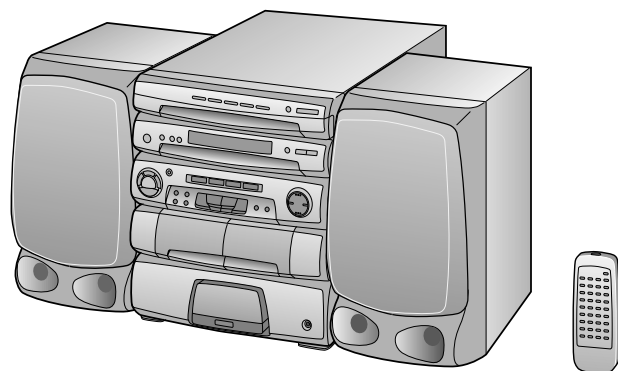


SHARP SERVICE MANUAL

No. S8644CMSR600X



CMS-R600X(BK) CMS-R600XT(BK)

Illustration: CMS-R600X(BK)



- 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.

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

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DIFFERENCE BETWEEN CMS-R600X(BK) AND CMS-R600XT(BK)

| | CMS-R600X(BK) | CMS-R600XT(BK) |
|--------------|------------------------------------|-----------------|
| POWER SOURCE | AC 110/127/220/230-240 V, 50/60 Hz | AC 220 V, 50 Hz |
| SPEAKER | ○ | × |
| SRS | ○ | × |

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

SPECIFICATIONS

● **General**

Power source: AC 110/127/220/230-240 V, 50/60 Hz
Power source: AC 220 V, 50 Hz
Power consumption: 170 W
Dimensions: Width; 360 mm (14-3/16")
 Height; 390 mm (15-3/8")
 Depth; 379 mm (14-15/16")
Weight: 7.3 kg (16.1 lbs.)

● **Amplifier section**

Output power: PMPO; 300 W (total)
 MPO; 84 W (42 W + 42 W)
 (10 % T.H.D.)
 RMS; 50 W (25 W +25 W)
 (10 % T.H.D.)
Input terminals: VIDEO/AUX; 245 mV/47 kohms
Output terminals: Speakers; 8 ohms
 Headphones; 8 - 50 ohms
 (recommended; 32 ohms)

● **Tuner section**

Frequency range: FM; 88 - 108 MHz
 AM; 531 - 1,620 kHz

● **Cassette deck section**

Frequency response: 50 - 14,000 Hz (Normal tape)
Motor: DC motor with electronic governor x 1
Signal/noise ratio: 55 dB (TAPE 1, playback)
 50 dB (TAPE 2, recording/playback)
Wow and flutter: 0.15 % (WRMS)
Bias and erasure system: AC
Tape speed: 4.76 cm/sec. (1-7/8 ips.)
Heads: TAPE-1; Playback x 1
 TAPE-2; Record/Playback x 1
 Erase x 1

● **Compact disc player section**

Type: 5-disc multi-play compact disc player
Signal readout: Non-contact; semiconductor laser
Rotational speed: 200 - 500 rpm CLV, Approx.
Error correction: CIRC (Cross Interleave Reed-Solomon Code)
Quantization: 16-bit linear
Filter: 4-times oversampling digital filter
D/A Converter: 1-bit D/A converter
Frequency response: 20 - 20,000 Hz
Dynamic range: 90 dB (1 kHz)
Wow and flutter: Unmeasurable
 (less than 0.001% W. peak)

● **Speaker system (CMS-R600X ONLY)**

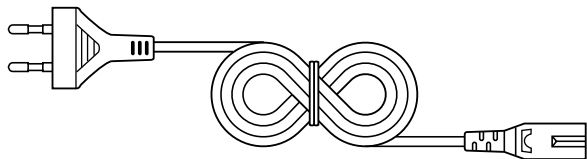
Type: 3-way type [13 cm (5-1/8") woofer, 5 cm (2") tweeter and super tweeter]
Maximum input power: 50 W
Rated power: 25 W
Impedance: 8 ohms
Dimensions: Width; 215 mm (8-1/2")
 Height; 390 mm (15-3/8")
 Depth; 195 mm (7-11/16")
Weight: 3.4 kg (7.5 lbs.)/each

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

VOLTAGE SELECTION

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

QACCE0005AW00



92LPLUG155A



92LPLUG027



92LC0RD577B

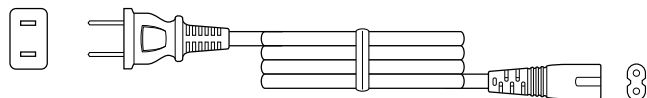
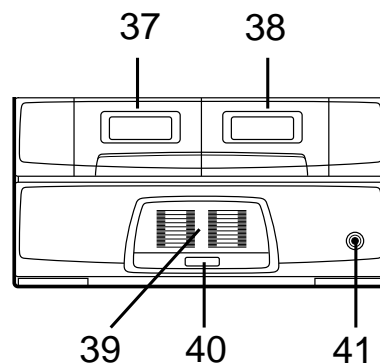
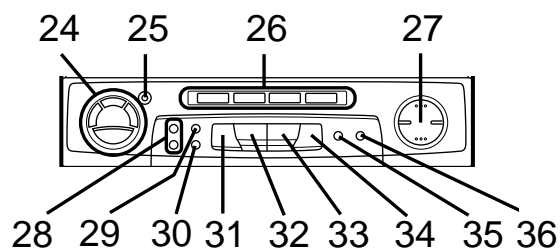
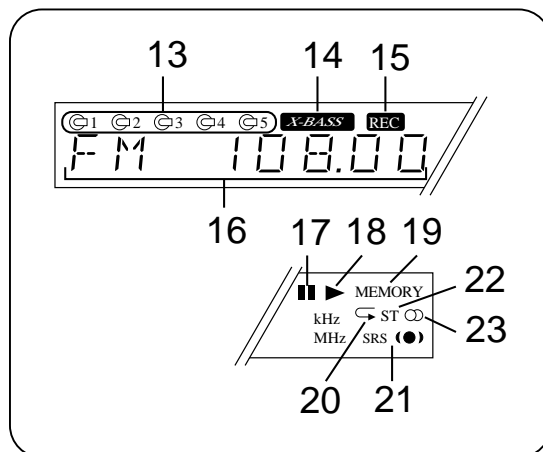
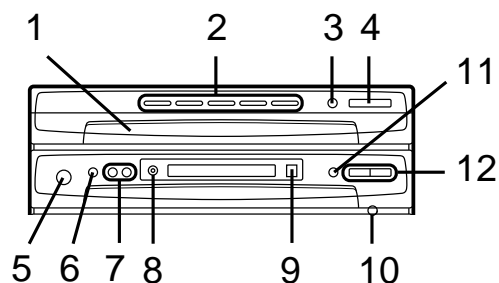


Figure 2 AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

NAMES OF PARTS

■ Front panel

1. Disc Tray
2. Disc Number Select Buttons
3. Disc Skip Button
4. Open/Close Button: ▲
5. Power Switch
6. (TUNER) Memory Button
7. Tuning Up/Down Buttons: √/∧
8. Timer Indicator
9. Remote Control Sensor
10. Reset Button
11. Band Selector Button
12. Preset and Time Up/Down Buttons: √/∧
13. Disc Number Indicator
14. Extra Bass Indicator: X-BASS
15. Record Indicator: REC
16. Function/CD Track/CD Counter/Frequency/
Preset Channel/Volume Indicator
17. CD Pause Indicator: ■■
18. CD Play Indicator: ►
19. Memory Indicator
20. CD Repeat Indicator: ↶
21. SRS Indicator (CMS-R600X ONLY)
22. FM Stereo Mode Indicator: ST
23. FM Stereo Indicator: ⊙
24. Equalizer Mode Buttons
25. Extra Bass Button: X-BASS
26. Function Selector Buttons
27. Volume Up/Down Buttons: √/∧
28. Editing Speed Selector Buttons
29. CD Pause Button
30. Record Pause Button
31. (CD/TAPE) Stop Button: ■
32. (CD) Track Down/Review Button: ◀◀/|◀◀
(TAPE) Rewind Button: ◀◀
33. (CD) Track Up/Cue Button: ▶▶/▶▶|
(TAPE) Fast Forward Button: ▶▶
34. (CD) Play/Repeat Button: ▶↶
(TAPE) Play Button: ▶
35. Memory/Set Button
36. Clock/Timer Button
37. (TAPE 1) Cassette Compartment
38. (TAPE 2) Cassette Compartment
39. Level Meters
40. 3D Surround Mode Button (CMS-R600X ONLY)
41. Headphone Socket

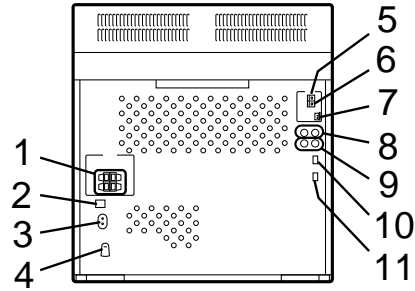


(Illustration: CMS-R600X)

CMS-R600X/R600XT

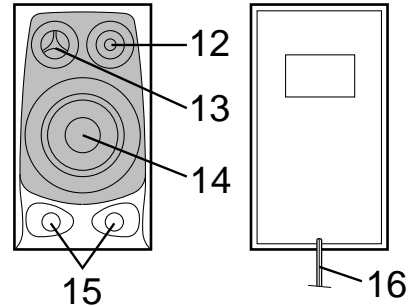
■ Rear panel

1. Speaker Terminals
2. Phono Power Supply Socket (DC 12V)
(CMS-R600X ONLY)
3. AC Power Input Socket
4. AC Voltage Selector (CMS-R600X ONLY)
5. FM 75 ohms Aerial Terminal
6. Aerial Earth Terminal
7. AM Loop Aerial Socket
8. Phono Input Sockets (CMS-R600X ONLY)
9. Video (Audio Signal) / Auxiliary Input Sockets
10. Phono/Auxiliary/Video Input Selector Switch
(CMS-R600X ONLY)
11. Span Selector Switch (CMS-R600X ONLY)



■ Speaker Section

12. Tweeter
13. Super Tweeter
14. Woofer
15. Bass Reflex Ducts
16. Speaker Wire

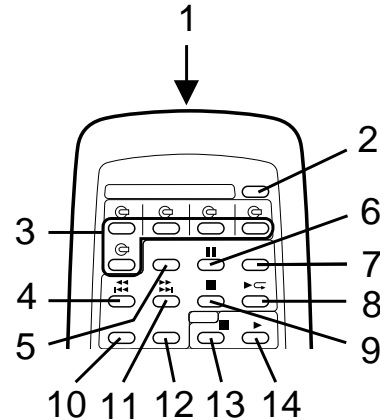


■ Remote Control

1. Remote Control Transmitter LED
2. 3D Surround Mode Button (CMS-R600X ONLY)

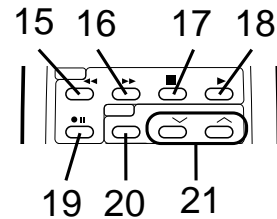
● CD control section

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



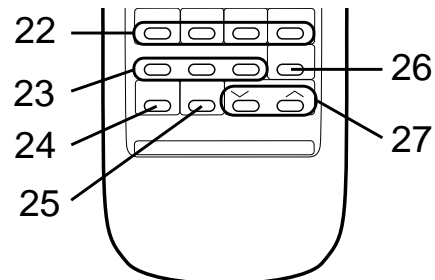
● Tape Control Section

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



● Tuner control section

20. Band Selector Button
21. Preset Up/Down Buttons: ∨/∧
22. Function Selector Buttons
23. Balance Control Buttons
24. Power Button
25. Extra Bass Button: X-BASS
26. Equalizer Mode Selector Button
27. Volume Up/Down Buttons: ∨/∧

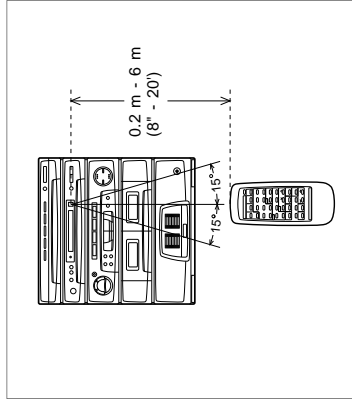


(Illustration: CMS-R600X)

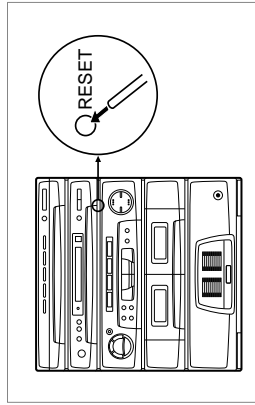
OPERATION MANUAL

PREPARATION FOR USE

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



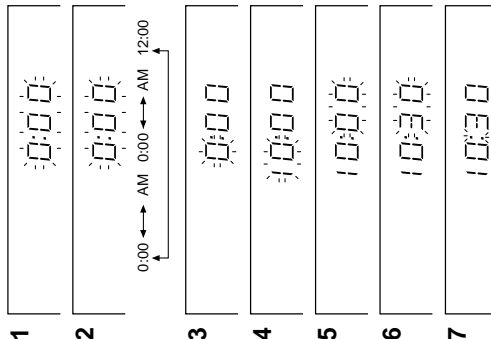
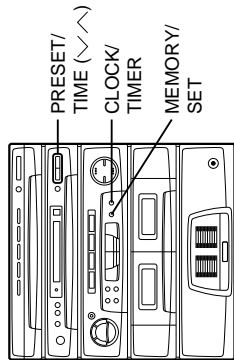
RESETTING THE MICROCOMPUTER



- Reset the microcomputer by performing the following procedure for the cases shown below:**
- To erase all of the stored memory contents, or
 - If the display does not function properly, or
 - The unit does not operate properly.
- 1 Set the POWER switch to STAND-BY.
 - 2 Disconnect the AC power lead from the AC socket.
 - 3 Press the RESET button for at least 3 seconds.

SETTING THE CLOCK

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



- 1 Setting method when the POWER switch is in the STAND-BY position.
 - Press the MEMORY/SET button.
 - When the power is ON, press the CLOCK/TIMER button. Then, within 5 seconds, press the MEMORY/SET button.
 - 2 Press the PRESET/TIME (V or ^) button to select the time display.
 - "0:00" → The 24-hour display will appear. (0:00 - 23:59)
 - "AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)
 - "AM 12:00" → The 12-hour display will appear. (AM 12:00 - PM 11:59)
 - 3 Press the MEMORY/SET button.
 - 4 Press the PRESET/TIME (V or ^) button to adjust the hour. Press the PRESET/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".
 - 5 Press the MEMORY/SET button.
 - 6 Press the PRESET/TIME (V or ^) button to adjust the minutes. Press the button for at least 0.5 seconds to advance continuously.
 - The hour setting will not advance even if minutes advance from "59" to "00".
 - 7 Press the MEMORY/SET button.
 - The clock starts operating from "0" seconds. (Seconds are not displayed.)

Note:

- In the event of a power failure or when the AC power lead is disconnected, the clock display will go out. When the AC power supply is resumed, the clock display will flash on and off to indicate that the time must be reset. If this happens, follow steps 1 and 4 - 7 in the procedure described above.

To change the clock time:

- 1 Whilst the clock is displayed, press the MEMORY/SET button.
 - When the power is ON, press the CLOCK/TIMER button. Then, within 5 seconds, press the MEMORY/SET button.
- 2 Perform steps 4 - 7 above.

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

- Press the CLOCK/TIMER button.
- The time display will appear for about 5 seconds.

To switch the time display mode:

- 1 Set the POWER switch to STAND-BY.
- 2 Whilst holding down the CLOCK/TIMER button, press the POWER switch twice.
- 3 Perform steps 1 - 7 above.

DISASSEMBLY

Caution on Disassembly

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

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

MAIN UNIT

| STEP | REMOVAL | PROCEDURE | FIGURE |
|------|-------------------------------|---|------------|
| 1 | Top Cabinet | 1. Screw (A1) x4 | 6-1 |
| 2 | Side Panel (Left/Right) | 1. Screw (B1) x6 | 6-1 |
| 3 | CD Player Unit/ CD Tray Cover | 1. Turn on the power supply, . open the disc tray, take out the CD cover, and close. (Note 1) 2. Hook (C1) x2 3. Screw (C2) x5 4. Flat Wire (C3) x1 5. Socket (C4) x2 | 6-2 6-3 |
| 4 | Back Board | 1. Screw (D1) x8 | 6-2 |
| 5 | Front Panel | 1. Screw (E1) x3 2. Socket (E2) x4 3. Flat Cable (E3) x3 | 6-3 |
| 6 | Main PWB/ SRS PWB | 1. Screw (F1) x3 2. Socket (F2) x1 3. Flat Wire (F3) x1 | 6-3 |
| 7 | Power PWB | 1. Screw (G1) x5 | 6-3 |
| 8 | Tape Mechanism | 1. Open the cassette holder. 2. Flat Wire (H1) x1 3. Screw (H2) x6 | 7-1 |
| 9 | Switch PWB | 1. Screw (J1) x4 | 7-1 |
| 10 | Display PWB | 1. Screw (K1) x9 | 7-1 |
| 11 | Headphones PWB | 1. Screw (L1) x1 | 7-1 |
| 12 | Level Meter PWB | 1. Screw (M1) x2 | 7-2 |
| 13 | Switch PWB | 1. Screw (P1) x2 | 7-2 |
| 14 | Turntable | 1. Screw (Q1) x2 2. Cover (Q2) x1 | 7-3 |
| 15 | CD Tray | 1. Screw (R1) x4 2. Guide (R2) x2 | 7-3 |
| 16 | CD Servo PWB | 1. Screw (S1) x2 | 7-4 |
| 17 | Sensor PWB | 1. Screw (T1) x1 2. Hook (T2) x2 | 7-4 |
| 18 | CD Mechanism | 1. Screw (U1) x2 | 7-5 |

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

SPEAKER BOX [CMS-R600X ONLY]

| STEP | REMOVAL | PROCEDURE | FIGURE |
|------|---------|--|------------|
| 1 | Speaker | 1. Front Panel (A1) x1 2. Screw (A2) x4 3. Screw (A3) x2 | 7-6 7-7 |

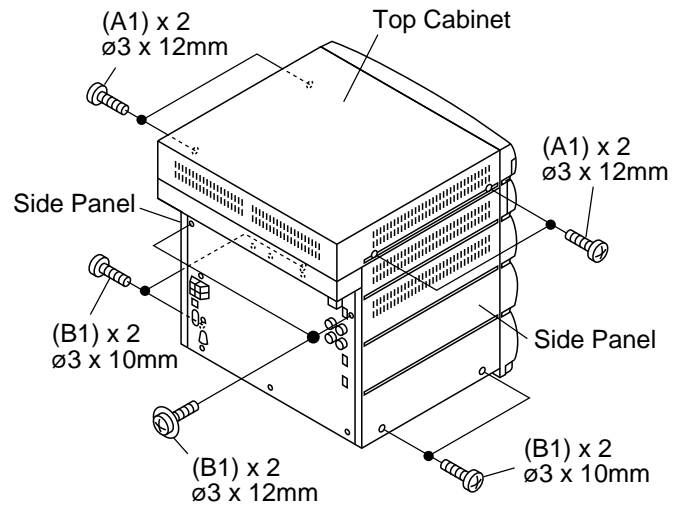


Figure 6-1

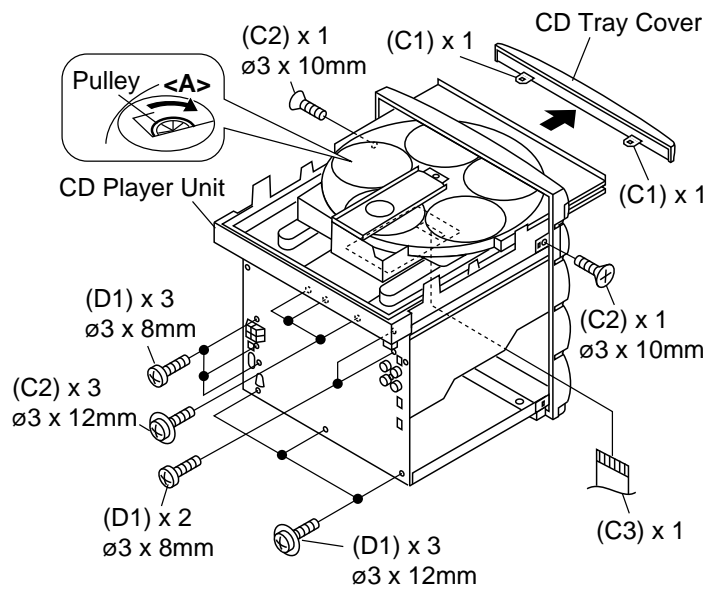


Figure 6-2

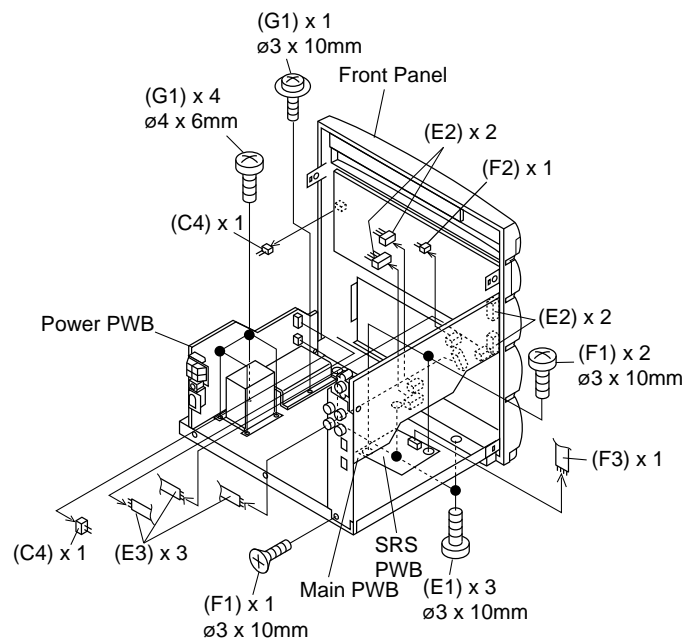


Figure 6-3

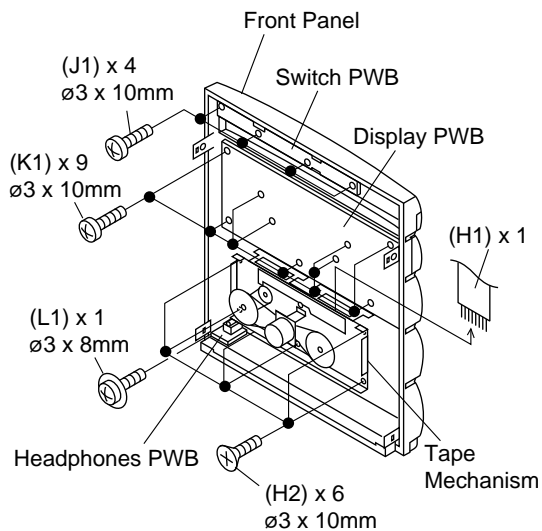


Figure 7-1

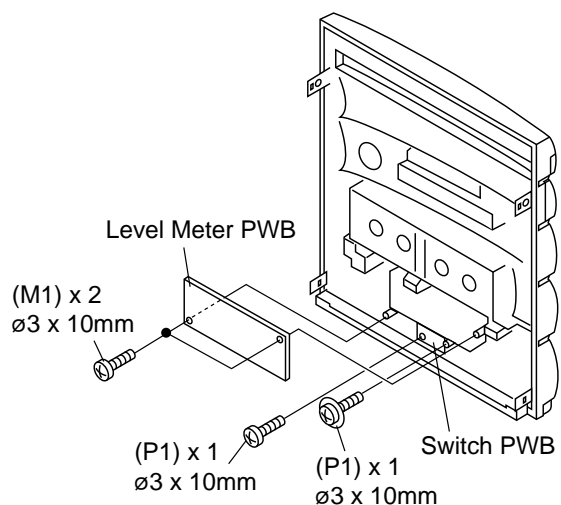


Figure 7-2

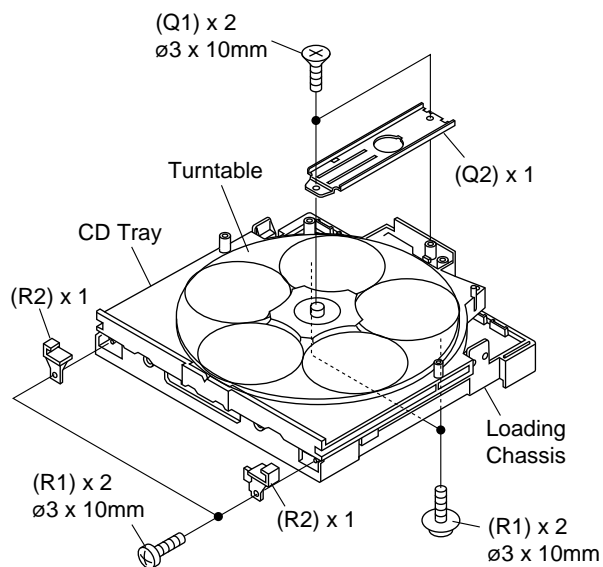


Figure 7-3

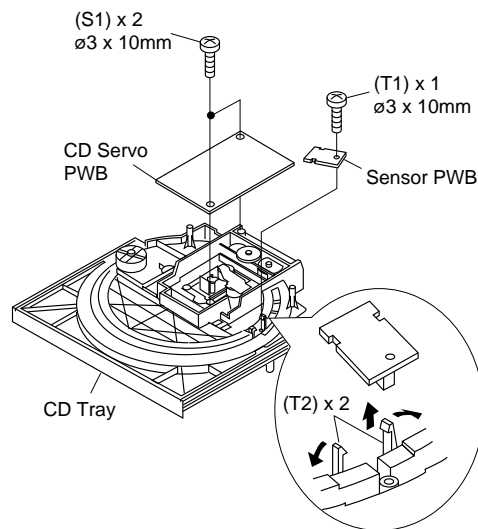


Figure 7-4

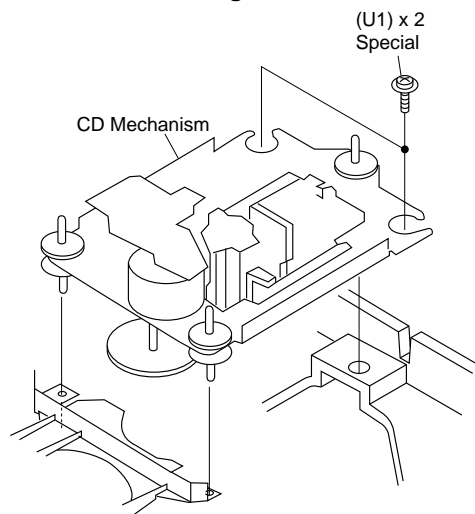


Figure 7-5

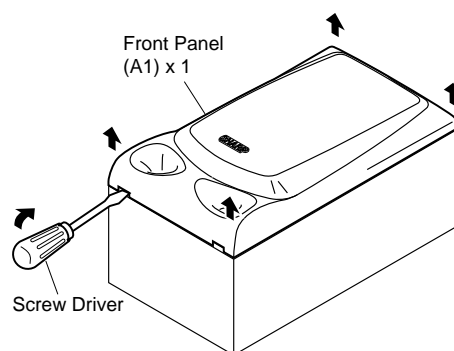


Figure 7-6

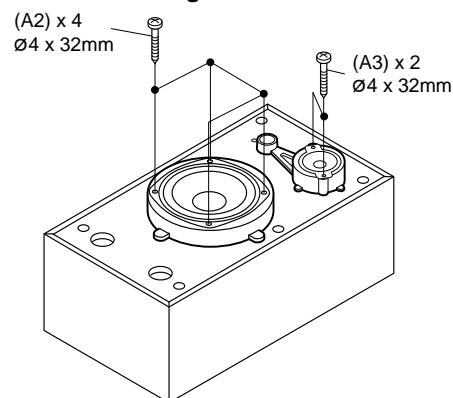


Figure 7-7

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1, 2, 3, 4, 5 and 8 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (TAPE 2) (See Fig. 8-1.)

1. Carefully bend the record/playback head pawls (A1) x 2 pcs., in the direction of the arrow <A>, and remove the record/playback head upwards.
2. Carefully bend the three pawls (B1) x 3 pcs., in the arrow direction , and remove the erase head upward.

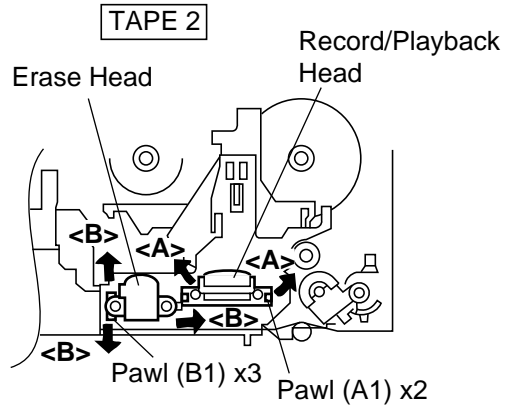


Figure 8-1

How to remove the playback head (TAPE 1) (See Fig. 8-2.)

1. Carefully bend the playback head pawls (C1) x 2 pcs., in the direction of the arrow <C>, and remove the playback head upwards.

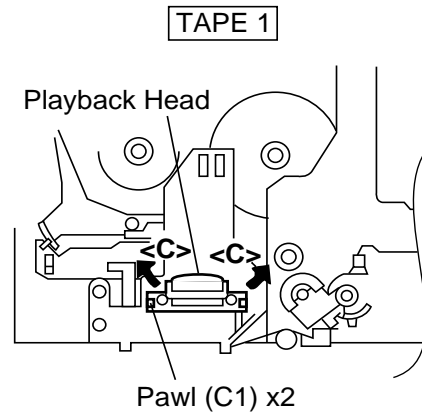


Figure 8-2

How to remove the pinch roller (TAPE 1/2) (See Fig. 8-3.)

1. Carefully bend the pinch roller pawl in the direction of the arrow <D>, and remove the pinch roller (D1) upwards.

Note:

When installing the pinch roller, pay attention to the spring mounting method.

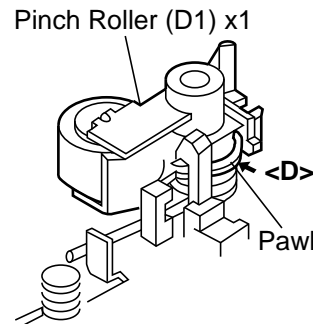


Figure 8-3

How to remove the belt (TAPE 1) (See Fig. 8-4.)

1. Remove the main belt (E1) x 1 pc., from the motor side.

How to remove the belt (TAPE 2) (See Fig. 8-4.)

1. Remove the tape 1 main belt (E1) x 1pc., from the motor side.
2. Remove the tape 2 main belt (F1) x 1pc., from the motor side.
3. Remove the FF/REW belt (F2) x 1 pc.

How to remove the motor (See Figs. 8-4 and 8-5.)

1. Remove the belt.
2. Remove the screws (G1) x 2 pcs., to remove the motor fixture.
3. Remove the screws (G2) x 2 pcs., to remove the motor.

Note:

When mounting the motor, pay attention to the motor mounting angle.

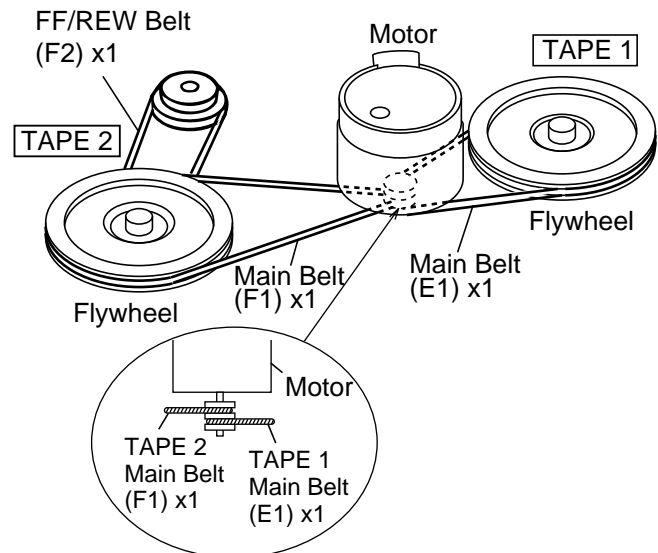


Figure 8-4

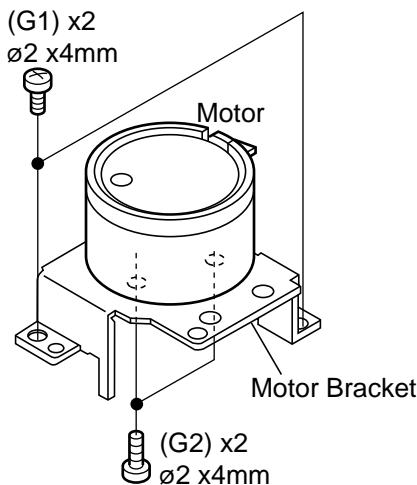


Figure 8-5

CD MECHANISM SECTION

Perform steps 1, 2, 3, 14, 15 and 16 of the disassembly method to remove the CD mechanism.

How to remove the loading motor

(See Fig. 9-1)

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

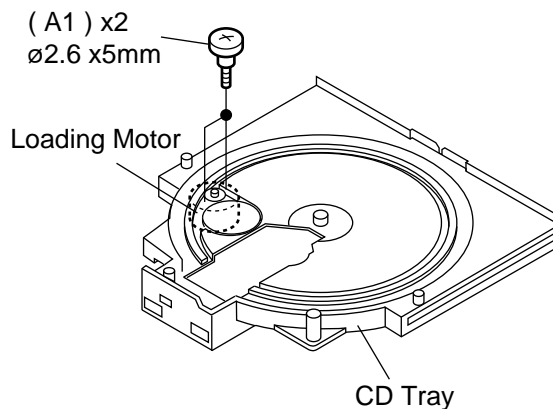


Figure 9-1

How to remove the turntable up/down motor

(See Fig. 9-2)

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

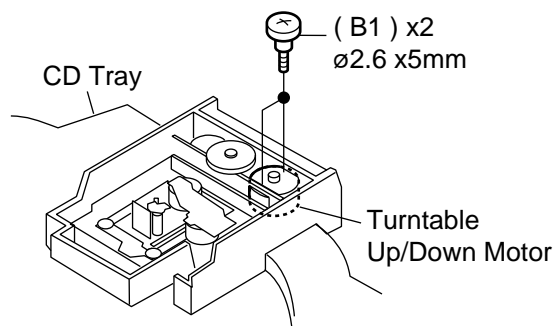


Figure 9-2

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

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

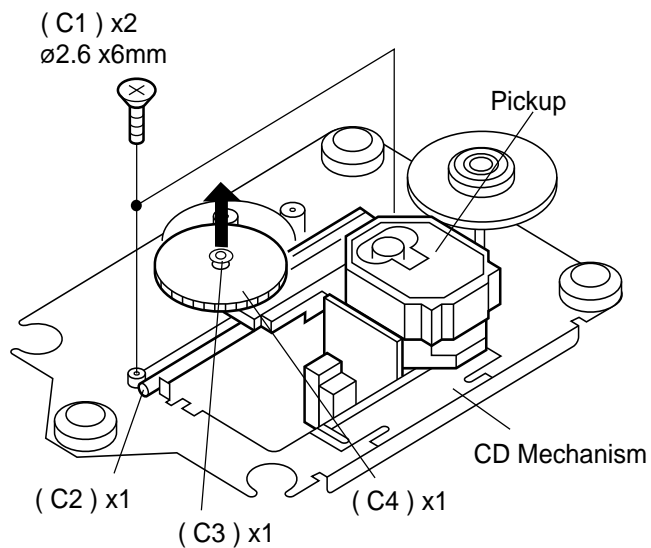


Figure 9-3

ADJUSTMENT

TAPE MECHANISM SECTION

• Driving Force Check

| Torque Meter | Specified Value |
|---------------|---|
| Play: TW-2412 | Tape 1: Over 50 g Tape 2: Over 100 g |

• Torque Check

| Torque Meter | Specified Value | |
|-----------------------|-----------------|----------------|
| | Tape 1 | Tape 2 |
| Play: TW-2111 | 30 to 60 g.cm | 30 to 60 g.cm |
| Fast forward: TW-2231 | — | 80 to 135 g.cm |
| Rewind: TW-2231 | — | 80 to 135 g.cm |

• Tape Speed

| | Test Tape | Adjusting Point | Specified Value | Instrument Connection |
|--------------|-----------|-----------------|-----------------|--|
| Normal speed | MTT-111 | VRM1 | 3,000 ± 30 Hz | Speaker terminal (Load resistance: 8 ohms) |

TUNER SECTION

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

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---------------|-----------|-------------------|-----------------------------|-----------------------|
| IF | 450 kHz | 1,720 kHz | T351 | *1 |
| Band Coverage | — | 530 kHz | (fL): T333 3.4 V ± 0.1 V | *2 |
| Tracking | 990 kHz | 990 kHz | (fL): T331 | *1 |

*1. Input: Antenna, Output: TP302

*2. Input: Antenna, Output: TP301

• FM RF

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

| Test Stage | Frequency | Frequency Display | Serring/ Adjusting Point | Instrument Connection |
|---------------|-------------------------|-------------------|-----------------------------|-----------------------|
| Band Coverage | — | 87.50 MHz | L303(fL): 1.85 V ± 50 mV | *1 |
| RF | 98.00 MHz (10-30 dB) | 98.00 MHz | L302 | *2 |

*1. Input: Antenna, Output: TP301

*2. Input: Antenna, Output: Speaker terminal

• Detection

Signal generator: 10.7 MHz, FM sweep generator

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

• FM Mute Level

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

*1 Adjust so that an output signal appears.

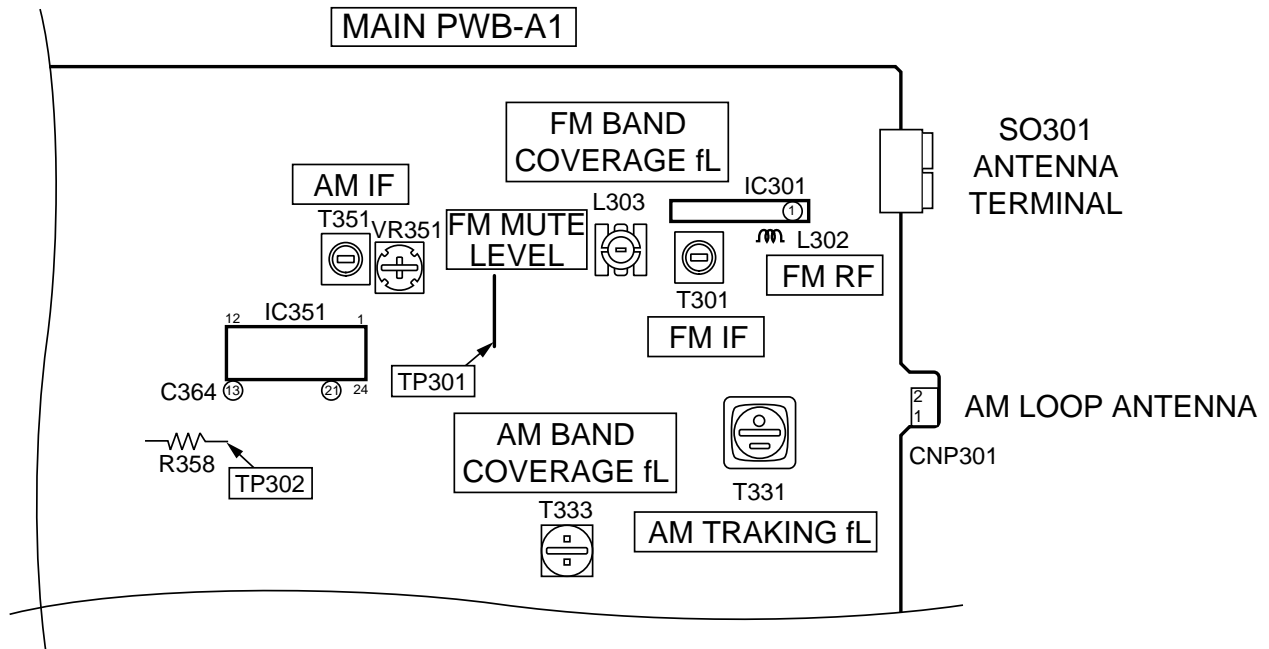
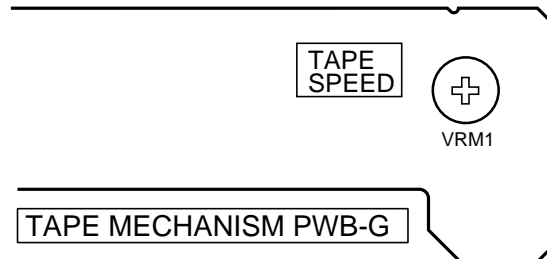


Figure 10 ADJUSTMENT POINTS

CD SECTION

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

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

• Automatic adjustment item

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

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

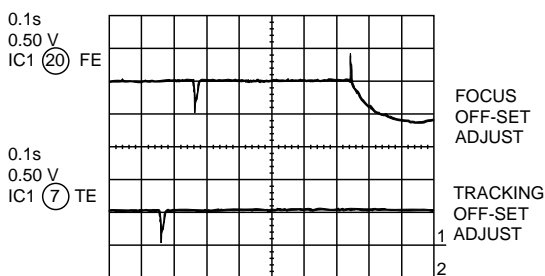


Figure 11-1

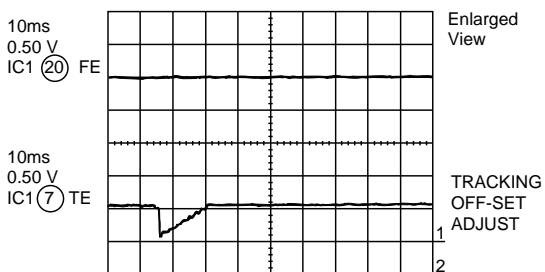


Figure 11-2

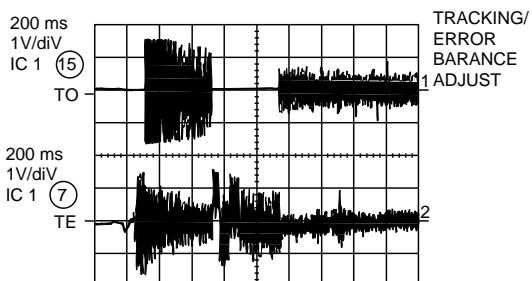


Figure 11-3

CD TEST MODE

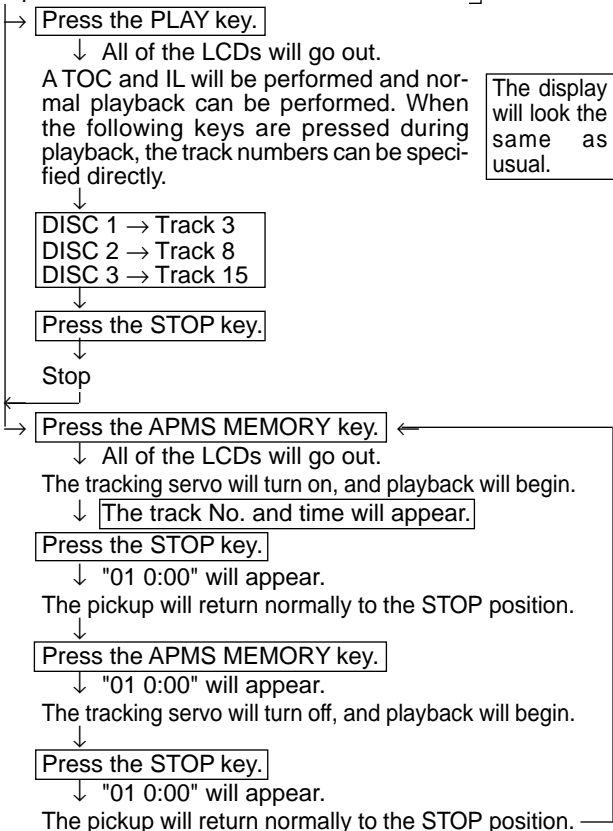
When the CD, STOP and POWER keys are pressed at the same time, to turn on the power, the unit will enter the test mode.

"VOL" will appear. After "CD" has appeared, all of the LCDs will light up.

Initialization (IL) is not performed.

The OPEN/CLOSE operation can be performed manually.

It is OK if the display does not change. Use of the ►► or ◀◀ key allows you to slide the pickup.



The display will look the same as usual.

Cancel method: POWER OFF

LCD display: After the PLAY or APMS MEMORY key has been pressed, the track No. and time only will appear (valid). The other items are optional.

Note: The pickup can be slid using the ►► or ◀◀ key only while in the stop mode.

INITIALIZING THE CD CHANGER MECHANISM

When the CD, DOWN and POWER keys are pressed at the same time to turn on the power, the CD changer mechanism will be initialized.

- The entire CD APMS memory will be cleared.
- The FUNCTION button can be used to start the CD. The other initializations are the same as usual.
- The CD changer mechanism will be initialized. DISC 1 will be chucked, initialized, and stopped.
- "INITIAL" will flash on the LCD. After initialization, the LCD will return from the display of DISC 1 being initialized to the normal display.

ALL CLEAR AND RE-START FUNCTION

When the CLEAR and POWER keys are pressed to turn on the power, the entire internal memory will be cleared and the mechanism will run from address 0.

All of the tuner presets, APMS, TOC and disc numbers which were last stored in memory will be cleared, and the tuner, changer mechanism and all of the other items will be initialized.

NOTES ON SCHEMATIC DIAGRAM

- Resistor:
To differentiate the units of resistors, the 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 an ohm resistor. The resistor designated "Fusible" is a fuse type resistor.
- 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 |
|---------|-------------------------------------|----------------------|
| SW2 | DISC UP | ON—OFF |
| SW4 | PICKUP IN | ON—OFF |
| SW291 | SPAN SELECTOR [CMS-R600X ONLY] | 100/10— 50/9 |
| SW421 | PHONO/VIDEO/AUX [CMS-R600X ONLY] | PHONO— VIDEO/AUX. |
| SW561 | 3D SURROUND | ON—OFF |
| SW702 | CD DISC1 | ON—OFF |
| SW703 | CD DISC2 | ON—OFF |
| SW704 | CD DISC3 | ON—OFF |
| SW705 | CD DISC4 | ON—OFF |
| SW706 | CD DISC5 | ON—OFF |
| SW707 | CD DISC SKIP | ON—OFF |
| SW708 | CD OPEN/CLOSE | ON—OFF |
| SW709 | FLAT | ON—OFF |
| SW710 | BGM | ON—OFF |
| SW711 | VOCAL | ON—OFF |
| SW712 | HEAVY | ON—OFF |
| SW713 | X-BASS | ON—OFF |
| SW714 | TUNING UP | ON—OFF |
| SW715 | MEMORY | ON—OFF |
| SW716 | POWER | ON—OFF |
| SW717 | FORWARD | ON—OFF |
| SW718 | PRESET UP/TIME UP | ON—OFF |
| SW719 | STOP | ON—OFF |

| REF. NO | DESCRIPTION | POSITION |
|---------|--------------------------------------|-------------------------|
| SW720 | REC PAUSE | ON—OFF |
| SW721 | CD PAUSE | ON—OFF |
| SW722 | TUNING DOWN | ON—OFF |
| SW723 | EDIT HIGH | ON—OFF |
| SW724 | EDIT NORMAL | ON—OFF |
| SW725 | REWIND | ON—OFF |
| SW726 | PRESET DOWN/TIME DOWN | ON—OFF |
| SW728 | VOLUME UP | ON—OFF |
| SW729 | CLEAR/TIMER | ON—OFF |
| SW730 | MEMORY/SET | ON—OFF |
| SW732 | PLAY/REPEAT | ON—OFF |
| SW734 | BAND | ON—OFF |
| SW735 | VOLUME DOWN | ON—OFF |
| SW736 | VIDEO/AUX | ON—OFF |
| SW737 | TAPE1↔2 | ON—OFF |
| SW738 | TUNER | ON—OFF |
| SW739 | CD | ON—OFF |
| SW740 | RESET | ON—OFF |
| SW801 | OPEN/CLOSE | ON—OFF |
| SW901 | VOLTAGE SELECTOR [CMS-R600X ONLY] | 110—127— 220—230-240 |
| SWM3 | FULL PROOF | ON—OFF |
| SWM4 | F.A.S. | ON—OFF |
| SWM5 | CAM | ON—OFF |

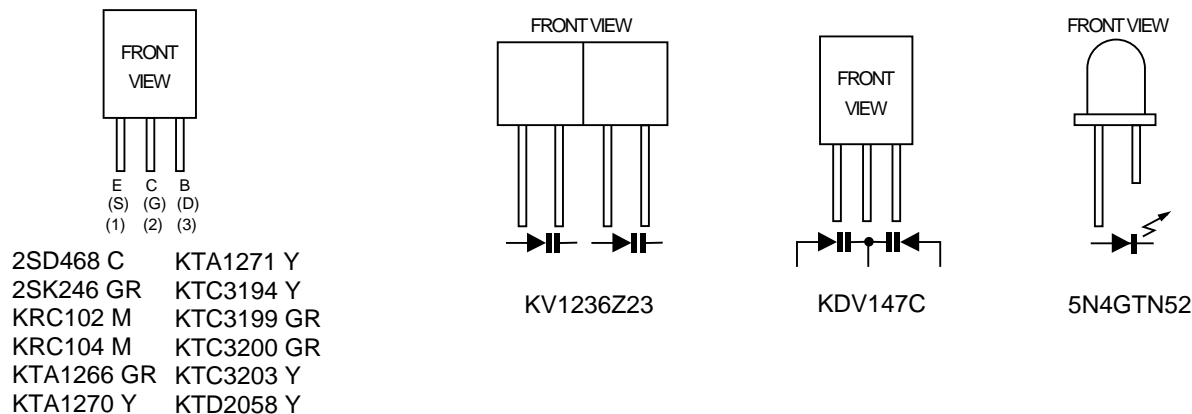


Figure 12 TYPES OF TRANSISTOR AND LED

IC51, IC52 : MOTOR DRIVER

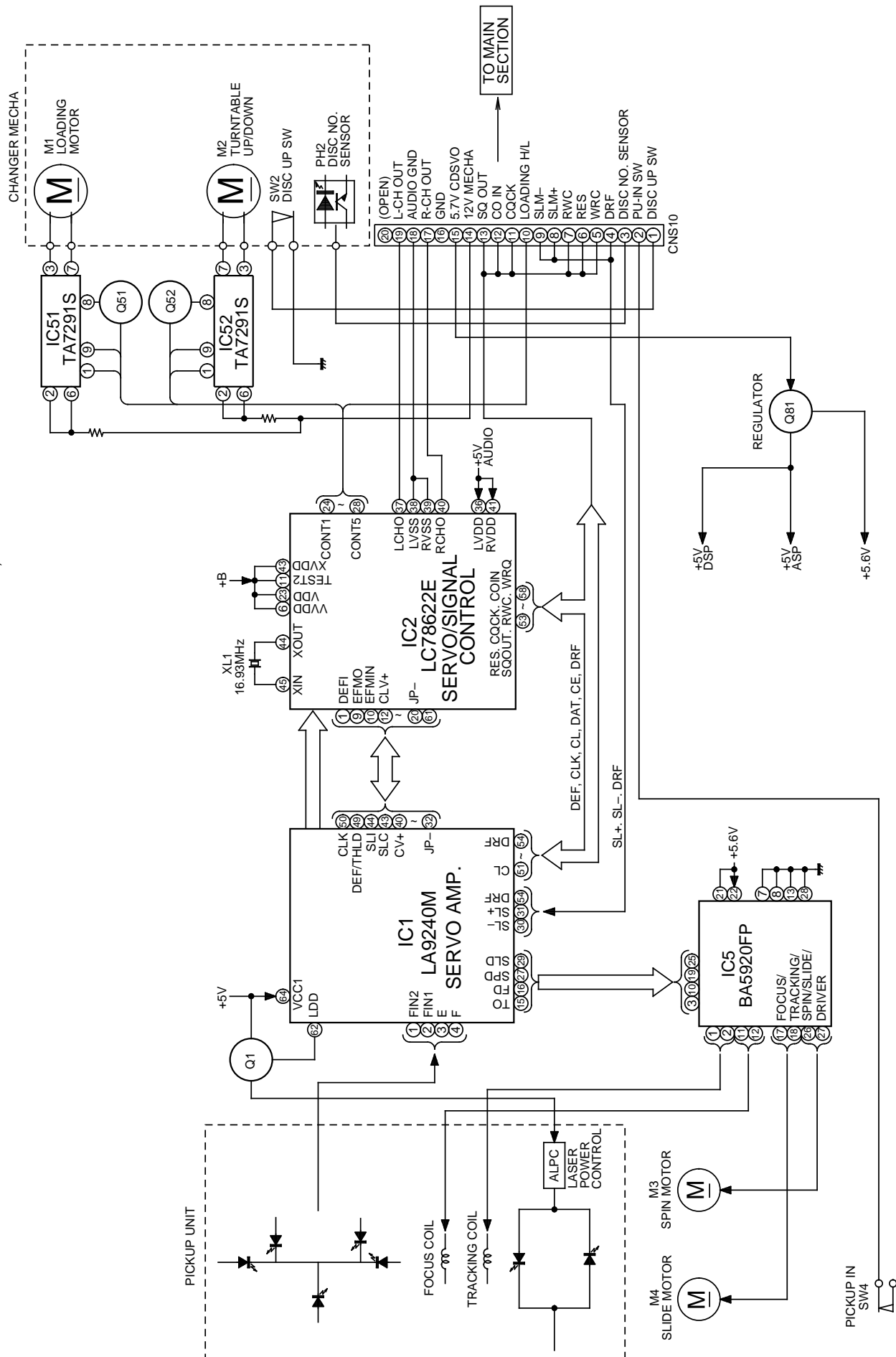


Figure 13 BLOCK DIAGRAM (1/3)

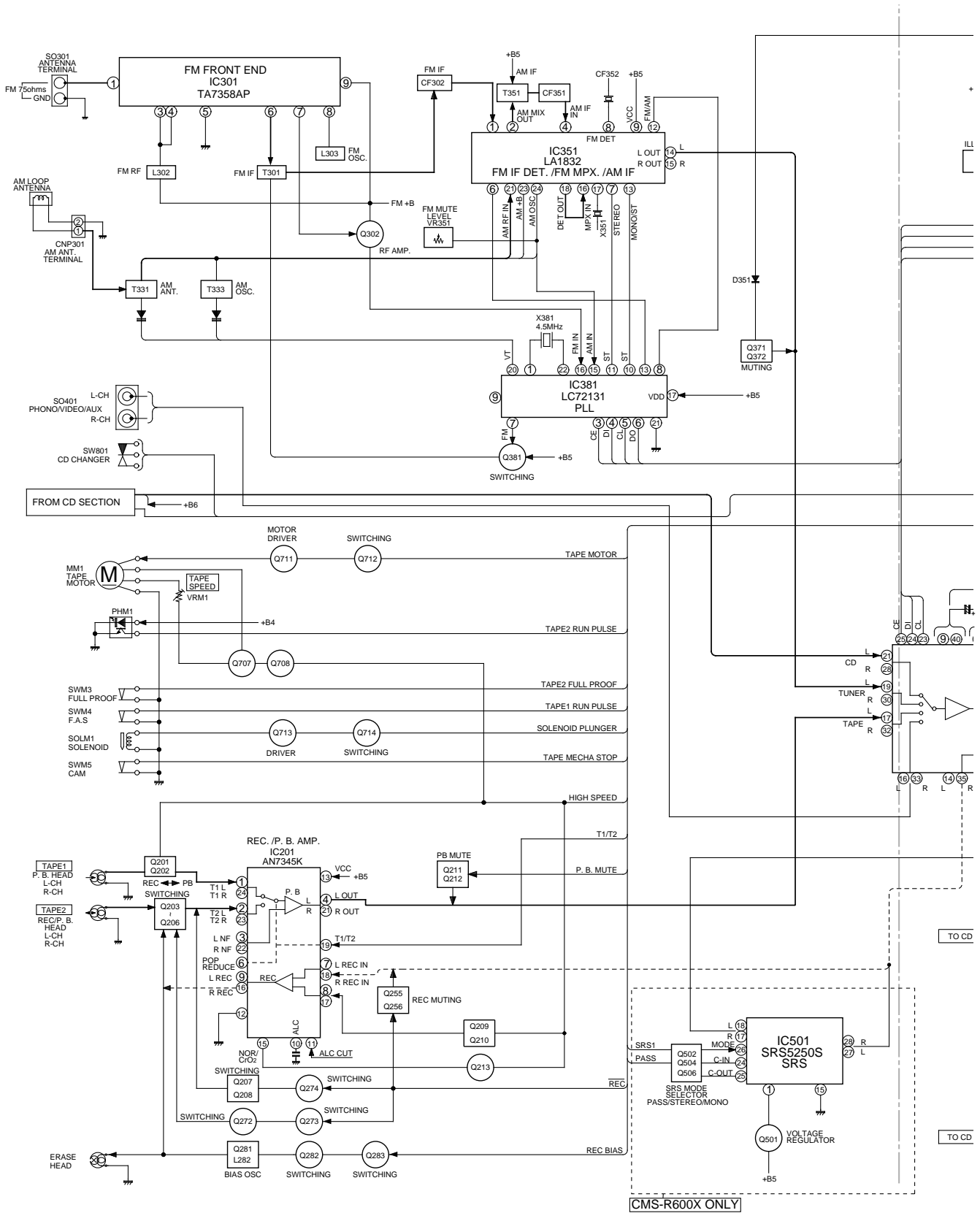


Figure 14 BLOCK DIAGRAM (2/3)

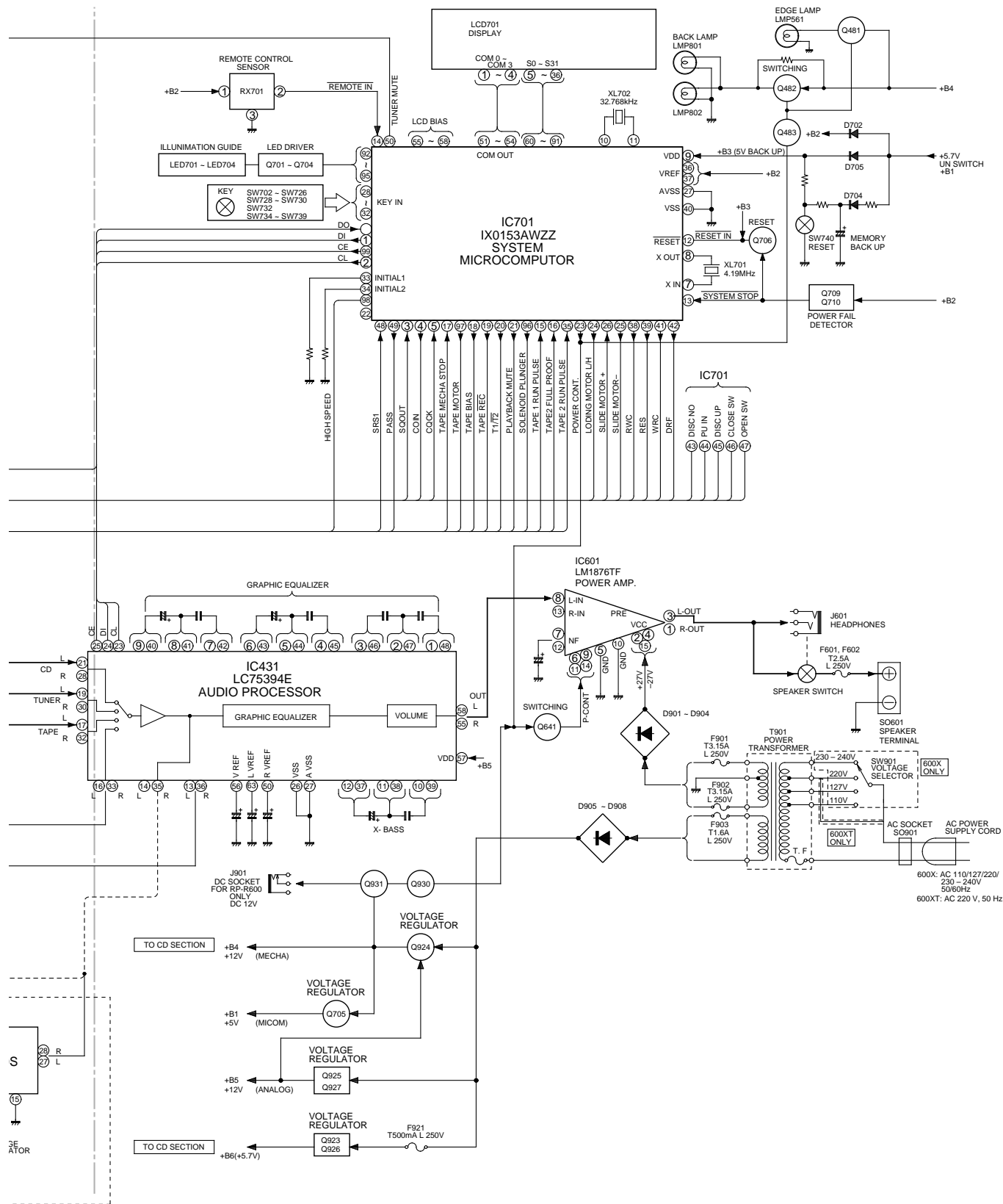


Figure 15 BLOCK DIAGRAM (3/3)

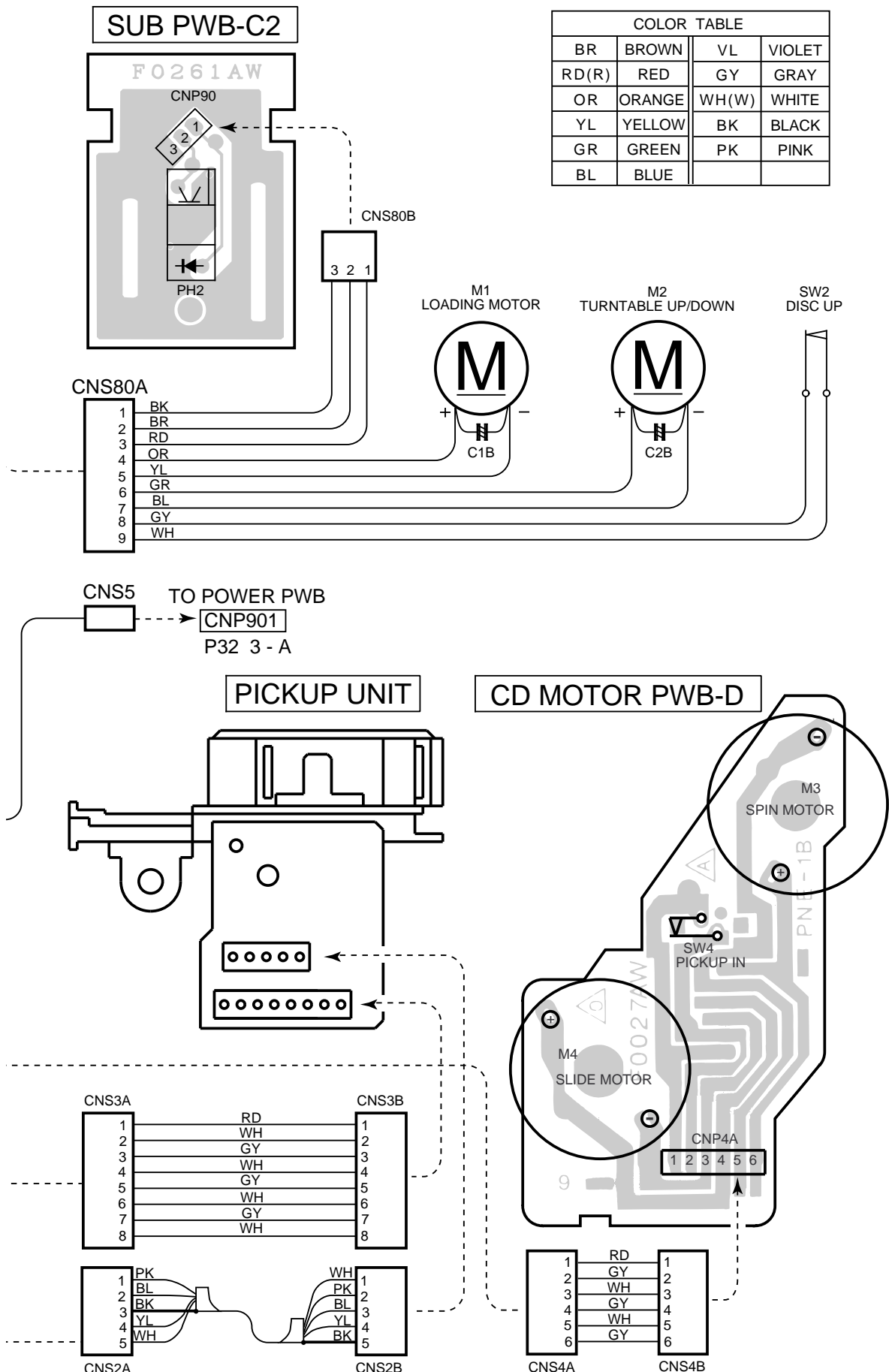
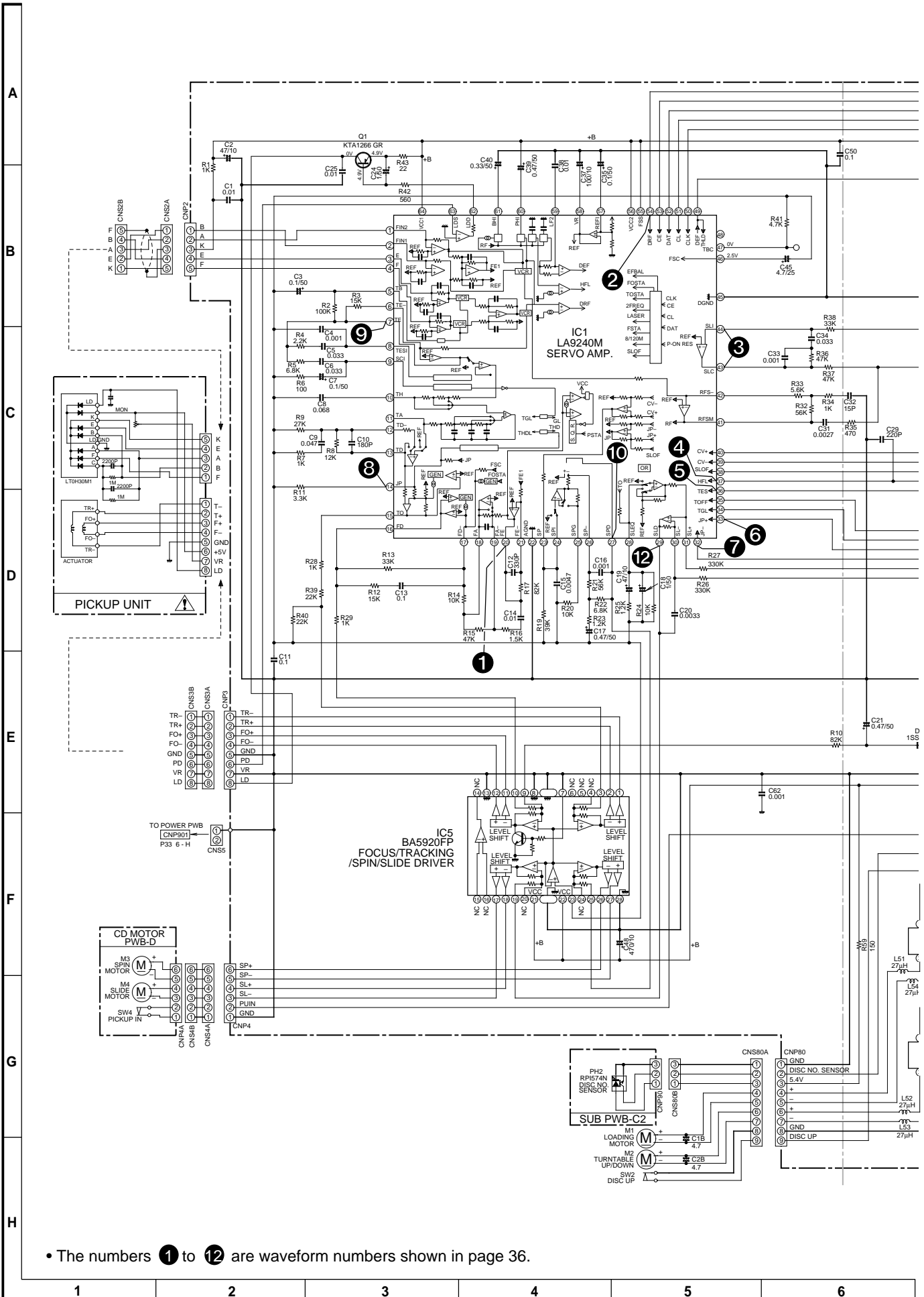
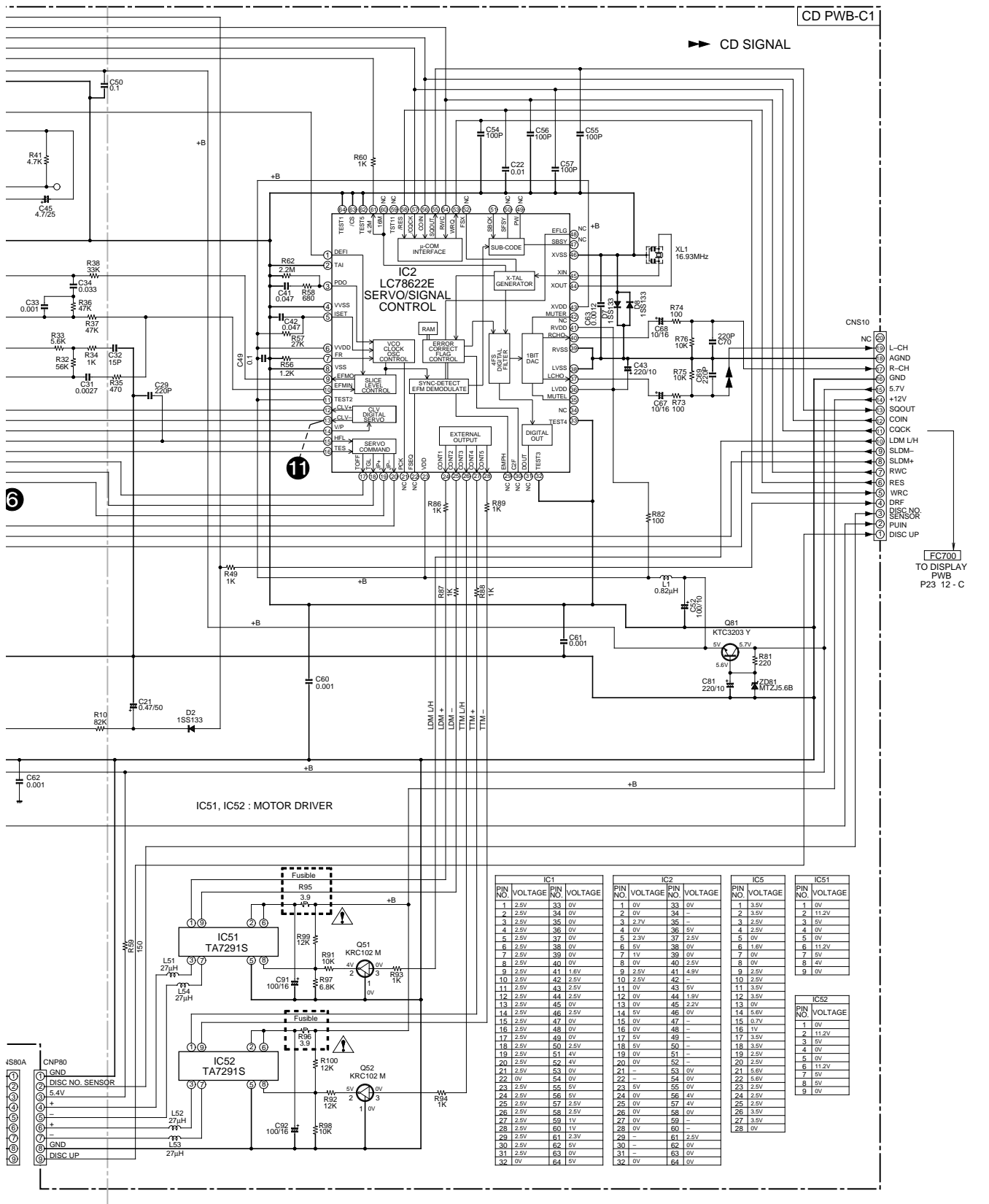


Figure 17 WIRING SIDE OF P.W.BOARD (2/7)



• The numbers ① to ⑫ are waveform numbers shown in page 36.

Figure 18 SCHEMATIC DIAGRAM (1/14)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

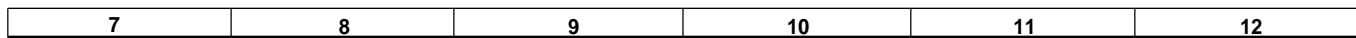


Figure 19 SCHEMATIC DIAGRAM (2/14)

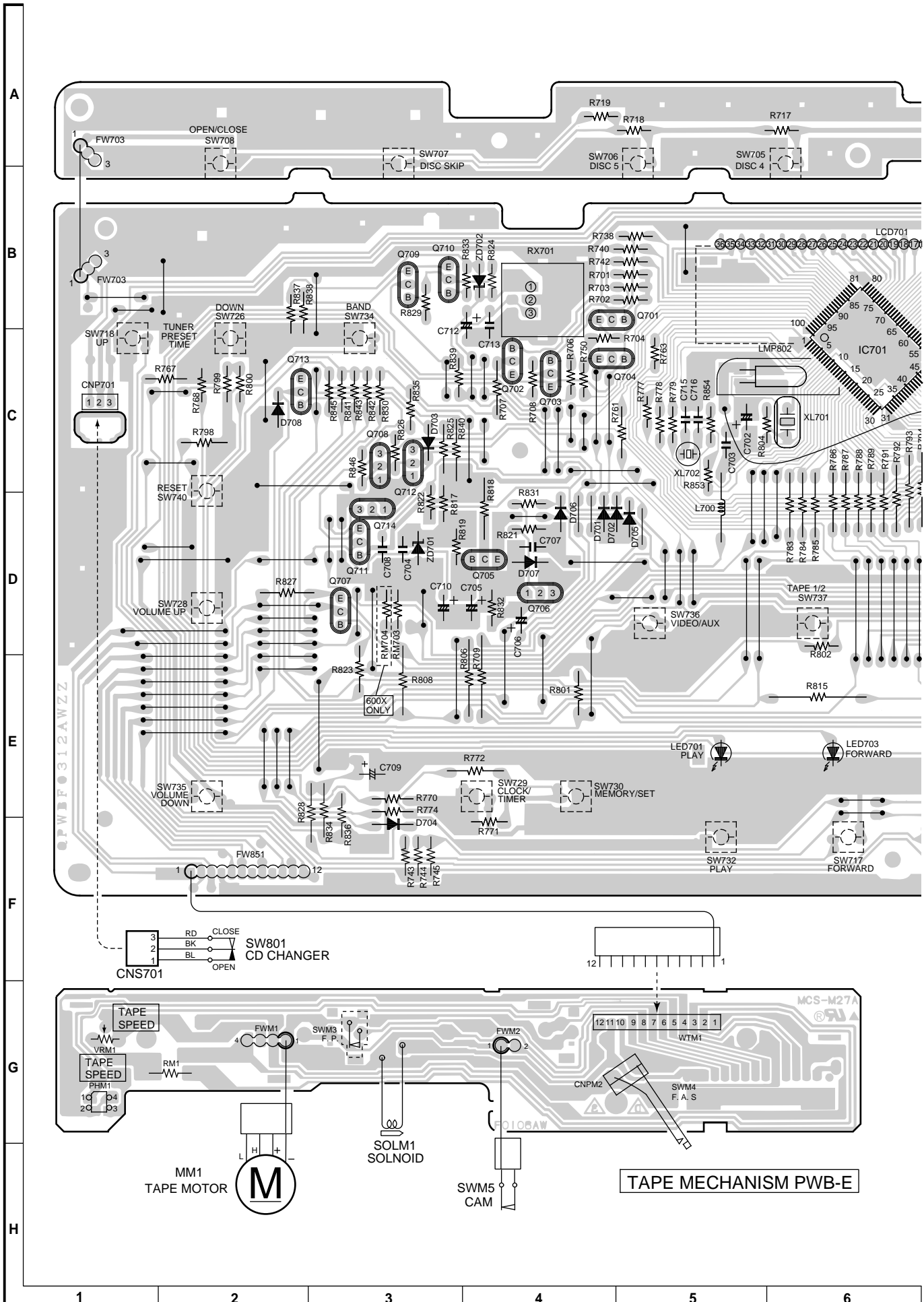
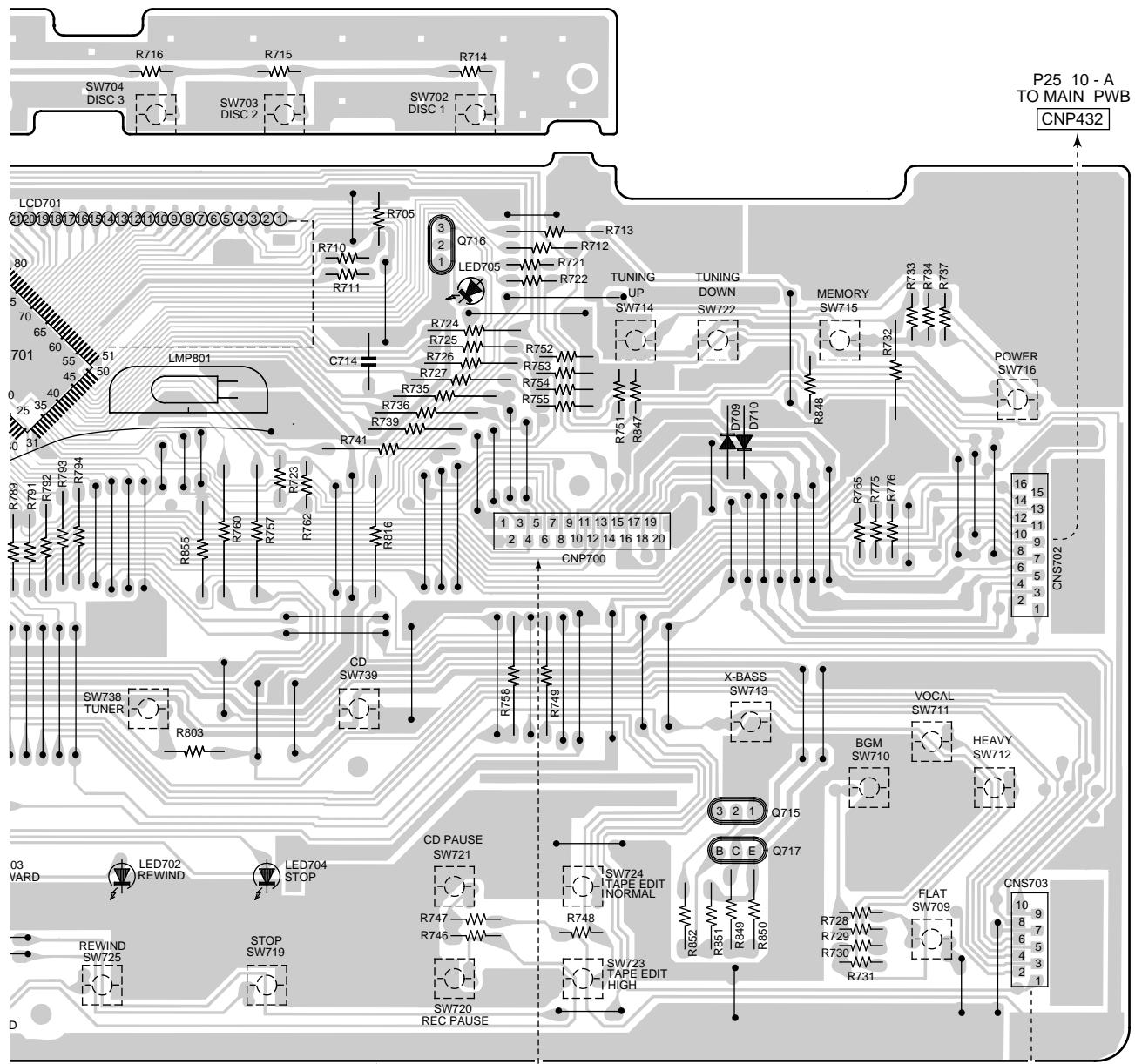


Figure 20 WIRING SIDE OF P.W.BOARD (3/7)

SWITCH PWB-B2



DISPLAY PWB-B1

| 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 |

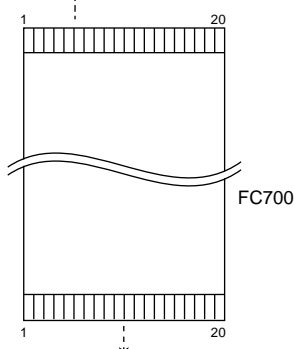
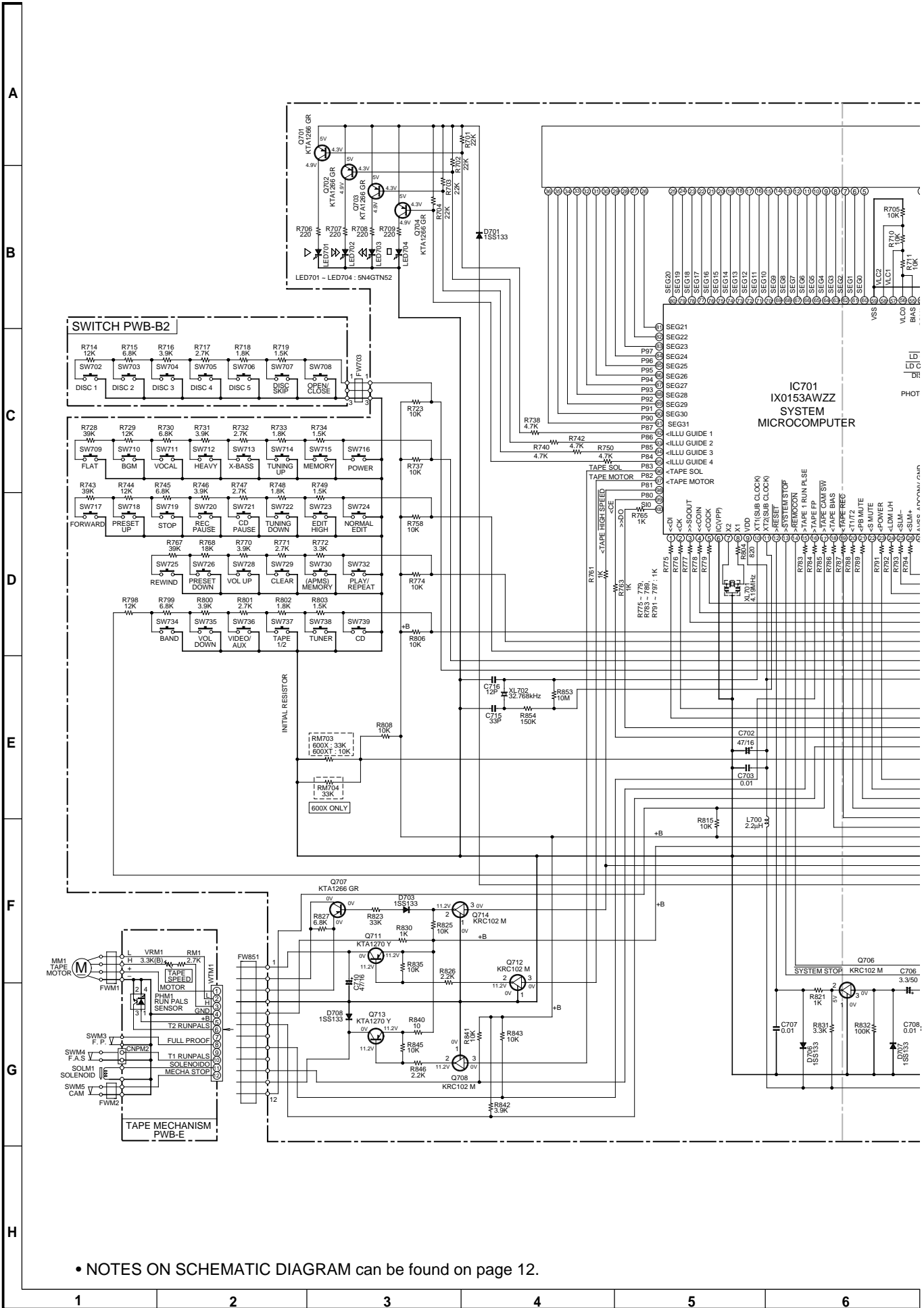


Figure 21 WIRING SIDE OF P.W.BOARD (4/7)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 22 SCHEMATIC DIAGRAM (3/14)

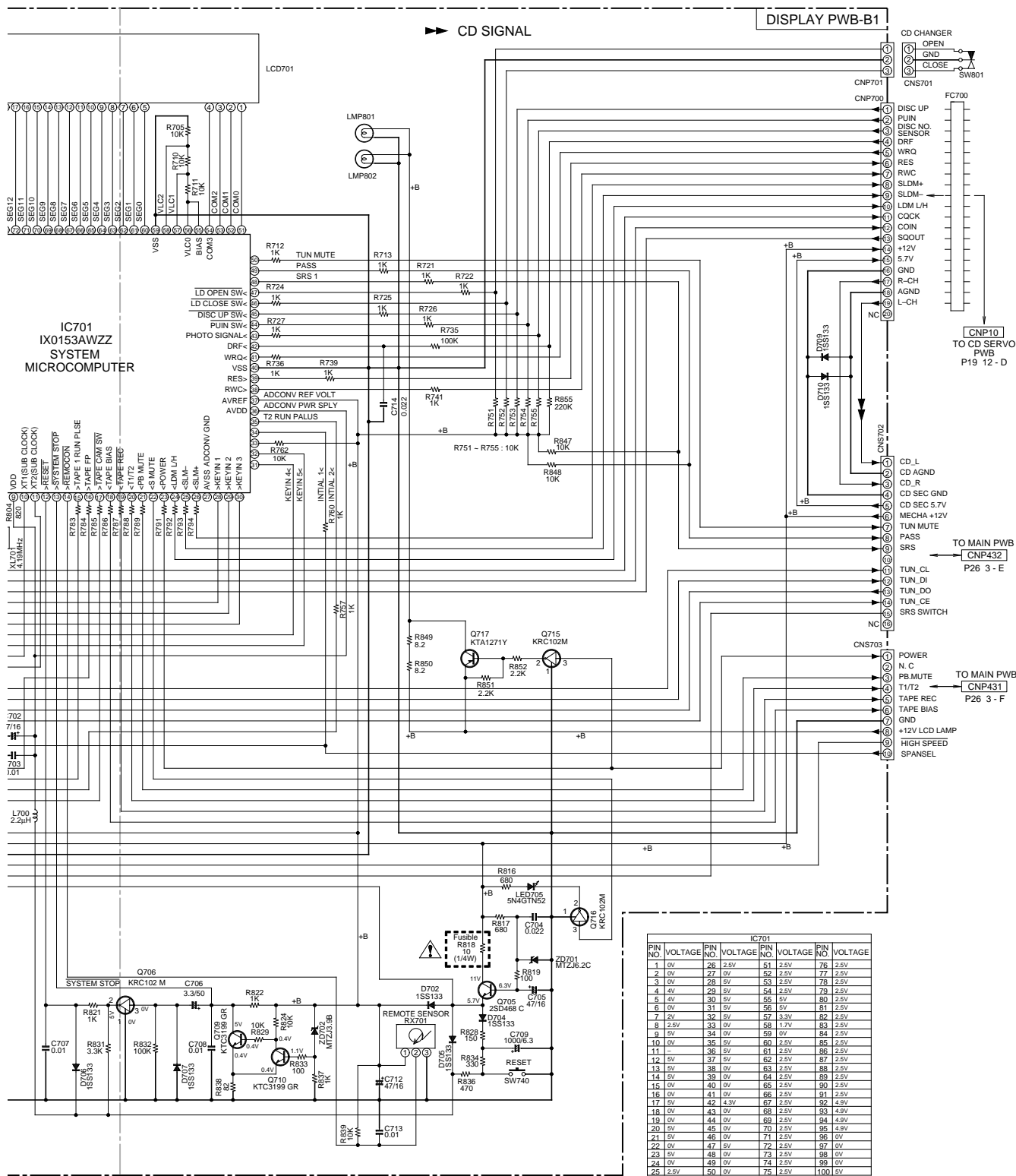


Figure 23 SCHEMATIC DIAGRAM (4/14)

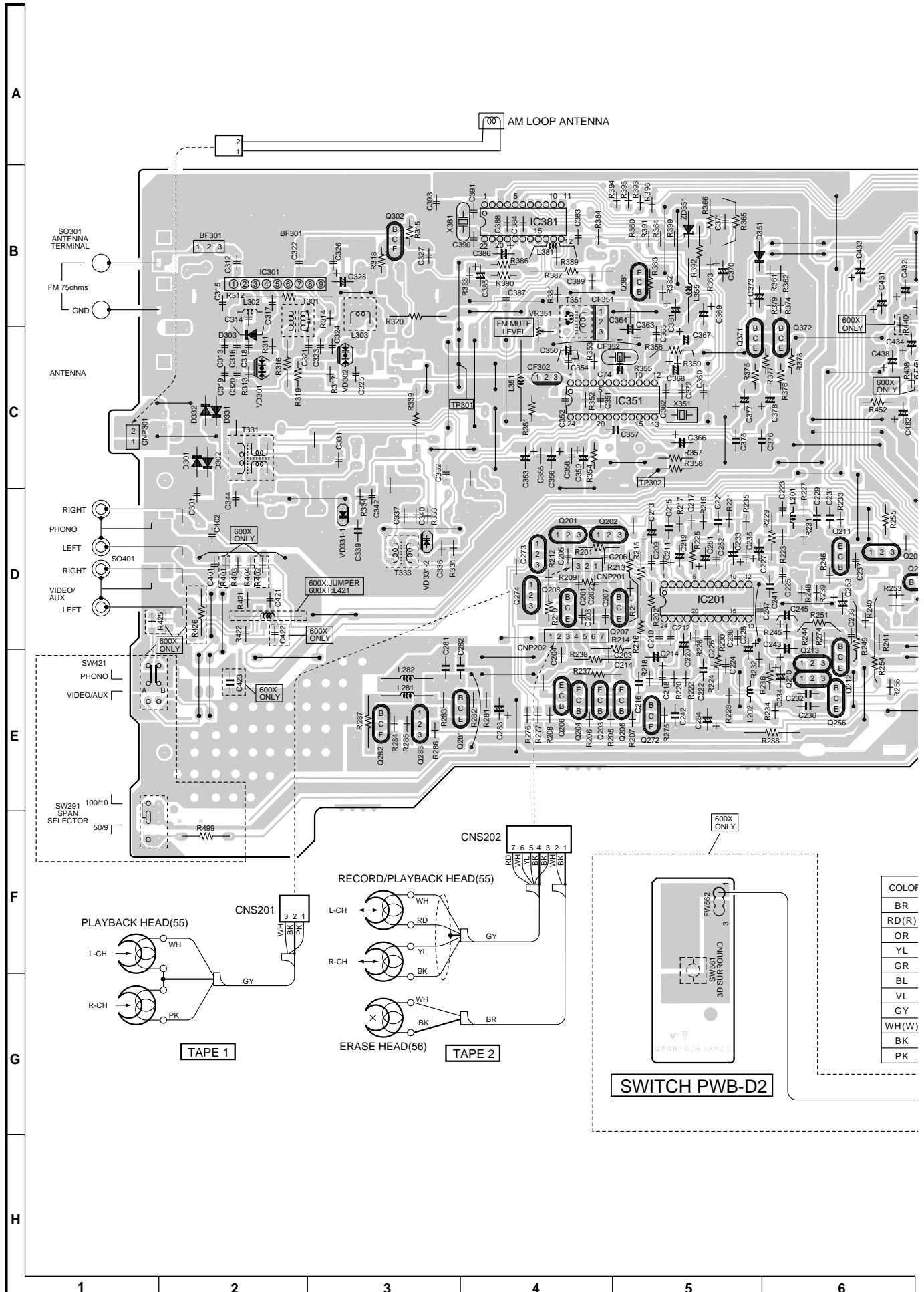
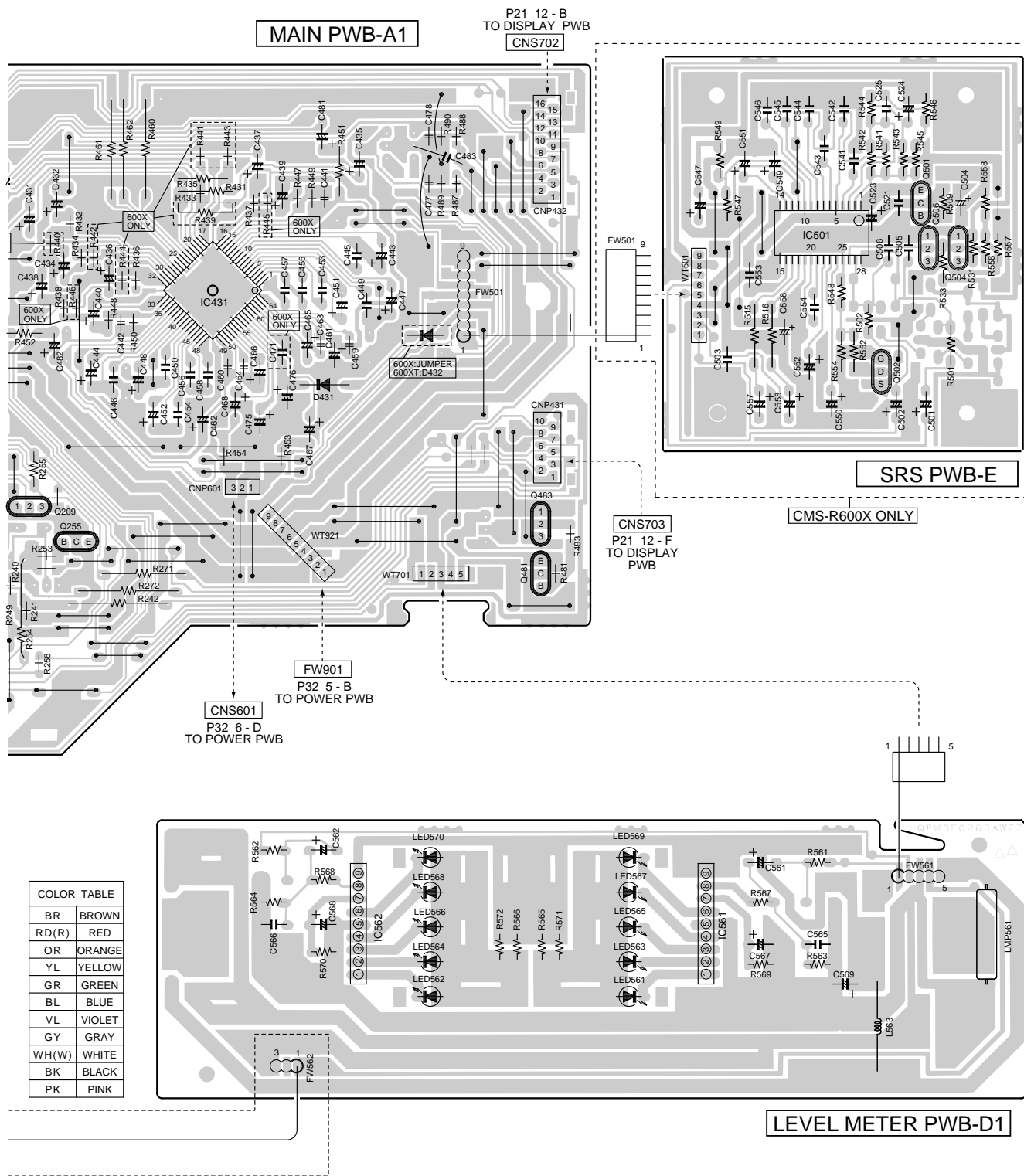
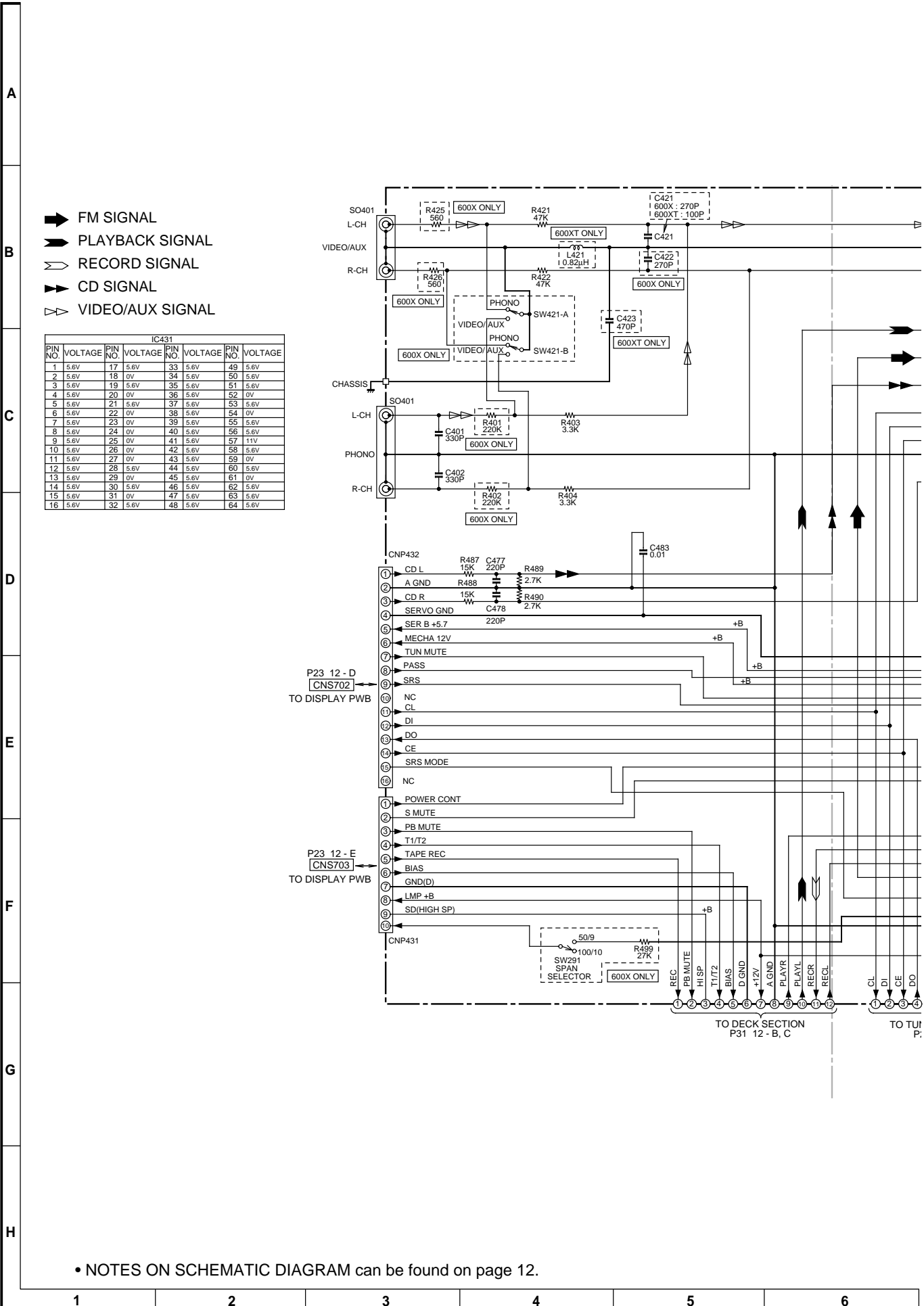


Figure 24 WIRING SIDE OF P.W.BOARD (57)



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

Figure 25 WIRING SIDE OF P.W.BOARD (6/7)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 26 SCHEMATIC DIAGRAM (5/14)

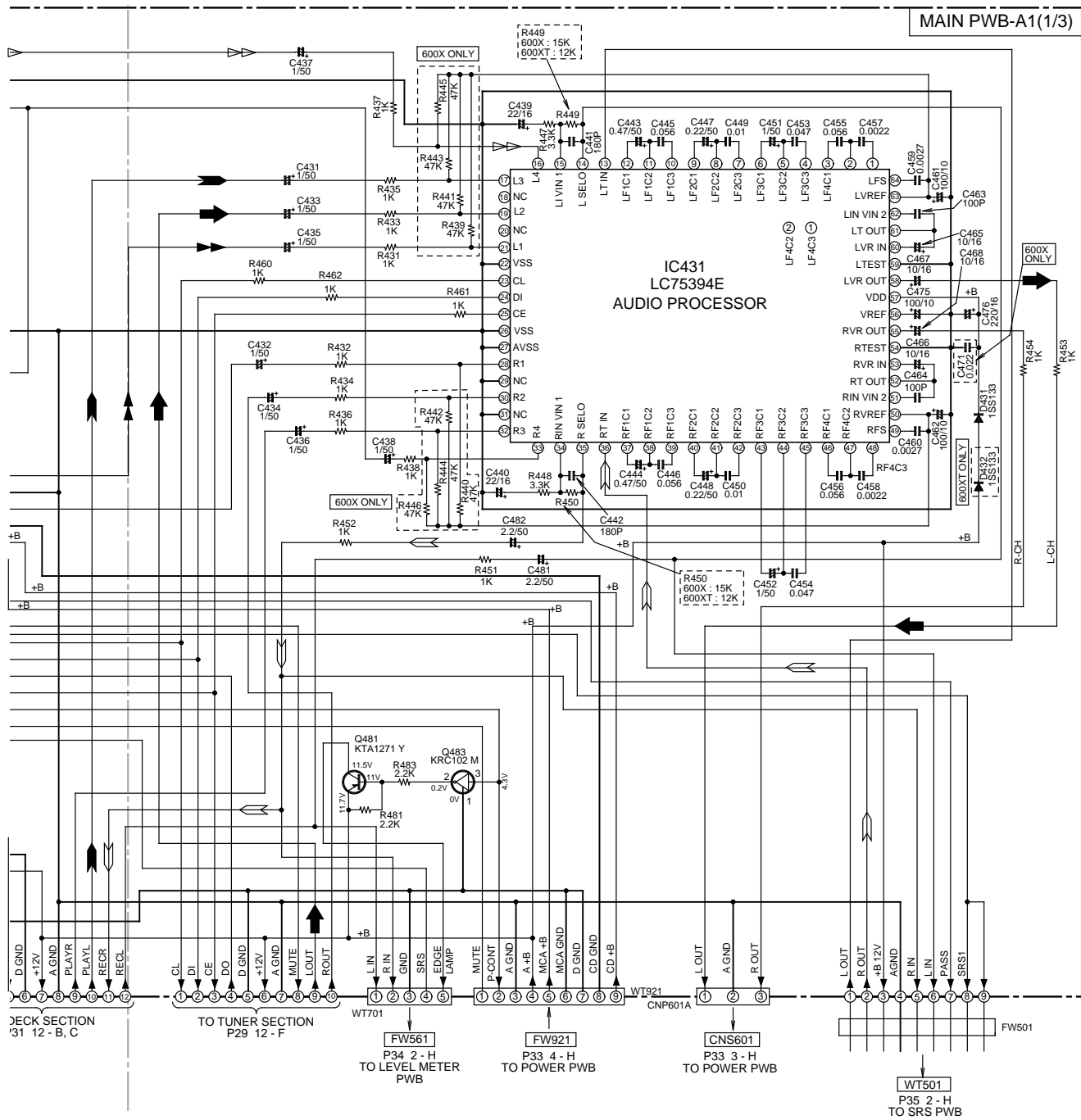
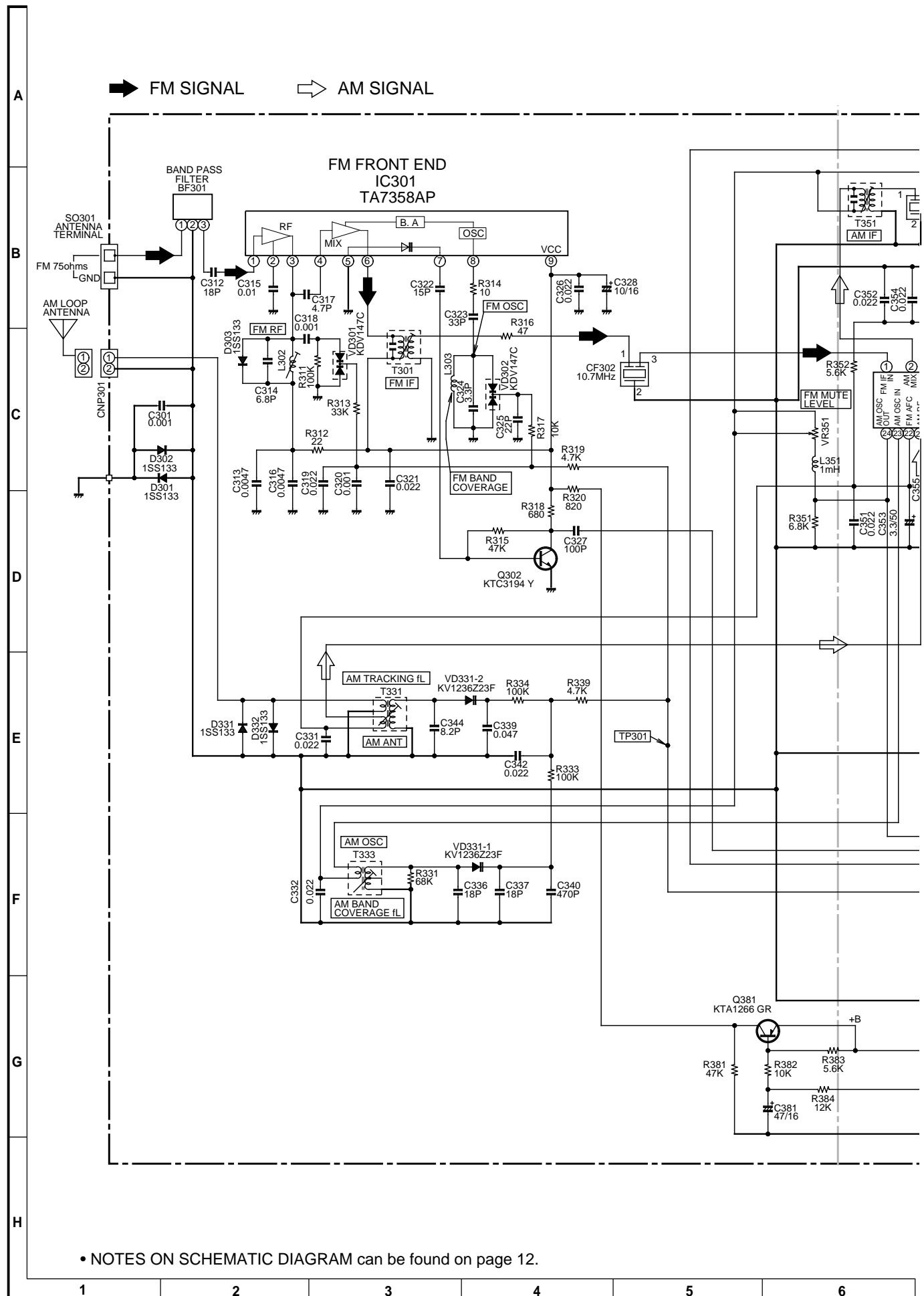


Figure 27 SCHEMATIC DIAGRAM (6/14)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 28 SCHEMATIC DIAGRAM (7/14)

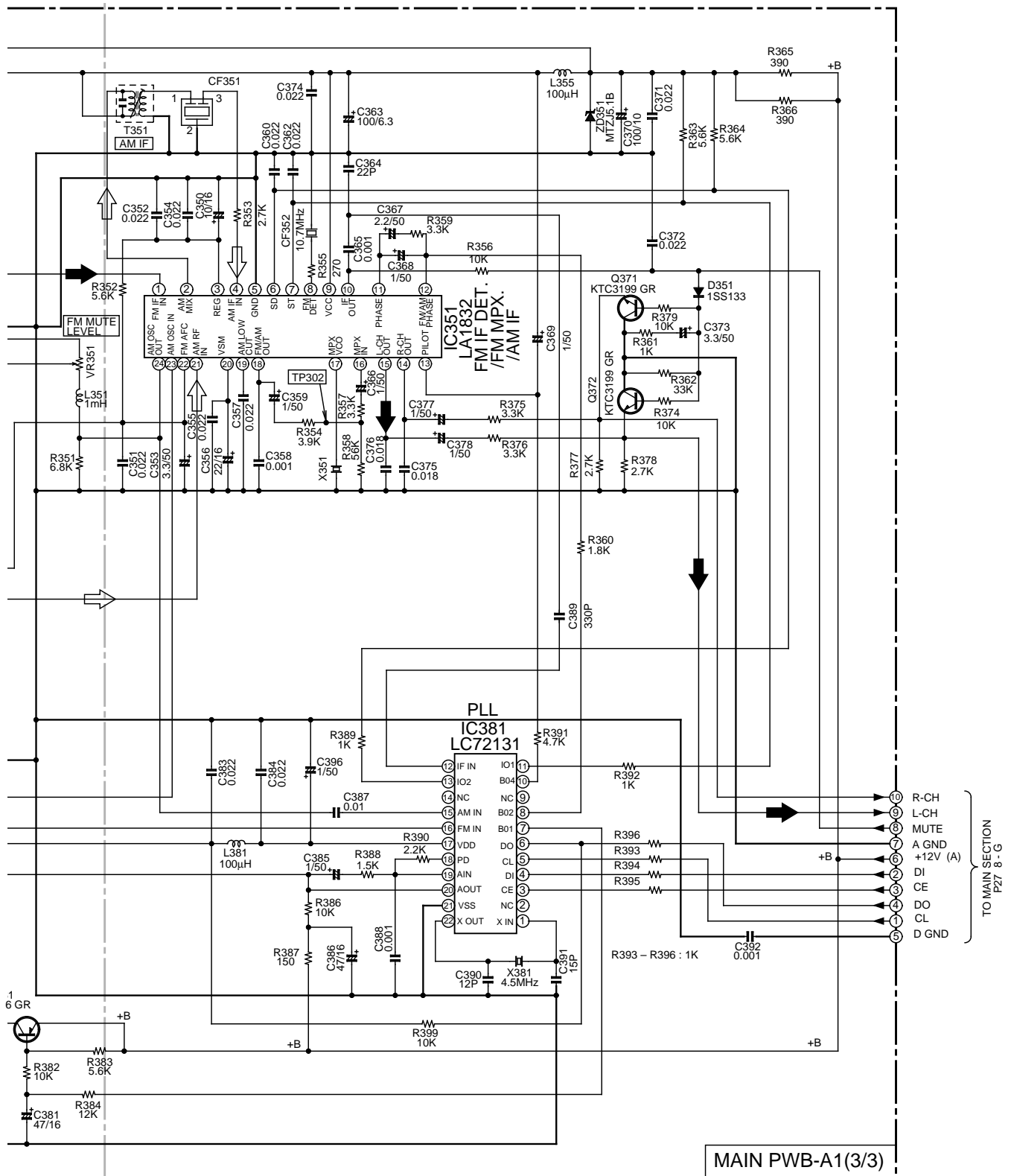


Figure 29 SCHEMATIC DIAGRAM (8/14)

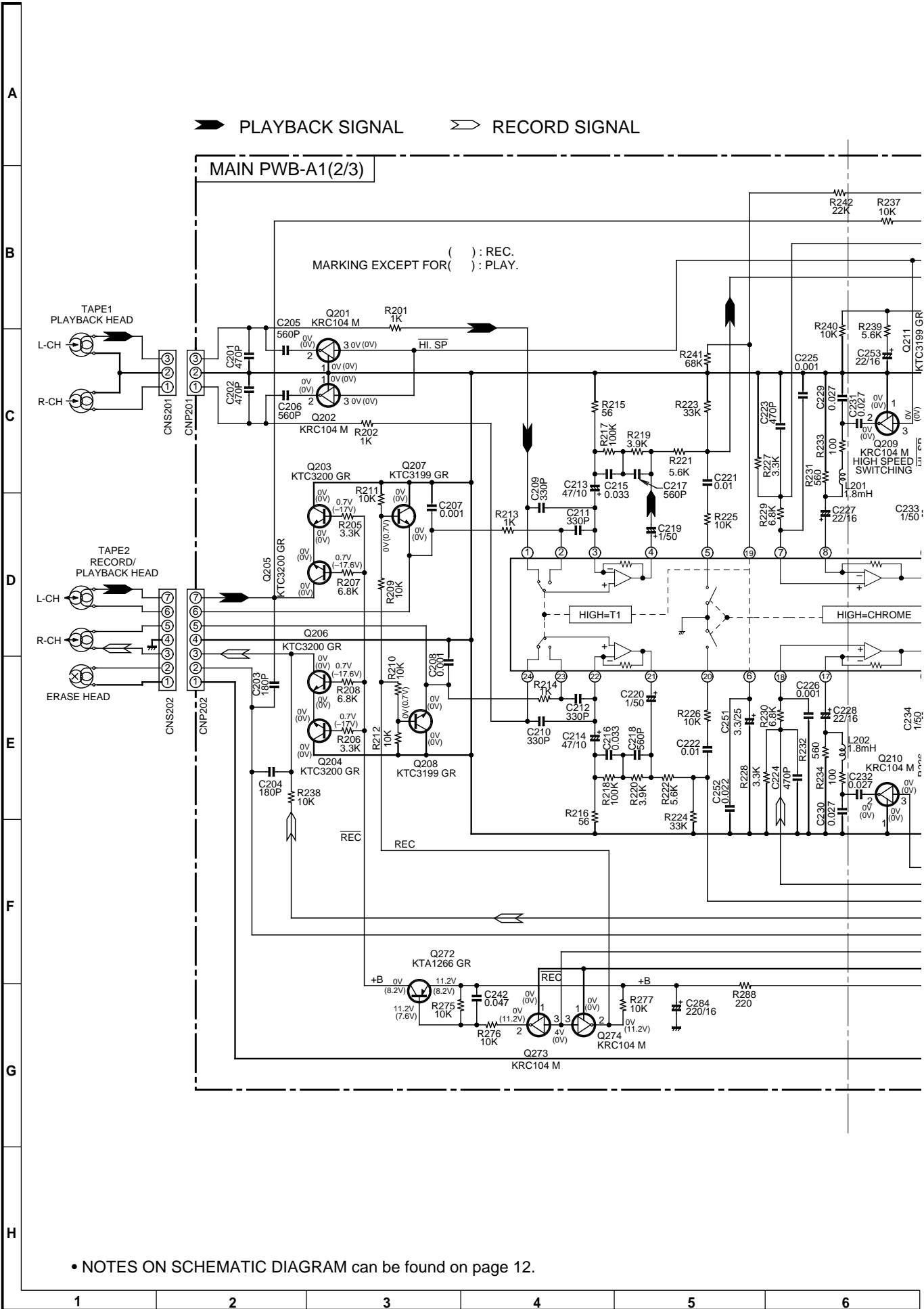
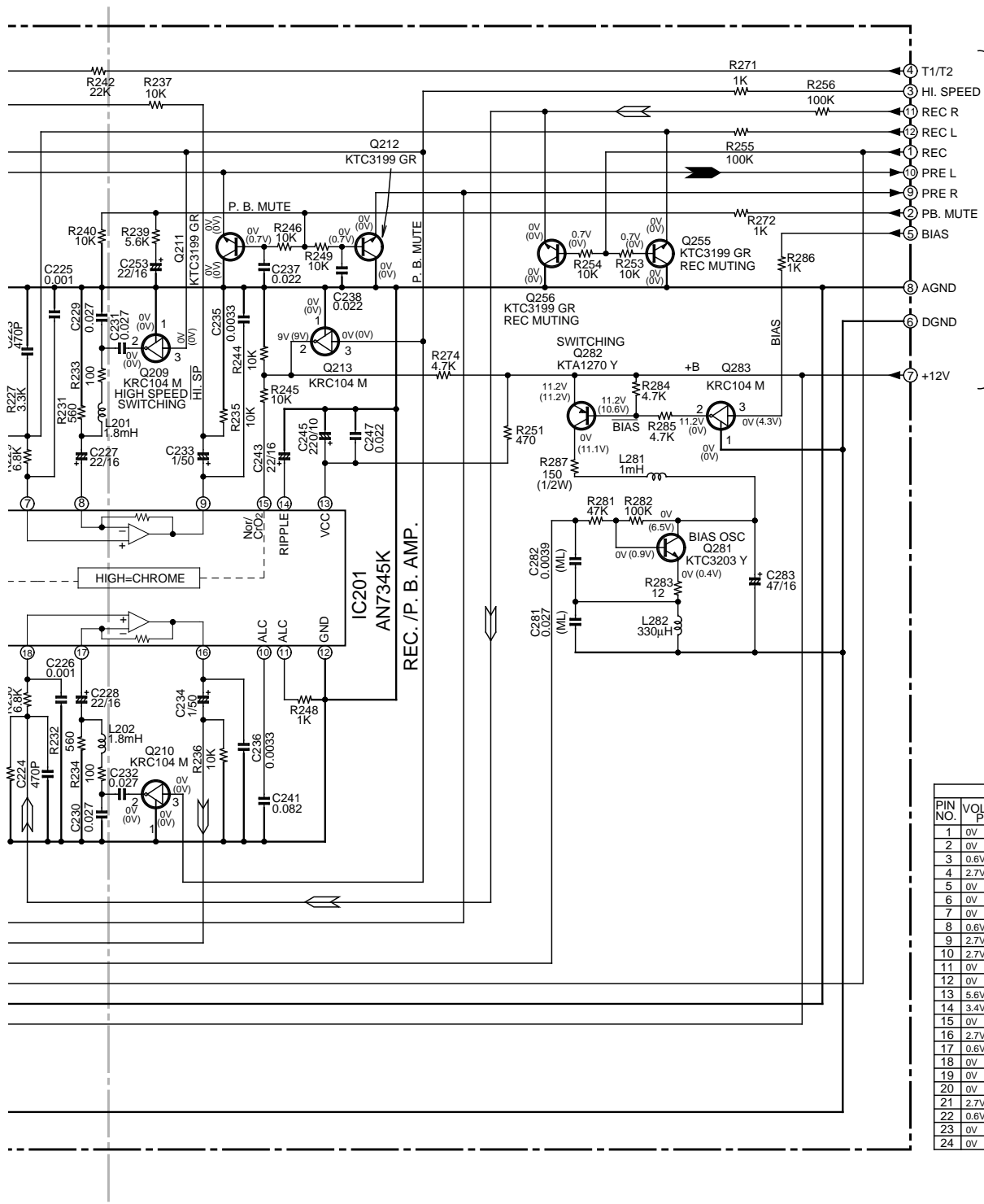


Figure 30 SCHEMATIC DIAGRAM (9/14)



TO MAIN SECTION
P26 5, 6 - H

| IC201 | | |
|---------|---------------|--------------|
| PIN NO. | VOLTAGE PLAY. | VOLTAGE REC. |
| 1 | 0V | 0V |
| 2 | 0V | 0V |
| 3 | 0.6V | 0.6V |
| 4 | 2.7V | 2.7V |
| 5 | 0V | 0V |
| 6 | 0V | 1.2V |
| 7 | 0V | 0V |
| 8 | 0.6V | 0.6V |
| 9 | 2.7V | 2.7V |
| 10 | 2.7V | 2.7V |
| 11 | 0V | 0V |
| 12 | 0V | 0V |
| 13 | 5.6V | 5.6V |
| 14 | 3.4V | 3.4V |
| 15 | 0V | 0V |
| 16 | 2.7V | 2.7V |
| 17 | 0.6V | 0.6V |
| 18 | 0V | 0V |
| 19 | 0V | 0.8V |
| 20 | 0V | 0V |
| 21 | 2.7V | 2.7V |
| 22 | 0.6V | 0.6V |
| 23 | 0V | 0V |
| 24 | 0V | 0V |

Figure 31 SCHEMATIC DIAGRAM (10/14)

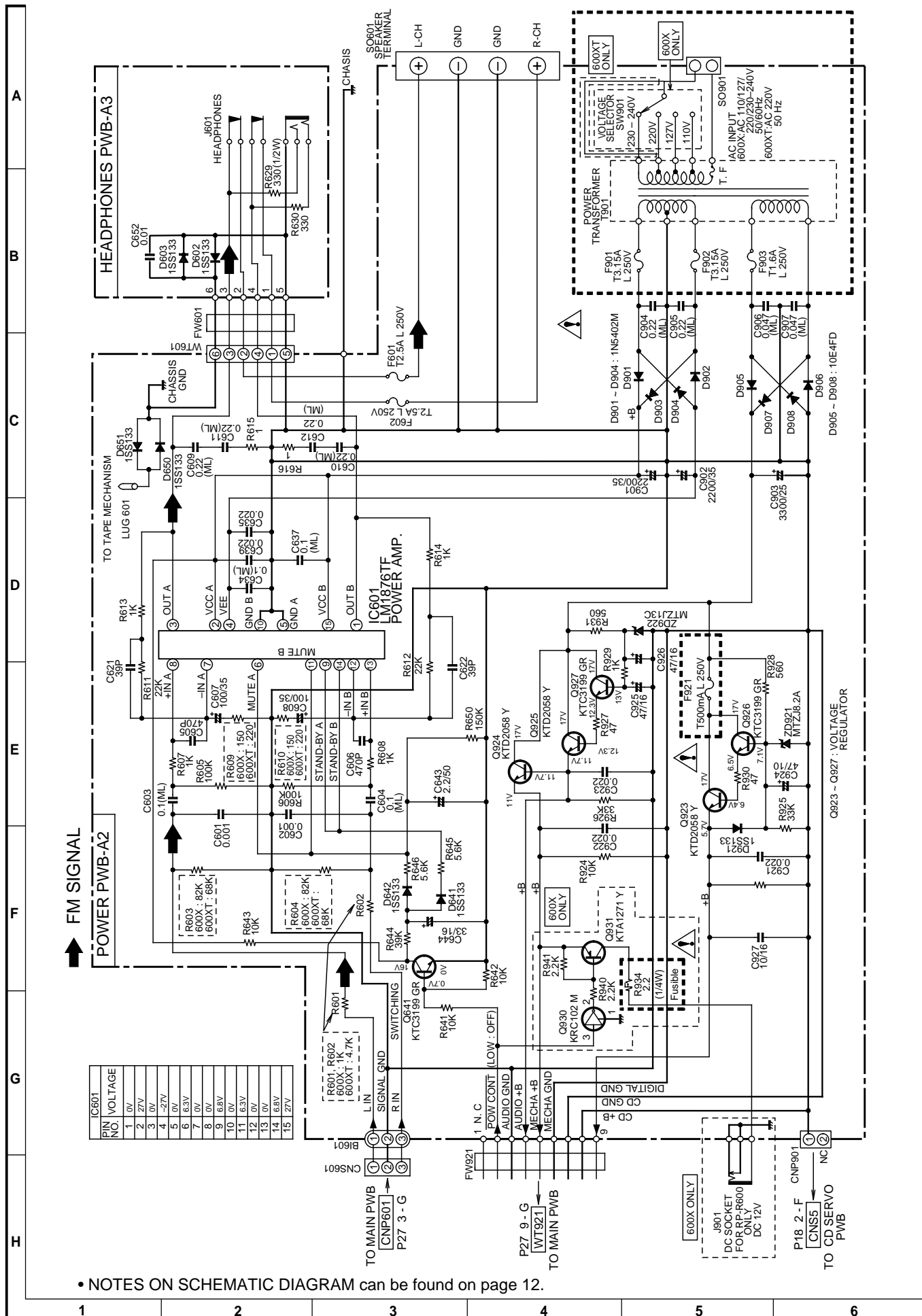
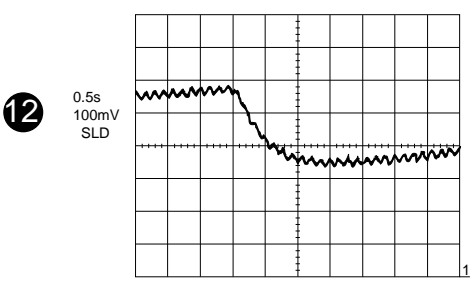
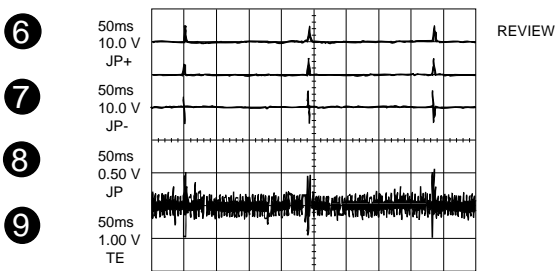
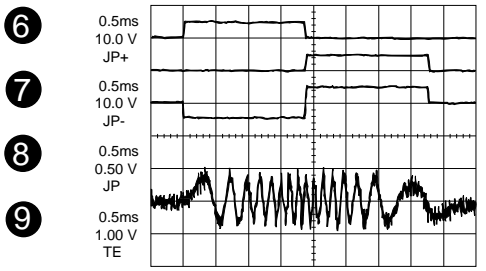
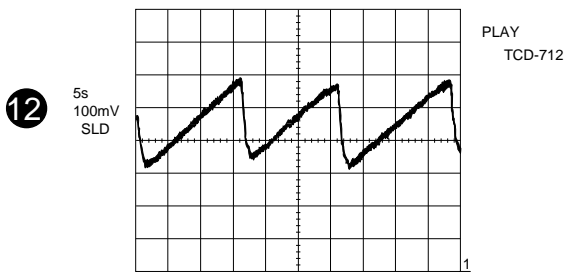
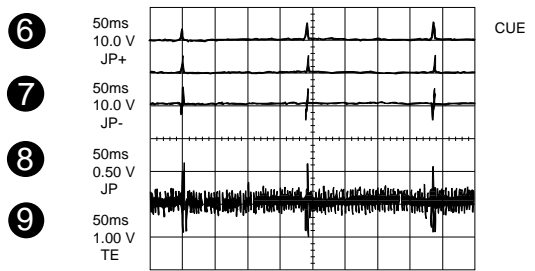
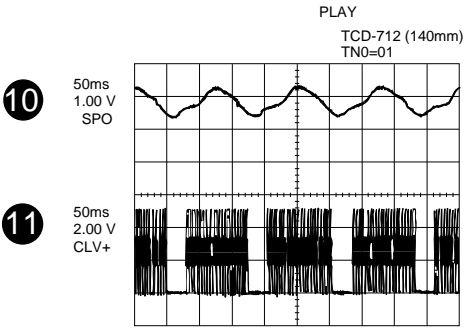
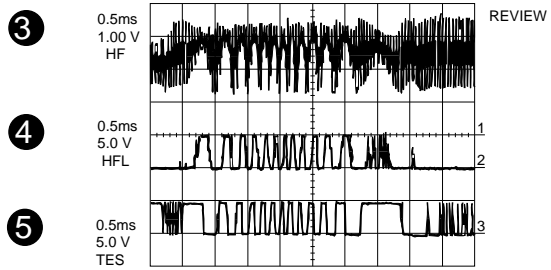
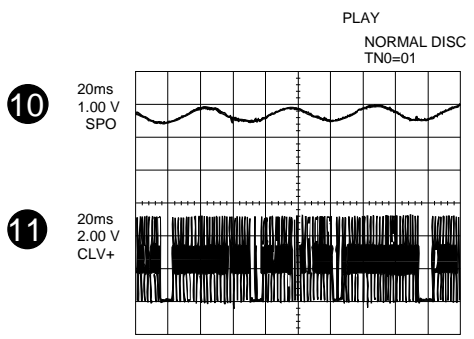
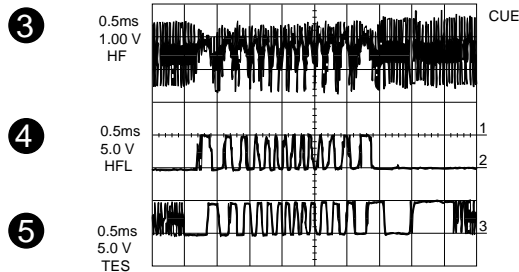
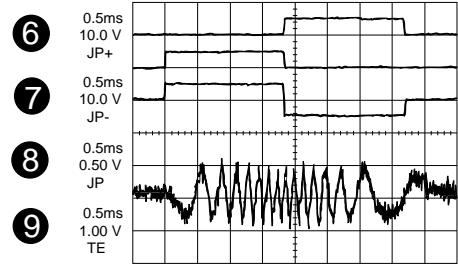
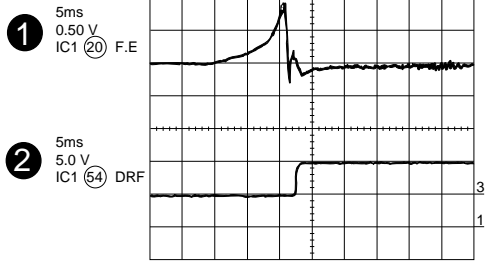


Figure 33 SCHEMATIC DIAGRAM (11/14)

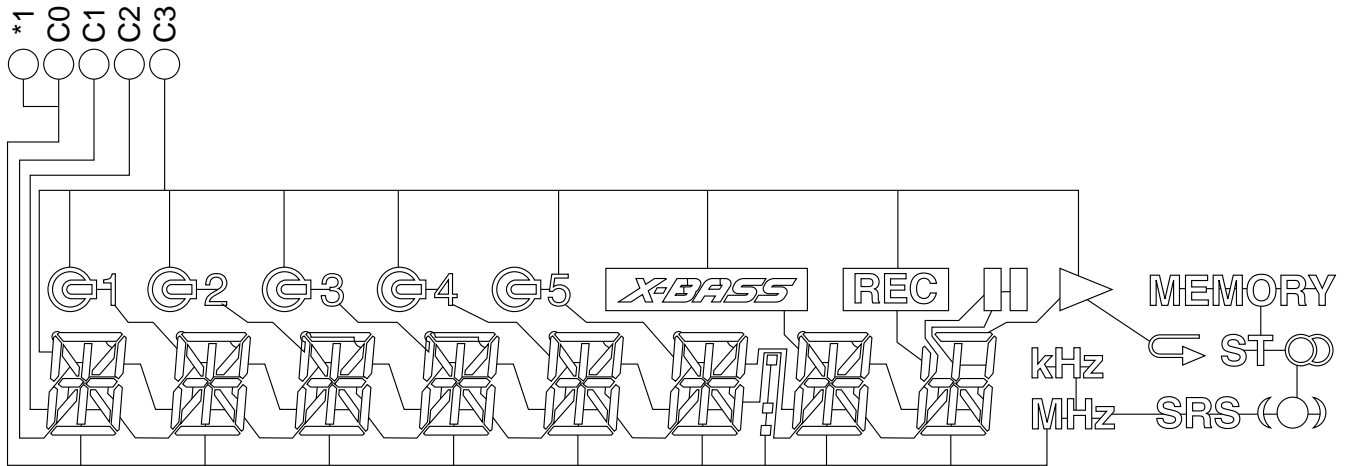
WAVEFORMS OF CD CIRCUIT

STOP → PLAY
FOCUS — SERCH

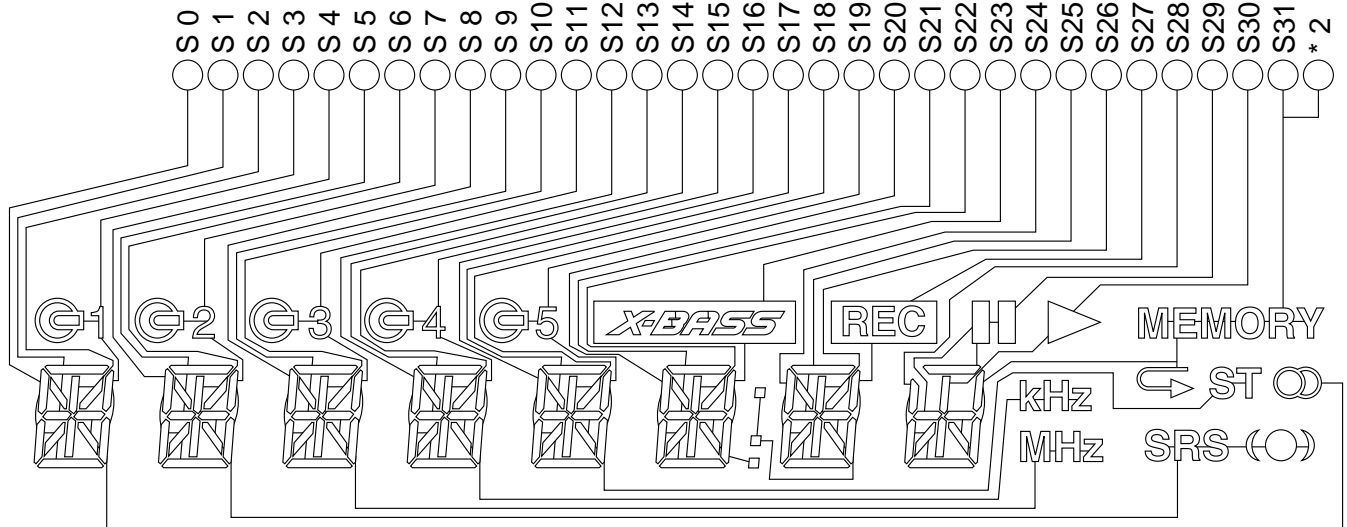


LCD701 : RV-LX0019AWZZ LCD Display

COMMON



SEGMENT



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.

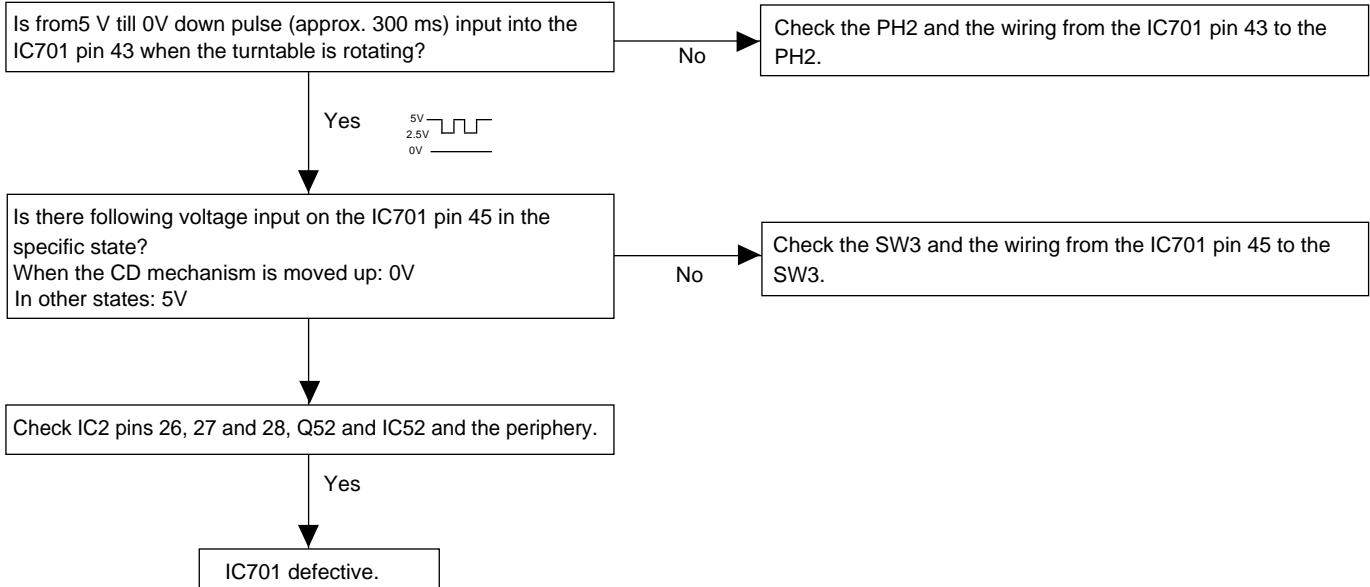
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust or other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

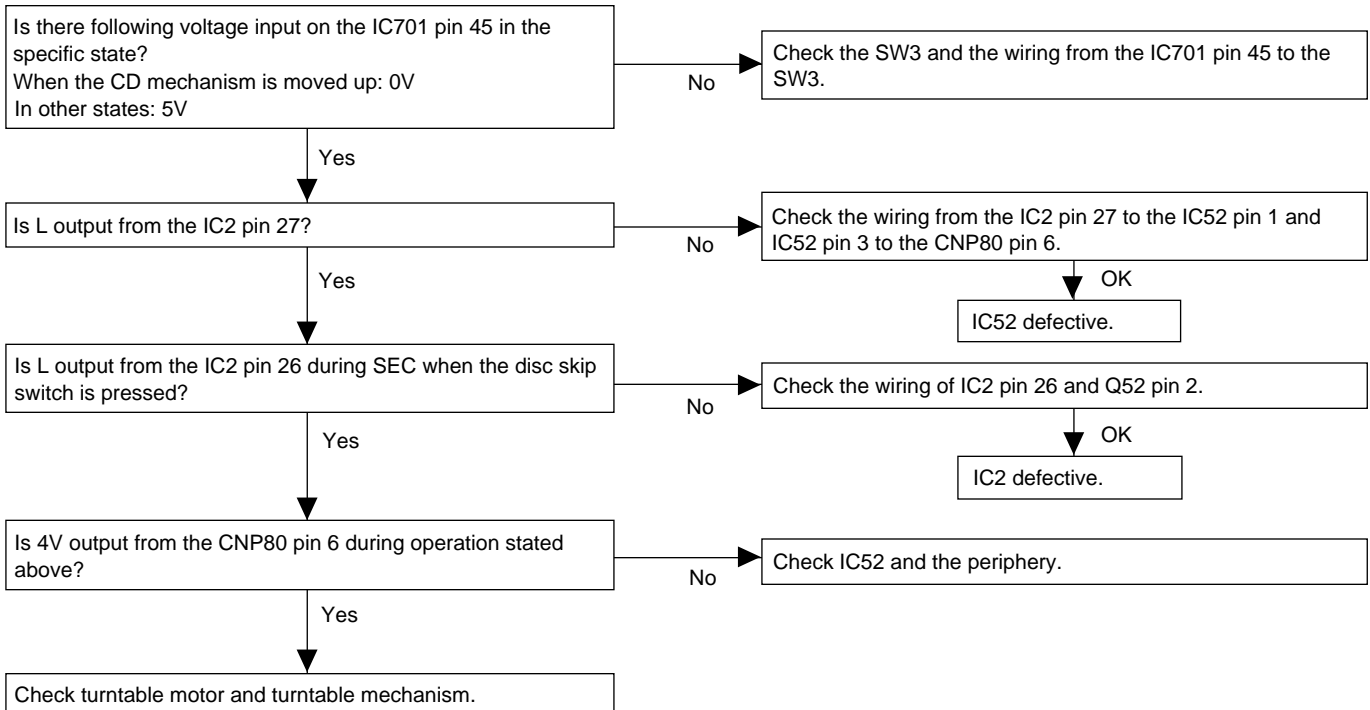
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

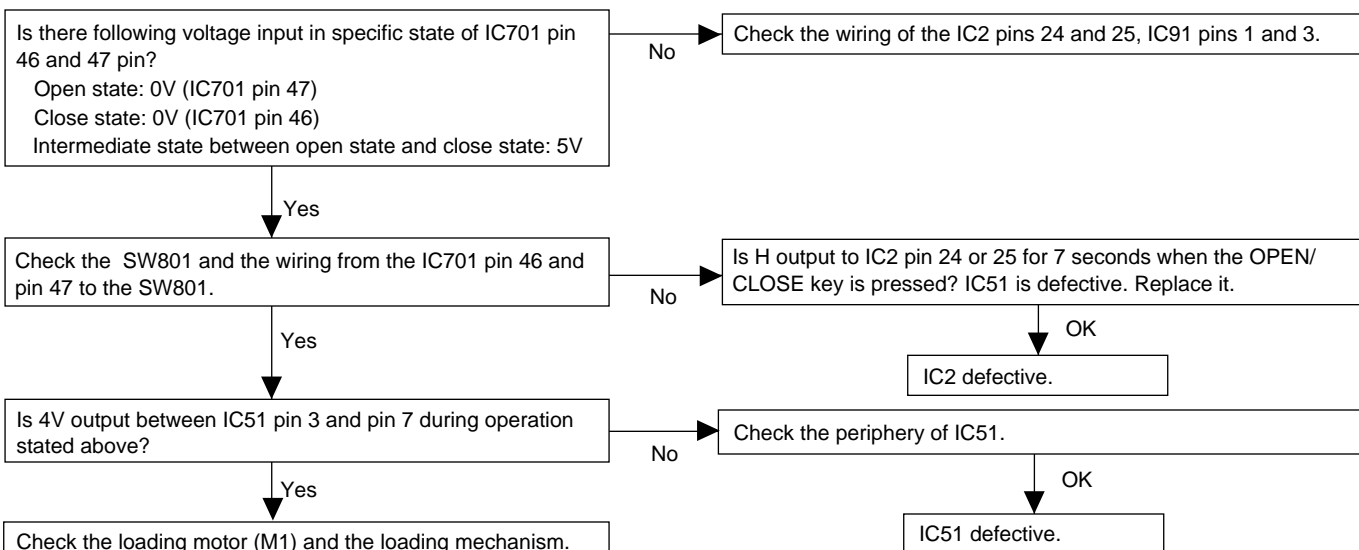
• When the turntable fails to stop.



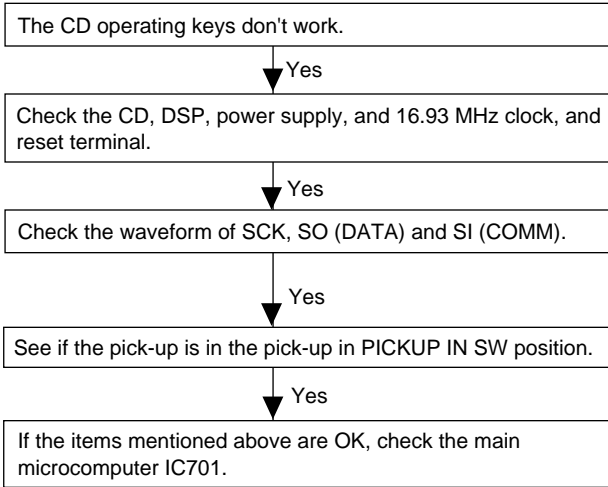
• When turntable fails to move.



• When the CD tray fails to open or close.



• The CD function will not work.



• The CD operating keys work.

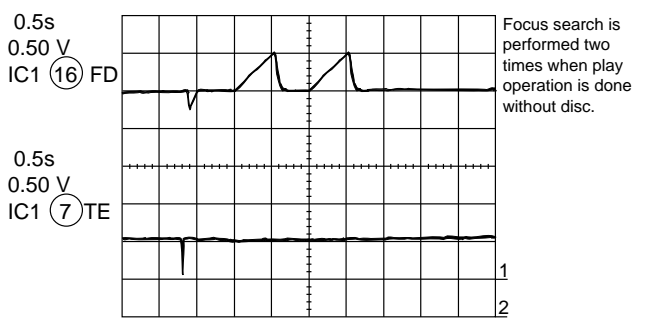
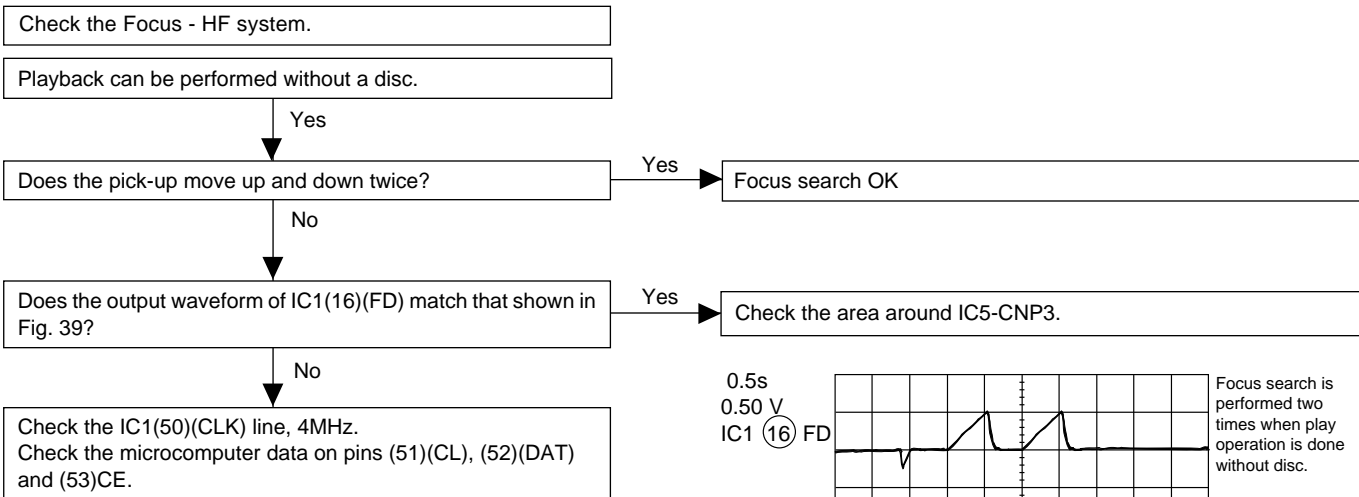


Figure 39

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

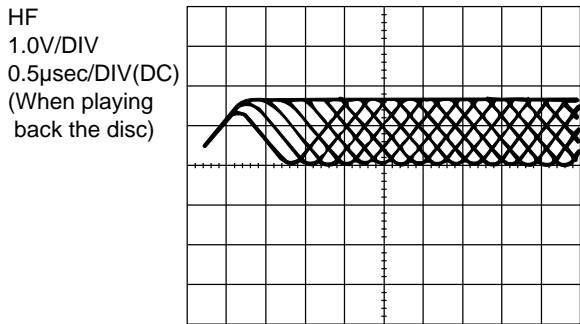
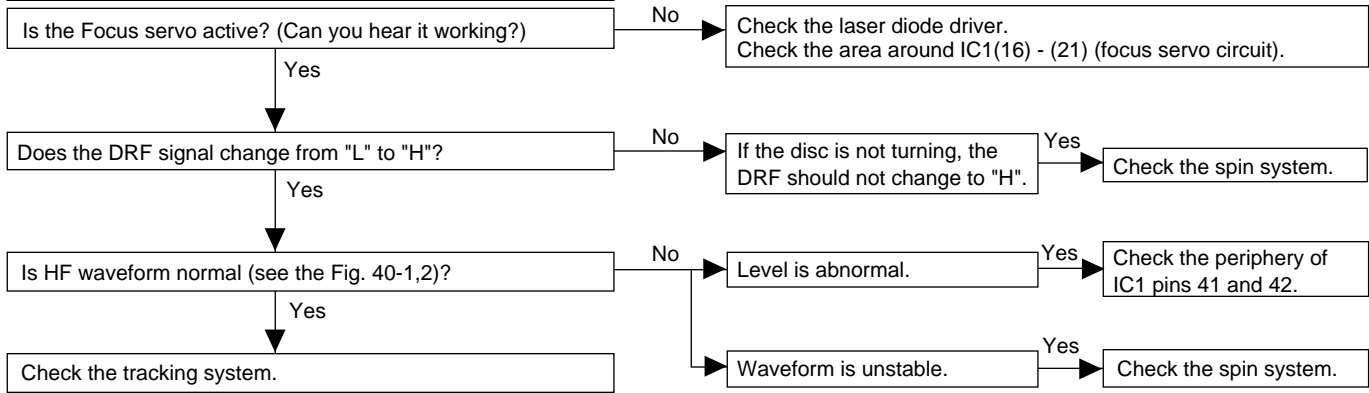


Figure 40-1

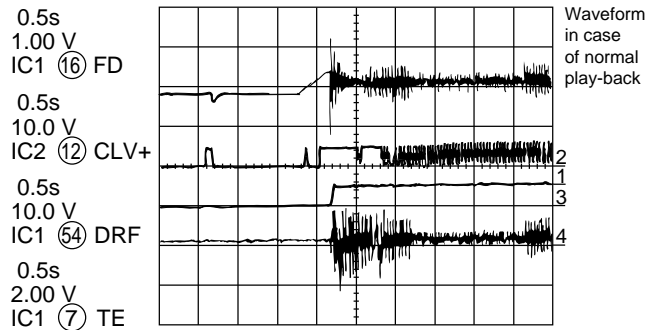


Figure 40-2

• Check the tracking system.

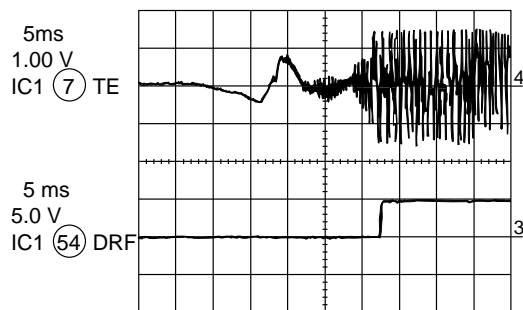
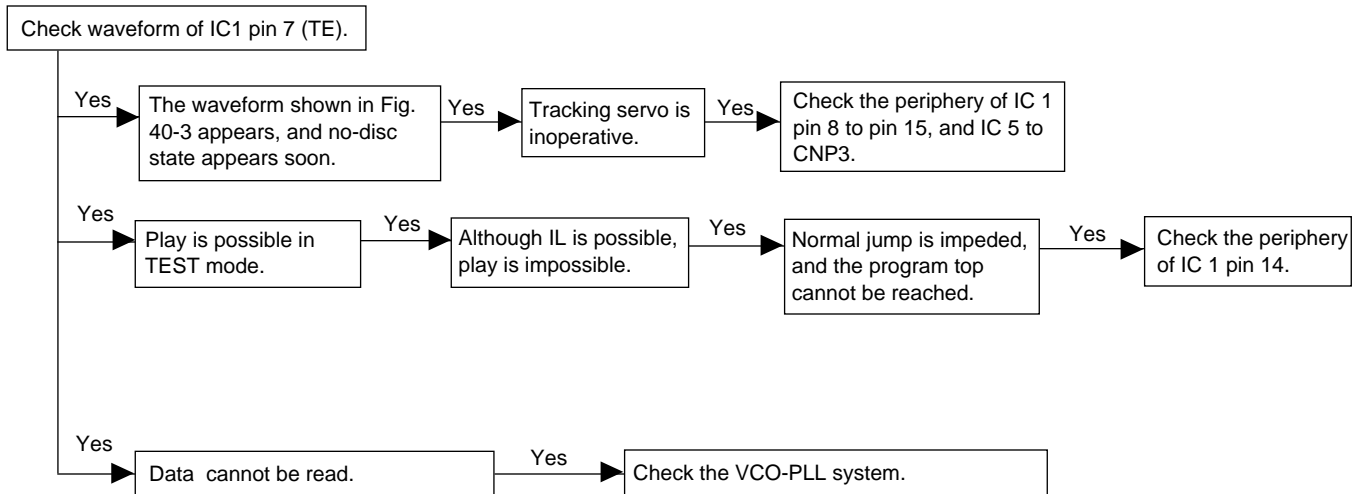
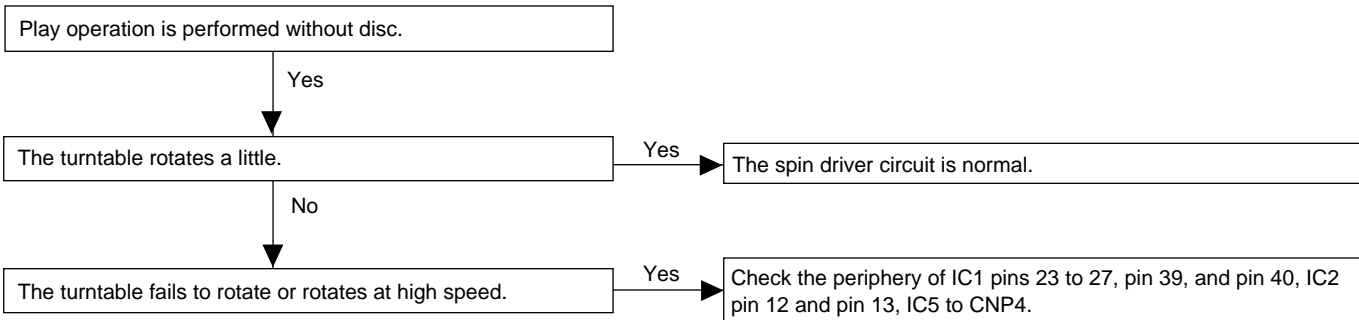


Figure 40-3

• Checking the spin system.



• Checking the VCO-PLL system

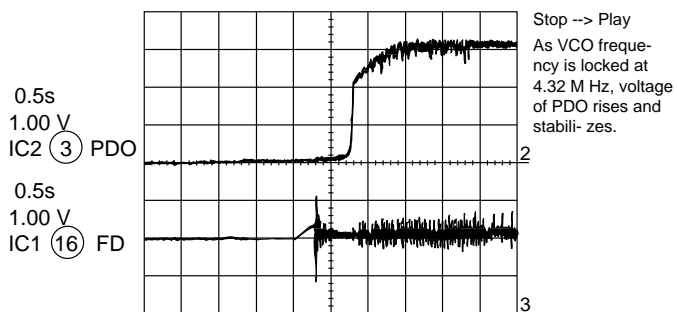
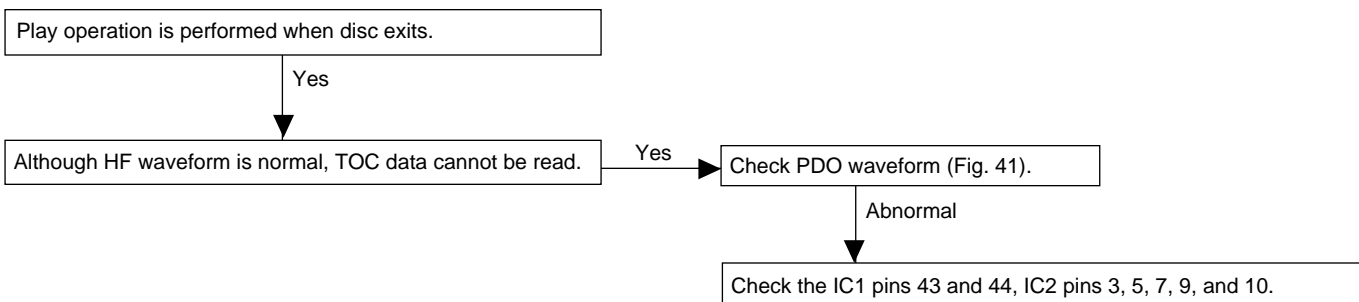
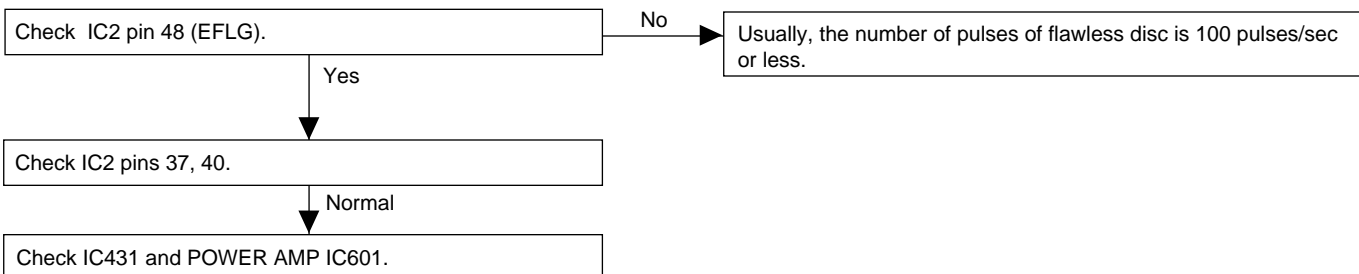


Figure 41

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



FUNCTION TABLE OF IC

IC2 VHiLC78622E-1:Servo/Signal Control (1/2)

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

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

IC2 VHiLC78622E-1:Servo/Signal Control (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 0when 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.

IC2 VHiLC78622E-1:Servo/Signal Control

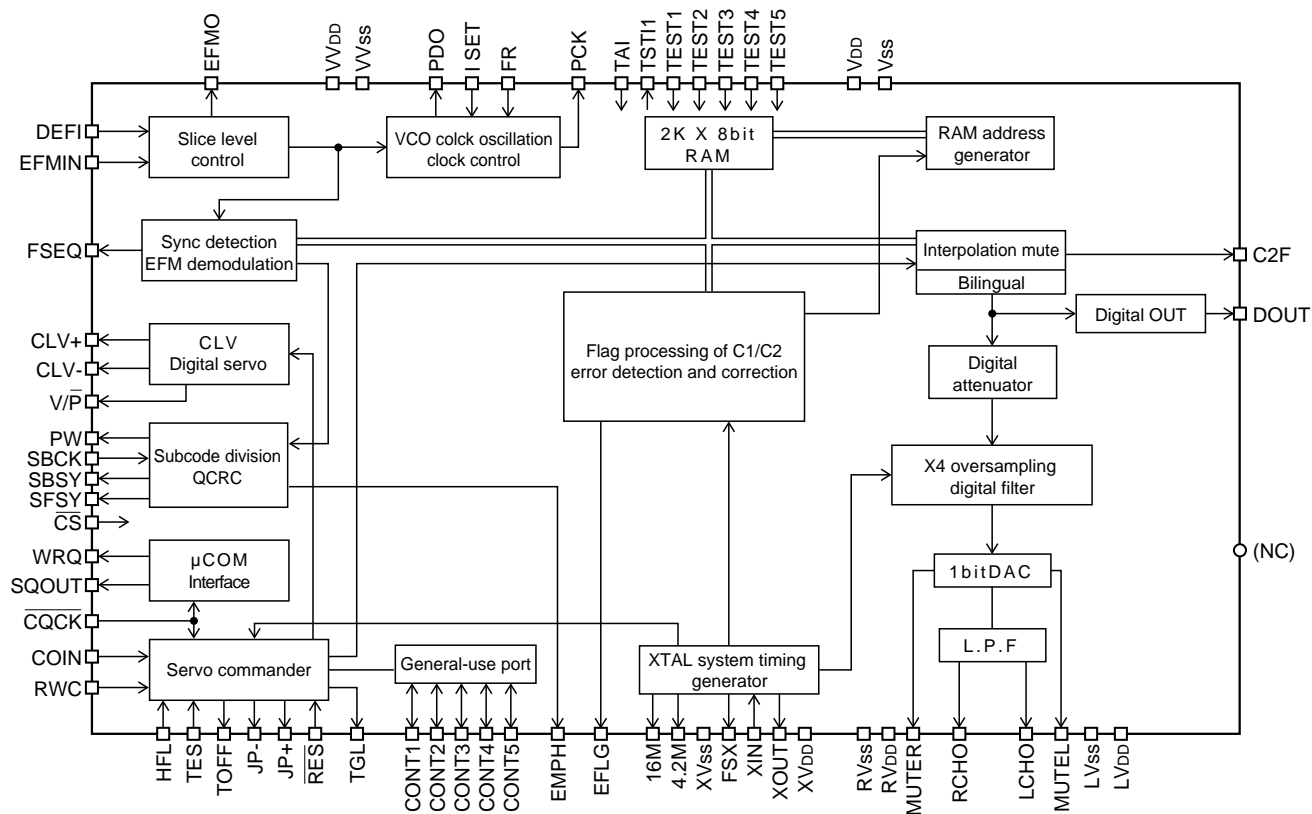


Figure 43 BLOCK DIAGRAM OF IC

IC1 VHiLA9240M/-1: Servo Amp. (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 smoothing capacitor. |
| 47 | TBC | (Tracking Balance Control) Pin to set EF balance variable range. |
| 48* | NC | No connect. |
| 49 | DEF | Defect detection output pin of disk. |
| 50 | CLK | Reference clock input pin. 4.23MHz of DSP is input. |

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

IC1 VHiLA9240M/-1:Servo Amp. (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. |

IC1 VHiLA9240M/-1:Servo Amp.

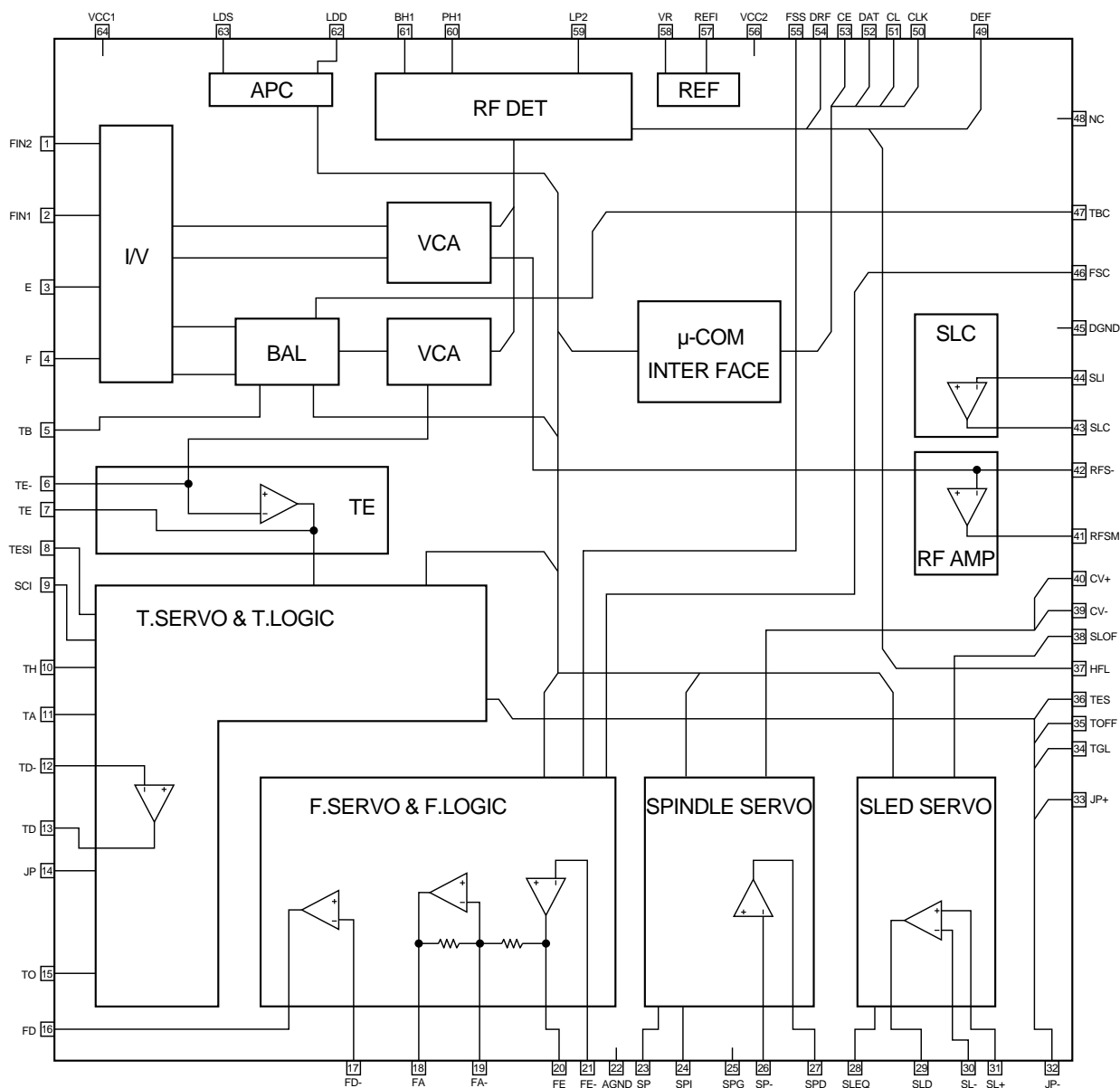


Figure 45 BLOCK DIAGRAM OF IC

IC701 RH-iX0153AWZZ: System Microcomputer (1/2)

| Pin No. | Port Name | Terminal Name | Input/Output | Function | Active |
|---------|---------------------------|---------------------------------|--------------|--|--------|
| 1 | SO0 | C ² B DI | Output | C ² B Data output (Normal: LO) | L/H |
| 2 | $\overline{\text{SCK0}}$ | C ² B CK | Output | C ² B Clock output (Normal: LO) | L/H |
| 3 | RXD | SQOUT | Input | CD Sub-Q data input | L/H |
| 4 | TXD | COIN | Output | CD System Command data output (Function "CD": H) | L/H |
| 5 | ASCK | CQCK | Output | CD Clock for system command (Function "CD": H) | L/H |
| 6 | ICV _{PP} | — | — | GND | — |
| 7 | X2 | — | Output | System clock 4.19 MHz | — |
| 8 | X1 | — | Input | System clock 4.19 MHz | — |
| 9 | V _{DD} | — | — | +5V (Back-up) | — |
| 10 | XT1 | SUB CLOCK | Input | 32.768 kHz OSC | — |
| 11 | XT2 | SUB CLOCK | Output | 32.768 kHz OSC | — |
| 12 | $\overline{\text{RESET}}$ | $\overline{\text{RESET}}$ | Input | System reset | L |
| 13 | INTP0 | $\overline{\text{SYSTEM STOP}}$ | Input | System stop detection L: STOP | L |
| 14 | INTP1 | $\overline{\text{REMOCON}}$ | Input | Remocon serial data input | L |
| 15 | P02 | T1 RUN PLSE | Input | T1 Play detection H/L: Rotation fixed: STOP | L/H |
| 16 | P03 | TAPE FP | Input | T2 FP SW detection H: Recording inhibited L: Recording enabled | L/H |
| 17 | P04 | $\overline{\text{CAM SW}}$ | Input | Tape stop mode detection L: STOP | L |
| 18 | P05 | TAPE BIAS | Output | TAPE Recording BIAS control H: BIAS OSC on | H |
| 19 | P110 | $\overline{\text{TAPE REC}}$ | Output | Record/Playback control H: Playback L: Recording | L |
| 20 | P111 | T1/T2 | Output | T1/T2 Mode selector H: T1 L: T2 | L/H |
| 21 | P112 | PB MUTE | Output | Playback muting L: Playback H: Mute ON | H |
| 22 | P113 | S MUTE | Output | System muting H: Mute ON | H |
| 23 | P114 | POWER | Output | Power control H: Power ON | H |
| 24 | P115 | LDM L/H | Output | Tray open/close motor speed control L: High H: Low | L/H |
| 25 | P116 | SLM- | Output | CD Pick-up slide motor control H: To inside | H |
| 26 | P117 | SLM+ | Output | CD Pick-up slide motor control H: To outside | H |
| 27 | AV _{SS} | — | — | AD converter GND | — |
| 28 - 32 | ANI0 - 4 | KEYIN 1 - 5 | Input | AD Input for key-in | — |
| 33 | ANI5 | INITIAL 1 | Input | AD Input for auto scan set 0V: Without auto scan | — |
| 34 | ANI6 | INITIAL 2 | Input | AD Input for tuner band See(KEY ARRANGEMENT TABLE) | — |
| 35 | ANI7 | T2 RUN PULSE | Input | TAPE2 Rotation detection Voltage changing: Rotation | — |
| 36 | AV _{DD} | — | — | AD Converter +B(5V) | — |
| 37 | AV _{REF} | — | — | AD Converter reference voltage (5V) | — |
| 38 | P100 | RWC | Output | CD DSP Chip enable | H |
| 39 | P101 | RES | Output | CD DSP Reset L: Reset | H |
| 40 | V _{SS} | V _{SS} | — | GND | — |
| 41 | P102 | WRQ | Input | Write request from CD DSP | H |
| 42 | P103 | DRF | Input | Data read flug from CD DSP H: Focus OK | H |
| 43 | P30 | PHT | Input | CD Disc No. detection | H |
| 44 | P31 | $\overline{\text{PUIN SW}}$ | Input | CD Pick-up detection L: inside | L |
| 45 | P32 | $\overline{\text{DISC UP SW}}$ | Input | CD traverce mecha detection L: UP complete | L |
| 46 | P33 | $\overline{\text{CLOSE SW}}$ | Input | CD Tray close detection L: Close complete | L |
| 47 | P34 | $\overline{\text{OPEN SW}}$ | Input | CD Tray open detection L: Open complete | L |
| 48 | P35 | SRS 1 | Output | SRS mode control L: MODE1 H: MODE2 | L/H |
| 49 | P36 | PASS | Output | SRS ON/OFF control H: PASS L: SRS ON | L/H |
| 50 | P37 | TUN MUTE | Output | Tuner Muting H: Mute ON | H |
| 51 - 54 | COM0 - 3 | COM0 - 3 | Output | LCD Common drive out | — |
| 55 | BIAS | BIAS | Output | LCD Bias voltage output | — |
| 56 - 58 | VLC0 - 2 | VLC0 - 2 | — | LCD Bias voltage input | — |
| 59 | V _{SS} | V _{SS} | — | GND | — |

IC701 RH-iX0132AWZZ: System Microcomputer (2/2)

| Pin No. | Port Name | Terminal Name | Input/Output | Function | Active |
|---------|-----------|---------------------|--------------|--|--------|
| 60 - 91 | SEG0 - 31 | SEG0 - 31 | Output | LCD Segment driver output | — |
| 92 | P87 | ILLU GUIDE 1 | Output | LED Control ▶ L: ON | L |
| 93 | P86 | ILLU GUIDE 2 | Output | LED Control ▶▶ L: ON | L |
| 94 | P85 | ILLU GUIDE 3 | Output | LED Control ◀◀ L: ON | L |
| 95 | P84 | ILLU GUIDE 4 | Output | LED Control ■ L: ON | L |
| 96 | P83 | TAPE SOL | Output | Tape solenoid control H: Pull L: Release | H |
| 97 | P82 | TAPE MOTOR | Output | Tape motor control H: ON | H |
| 98 | P81 | HI SPEED | Output | Tape speed control H: Normal L: High | L |
| 99 | P80 | C ² B CE | Output | C ² B Chip enable output | H |
| 100 | SI0 | C ² B DO | Input | C ² B Data input | L/H |

KEY ARRANGEMENT TABLE

| | KEY POSITION PORT VOLTAGE | KN0 0V(0.0) | KN1 0.65V(0.13) | KN2 1.24V(0.248) | KN3 1.88V(0.375) | KN4 2.49V(0.497) | KN5 3.13V(0.625) | KN6 3.71V(.0625) | KN7 4.36V(0.871) | OPEN 5V(1.0) |
|---------|------------------------------|-------------------------------|-------------------------------|---------------------------|---------------------|---------------------|----------------------|-----------------------|---------------------|-----------------|
| PIN.NO. | ADDDATA PORT | | | | | | | | | |
| (28) | KEYIN 1 (ANI 0) | K01 CD | K02 TUNER | K03 TAPE 1/2 | K04 VIDEO | K05 VOL DOWN | K06 BAND | K07 SRS | K08 BAL L | NO KEY INPUT |
| (29) | KEYIN 2 (ANI 1) | K11 REPEAT PLAY ▶ | K12 RANDOM | K13 APMS MEMORY | K14 CLEAR | K15 VOL UP | K16 | K17 PRESET DOWN | K18 REWIND ◀◀ | NO KEY INPUT |
| (30) | KEYIN 3 (ANI 2) | K21 NOR EDIT | K22 HIGH EDIT | K23 TUNING DOWN | K24 CD PAUSE | K25 REC PAUSE | K26 STOP ■ | K27 PRESET UP | K28 FF ▶▶ | NO KEY INPUT |
| (31) | KEYIN 4 (ANI 3) | K31 POWER | K32 PRESET MEMORY | K33 TUNING UP | K34 X-BASS | K35 HEAVY | K36 VOCAL | K37 BGM | K38 FLAT | NO KEY INPUT |
| (32) | KEYIN 5 (ANI 4) | K41 OPEN/ CLOSE | K42 DISC SKIP | K43 DISC 5 | K44 DISC 4 | K45 DISC 3 | K46 DISC 2 | K47 DISC 1 | K48 BALANCE R | NO KEY INPUT |
| (33) | AUTO SCAN (ANI 5) | INITIAL-1 w/o AUTO SCAN | INITIAL-2 w/o AUTO SCAN | | | | | | | NO KEY INPUT |
| (34) | TUNER (ANI 6) | TUNER USA | TUNER EU 1 FM,MW | TUNER EU 2 FM,MW,LW | TUNER JAPAN | TUNER EX 1 9K | TUNER EX 2 10K | TUNER KOREA | TUNER OIRT | NO KEY INPUT |
| (35) | T2 RUN PALUS | | | | | | | | | NO KEY INPUT |

IC5 VHiBA5920FP-1:Focus/Tracking/Spin/Slide Driver

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

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

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

IC5 VHiBA5920FP-1:Focus/Tracking/Spin/Slide Driver

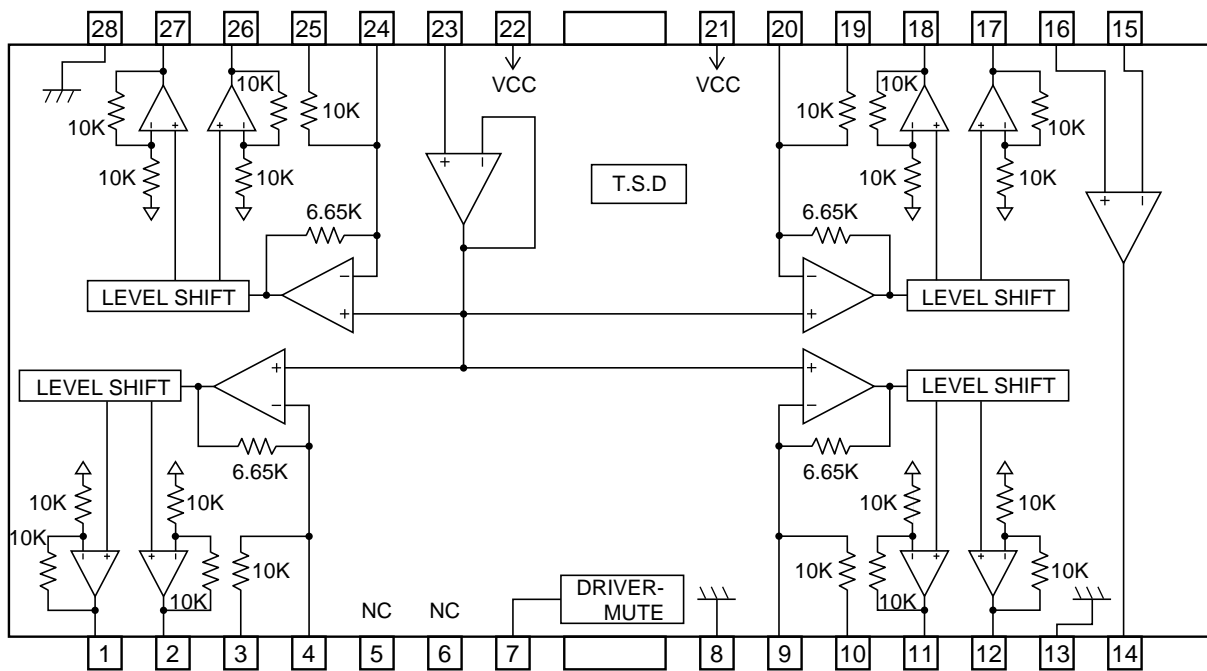


Figure 48 BLOCK DIAGRAM OF IC

SHARP PARTS GUIDE

MODEL **CMS-R600X(BK)** **CMS-R600XT(BK)**

“HOW TO ORDER REPLACEMENT PARTS”

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

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

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

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

Explanation of capacitors/resistors parts codes

Capacitors

VCC Ceramic type
 VCK Ceramic type
 VCT Semiconductor type
 VC •• MF Cylindrical type (without lead wire)
 VC •• MN Cylindrical type (without lead wire)
 VC •• TV Square type (without lead wire)
 VC •• TQ Square type (without lead wire)
 VC •• CY Square type (without lead wire)
 VC •• CZ Square type (without lead wire)
 VC •••••••• J .. The 13th character represents capacity difference.
 ("J" ±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.

CMS-R600X/R600XT

| NO. | PART CODE | ★ PRICE RANK | DESCRIPTION |
|----------------------------|---------------|--------------|--|
| INTEGRATED CIRCUITS | | | |
| IC1 | VHILA9240M/-1 | J AV | Servo Amp.,LA9240M |
| IC2 | VHILC78622E-1 | J BA | Servo/Signal Control, LC78622E |
| IC5 | VHIBA5920FP-1 | J AR | Focus/Tracking/Spin/ Slide Driver,BA5920FP |
| IC51,52 | VHITA7291S/-1 | J AH | Motor Driver,TA7291S |
| IC201 | VHIAN7345K/-1 | J AM | REC./P.B.Amp.,AN7345K |
| IC301 | VHITA7358AP-1 | J AG | FM Front End,TA7358AP |
| IC351 | VHILA1832//1 | J AR | FM IF Det./FM MPX./AM IF, LA1832 |
| IC381 | VHILC72131/-1 | J AP | PLL (Tuner),LC72131 |
| IC431 | VHILC75394E-1 | J AX | Audio Processor,LC75394E |
| IC501 | VHISR5250S-1 | J BL | SRS,SRS5250S [600X Only] |
| IC561,562 | VHILB1403N/-1 | J AG | Meter Driver,LB1403N |
| IC601 | VHILM1876TF-1 | J BD | Power Amp.,LM1876TF |
| IC701 | RH-IX0153AWZZ | J | System Microcomputer, IX0153AW |

TRANSISTORS

| | | | |
|----------|---------------|------|-----------------------------------|
| Q1 | VSKTA1266GR-1 | J AB | Silicon,PNP,KTA1266 GR |
| Q51,52 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M |
| Q81 | VSKTC3203Y/-1 | J AC | Silicon,NPN,KTC3203 Y |
| Q201,202 | VSKRC104M//1 | J AC | Digital,NPN,KRC104 M |
| Q203~206 | VSKTC3200GR-1 | J AC | Silicon,NPN,KTC3200 GR |
| Q207,208 | VSKTC3199GR-1 | J AB | Silicon,NPN,KTC3199 GR |
| Q209,210 | VSKRC104M//1 | J AC | Digital,NPN,KRC104 M |
| Q211,212 | VSKTC3199GR-1 | J AB | Silicon,NPN,KTC3199 GR |
| Q213 | VSKRC104M//1 | J AC | Digital,NPN,KRC104 M |
| Q255,256 | VSKTC3199GR-1 | J AB | Silicon,NPN,KTC3199 GR |
| Q272 | VSKTA1266GR-1 | J AB | Silicon,PNP,KTA1266 GR |
| Q273,274 | VSKRC104M//1 | J AC | Digital,NPN,KRC104 M |
| Q281 | VSKTC3203Y/-1 | J AC | Silicon,NPN,KTC3203 Y |
| Q282 | VSKTA1270Y/-1 | J AD | Silicon,PNP,KTA1270 Y |
| Q283 | VSKRC104M//1 | J AC | Digital,NPN,KRC104 M |
| Q302 | VSKTC3194Y/-1 | J AD | Silicon,NPN,KTC3194 Y |
| Q371,372 | VSKTC3199GR-1 | J AB | Digital,NPN,KTC3199 GR |
| Q381 | VSKTA1266GR-1 | J AB | Silicon,PNP,KTA1266 GR |
| Q481 | VSKTA1271Y/-1 | J AC | Silicon,PNP,KTA1271 Y |
| Q483 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M |
| Q501 | VSKTC3203Y/-1 | J AC | Silicon,NPN,KTC3203 Y [600X ONLY] |
| Q502 | VS2SK246GR/-1 | J AB | FET,2SK246 GR [600X Only] |
| Q504 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M [600X ONLY] |
| Q506 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M [600X ONLY] |
| Q641 | VSKTC3199GR-1 | J AB | Silicon,NPN,KTC3199 GR |
| Q701~704 | VSKTA1266GR-1 | J AB | Silicon,PNP,KTA1266 GR |
| Q705 | VS2SD468-C/-1 | J AD | Silicon,NPN,2SD468 C |
| Q706 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M |
| Q707 | VSKTA1266GR-1 | J AB | Silicon,PNP,KTA1266 GR |
| Q708 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M |
| Q709,710 | VSKTC3199GR-1 | J AB | Silicon,NPN,KTC3199 GR |
| Q711 | VSKTA1270Y/-1 | J AD | Silicon,PNP,KTA1270 Y |
| Q712 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M |
| Q713 | VSKTA1270Y/-1 | J AD | Silicon,PNP,KTA1270 Y |
| Q714~716 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M |
| Q717 | VSKTA1271Y/-1 | J AC | Silicon,PNP,KTA1271 Y |
| Q923~925 | VSKTD2058Y/-1 | J AF | Silicon,NPN,KTD2058 Y |
| Q926,927 | VSKTC3199GR-1 | J AB | Silicon,NPN,KTC3199 GR |
| Q930 | VSKRC102M//1 | J AC | Digital,NPN,KRC102 M [600X Only] |
| Q931 | VSKTA1271Y/-1 | J AC | Silicon,PNP,KTA1271 Y [600X Only] |

DIODES

| | | | |
|----------|---------------|------|-----------------------------|
| D2 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D7,8 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D301~303 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D331,332 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D351 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D431 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D432 | VHD1SS133//1 | J AA | Silicon,1SS133 [600XT Only] |
| D602,603 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D641,642 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D650,651 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D701~710 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| D901~904 | VHD1N5402M/-1 | J AE | Silicon,1N5402M |
| D905~908 | VHD10E4FD//1 | J AB | Silicon,10E4FD |

| NO. | PARTS CODE | ★ PRICE RANK | DESCRIPTION |
|------------|---------------|--------------|----------------------------------|
| D921 | VHD1SS133//1 | J AA | Silicon,1SS133 |
| LED561~568 | VHP5N4KTN52-1 | J AD | LED,Green,5N4KTN52 |
| LED569,570 | VHP333ITR4/-2 | J | LED,Red,333ITR4 |
| LED701~705 | VHP5N4GTN52-1 | J AD | LED,Green,5N4GTN52 |
| PH2 | VHPRPI574N/-1 | J AN | Photo Interrupter,RPi574N |
| PHM1 | VHPI31535CD-1 | J AG | Photo Interrupter |
| VD301,302 | VHCKDV147C/-1 | J AH | Variable Capacitance,KDV147C |
| VD331 | 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 |
| ZD701 | VHEMTZJ6R2C-1 | J AC | Zener,6.2V,MTZJ6.2C |
| ZD702 | VHEMTZJ3R9B-1 | J AC | Zener,3.9V,MTZJ3.9B |
| ZD921 | VHEMTZJ8R2A-1 | J AA | Zener,8.2V,MTZJ8.2A |
| ZD922 | VHEMTZJ130C-1 | J AB | Zener,13V,MTZJ13C |

FILTERS

| | | | |
|-------|----------------|------|----------------|
| BF301 | 92LFILTF1759AT | J AD | FM Antenna |
| CF302 | RFILF0124AFZZ | J AD | FM IF,10.7 MHz |
| CF351 | RFILA0008AWZZ | J AE | AM IF |
| CF352 | RFILF0003AWZZ | J AK | FM Detection |

TRANSFORMERS

| | | | |
|--------|---------------|------|---------------|
| T301 | RCIL10007AWZZ | J AD | FM IF |
| T331 | RCILA1064AFZZ | J AD | AM Antenna |
| T333 | RCILB1074AFZZ | J AC | AM OSC |
| T351 | RCIL10011AWZZ | J AD | AM IF |
| △ T901 | RTRNP0067AWZZ | J BE | Power [600X] |
| △ T901 | RTRNP0098AWZZ | J | Power [600XT] |

COILS

| | | | |
|----------|---------------|------|----------------------------|
| L1 | VP-XHR82K0000 | J AC | 0.82 μH,Choke |
| L51~54 | VP-CH270K0000 | J AB | 27 μH,Choke |
| L201,202 | VP-MK182K0000 | J AC | 1.8 mH,Choke |
| L281 | VP-CH102K0000 | J AB | 1 mH,Choke |
| L282 | VP-CH331K0000 | J AB | 330 μH,Choke |
| L302 | RCILR0029AWZZ | J AA | FM RF |
| L303 | RCILB0046AWZZ | J AF | FM OSC |
| L351 | VP-DH102K0000 | J AB | 1 mH,Choke |
| L355 | VP-DH101K0000 | J AB | 100 μH,Choke |
| L381 | VP-DH101K0000 | J AB | 100 μH,Choke |
| L421 | VP-XHR82K0000 | J AC | 0.82 μH,Choke [600XT Only] |
| L563 | VP-CH331K0000 | J AB | 330 μH,Choke |
| L700 | VP-XH2R2K0000 | J AB | 2.2 μH,Choke |

VARIABLE RESISTORS

| | | | |
|-------|---------------|------|-------------------------------------|
| VR351 | 92LVRS103NBMT | J | 10 kohm (B),Semi-VR [FM Mute Level] |
| VRM1 | RVR-M0556AFZZ | J AB | 3.3 kohms (B),Semi-VR [Tape Speed] |

VIBRATORS

| | | | |
|-------|---------------|------|--------------------|
| X351 | 92LCRSTL1425A | J AF | Crystal,456 kHz |
| X381 | 92LCRSTL1587B | J AK | Crystal,4.5 MHz |
| XL1 | RCRM-0008AWZZ | J AF | Ceramic,16.93 MHz |
| XL701 | RCRM-0147AFZZ | J AD | Ceramic,4.19 MHz |
| XL702 | RCRSP0051AFZZ | J AK | Crystal,32.768 kHz |

CAPACITORS

| | | | |
|--------|---------------|------|-----------------------------------|
| C1 | VCTYMN1CY103K | J AA | 0.01 μF,16V |
| C1B,2B | RC-EZ0005AWZZ | J AC | 4.7 μF,25V,Electrolytic Non-Polar |
| C2 | RC-GZA476AF1A | J AB | 47 μF,10V,Electrolytic |
| C3 | RC-GZA104AF1H | J AB | 0.1 μF,50V,Electrolytic |
| C4 | VCKYMN1HB102K | J AA | 0.001 μF,50V |
| C5,6 | VCTYPA1CX333K | J AA | 0.033 μF,16V |
| C7 | RC-GZA104AF1H | J AB | 0.1 μF,50V,Electrolytic |
| C8 | VCTYPA1CX683K | J AA | 0.068 μF,16V |
| C9 | VCTYPA1CX473K | J AA | 0.047 μF,16V |
| C10 | VCKYMN1HB181K | J AA | 180 pF,50V |
| C11 | VCTYPA1CX104K | J AB | 0.1 μF,16V |
| C12 | VCKYMN1HB331K | J AA | 330 pF,50V |
| C13 | VCTYPA1CX104K | J AB | 0.1 μF,16V |
| C14 | VCTYMN1CY103K | J AA | 0.01 μF,16V |
| C15 | VCTYMN1CX472K | J AA | 0.0047 μF,16V |
| C16 | VCKYMN1HB102K | J AA | 0.001 μF,50V |

| NO. | PART CODE | ★ | PRICE RANK | DESCRIPTION | NO. | PARTS CODE | ★ | PRICE RANK | DESCRIPTION |
|----------|---------------|---|------------|--------------------------|----------|---------------|---|------------|--------------------------------------|
| C17 | RC-GZA474AF1H | J | AA | 0.47 μF,50V,Electrolytic | C340 | VCKYMN1HB471K | J | AA | 470 pF,50V |
| C18 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic | C342 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V |
| C19 | RC-GZA476AF1A | J | AB | 47 μF,10V,Electrolytic | C344 | VCCUMN1HJ8R2D | J | AA | 8.2 pF (UJ),50V |
| C20 | VCTYMN1CX332K | J | AA | 0.0033 μF,16V | C350 | RC-GZA106AF1C | J | AB | 10 μF,16V,Electrolytic |
| C21 | RC-GZA474AF1H | J | AA | 0.47 μF,50V,Electrolytic | C351,352 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V |
| C22 | VCTYMN1CY103K | J | AA | 0.01 μF,16V | C353 | RC-GZA335AF1H | J | AB | 3.3 μF,50V,Electrolytic |
| C24 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic | C354,355 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V |
| C25 | VCTYMN1CY103K | J | AA | 0.01 μF,16V | C356 | RC-GZA226AF1C | J | AB | 22 μF,16V,Electrolytic |
| C29 | VCKYPA1HB221K | J | AA | 220 pF,50V | C357 | VCTYPA1CX223K | J | AA | 0.022 μF,16V |
| C31 | VCTYPA1EX272K | J | AA | 0.0027 μF,25V | C358 | VCKYMN1HB102K | J | AA | 0.001 μF,50V |
| C32 | VCCSMN1HL150J | J | AA | 15 pF,50V | C359 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C33 | VCKYMN1HB102K | J | AA | 0.001 μF,50V | C360 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V |
| C34 | VCTYPA1CX333K | J | AA | 0.033 μF,16V | C362 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V |
| C35 | RC-GZA104AF1H | J | AB | 0.1 μF,50V,Electrolytic | C363 | RC-GZA107AF0J | J | AB | 100 μF,6.3V,Electrolytic |
| C37 | RC-GZA107AF1A | J | AB | 100 μF,10V,Electrolytic | C364 | VCCSMN1HL220J | J | AA | 22 pF,50V |
| C38 | VCTYMN1CY103K | J | AA | 0.01 μF,16V | C365 | VCKYMN1HB102K | J | AA | 0.001 μF,50V |
| C39 | RC-GZA474AF1H | J | AA | 0.47 μF,50V,Electrolytic | C366 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C40 | RC-GZA334AF1H | J | AA | 0.33 μF,50V,Electrolytic | C367 | RC-GZA225AF1H | J | AB | 2.2 μF,50V,Electrolytic |
| C41,42 | VCTYPA1CX473K | J | AA | 0.047 μF,16V | C368,369 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C43 | RC-GZA227AF1A | J | AB | 220 μF,10V,Electrolytic | C370 | RC-GZA107AF1A | J | AB | 100 μF,10V,Electrolytic |
| C45 | RC-GZA475AF1E | J | AB | 4.7 μF,25V,Electrolytic | C371,372 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V |
| C48 | RC-GZA477AF1A | J | AC | 470 μF,10V,Electrolytic | C373 | RC-GZA335AF1H | J | AB | 3.3 μF,50V,Electrolytic |
| C49,50 | VCTYPA1CX104K | J | AB | 0.1 μF,16V | C374 | VCTYPA1EX223K | J | AA | 0.022 μF,25V |
| C52 | RC-GZA107AF1A | J | AB | 100 μF,10V,Electrolytic | C375,376 | VCTYPA1CX183K | J | AA | 0.018 μF,16V |
| C54-57 | VCKYMN1HB101K | J | AA | 100 pF,50V | C377,378 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C60-62 | VCKYBT1HB102K | J | AA | 0.001 μF,50V | C381 | RC-GZA476AF1C | J | AB | 47 μF,16V,Electrolytic |
| C63 | VCKYBT1HB102K | J | AA | 0.001 μF,50V | C383,384 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V |
| C67,68 | RC-GZA106AF1C | J | AB | 10 μF,16V,Electrolytic | C385 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C69,70 | VCKYMN1HB221K | J | AA | 220 pF,50V | C386 | RC-GZA476AF1C | J | AB | 47 μF,16V,Electrolytic |
| C81 | RC-GZA227AF1A | J | AB | 220 μF,10V,Electrolytic | C387 | VCTYMN1CY103M | J | AA | 0.01 μF,16V |
| C91,92 | RC-GZA107AF1C | J | AB | 100 μF,16V,Electrolytic | C388 | VCKYMN1HB102K | J | AA | 0.001 μF,50V |
| C201,202 | VCKYMN1HB471K | J | AA | 470 pF,50V | C389 | VCKYMN1HB331K | J | AA | 330 pF,50V |
| C203,204 | VCKYMN1HB181K | J | AA | 180 pF,50V | C390 | VCCCMN1HH120J | J | AA | 12 pF (CH),50V |
| C205,206 | VCKYMN1HB561K | J | AA | 560 pF,50V | C391 | VCCCMN1HH150J | J | AA | 15 pF (CH),50V |
| C207,208 | VCKYMN1HB102K | J | AA | 0.001 μF,50V | C392 | VCKYMN1HB102K | J | AA | 0.001 μF,50V |
| C209-212 | VCKYMN1HB331K | J | AA | 330 pF,50V | C396 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C213,214 | RC-GZA476AF1A | J | AB | 47 μF,10V,Electrolytic | C401,402 | VCKYMN1HB331K | J | AA | 330 pF,50V |
| C215,216 | VCTYPA1CX333K | J | AA | 0.033 μF,16V | C421 | VCKYMN1HB101K | J | AA | 100 pF,50V [600XT] |
| C217,218 | VCKYMN1HB561K | J | AA | 560 pF,50V | C421 | VCKYMN1HB271K | J | AA | 270 pF,50V [600X] |
| C219,220 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic | C422 | VCKYMN1HB271K | J | AA | 270 pF,50V [600X Only] |
| C221,222 | VCTYPA1EX103K | J | AA | 0.01 μF,25V | C423 | VCKYMN1HB471K | J | AA | 470 pF,50V [600XT Only] |
| C223,224 | VCKYMN1HB471K | J | AA | 470 pF,50V | C431-438 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C225,226 | VCKYMN1HB102K | J | AA | 0.001 μF,50V | C439,440 | RC-GZA226AF1C | J | AB | 22 μF,16V,Electrolytic |
| C227,228 | RC-GZA226AF1C | J | AB | 22 μF,16V,Electrolytic | C441,442 | VCKYMN1HB181K | J | AA | 180 pF,50V |
| C229-232 | VCTYPA1CX273K | J | AA | 0.027 μF,16V | C443,444 | RC-GZA474AF1H | J | AA | 0.47 μF,50V,Electrolytic |
| C233,234 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic | C445,446 | VCTYPA1CX563K | J | AB | 0.056 μF,16V |
| C235,236 | VCTYMN1CX332K | J | AA | 0.0033 μF,16V | C447,448 | RC-GZA224AF1H | J | AA | 0.22 μF,50V,Electrolytic |
| C237,238 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V | C449,450 | VCTYPA1CX103K | J | AA | 0.01 μF,16V |
| C241 | VCTYPA1CX823K | J | AB | 0.082 μF,16V | C451,452 | RC-GZA105AF1H | J | AB | 1 μF,50V,Electrolytic |
| C242 | VCKZPA1HF473Z | J | AA | 0.047 μF,50V | C453,454 | VCTYPA1CX473K | J | AA | 0.047 μF,16V |
| C243 | RC-GZA226AF1C | J | AB | 22 μF,16V,Electrolytic | C455,456 | VCTYPA1CX563K | J | AB | 0.056 μF,16V |
| C245 | RC-GZA227AF1A | J | AB | 220 μF,10V,Electrolytic | C457,458 | VCTYPA1EX222K | J | AA | 0.0022 μF,25V |
| C247 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V | C459,460 | VCTYMN1CX272K | J | AA | 0.0027 μF,16V |
| C251 | RC-GZA335AF1E | J | AB | 3.3 μF,25V,Electrolytic | C461,462 | RC-GZA107AF1A | J | AB | 100 μF,10V,Electrolytic |
| C252 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V | C463,464 | VCKYMN1HB101K | J | AA | 100 pF,50V |
| C253 | RC-GZA226AF1C | J | AB | 22 μF,16V,Electrolytic | C465-468 | RC-GZA106AF1C | J | AB | 10 μF,16V,Electrolytic |
| C281 | RC-QZA273AFYK | J | AB | 0.027 μF,50V,Mylar | C471 | VCKZPA1HF223Z | J | AA | 0.022 μF,50V [600X Only] |
| C282 | RC-QZA392AFYJ | J | AB | 0.0039 μF,50V,Mylar | C475 | RC-GZA107AF1A | J | AB | 100 μF,10V,Electrolytic |
| C283 | RC-GZA476AF1C | J | AB | 47 μF,16V,Electrolytic | C476 | RC-GZA227AF1C | J | AB | 220 μF,16V,Electrolytic |
| C284 | RC-GZA227AF1C | J | AB | 220 μF,16V,Electrolytic | C477,478 | VCKYMN1HB221K | J | AA | 220 pF,50V |
| C301 | VCKYMN1HB102K | J | AA | 0.001 μF,50V | C481,482 | RC-GZA225AF1H | J | AB | 2.2 μF,50V,Electrolytic |
| C312 | VCCSMN1HL180J | J | AA | 18 pF,50V | C483 | VCKZPA1HF103Z | J | AA | 0.01 μF,50V |
| C313 | VCTYMN1CX472K | J | AA | 0.0047 μF,16V | C501,502 | RC-GZA225AF1H | J | AB | 2.2 μF,50V,Electrolytic [600X Only] |
| C314 | VCCUMN1HJ6R8D | J | AB | 6.8 pF (UJ),50V | C503 | VCKYPA1HB102K | J | AA | 0.001 μF,50V [600X Only] |
| C315 | VCTYMN1CY103M | J | AA | 0.01 μF,16V | C504 | RC-GZA107AF1C | J | AB | 100 μF,16V,Electrolytic [600X Only] |
| C316 | VCTYMN1CX472K | J | AA | 0.0047 μF,16V | C505,506 | VCKYPA1HB102K | J | AA | 0.001 μF,50V [600X Only] |
| C317 | VCCSMN1HL4R7C | J | AA | 4.7 pF,50V | C521 | VCKYPA1HF223Z | J | AB | 0.022 μF,50V [600X Only] |
| C318 | VCKYMN1HB102K | J | AA | 0.001 μF,50V | C523 | RC-GZA107AF1C | J | AB | 100 μF,16V,Electrolytic [600X Only] |
| C319 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V | C524 | RC-GZA474AF1H | J | AA | 0.47 μF,50V,Electrolytic [600X Only] |
| C320 | VCKYMN1HB102K | J | AA | 0.001 μF,50V | C525 | RC-QZA472AFYJ | J | AA | 0.0047 μF,50V,Mylar [600X Only] |
| C321 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V | C541 | RC-QZA224AFYJ | J | AB | 0.22 μF,50V,Mylar [600X Only] |
| C322 | VCCCMN1HH150J | J | AA | 15 pF (CH),50V | C542 | RC-QZA683AFYJ | J | AB | 0.068 μF,50V,Mylar [600X Only] |
| C323 | VCCSMN1HL330J | J | AA | 33 pF,50V | C543 | RC-QZA223AFYJ | J | AB | 0.022 μF,50V,Mylar [600X Only] |
| C324 | VCCUMN1HJ3R3K | J | AB | 3.3 pF (UJ),50V | C544 | RC-QZA682AFYJ | J | AA | 0.0068 μF,50V,Mylar [600X Only] |
| C325 | VCCCMN1HH220J | J | AA | 22 pF (CH),50V | C545 | RC-QZA182AFYJ | J | AB | 0.0018 μF,50V,Mylar [600X Only] |
| C326 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V | | | | | |
| C327 | VCKYMN1HB101K | J | AA | 100 pF,50V | | | | | |
| C328 | RC-GZA106AF1C | J | AB | 10 μF,16V,Electrolytic | | | | | |
| C331,332 | VCTYMN1EF223Z | J | AA | 0.022 μF,25V | | | | | |
| C336 | VCCUMN1HJ180J | J | AA | 18 pF (UJ),50V | | | | | |
| C337 | VCCCMN1HH180J | J | AA | 18 pF (CH),50V | | | | | |
| C339 | VCKZPA1HF473Z | J | AA | 0.047 μF,50V | | | | | |

CMS-R600X/R600XT

| NO. | PART CODE | ★ PRICE RANK | DESCRIPTION | NO. | PARTS CODE | ★ PRICE RANK | DESCRIPTION |
|----------|---------------|--------------|--------------------------------------|----------|---------------|--------------|-----------------------|
| C546 | VCCSPA1HL391J | J AA | 390 pF,50V [600X Only] | R35 | VRD-MN2BD471J | J AA | 470 ohms,1/8W |
| C547 | RC-GZA334AF1H | J AA | 0.33 μF,50V,Electrolytic [600X Only] | R36,37 | VRD-MN2BD473J | J AA | 47 kohms,1/8W |
| C549~552 | RC-GZA474AF1H | J AA | 0.47 μF,50V,Electrolytic [600X Only] | R38 | VRD-MN2BD333J | J AA | 33 kohms,1/8W |
| C553,554 | RC-QZA224AFYJ | J AB | 0.22 μF,50V,Mylar [[600X Only] | R39,40 | VRD-MN2BD223J | J AA | 22 kohms,1/8W |
| C556 | RC-GZA107AF1C | J AB | 100 μF,16V,Electrolytic [600X Only] | R41 | VRD-MN2BD472J | J AA | 4.7 kohms,1/8W |
| C557,558 | RC-GZA225AF1H | J AB | 2.2 μF,50V,Electrolytic [600X Only] | R42 | VRD-MN2BD561J | J AA | 560 ohms,1/8W |
| C561,562 | RC-GZA224AF1H | J AA | 0.22 μF,50V,Electrolytic | R43 | VRD-MN2BD220J | J AA | 22 ohms,1/8W |
| C565,566 | VCKYPA1HB102K | J AA | 0.001 μF,50V | R49 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| C567,568 | RC-GZA106AF1C | J AB | 10 μF,16V,Electrolytic | R56 | VRD-MN2BD122J | J AA | 1.2 kohms,1/8W |
| C569 | RC-GZA337AF1C | J AC | 330 μF,16V,Electrolytic | R57 | VRD-MN2BD273J | J AA | 27 kohms,1/8W |
| C571 | VCKYPA1HB102K | J AA | 0.001 μF,50V [600X Only] | R58 | VRD-MN2BD681J | J AA | 680 ohms,1/8W |
| C601,602 | VCKYMN1HB102K | J AA | 0.001 μF,50V | R59 | VRD-MN2BD151J | J AA | 150 ohms,1/8W |
| C603,604 | RC-QZA104AFYK | J AB | 0.1 μF,50V,Mylar | R60 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| C605,606 | VCKYMN1HB471K | J AA | 470 pF,50V | R62 | VRD-MN2BD225J | J AA | 2.2 Mohms,1/8W |
| C607,608 | RC-GZA107AF1V | J AB | 100 μF,35V,Electrolytic | R73,74 | VRD-MN2BD101J | J AA | 100 ohm,1/8W |
| C609~612 | RC-QZA224AFYK | J AB | 0.22 μF,50V,Mylar | R75,76 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| C621,622 | VCCSMN1HL390J | J AA | 39 pF,50V | R81 | VRD-MN2BD221J | J AA | 220 ohms,1/8W |
| C634 | RC-QZA104AFYK | J AB | 0.1 μF,50V,Mylar | R82 | VRD-MN2BD101J | J AA | 100 ohm,1/8W |
| C635 | VCTYMN1EF223Z | J AA | 0.022 μF,25V | R86~88 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| C637 | RC-QZA104AFYK | J AB | 0.1 μF,50V,Mylar | R89 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| C639 | VCTYMN1EF223Z | J AA | 0.022 μF,25V | R91 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| C643 | RC-GZA225AF1H | J AB | 2.2 μF,50V,Electrolytic | R92 | VRD-MN2BD123J | J AA | 12 kohms,1/8W |
| C644 | RC-GZA336AF1C | J AB | 33 μF,16V,Electrolytic | R93,94 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| C652 | VCKZPA1HF103Z | J AA | 0.01 μF,50V | △ R95,96 | VRG-ST2EG3R9J | J AB | 3.9 ohms,1/4W,Fusible |
| C702 | RC-GZA476AF1C | J AB | 47 μF,16V,Electrolytic | R97 | VRD-MN2BD682J | J AA | 6.8 kohms,1/8W |
| C703 | VCTYPA1CX103K | J AA | 0.01 μF,16V | R98 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| C704 | VCKZPA1HF223Z | J AA | 0.022 μF,50V | R99,100 | VRD-MN2BD123J | J AA | 12 kohms,1/8W |
| C705 | RC-GZA476AF1C | J AB | 47 μF,16V,Electrolytic | R201,202 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| C706 | RC-GZA335AF1H | J AB | 3.3 μF,50V,Electrolytic | R205,206 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W |
| C707,708 | VCTYPA1CX103K | J AA | 0.01 μF,16V | R207,208 | VRD-MN2BD682J | J AA | 6.8 kohms,1/8W |
| C709 | RC-GZA108AF0J | J AC | 1000 μF,6.3V,Electrolytic | R209,210 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| C710 | RC-GZA476AF1C | J AB | 47 μF,16V,Electrolytic | R211,212 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| C712 | RC-GZA476AF1C | J AB | 47 μF,16V,Electrolytic | R213,214 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| C713 | VCTYPA1CX103K | J AA | 0.01 μF,16V | R215,216 | VRD-ST2CD560J | J AA | 56 ohms,1/6W |
| C714 | VCTYBT1EF223Z | J AA | 0.022 μF,25V | R217,218 | VRD-MN2BD104J | J AA | 100 kohm,1/8W |
| C715 | VCCSPA1HL330J | J AA | 33 pF,50V | R219,220 | VRD-MN2BD392J | J AA | 3.9 kohms,1/8W |
| C716 | VCCCPA1HH120J | J AA | 12 pF (CH),50V | R221,222 | VRD-MN2BD562J | J AA | 5.6 kohms,1/8W |
| C901,902 | RC-GZW228AF1V | J AF | 2200 μF,35V,Electrolytic | R223,224 | VRD-MN2BD333J | J AA | 33 kohms,1/8W |
| C903 | RC-GZW338AF1E | J AG | 3300 μF,25V,Electrolytic | R225 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| C904,905 | RC-QZA224AFYK | J AB | 0.22 μF,50V,Mylar | R226 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| C906,907 | RC-QZA473AFYK | J AB | 0.047 μF,50V,Mylar | R227,228 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W |
| C921~923 | VCKZPA1HF223Z | J AA | 0.022 μF,50V | R229,230 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |
| C924 | RC-GZA476AF1A | J AB | 47 μF,10V,Electrolytic | R231,232 | VRD-MN2BD561J | J AA | 560 ohms,1/8W |
| C925,926 | RC-GZA476AF1C | J AB | 47 μF,16V,Electrolytic | R233,234 | VRD-MN2BD101J | J AA | 100 ohm,1/8W |
| C927 | RC-GZA106AF1C | J AB | 10 μF,16V,Electrolytic | R235 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |

RESISTORS

| | | | |
|----------|---------------|------|-------------------------------|
| R1 | VRD-MN2BD000C | J AA | 0 ohm,Jumper,ø1.4×3.5mm,Ivory |
| R2 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R3 | VRD-MN2BD104J | J AA | 100 kohm,1/8W |
| R4 | VRD-MN2BD153J | J AA | 15 kohms,1/8W |
| R5 | VRD-MN2BD222J | J AA | 2.2 kohms,1/8W |
| R6 | VRD-MN2BD682J | J AA | 6.8 kohms,1/8W |
| R7 | VRD-MN2BD101J | J AA | 100 ohm,1/8W |
| R8 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R9 | VRD-MN2BD123J | J AA | 12 kohms,1/8W |
| R10 | VRD-MN2BD273J | J AA | 27 kohms,1/8W |
| R11 | VRD-MN2BD823J | J AA | 82 kohms,1/8W |
| R12 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W |
| R13 | VRD-MN2BD153J | J AA | 15 kohms,1/8W |
| R14 | VRD-MN2BD333J | J AA | 33 kohms,1/8W |
| R15 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R16 | VRD-MN2BD473J | J AA | 47 kohms,1/8W |
| R17 | VRD-MN2BD152J | J AA | 1.5 kohms,1/8W |
| R18 | VRD-MN2BD823J | J AA | 82 kohms,1/8W |
| R19 | VRD-MN2BD393J | J AA | 39 kohms,1/8W |
| R20 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R21 | VRD-MN2BD563J | J AA | 56 kohms,1/8W |
| R22 | VRD-MN2BD682J | J AA | 6.8 kohms,1/8W |
| R23 | VRD-MN2BD122J | J AA | 1.2 kohms,1/8W |
| R24 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R25 | VRD-MN2BD122J | J AA | 1.2 kohms,1/8W |
| R26,27 | VRD-MN2BD334J | J AA | 330 kohms,1/8W |
| R28,29 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R30 | VRD-MN2BD563J | J AA | 56 kohms,1/8W |
| R31 | VRD-MN2BD562J | J AA | 5.6 kohms,1/8W |
| R32 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R33 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R34 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R35 | VRD-MN2BD471J | J AA | 470 ohms,1/8W |
| R36,37 | VRD-MN2BD473J | J AA | 47 kohms,1/8W |
| R38 | VRD-MN2BD333J | J AA | 33 kohms,1/8W |
| R39,40 | VRD-MN2BD223J | J AA | 22 kohms,1/8W |
| R41 | VRD-MN2BD472J | J AA | 4.7 kohms,1/8W |
| R42 | VRD-MN2BD561J | J AA | 560 ohms,1/8W |
| R43 | VRD-MN2BD220J | J AA | 22 ohms,1/8W |
| R49 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R56 | VRD-MN2BD122J | J AA | 1.2 kohms,1/8W |
| R57 | VRD-MN2BD273J | J AA | 27 kohms,1/8W |
| R58 | VRD-MN2BD681J | J AA | 680 ohms,1/8W |
| R59 | VRD-MN2BD151J | J AA | 150 ohms,1/8W |
| R60 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R62 | VRD-MN2BD225J | J AA | 2.2 Mohms,1/8W |
| R73,74 | VRD-MN2BD101J | J AA | 100 ohm,1/8W |
| R75,76 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R81 | VRD-MN2BD221J | J AA | 220 ohms,1/8W |
| R82 | VRD-MN2BD101J | J AA | 100 ohm,1/8W |
| R86~88 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R89 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R91 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R92 | VRD-MN2BD123J | J AA | 12 kohms,1/8W |
| R93,94 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| △ R95,96 | VRG-ST2EG3R9J | J AB | 3.9 ohms,1/4W,Fusible |
| R97 | VRD-MN2BD682J | J AA | 6.8 kohms,1/8W |
| R98 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R99,100 | VRD-MN2BD123J | J AA | 12 kohms,1/8W |
| R201,202 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R205,206 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W |
| R207,208 | VRD-MN2BD682J | J AA | 6.8 kohms,1/8W |
| R209,210 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R211,212 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R213,214 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R215,216 | VRD-ST2CD560J | J AA | 56 ohms,1/6W |
| R217,218 | VRD-MN2BD104J | J AA | 100 kohm,1/8W |
| R219,220 | VRD-MN2BD392J | J AA | 3.9 kohms,1/8W |
| R221,222 | VRD-MN2BD562J | J AA | 5.6 kohms,1/8W |
| R223,224 | VRD-MN2BD333J | J AA | 33 kohms,1/8W |
| R225 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R226 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R227,228 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W |
| R229,230 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |
| R231,232 | VRD-MN2BD561J | J AA | 560 ohms,1/8W |
| R233,234 | VRD-MN2BD101J | J AA | 100 ohm,1/8W |
| R235 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R236~238 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R239 | VRD-MN2BD562J | J AA | 5.6 kohms,1/8W |
| R240 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R241 | VRD-MN2BD683J | J AA | 68 kohms,1/8W |
| R242 | VRD-ST2CD223J | J AA | 22 kohms,1/6W |
| R244~246 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R248 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R249 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R251 | VRD-ST2EE471J | J AA | 470 ohms,1/4W |
| R253 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R254 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R255 | VRD-ST2CD104J | J AA | 100 kohm,1/6W |
| R256 | VRD-MN2BD104J | J AA | 100 kohm,1/8W |
| R271,272 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R274 | VRD-MN2BD472J | J AA | 4.7 kohms,1/8W |
| R275~277 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R281 | VRD-MN2BD473J | J AA | 47 kohms,1/8W |
| R282 | VRD-MN2BD104J | J AA | 100 kohm,1/8W |
| R283 | VRD-MN2BD120J | J AA | 12 ohms,1/8W |
| R284,285 | VRD-MN2BD472J | J AA | 4.7 kohms,1/8W |
| R286 | VRD-MN2BD102J | J AA | 1 kohm,1/8W |
| R287 | VRD-RT2HD151J | J AA | 150 ohms,1/2W |
| R288 | VRD-ST2EE221J | J AA | 220 ohms,1/4W |
| R311 | VRD-MN2BD104J | J AA | 100 kohm,1/8W |
| R312 | VRD-ST2CD220J | J AA | 22 ohms,1/6W |
| R313 | VRD-MN2BD333J | J AA | 33 kohms,1/8W |
| R314 | VRD-MN2BD100J | J AA | 10 ohm,1/8W |
| R315 | VRD-ST2CD473J | J AA | 47 kohms,1/6W |
| R316 | VRD-ST2CD470J | J AA | 47 ohms,1/6W |
| R317 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R318 | VRD-ST2CD681J | J AA | 680 ohms,1/6W |
| R319 | VRD-ST2CD472J | J AA | 4.7 kohms,1/6W |
| R320 | VRD-ST2EE821J | J AA | 820 ohms,1/4W |
| R331 | VRD-MN2BD683J | J AA | 68 kohms,1/8W |
| R333,334 | VRD-MN2BD104J | J AA | 100 kohm,1/8W |
| R339 | VRD-ST2CD472J | J AA | 4.7 kohms,1/6W |
| R351 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |

| NO. | PART CODE | ★ PRICE RANK | DESCRIPTION | NO. | PARTS CODE | ★ PRICE RANK | DESCRIPTION |
|----------|---------------|--------------|----------------------------|----------|---------------|--------------|-----------------------|
| R352 | VRD-MN2BD562J | J AA | 5.6 kohms,1/8W | R609,610 | VRD-MN2BD221J | J AA | 220 ohms,1/8W [600XT] |
| R353 | VRD-MN2BD272J | J AA | 2.7 kohms,1/8W | R611,612 | VRD-MN2BD223J | J AA | 22 kohms,1/8W |
| R354 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W | R613,614 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R355 | VRD-MN2BD271J | J AA | 270 ohms,1/8W | R615,616 | VRD-ST2EE1R0J | J AA | 1 ohm,1/4W |
| R356 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | R629,630 | VRD-RT2HD331J | J AA | 330 ohms,1/2W |
| R357 | VRD-ST2CD332J | J AA | 3.3 kohms,1/6W | R641,642 | VRD-MN2BD103J | J AA | 10 kohm,1/8W |
| R358 | VRD-ST2CD563J | J AA | 56 kohms,1/6W | R643 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R359 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W | R644 | VRD-MN2BD393J | J AA | 39 kohms,1/8W |
| R360 | VRD-MN2BD182J | J AA | 1.8 kohms,1/8W | R645,646 | VRD-MN2BD562J | J AA | 5.6 kohms,1/8W |
| R361 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | R650 | VRD-MN2BD154J | J AA | 150 kohms,1/8W |
| R362 | VRD-MN2BD333J | J AA | 33 kohms,1/8W | R701~704 | VRD-ST2CD223J | J AA | 22 kohms,1/6W |
| R363,364 | VRD-MN2BD562J | J AA | 5.6 kohms,1/8W | R705 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R365,366 | VRD-ST2EE391J | J AA | 390 ohms,1/4W | R706~709 | VRD-ST2CD221J | J AA | 220 ohms,1/6W |
| R374 | VRD-MN2BD103J | J AA | 10 kohm,1/8W | R710,711 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R375,376 | VRD-ST2CD332J | J AA | 3.3 kohms,1/6W | R712,713 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R377,378 | VRD-ST2CD272J | J AA | 2.7 kohms,1/6W | R714 | VRD-ST2CD123J | J AA | 12 kohms,1/6W |
| R379 | VRD-MN2BD103J | J AA | 10 kohm,1/8W | R715 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |
| R381 | VRD-MN2BD473J | J AA | 47 kohms,1/8W | R716 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W |
| R382 | VRD-MN2BD103J | J AA | 10 kohm,1/8W | R717 | VRD-ST2CD272J | J AA | 2.7 kohms,1/6W |
| R383 | VRD-ST2CD562J | J AA | 5.6 kohms,1/6W | R718 | VRD-ST2CD182J | J AA | 1.8 kohms,1/6W |
| R384 | VRD-MN2BD123J | J AA | 12 kohms,1/8W | R719 | VRD-ST2CD152J | J AA | 1.5 kohms,1/6W |
| R386 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | R721,722 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R387 | VRD-ST2EE151J | J AA | 150 ohms,1/4W | R723 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R388 | VRD-MN2BD152J | J AA | 1.5 kohms,1/8W | R724~727 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R389 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | R728 | VRD-ST2CD393J | J AA | 39 kohms,1/6W |
| R390 | VRD-ST2CD222J | J AA | 2.2 kohms,1/6W | R729 | VRD-ST2CD123J | J AA | 12 kohms,1/6W |
| R391 | VRD-MN2BD472J | J AA | 4.7 kohms,1/8W | R730 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |
| R392 | VRD-ST2CD102J | J AA | 1 kohm,1/6W | R731 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W |
| R393~396 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | R732 | VRD-ST2CD272J | J AA | 2.7 kohms,1/6W |
| R399 | VRD-MN2BD103J | J AA | 10 kohm,1/8W | R733 | VRD-ST2CD182J | J AA | 1.8 kohms,1/6W |
| R401,402 | VRD-MN2BD224J | J AA | 220 kohms,1/8W [600X Only] | R734 | VRD-ST2CD152J | J AA | 1.5 kohms,1/6W |
| R403,404 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W | R735 | VRD-ST2CD104J | J AA | 100 kohm,1/6W |
| R421,422 | VRD-MN2BD473J | J AA | 47 kohms,1/8W | R736 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R425 | VRD-MN2BD561J | J AA | 560 ohms,1/8W [600X Only] | R737 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R426 | VRD-ST2CD561J | J AA | 560 ohms,1/6W [600X Only] | R738 | VRD-ST2CD472J | J AA | 4.7 kohms,1/6W |
| R431 | VRD-ST2CD102J | J AA | 1 kohm,1/6W | R739 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R432~434 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | R740 | VRD-ST2CD472J | J AA | 4.7 kohms,1/6W |
| R435 | VRD-ST2CD102J | J AA | 1 kohm,1/6W | R741 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R436~438 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | R742 | VRD-ST2CD472J | J AA | 4.7 kohms,1/6W |
| R439 | VRD-ST2CD473J | J AA | 47 kohms,1/6W [600X Only] | R743 | VRD-ST2CD393J | J AA | 39 kohms,1/6W |
| R440~446 | VRD-MN2BD473J | J AA | 47 kohms,1/8W [600X Only] | R744 | VRD-ST2CD123J | J AA | 12 kohms,1/6W |
| R447,448 | VRD-MN2BD332J | J AA | 3.3 kohms,1/8W | R745 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |
| R449,450 | VRD-MN2BD123J | J AA | 12 kohms,1/8W [600XT] | R746 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W |
| R449,450 | VRD-MN2BD153J | J AA | 15 kohms,1/8W [600X] | R747 | VRD-ST2CD272J | J AA | 2.7 kohms,1/6W |
| R451,452 | VRD-ST2CD102J | J AA | 1 kohm,1/6W | R748 | VRD-ST2CD182J | J AA | 1.8 kohms,1/6W |
| R453,454 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | R749 | VRD-ST2CD152J | J AA | 1.5 kohms,1/6W |
| R460~462 | VRD-ST2CD102J | J AA | 1 kohm,1/6W | R750 | VRD-ST2CD472J | J AA | 4.7 kohms,1/6W |
| R481 | VRD-MN2BD222J | J AA | 2.2 kohms,1/8W | R751~755 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R483 | VRD-MN2BD222J | J AA | 2.2 kohms,1/8W | R757 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R487,488 | VRD-MN2BD153J | J AA | 15 kohms,1/8W | R758 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R489,490 | VRD-MN2BD272J | J AA | 2.7 kohms,1/8W | R760,761 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R499 | VRD-ST2CD273J | J AA | 27 kohms,1/6W [600X Only] | R762 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R501,502 | VRD-ST2CD102J | J AA | 1 kohm,1/6W [600X Only] | R763 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R509 | VRD-ST2CD222J | J AA | 2.2 kohms,1/6W [600X Only] | R765 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R515,516 | VRD-ST2CD102J | J AA | 1 kohm,1/6W [600X Only] | R767 | VRD-ST2CD393J | J AA | 39 kohms,1/6W |
| R531 | VRD-ST2CD102J | J AA | 1 kohm,1/6W [600X Only] | R768 | VRD-ST2CD183J | J AA | 18 kohms,1/6W |
| R533 | VRD-ST2CD102J | J AA | 1 kohm,1/6W [600X Only] | R770 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W |
| R541 | VRD-ST2CD333J | J AA | 33 kohms,1/6W [600X Only] | R771 | VRD-ST2CD272J | J AA | 2.7 kohms,1/6W |
| R542 | VRD-ST2CD104J | J AA | 100 kohm,1/6W [600X Only] | R772 | VRD-ST2CD332J | J AA | 3.3 kohms,1/6W |
| R543 | VRD-ST2CD223J | J AA | 22 kohms,1/6W [600X Only] | R774 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R544 | VRD-ST2CD152J | J AA | 1.5 kohms,1/6W [600X Only] | R775~779 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R545 | VRD-ST2CD473J | J AA | 47 kohms,1/6W [600X Only] | R783~789 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R546 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W [600X Only] | R791~794 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R547,548 | VRD-MN2BD472J | J AA | 4.7 kohms,1/6W [600X Only] | R798 | VRD-ST2CD123J | J AA | 12 kohms,1/6W |
| R549 | VRD-ST2CD122J | J AA | 1.2 kohms,1/6W [600X Only] | R799 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |
| R552 | VRD-ST2CD101J | J AA | 100 ohm,1/6W [600X Only] | R800 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W |
| R554 | VRD-ST2CD472J | J AA | 4.7 kohms,1/6W [600X Only] | R801 | VRD-ST2CD272J | J AA | 2.7 kohms,1/6W |
| R556 | VRD-ST2CD102J | J AA | 1 kohm,1/6W [600X Only] | R802 | VRD-ST2CD182J | J AA | 1.8 kohms,1/6W |
| R557 | VRD-ST2CD393J | J AA | 39 kohms,1/6W [600X Only] | R803 | VRD-ST2CD152J | J AA | 1.5 kohms,1/6W |
| R558 | VRD-ST2CD473J | J AA | 47 kohms,1/6W [600X Only] | R804 | VRD-ST2CD821J | J AA | 820 ohms,1/6W |
| R561,562 | VRD-SA2CD183J | J AA | 18 kohms,1/6W | R806 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R563,564 | VRD-SA2CD223J | J AA | 22 kohms,1/6W | R808 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R565,566 | VRD-SA2CD121J | J AA | 120 ohms,1/6W | R815 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R567~570 | VRD-SA2CD103J | J AA | 10 kohm,1/6W | R816 | VRD-ST2EE681J | J AA | 680 ohms,1/4W |
| R571,572 | VRD-SA2CD121J | J AA | 120 ohms,1/6W | R817 | VRD-ST2CD681J | J AA | 680 ohms,1/6W |
| R601,602 | VRD-MN2BD102J | J AA | 1 kohm,1/8W [600X] | △ R818 | VRG-ST2EF100J | J AB | 10 ohm,1/4W,Fusable |
| R601,602 | VRD-MN2BD472J | J AA | 4.7 kohms,1/8W [600XT] | R819 | VRD-ST2CD101J | J AA | 100 ohm,1/6W |
| R603,604 | VRD-MN2BD683J | J AA | 68 kohms,1/8W [600XT] | R821,822 | VRD-ST2CD102J | J AA | 1 kohm,1/6W |
| R603,604 | VRD-MN2BD823J | J AA | 82 kohms,1/8W [600X] | R823 | VRD-ST2CD333J | J AA | 33 kohms,1/6W |
| R605,606 | VRD-MN2BD104J | J AA | 100 kohm,1/8W | R824,825 | VRD-ST2CD103J | J AA | 10 kohm,1/6W |
| R607,608 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | R826 | VRD-ST2CD222J | J AA | 2.2 kohms,1/6W |
| R609,610 | VRD-MN2BD151J | J AA | 150 ohms,1/8W [600X] | R827 | VRD-ST2CD682J | J AA | 6.8 kohms,1/6W |

CMS-R600X/R600XT

| NO. | PART CODE | ★ PRICE RANK | DESCRIPTION | NO. | PARTS CODE | ★ PRICE RANK | DESCRIPTION |
|------------|---------------|--------------|--------------------------------------|------------|----------------|--------------|--|
| R828 | VRD-ST2CD151J | J AA | 150 ohms,1/6W | FWM1 | QCNWN0333AWZZ | J AD | Flat Wire,4Pin |
| R829 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | FWM2 | QCNWN0338AWZZ | J AD | Flat Wire,2Pin |
| R830 | VRD-ST2CD102J | J AA | 1 kohm,1/6W | J601 | QJAKJ0003AWZZ | J AM | Jack,Headphones |
| R831 | VRD-ST2CD332J | J AA | 3.3 kohms,1/6W | J901 | QJAKC0004AWZZ | J | Jack,DC Input [600X Only] |
| R832 | VRD-ST2CD104J | J AA | 100 kohm,1/6W | LCD701 | RV-LX0019AWZZ | J AZ | LCD |
| R833 | VRD-ST2CD101J | J AA | 100 ohm,1/6W | LMP561 | RLMPP0001AWZZ | J AK | Lamp |
| R834 | VRD-ST2CD331J | J AA | 330 ohms,1/6W | LMP801,802 | RLMPP0001AWZZ | J AF | Lamp |
| R835 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | LUG601 | QLUGP0002AWZZ | J AB | Lug |
| R836 | VRD-ST2CD471J | J AA | 470 ohms,1/6W | M1 | 92LMTR2228AS1 | J AP | Loading Motor Ass'y |
| R837 | VRD-ST2CD102J | J AA | 1 kohm,1/6W | M2 | 92LMTR2228AS1 | J AP | Motor with Pulley [Turntable Up/Down] |
| R838 | VRD-ST2CD820J | J AA | 82 ohms,1/6W | M3 | 92LMTR1858CASY | J AS | Motor with Chassis [Spin] |
| R839 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | M4 | 92LMTR1854BASY | J AP | Motor with Gear [Slide] |
| R840 | VRD-ST2CD100J | J AA | 10 ohm,1/6W | MM1 | 92LMTR1746AASY | J AP | Motor with Pulley [Tape] |
| R841 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | RX701 | VHLSPS4201C-1 | J AN | Remote Sensor,LSPS4201C |
| R842 | VRD-ST2CD392J | J AA | 3.9 kohms,1/6W | RX701 | VHL12043TH2-1 | J | Remote Sensor,12043TH2 |
| R843 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | SO301 | QTANC0202AWZZ | J AF | Terminal,Antenna |
| R845 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | SO401 | 92LJACKL1676A | J AF | Jack,VIDEO/AUX. [600XT] |
| R846 | VRD-ST2CD222J | J AA | 2.2 kohms,1/6W | SO401 | 92LJACKL1706A | J AH | Jack,RCA Type,2Pin [Phono/AUX./Video] [600X] |
| R847,848 | VRD-ST2CD103J | J AA | 10 kohm,1/6W | SO601 | QTANA0406AWZZ | J AK | Terminal,Speaker |
| R849,850 | VRD-ST2EE8R2J | J AA | 8.2 ohms,1/4W | △ SO901 | QSOCA0204AWZZ | J | Socket,AC Input |
| R851,852 | VRD-ST2CD222J | J AA | 2.2 kohms,1/6W | SOLM1 | RPLU-0002AWZZ | J AH | Solenoid Ass'y |
| R853 | VRD-ST2CD106J | J AA | 10 Mohm,1/6W | SW2 | 92LSWICHL1746A | J AC | Switch,Leaf Type [Disc Up] |
| R854 | VRD-ST2CD154J | J AA | 150 kohms,1/6W | SW4 | QSW-F9001AWZZ | J AE | Switch,Push Type [Pickup In] |
| R855 | VRD-ST2CD224J | J AA | 220 kohms,1/6W | SW291 | QSW-S0024AWZZ | J AE | Switch,Slide Type [Span Selector] [600X Only] |
| R923,924 | VRD-MN2BD103J | J AA | 10 kohm,1/8W | SW421 | QSW-S0026AWZZ | J AF | Switch,Slide Type [Phono/Video/AUX.] [600X Only] |
| R925 | VRD-MN2BD333J | J AA | 33 kohms,1/8W | SW561 | QSW-K0003AWZZ | J AD | Switch,Key Type [3D Surround] [600X Only] |
| R926 | VRD-ST2CD333J | J AA | 33 kohms,1/6W | SW702 | QSW-K0003AWZZ | J AD | Switch,Key Type [Disk 1] |
| R927 | VRD-ST2EE470J | J AA | 47 ohms,1/4W | SW703 | QSW-K0003AWZZ | J AD | Switch,Key Type [Disk 2] |
| R928 | VRD-ST2EE561J | J AA | 560 ohms,1/4W | SW704 | QSW-K0003AWZZ | J AD | Switch,Key Type [Disk 3] |
| R929 | VRD-MN2BD102J | J AA | 1 kohm,1/8W | SW705 | QSW-K0003AWZZ | J AD | Switch,Key Type [Disk 4] |
| R930 | VRD-ST2EE470J | J AA | 47 ohms,1/4W | SW706 | QSW-K0003AWZZ | J AD | Switch,Key Type [Disk 5] |
| R931 | VRD-ST2EE561J | J AA | 560 ohms,1/4W | SW707 | QSW-K0003AWZZ | J AD | Switch,Key Type [Disc Skip] |
| △ R934 | VRG-ST2EG2R2J | J AB | 2.2 ohms,1/4W,Fusible [600X Only] | SW708 | QSW-K0003AWZZ | J AD | Switch,Key Type [Open/Close] |
| R940,941 | VRD-MN2BD222J | J AA | 2.2 kohms,1/8W [600X Only] | SW709 | QSW-K0003AWZZ | J AD | Switch,Key Type [Flat] |
| RM1 | VRD-ST2CD272J | J AA | 2.7 kohms,1/6W | SW710 | QSW-K0003AWZZ | J AD | Switch,Key Type [BGM] |
| RM703 | VRD-ST2CD103J | J AA | 10 kohm,1/6W [600XT] | SW711 | QSW-K0003AWZZ | J AD | Switch,Key Type [Vocal] |
| RM703 | VRD-ST2CD333J | J AA | 33 kohms,1/6W [600X] | SW712 | QSW-K0003AWZZ | J AD | Switch,Key Type [Heavy] |
| RM704 | VRD-ST2CD333J | J AA | 33 kohms,1/6W [600X Only] | SW713 | QSW-K0003AWZZ | J AD | Switch,Key Type [X-BASS] |
| | | | | SW714 | QSW-K0003AWZZ | J AD | Switch,Key Type [Tuning Up] |
| | | | | SW715 | QSW-K0003AWZZ | J AD | Switch,Key Type [Memory] |
| | | | | SW716 | QSW-K0003AWZZ | J AD | Switch,Key Type [Power] |
| | | | | SW717 | QSW-K0003AWZZ | J AD | Switch,Key Type [Forward] |
| | | | | SW718 | QSW-K0003AWZZ | J AD | Switch,Key Type [Preset Up/Time Up] |
| | | | | SW719 | QSW-K0003AWZZ | J AD | Switch,Key Type [Stop] |
| | | | | SW720 | QSW-K0003AWZZ | J AD | Switch,Key Type [Rec Pause] |
| | | | | SW721 | QSW-K0003AWZZ | J AD | Switch,Key Type [CD Pause] |
| | | | | SW722 | QSW-K0003AWZZ | J AD | Switch,Key Type [Tuning Down] |
| | | | | SW723 | QSW-K0003AWZZ | J AD | Switch,Key Type [Edit High] |
| | | | | SW724 | QSW-K0003AWZZ | J AD | Switch,Key Type [Edit Normal] |
| | | | | SW725 | QSW-K0003AWZZ | J AD | Switch,Key Type [Rewind] |
| | | | | SW726 | QSW-K0003AWZZ | J AD | Switch,Key Type [Preset Down/Time Down] |
| | | | | SW728 | QSW-K0003AWZZ | J AD | Switch,Key Type [Volume Up] |
| | | | | SW729 | QSW-K0003AWZZ | J AD | Switch,Key Type [Clear Timer] |
| | | | | SW730 | QSW-K0003AWZZ | J AD | Switch,Key Type [Memory/Set] |
| | | | | SW732 | QSW-K0003AWZZ | J AD | Switch,Key Type [Play/Repeat] |
| | | | | SW734 | QSW-K0003AWZZ | J AD | Switch,Key Type [Band] |
| | | | | SW735 | QSW-K0003AWZZ | J AD | Switch,Key Type [Volume Down] |
| | | | | SW736 | QSW-K0003AWZZ | J AD | Switch,Key Type [Video/AUX] |
| | | | | SW737 | QSW-K0003AWZZ | J AD | Switch,Key Type [Tape (12)] |
| | | | | SW738 | QSW-K0003AWZZ | J AD | Switch,Key Type [Tuner] |
| | | | | SW739 | QSW-K0003AWZZ | J AD | Switch,Key Type [CD] |
| | | | | SW740 | QSW-K0003AWZZ | J AD | Switch,Key Type [Reset] |
| △ F601,602 | 92LFUSET252B | J | Fuse,T2.5A L 250V | SW801 | 92LSWICHL1749A | J AD | Switch,Leaf Type [CD Changer] |
| △ F901,902 | 92LFUSET312B | J | Fuse,T3.15A L 250V | SW901 | QSOCE0005AWZZ | J AH | Switch,Slide Type [Voltage Selector] [600X Only] |
| △ F903 | 92LFUSET162B | J | Fuse,T1.6A L 250V | SWM3 | 92LM-SW1676A | J AC | Switch,Leaf Type [Fool Proof] |
| △ F921 | 92LFUSET501B | J | Fuse,T500mA L 250V | SWM4 | QSW-F9003AWZZ | J AG | Switch,Leaf Type [F.A.S.] |
| FC700 | QCNWN0637AWZZ | J AQ | Flat Cable,20Pin | SWM5 | 92LM-SW1658A | J AB | Switch,Leaf Type [CAM] |
| FW501 | QCNWN0762AWZZ | J | Flat Wire,9Pin [600X Only] | WT501 | 92LCONE9P52287 | J AC | Wire Trap,9Pin [600X Only] |
| FW561 | QCNWN0816AWZZ | J AD | Flat Wire,5Pin | WT601 | 92LCONE6P52287 | J AC | Wire Trap,6Pin |
| FW562 | QCNWN0639AWZZ | J AD | Flat Wire,3Pin [600X Only] | WT701 | 92LCONE5P52287 | J AC | Wire Trap,5Pin |
| FW601 | QCNWN0640AWZZ | J AF | Flat Wire,6Pin | WT921 | 92LCONE9P52287 | J AC | Wire Trap,9Pin |
| FW703 | QCNWN0639AWZZ | J AD | Flat Wire,3Pin | WTM1 | QCNCW026MAWZZ | J AG | Wire Trap,12Pin |
| FW851 | QCNWN0636AWZZ | J AH | Flat Wire,12Pin | | | | |
| FW921 | QCNWN0642AWZZ | J AK | Flat Wire,9Pin | | | | |

OTHER CIRCUITRY PARTS

| | | | |
|--------------|----------------|------|----------------------------|
| BI601/CNS601 | QCNWN0641AWZZ | J AM | Socket,3-3Pin |
| CNP2 | 92LCON5PTXLPB1 | J AB | Plug,5Pin |
| CNP3 | 92LCONE8P53253 | J AC | Plug,8Pin |
| CNP4 | 92LCONE6P53253 | J AC | Plug,6Pin |
| CNP4A | 92LCONE6P53254 | J AC | Plug,6Pin |
| CNP10 | QCNCWZX20AWZZ | J AG | Socket,20Pin |
| CNP80 | 92LCONE9P53253 | J AC | Plug,9Pin |
| CNP90 | 92LCONE3P53254 | J AB | Plug,3Pin |
| CNP201 | 92LCONE3P53253 | J AB | Plug,3Pin |
| CNP202 | 92LCONE7P53253 | J AC | Plug,7Pin |
| CNP301 | 92LCONE2P5268 | J AB | Plug,2Pin |
| CNP431 | QCNCWZS10AWZZ | J AK | Socket,10Pin |
| CNP432 | QCNCWZS16AWZZ | J AM | Socket,16Pin |
| CNP601 | 92LCON3PTXLPB1 | J AB | Connector Ass'y,3Pin |
| CNP700 | QCNCWZY20AWZZ | J AG | Socket,20Pin |
| CNP701 | QCNCM808CAFZZ | J AC | Plug,3Pin |
| CNP901 | 92LCONE2P5267X | J AB | Plug,2Pin |
| CNPM2 | QCNCM011BAWZZ | J AC | Pin Header |
| CNS2A/B | QCNWN0629AWZZ | J AN | Connector Ass'y,5-5Pin |
| CNS3A/B | QCNWN0630AWZZ | J AM | Connector Ass'y,8-8Pin |
| CNS4A/B | QCNWN0631AWZZ | J AK | Connector Ass'y,6-6Pin |
| CNS5 | QCNWN0803AWZZ | J AD | CD Ground Wire |
| CNS80A/B | QCNWN0632AWZZ | J AM | Connector Ass'y,9-3Pin |
| CNS201 | QCNWN0634AWZZ | J AK | Connector Ass'y,3Pin |
| CNS202 | QCNWN0635AWZZ | J AQ | Connector Ass'y,7Pin |
| CNS701 | QCNWN0633AWZZ | J AG | Connector Ass'y,3Pin |
| CNS702 | QCNCMZS16AWZZ | J AM | Plug,16Pin |
| CNS703 | QCNCMZS10AWZZ | J AK | Plug,10Pin |
| △ F601,602 | 92LFUSET252B | J | Fuse,T2.5A L 250V |
| △ F901,902 | 92LFUSET312B | J | Fuse,T3.15A L 250V |
| △ F903 | 92LFUSET162B | J | Fuse,T1.6A L 250V |
| △ F921 | 92LFUSET501B | J | Fuse,T500mA L 250V |
| FC700 | QCNWN0637AWZZ | J AQ | Flat Cable,20Pin |
| FW501 | QCNWN0762AWZZ | J | Flat Wire,9Pin [600X Only] |
| FW561 | QCNWN0816AWZZ | J AD | Flat Wire,5Pin |
| FW562 | QCNWN0639AWZZ | J AD | Flat Wire,3Pin [600X Only] |
| FW601 | QCNWN0640AWZZ | J AF | Flat Wire,6Pin |
| FW703 | QCNWN0639AWZZ | J AD | Flat Wire,3Pin |
| FW851 | QCNWN0636AWZZ | J AH | Flat Wire,12Pin |
| FW921 | QCNWN0642AWZZ | J AK | Flat Wire,9Pin |

| NO. | PART CODE | ★ PRICE RANK | DESCRIPTION |
|---------------------------------|----------------|--------------|---------------------------------|
| CASSETTE MECHANISM PARTS | | | |
| 1 | LCHSM0014AW01 | J AN | Main Chassis Ass'y |
| 2 | LPLTP0001AWZZ | J AD | Plate,Head [Tape 1] |
| 3 | LPLTP0002AWZZ | J AD | Plate,Head [Tape 2] |
| 4 | NDAIR0004AW01 | J AG | Take-Up Reel Ass'y [Tape 1] |
| 5 | NDAIR0005AW01 | J AG | Take-Up Reel Ass'y [Tape 2] |
| 6 | NGERH0024AWZZ | J AB | Gear,Supply Reel |
| 7 | NROLY002AWZZ | J AF | Pinch Roller Ass'y |
| 8 | NFLYC0002AWZZ | J AG | Flywheel Ass'y [Tape 1] |
| 9 | NFLYC0003AWZZ | J AH | Flywheel Ass'y [Tape 2] |
| 10 | MLEVP0024AW01 | J AH | Lever,FF/REW Roller Ass'y |
| 11 | NGERH0027AWZZ | J AE | Gear,Cam |
| 12 | NGERH0028AWZZ | J AB | Gear,Flywheel |
| 13 | NGERH0030AWZZ | J AE | Gear,Play Idler |
| 14 | NGERH0032AWZZ | J AC | Gear,FF |
| 15 | NPLYB0004AWZZ | J AB | Sensor,Wing |
| 16 | MLEVP0026AWZZ | J AC | Lever,Trigger |
| 17 | MLEVP0027AWZZ | J AC | Lever,Lock [Tape 1] |
| 18 | MLEVP0028AWZZ | J AC | Lever,Eject Obstruct [Tape 1] |
| 19 | MLEVP0029AWZZ | J AC | Lever,Eject Obstruct [Tape 2] |
| 20 | LHLDS1001AW01 | J AE | Holder,Bearing |
| 21 | PGIDM0007AWZZ | J AC | Guide,Cassette [Tape 2] |
| 22 | PGIDM0009AWZZ | J AC | Guide,Cassette [Tape 1] |
| 23 | MLEVF0004AWFW | J AB | Lever,Over Strok [Tape 1] |
| 24 | MLEVF0005AW01 | J AE | Lever,Over Strok Ass'y [Tape 2] |
| 25 | MLEVF0006AW01 | J AD | Lever,Mode Ass'y |
| 26 | MLEVF0007AW01 | J AC | Lever,Idler Ass'y [Tape 1] |
| 27 | MLEVF0008AW01 | J AD | Lever,Idler Ass'y [Tape 2] |
| 28 | LANGT0025AWFW | J AD | Bracket Motor |
| 29 | LANGT0026AWFW | J AC | Bracket Hold |
| 30 | LANGT0033AWFW | J AB | Bracket,Switch |
| 31 | MSPRP0005AWFW | J AB | Spring,Cassette |
| 32 | MSPRC0008AWFJ | J AB | Spring,Back Tention |
| 33 | MSPRD0031AWFJ | J AB | Spring,Lock Lever [Tape 1] |
| 34 | MSPRD0032AWFJ | J AB | Spring,Mode Lever |
| 35 | MSPRD0033AWFJ | J AB | Spring,Play Idler Lever |
| 36 | MSPRD0034AWFJ | J AB | Spring,Play Roller |
| 37 | MSPRD0035AWFJ | J AB | Spring,Eject Obstruct [Tape 1] |
| 38 | MSPRD0036AWFJ | J AB | Spring,Play Return |
| 39 | MSPRD0037AWFJ | J AB | Spring,Over Strok Lever |
| 40 | MSPRD0038AWFJ | J AB | Spring,Trigger Lever |
| 41 | MSPRD0039AWFJ | J AB | Spring,FR Lever |
| 42 | MSPRD0040AWFJ | J AB | Spring,Eject Obstruct [Tape 2] |
| 43 | NBLTK0009AWZZ | J AC | Belt,Sub |
| 44 | NBLTK0007AWZZ | J AC | Belt,Main [Tape 1] |
| 45 | NBLTK0015AWZZ | 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] |
| 54 | 92LM-CSPR1676C | J AA | Spring,Solenoid |
| 55 | 92LMRPH1746A | J AM | Head,Record/Playback |
| 56 | 92LM-EH1658A | J AG | Head,Erase |
| 57 | 92LM-REL1676B | J AB | Cap,Supply Reel |
| 58 | 92LM-CSPR1676B | J AA | Spring,Supply Cap |
| 59 | 92LN-BAND1318A | J AA | Nylon Band,80mm |
| 501 | 92LS2R6S1746A | J AA | Screw,ø2.6×2.5mm |
| 502 | 92L2TTS+4BZ | J AA | Screw,ø2×4mm |
| 503 | 92L2TTS+5BZ | J AA | Screw,ø2×5mm |
| 504 | 92L1R5WC3R8R5P | J AA | Washer,ø1.5×ø3.8×0.5mm |
| 505 | XWVSD22-03000 | J AA | Washer,ø2mm |
| 506 | LX-BZ0004AWFD | J AC | Screw,Lock Lever |
| 507 | XHPSD20P05000 | J AA | Screw,ø2×5mm |
| 508 | 92L2R3W3R4R25P | J AA | Washer,ø2.3×ø3.4×0.25mm |
| 510 | 92L1R8WC4-R5P | J AA | Washer,ø1.8×ø4×0.5mm |
| MM1 | 92LMTR1746AASY | J AP | Motor with Pulley [Tape] |
| SOLM1 | RPLU-0002AWZZ | J AH | Solenoid Ass'y |
| SWM3 | 92LM-SW1676A | J AC | Switch,Leaf Type [Fool Proof] |
| SWM4 | QSW-F9003AWZZ | J AG | Switch,Leaf Type [F.A.S.] |
| SWM5 | 92LM-SW1658A | J AB | Switch,Leaf Type [CAM] |

CD MECHANISM PARTS

| | | | |
|--------|---------------|------|---------------------------------------|
| 301 | NGERH0011AWZZ | J AC | Gear,Middle |
| 302 | NGERH0012AWZZ | J AC | Gear,Drive |
| 303 | MLEVP0010AWZZ | J AC | Rail,Guide |
| 304 | NSFTM0002AWFW | J AE | Shaft,Guide |
| 305 | 92LHPC1MASY | J BG | Pickup Unit Ass'y |
| 305- 1 | --- | --- | Pickup Unit (Not Replacement Item) |
| 305- 2 | NGERR0043AFZZ | J AC | Gear,Rack |
| 305- 3 | MSPRC0961AFZZ | J AA | Spring,Rack |
| 701 | 92L2R6S+6CZ | J AB | Screw,ø2.6×6mm |

| NO. | PARTS CODE | ★ PRICE RANK | DESCRIPTION |
|-----|----------------|--------------|------------------------------|
| 702 | 92L2TTS+5BB | J AB | Screw,ø2×5mm |
| 703 | 92L2S+3PZ | J AA | Screw,ø2×3mm |
| 704 | 92L1R5WC3R8R25 | J AA | Washer,ø1.5×ø3.8×0.25mm |
| M3 | 92LMTR1858CASY | J AS | Motor with Chassis [Spin] |
| M4 | 92LMTR1854BASY | J AP | Motor with Gear [Slide] |
| SW4 | QSW-F9001AWZZ | J AE | Switch,Push Type [Pickup In] |

CABINET PARTS

| | | | |
|--------|----------------|------|---------------------------------------|
| 201 | 92LCAB2231AS1 | J | Front Panel Ass'y [600X] |
| 201 | 92LCAB2372AS1 | J | Front Panel Ass'y [600XT] |
| 201- 1 | --- | --- | Front Panel (Not Replacement Item) |
| 201- 2 | 92LCUSN1746A | J AA | Cushion,Leg |
| 201- 3 | GCOVA1084AWSA | J AF | Cover,Play Knob [600X] |
| 201- 3 | GCOVA1084AWSC | J | Cover,Play Knob [600XT] |
| 201- 4 | GCOVA1085AWSA | J AF | Cover,Stop Knob [600X] |
| 201- 4 | GCOVA1085AWSC | J | Cover,Stop Knob [600XT] |
| 201- 5 | GCOVA1086AWSA | J AF | Cover,Up Knob [600X] |
| 201- 5 | GCOVA1086AWSC | J | Cover,Up Knob [600XT] |
| 201- 6 | GCOVA1087AWSA | J AF | Cover,Down Knob [600X] |
| 201- 6 | GCOVA1087AWSC | J | Cover,Down Knob [600XT] |
| 201- 7 | JKNBZ0211AWSA | J AK | Knob,Disc Selector [600X] |
| 201- 7 | JKNBZ0211AWSB | J AK | Knob,Disc Selector [600XT] |
| 201- 8 | JKNBZ0212AWSA | J AF | Knob,CD Open/Close |
| 201- 9 | JKNBZ0213AWSA | J AA | Knob,Equalizer Mode/X-Bass [600X] |
| 201- 9 | JKNBZ0213AWSB | J AH | Knob,Equalizer Mode/X-Bass [600XT] |
| 201-10 | JKNBZ0214AWSC | J AH | Knob,Function [600XT] |
| 201-10 | JKNBZ0294AWSA | J AE | Knob,Function [600X] |
| 201-11 | JKNBZ0215AWSA | J AH | Knob,Volume [600X] |
| 201-11 | JKNBZ0215AWSB | J AH | Knob,Volume [600XT] |
| 201-12 | JKNBZ0216AWSA | J AE | Knob,Edit |
| 201-13 | JKNBZ0217AWSA | J AK | Knob,Mechanism |
| 201-14 | JKNBZ0218AWSA | J AE | Knob,Memory |
| 201-15 | JKNBZ0219AWSA | J AF | Knob,SRS [600X Only] |
| 202 | 92LCAB2228BS1 | J AX | Top Cabinet Ass'y [600X] |
| 202 | 92LCAB2234BS1 | J AX | Top Cabinet Ass'y [600XT] |
| 202- 1 | --- | --- | Top Cabinet (Not Replacement Item) |
| 202- 2 | HDECP0035AWSA | J AE | Decoration Plate,SHARP [600X] |
| 202- 2 | HDECP0035AWSB | J AE | Decoration Plate,SHARP [600XT] |
| 203 | 92LBELT1746A | J AC | Belt,Drive |
| 204 | GCAB-1038AWSA | J BA | CD Tray |
| 205 | GCOVA1083AWSA | J AS | Cover,CD Tray |
| 206 | GDORF0021AWSA | J AK | Cassette Holder,Tape 1 |
| 207 | GDORF0022AWSA | J AK | Cassette Holder,Tape 2 |
| 208 | 92LGEAR1746A | J AC | Gear,Driving Gear Cam |
| 209 | 92LGEAR1746B | J AC | Gear,Turntable |
| 210 | 92LGEAR1746C | J AC | Gear,Driving |
| 211 | GITAR0114AWSA | J | Back Board [600XT] |
| 211 | GITAR0115AWSA | J AL | Back Board [600X] |
| 212 | GITAS0024AWSA | J AW | Side Panel |
| 213 | HDECA0001AWSA | J AD | Decoration Plate,Leg [600X] |
| 214 | HDECA0001AWSB | J | Decoration Plate,Leg [600XT] |
| 214 | HDECP0036AWSA | J AF | Back Panel,Level Meter |
| 215 | HDECP0034AWSA | J AF | Sheet,LCD Colour |
| 216 | HDECQ0158AWSA | J AK | Panel,Tuner |
| 217 | HDECQ0129AWSA | J AH | Panel,LCD |
| 218 | HDECQ0107AWSA | J AK | Cover,Cassette (Tape 1) |
| 219 | HDECQ0108AWSA | J AK | Cover,Cassette (Tape 2) |
| 220 | HDECQ0109AWSA | J AH | Panel,Display |
| 221 | HDECQ0120AWSA | J AG | Panel,Level Meter |
| 223 | LANGQ0007AWFW | J AH | Support,Terminal |
| 224 | LANGZ0010AWFW | J AL | Bracket,Stabilizer |
| 225 | LCHSM0031AWFW | J AZ | Main Chassis |
| 226 | LCHSZ0008AWZZ | J BA | Chassis,Loading |
| 227 | 92LHOLD2228AS1 | J | Stabilizer Ass'y |
| 227-1 | LHLDM1005AWSB | J AG | Stabilizer |
| 227-2 | PMAGF0001AWZZ | J AF | Magnet |
| 227-3 | PCOV3016AWFW | J AB | Support,Magnet |
| 228 | LHLDZ1043AWSA | J AD | Holder,LED |
| 229 | LHLDZ1100AWZZ | J AB | Holder,Cassette Leg |
| 230 | LHLDZ3004AWFW | J AG | Holder,LCD |
| 231 | LHLDZ3006AWFW | J AD | Holder,Edge Light |
| 232 | MCAMP0003AWZZ | J AG | Cam,Driving Gear |
| 233 | MLEVP0049AWZZ | J AK | Lever,Shift |
| 234 | MLIFP0003AWZZ | J AE | Damper |
| 235 | MSPRD0068AWFP | J AE | Spring,Shift Lever |
| 236 | MSPRD0069AWFP | J AC | Spring,Cassette (Tape 1) |

CMS-R600X/R600XT

| NO. | PART CODE | ★ PRICE RANK | DESCRIPTION |
|-----|----------------|--------------|--|
| 237 | MSPRD0070AWFP | J AC | Spring,Cassette (Tape 2) |
| 238 | 92LN-BAND1318A | J AA | Nylon Band,80mm |
| 239 | NBLT-0017AWZZ | J AE | Belt,Drive |
| 240 | NGEAH0049AWFW | J AE | Gear,Tray Lock |
| 241 | NGERH0048AWZZ | J AG | Pulley,Gear |
| 242 | NROLP0004AWZZ | J AC | Roller,Tray |
| 243 | NROLP0005AWZZ | J AB | Roller,Loading |
| 244 | NROLP0006AWZZ | J AC | Support Roller Ass'y,Turntable |
| 245 | NTNT-0016AWSA | J AW | CD Turntable |
| 247 | PCUSG0017AWZZ | J AE | Cushion,CD Mechanism |
| 248 | PGIDM0015AWZZ | J AE | Guide,Rail (Left) |
| 249 | PGIDM0016AWZZ | J AD | Guide,Rail (Right) |
| 251 | PRDAR0046AWFW | J AS | Heat Sink |
| 252 | PRDAR0047AWFW | J AT | Heat Sink (Sub) |
| 253 | 92LPULLY1746A | J AD | Pulley,Gear |
| 254 | QCNNW0769AWZZ | J AD | Wire Lug |
| 255 | QFSDH0001AWZZ | J AB | Holder,Fuse |
| 256 | QLUGP0001AWZZ | J AC | Lug |
| 257 | LHLDF1013AWZZ | J | Bracket,PWB |
| 258 | PFLT-0030AWZZ | J | Felt,Level Meter |
| 259 | LHLDZ1136AWZZ | J | Holder,LED |
| 260 | LHLDZ1101AWSA | J AF | Holder,LED |
| 261 | 92LLABL1204C | J AA | Label,Made in Malaysia [For Australia/New Zealand] |
| 261 | 92LPANEL713A | J AB | Label,Made in Malaysia [Except for Australia/New Zealand] |
| 262 | TSPC-0395AWZZ | J | Label,Specifications [600XT Only] |
| 601 | LX-EZ0005AWFD | J AA | Screw,Special |
| 602 | LX-HZ0210AFFD | J AA | Screw,ø3×10mm |
| 603 | LX-JZ0039AFFD | J AA | Screw,ø3×10mm |
| 604 | LX-JZ0002AWFD | J AA | Screw,ø3×10mm |
| 606 | LX-JZ0012AWFD | J AC | Screw,ø3×24mm |
| 607 | LX-JZ0022AFFD | J AA | Screw,ø3×8mm |
| 608 | XBPSD26P05JS0 | J AA | Screw,ø2.6×5mm |
| 609 | XEBSD20P08000 | J AA | Screw,ø2×8mm |
| 610 | XEBSF30P12000 | J AA | Screw,ø3×12mm,Black |
| 611 | XHBSD40P06000 | J AA | Screw,ø4×6mm |
| 612 | XJBSD30P10000 | J AA | Screw,ø3×10mm |
| 613 | XJBSD30P12000 | J AA | Screw,ø3×12mm |
| 614 | XJBSF30P08000 | J AA | Screw,ø3×8mm,Black |
| 615 | XJBSF30P10000 | J AA | Screw,ø3×10mm,Black |
| 617 | XJSSD30P10000 | J AA | Screw,ø3×10mm |
| 618 | XWHS32-10130 | J AA | Washer,ø3.2×ø13×1mm |
| 619 | XWHS32-10080 | J AA | Washer,ø3.2×ø8×1mm |
| 620 | 92LSPAC1746A | J AA | Washer,ø3.2×ø8×0.1mm |
| 621 | XJBSD30P08000 | J AA | Screw,ø3×8mm |
| 622 | LX-JZ0003AWFF | J AA | Screw,ø3×12mm |

ACCESSORIES/PACKING PARTS

| | | |
|----------------|------|---|
| QACCE0005AW00 | J AM | AC Power Supply Cord [Except for Saudi Arabia/ Australia/New Zealand] |
| QACCL0002AW00 | J AN | AC Power Supply Cord [For Australia/New Zealand] |
| QANTL0001AWZZ | J AL | AM Loop Antenna |
| SPAKA0096AWZZ | J AR | Packing Add.,Left/Right |
| SPAKC0359AWZZ | J AX | Packing Case [600X] |
| SPAKC0430AWZZ | J | Packing Case [600XT] |
| SSAKH0016AWZZ | J | Polyethylene Bag,Unit |
| TINST0015AWZZ | J | Operation Manual [600XT] |
| TINSZ0138AWZZ | J AS | Operation Manual [600X] |
| 92LBAG1460C1 | J AB | Polyethylene Bag,Accessories |
| 92LBAG760C | J AA | Polyethylene Bag,AC Plug Adaptor |
| 92LCORD577B | J AM | AC Power Supply Cord [For Saudi Arabia] |
| 92LFANT1746A | J AD | FM Antenna |
| 92LGCARD1266E1 | J AC | Warranty Card [For Australia/New Zealand Only] |
| 92LPLUG027 | J AD | AC Plug Adaptor [For Saudi Arabia] |
| 92LPLUG155A | J AG | AC Plug Adaptor [Except for Saudi Arabia] |
| RRMCG0075AWSA | J AX | Remote Control |
| 92LLID1782A | J AQ | Battery Lid,Remote Control |

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

| NO. | PARTS CODE | ★ PRICE RANK | DESCRIPTION |
|----------|----------------|--------------|--|
| PWB-A1~4 | 92LPWB2231MANS | J — | Main/Power/Headphones/Spacer (Combined Ass'y) [600X for Australia/New Zealand Only] |
| PWB-B1~3 | 92LPWB2231DPLS | J — | Display/Switch/Lamp (Combined Ass'y) [600X for Australia/New Zealand Only] |
| PWB-C1,2 | 92LPWB2228CDUS | J — | CD Servo/Sensor (Combined Ass'y) [600X for Australia/New Zealand Only] |
| PWB-D1,2 | 92LPWB2231LVLS | J — | Level Meter/Switch (Combined Ass'y) [600X for Australia/New Zealand Only] |
| PWB-E | 92LPWB2230SRSS | J — | SRS [600X for Australia/New Zealand Only] |
| PWB-F | QPWBF0027AWZZ | J AD | CD Motor (PWB Only) [600X for Australia/New Zealand Only] |
| PWB-G | QPWBF0106AWZZ | J AF | Tape Mechanism (PWB Only) [600X for Australia/New Zealand] |

SPEAKER BOX PARTS

| | | | |
|-------|---------------|------|---------------------------------------|
| 701 | 92L126-0001 | J AW | Front Panel Ass'y |
| 702 | 92L121-0049 | J AS | Net Frame Ass'y |
| 703 | 92L051-0011 | J AX | Cabinet Ass'y |
| 704 | 92L394-0015 | J AB | Port Cushion |
| 705 | 92L291-0019 | J AH | Cord,Speaker |
| 706 | 92L302-0001 | J AE | Support,Tweeter |
| 707 | 92L302-0002 | J AG | Support,Woofers |
| 708 | 92L351-0083 | J | Label,Specifications |
| 709 | 92L319-0006 | J AC | Holder,Catching |
| 710 | 92L372-0023 | J AB | Screw,ø4×32mm |
| C1,2 | 92L293-0034 | J | 1.0 µF,50V,Electrolytic, Non-Polar |
| SP1,2 | VSP0013WB098A | J AZ | Speaker,Woofers |
| SP3,4 | VSP0050TBG48A | J AR | Speaker,Tweeter |
| SP5,6 | 92L124-0006 | J AQ | Super Tweeter Ass'y |

ACCESSORIES/PACKING PARTS

| | | |
|-------------|------|---|
| 92L353-0018 | J | Label,Feature [600X for Australia/New Zealand] |
| 92L353-0020 | J | Label,Feature [600X except for Australia/New Zealand] |
| 92L411-0038 | J | Polyethylene Bag,Speaker |
| 92L412-0040 | J AK | Packing Add.,Top/Bottom |

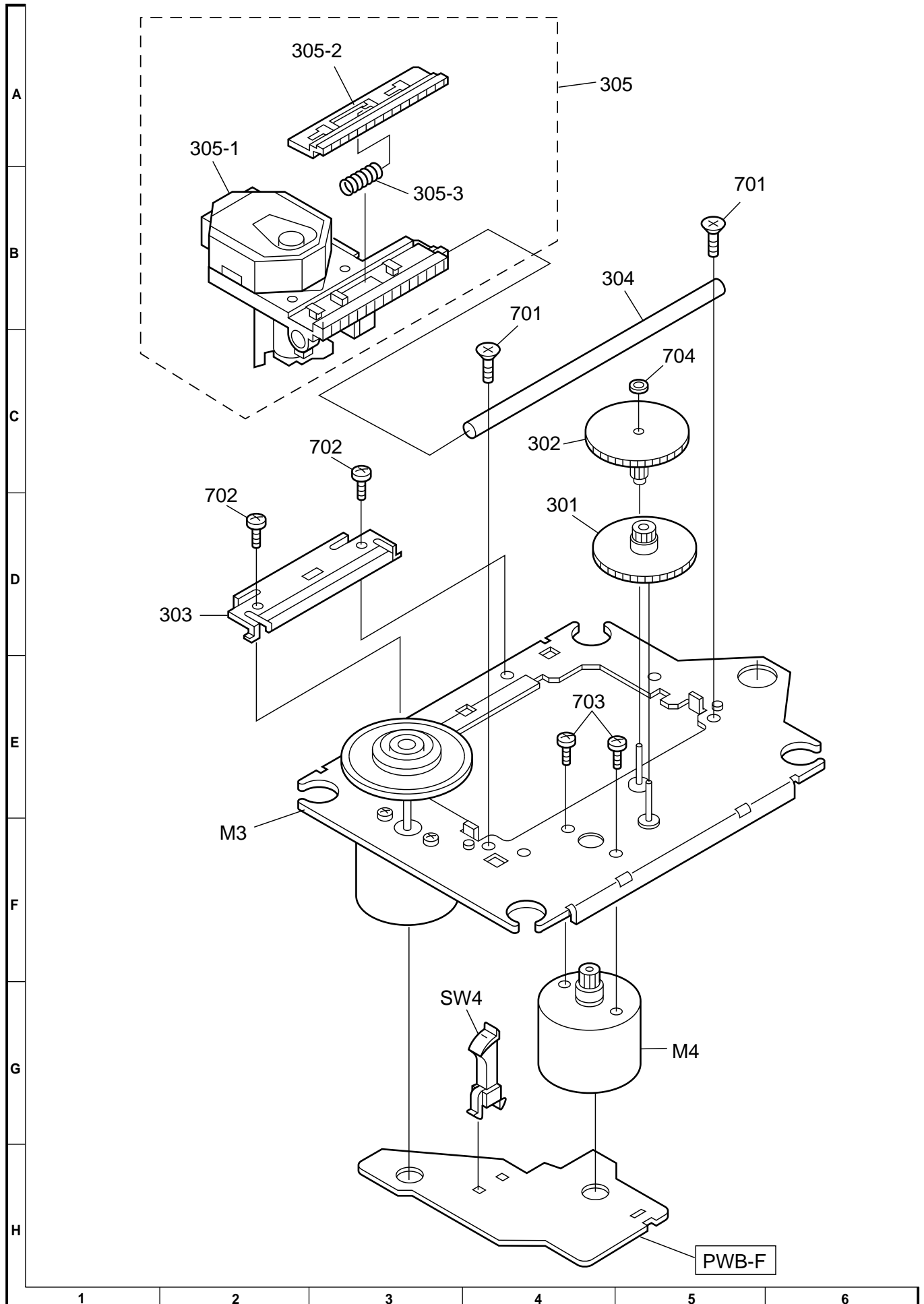


Figure 8 CD MECHANISM EXPLODED VIEW

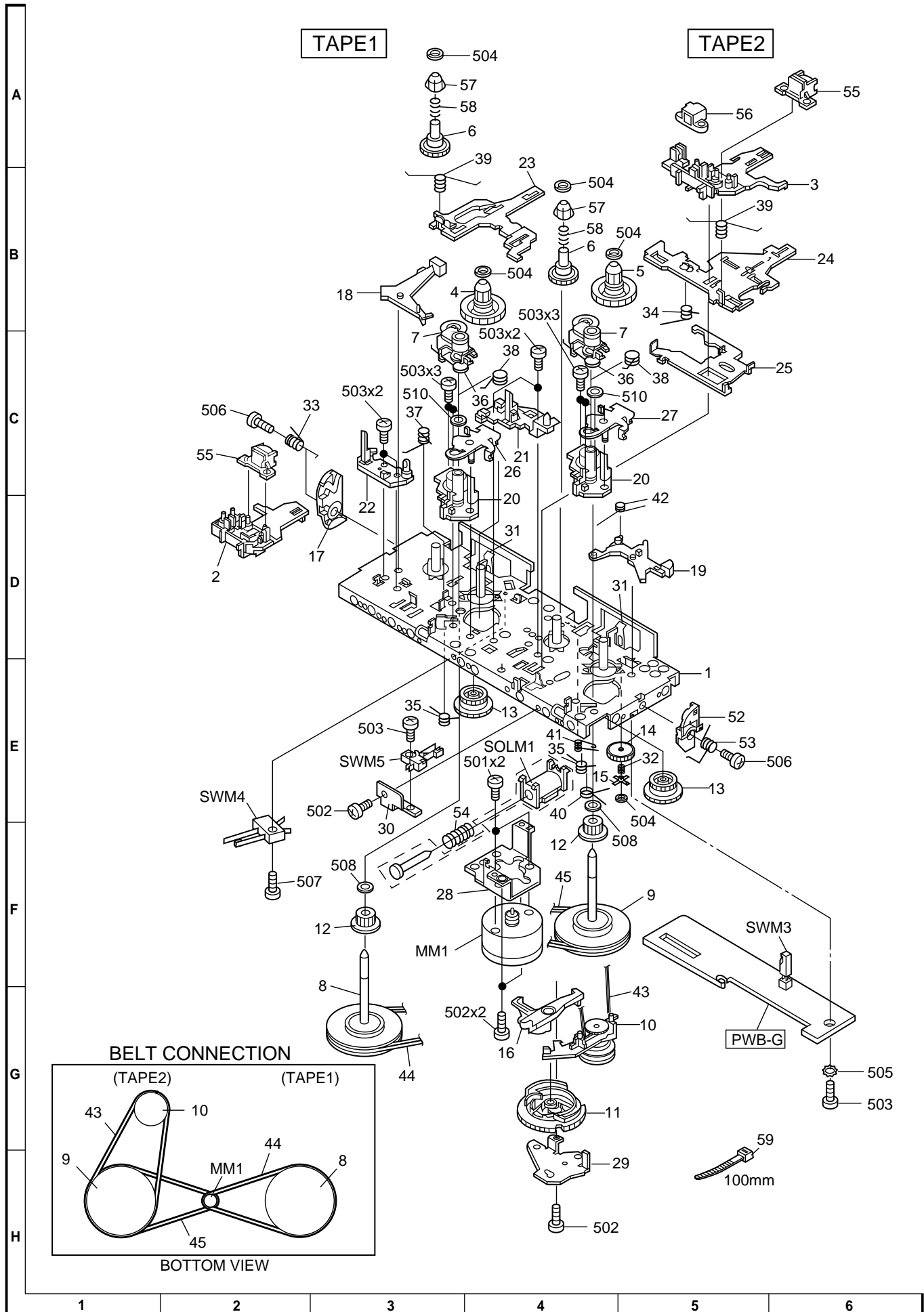


Figure 9 TAPE MECHANISM EXPLODED VIEW

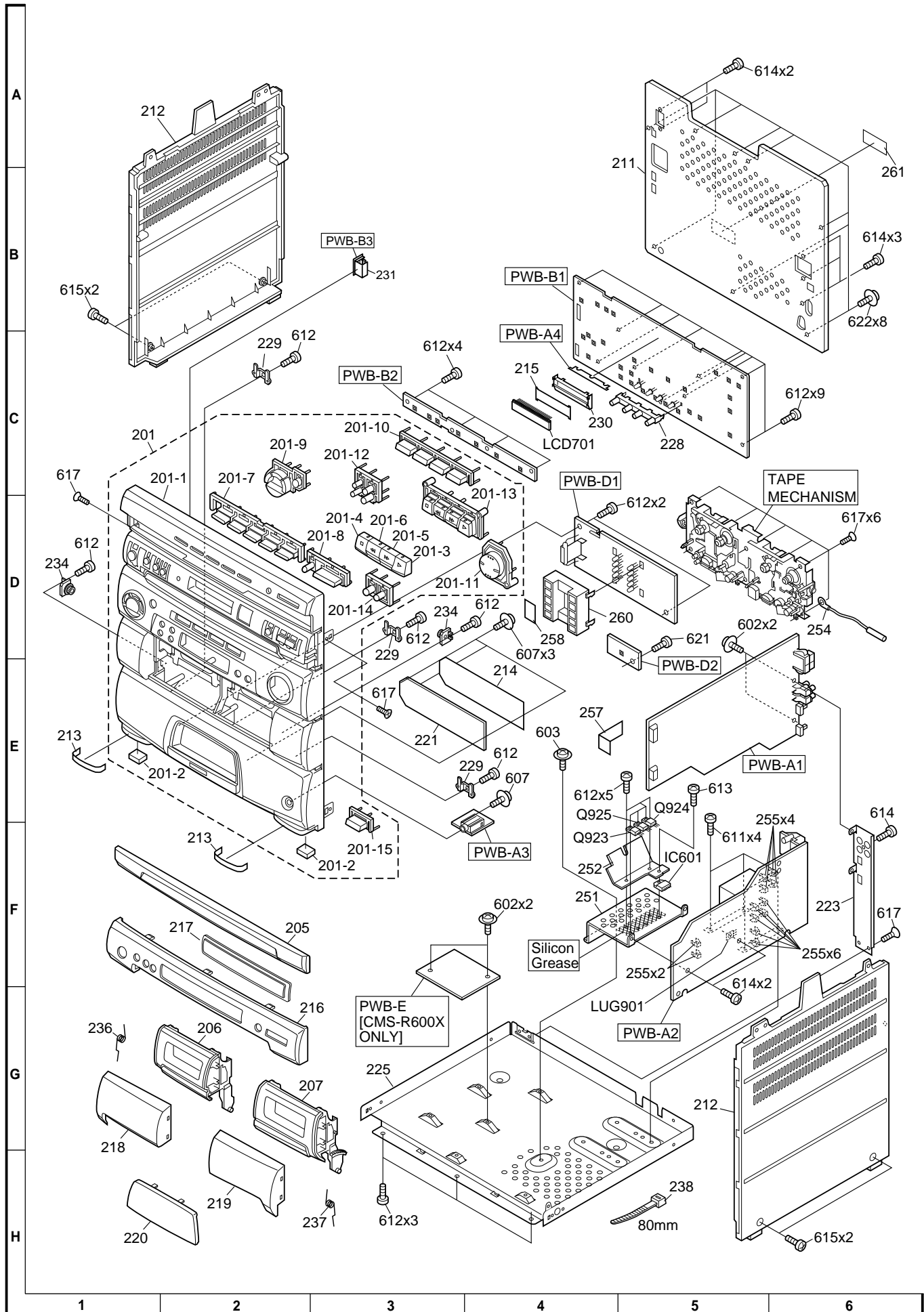


Figure 11 CABINET EXPLODED VIEW (2/2)

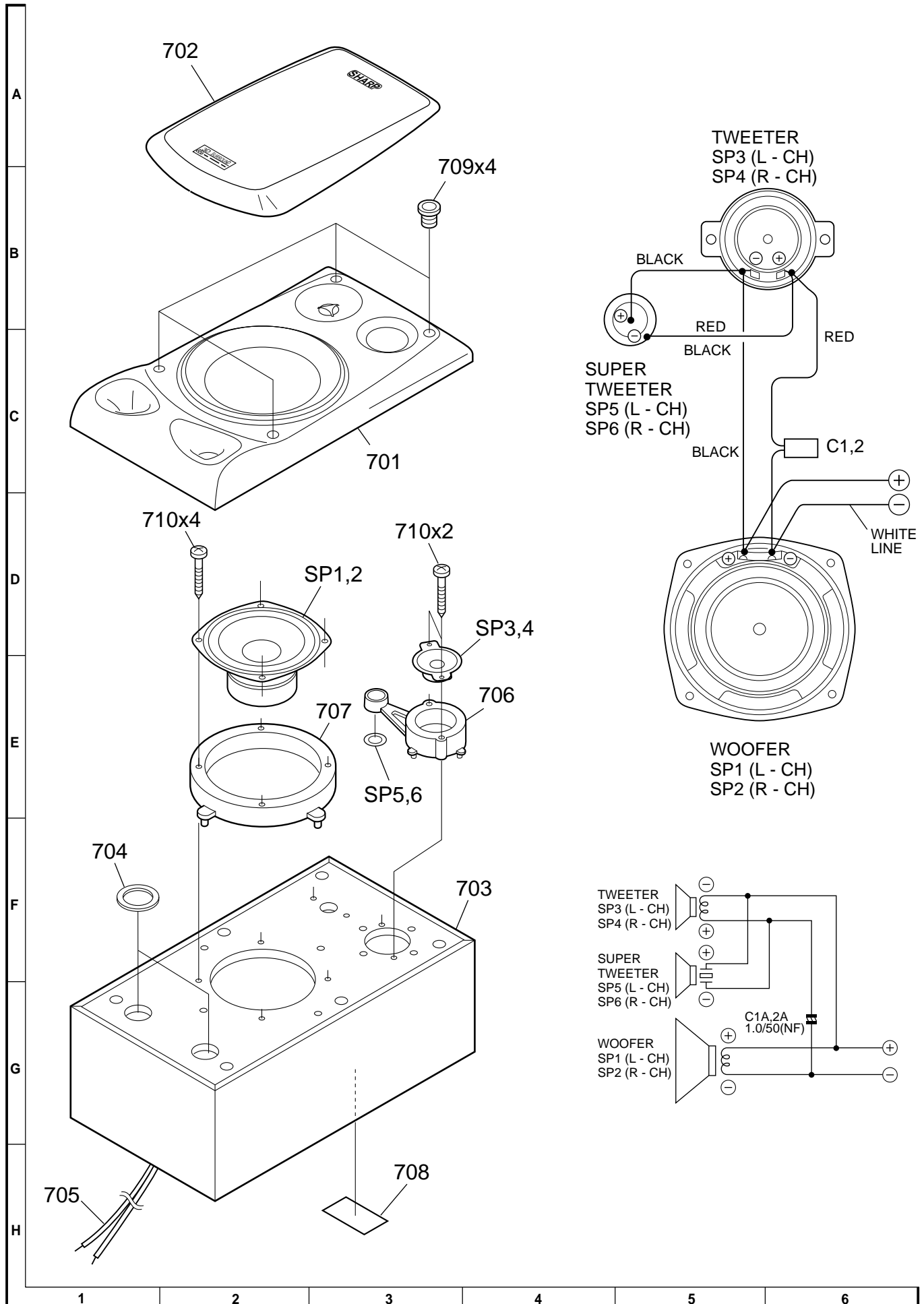


Figure 12 SPEAKER EXPLODED VIEW

— M E M O —

SHARP