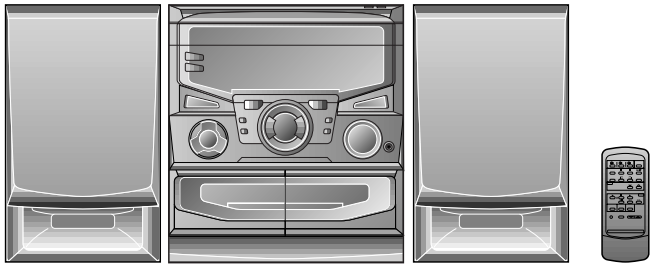
SHARP SERVICE MANUAL

No. S5927CDC605H/



CD-C605H

CD-C605H mini component system consisting of CD-C605H (Main unit), CP-C605H (Speaker system).

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

- **Note for users in U.K.**
  Recording and playback of any material may require consent which SHARP is unable to give. Please refer particularly to the provisions of Copyright Act 1956, the Dramatic and Musical Prefomers Protection Act 1956, the Preformers Protection Acts 1963 and 1972 and to any subsequent statutory enactments and orders.

COMPACT disc DIGITAL AUDIO

SAVING ENERGY STAND-BY POWER CONSUMPTION 0.6W

CONTENTS

SHARP CORPORATION

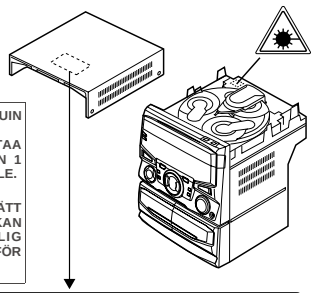
SAFETY PRECAUTION FOR SERVICE MANUAL

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

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

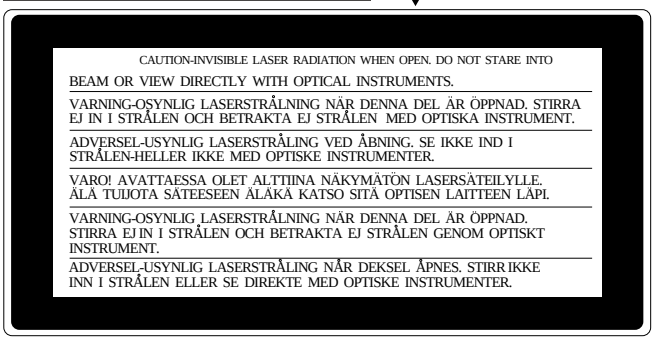
(1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
(2) The Laser Power Output of the Pickup inside the unit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

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

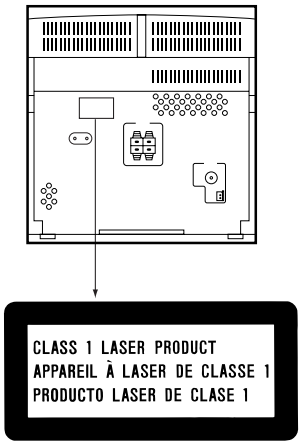


VAROITUS! LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

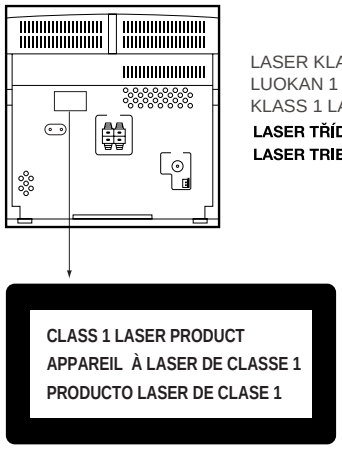
VARNING - OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERAS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.



(For U.K.)



(Except For U.K.)



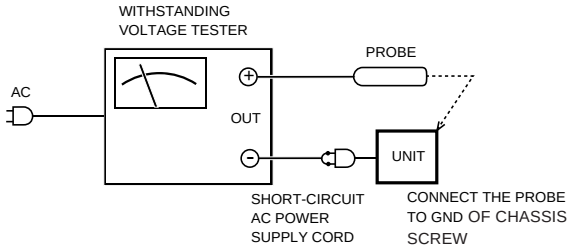
LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
LASER TŘÍDY 1
LASER TRIEDY 1

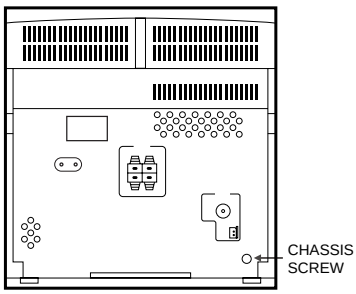
IMPORTANT SERVICE NOTES (FOR U.K. ONLY)

Before returning the unit to the customer after completion of a repair or adjustment it is necessary for the following withstand voltage test to be applied to ensure the unit is safe for the customer to use.

Setting of Withstanding Voltage Tester and set.

Set name	set value
Withstanding Voltage Tester	
Test voltage	4,240 VPEAK 3,000 VRMS
Set time	6 secs
Set current(Cutoff current)	4 mA
Unit	
Judgment	
OK: The “GOOD” lamp lights. NG: The “NG” lamp lights and the buzzor sounds.	





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

SPECIFICATIONS

CD-C605H

● General

Power source: AC 230 V, 50 Hz

Power consumption: 40 W

Dimensions: Width; 270 mm (10-5/8")
Height; 300 mm (11-13/16")
Depth; 353 mm (13-7/8")

Weight: 5.1 kg (11.2 lbs)

● Amplifier section

Output power: PMPO; 66 W
MPO; 33W (16.5 W + 16.5 W) (DIN 45 324)
RMS; 20 W (10 W + 10 W) (DIN 45 324)
RMS; 16 W (8 W + 8 W) (DIN 45 500)

Output terminals: Speakers; 8 ohms
Headphones; 16-50 ohms (recommended; 32 ohms)

● Tuner section

Frequency range: FM; 87.5-108 MHz
AM; 522-1,620 kHz

● Cassette deck section

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

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

Wow and flutter: 0.20 % (DIN 45 511)

● Compact disc player section

Type: 3-disc multi-play compact disc player

Signal readout: Non-contact, 3-beam semiconductor laser pickup

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

Frequency response: 20 - 20,000 Hz

Dynamic range: 90 dB (1 kHz)

CP-C605H

● Speaker section

Type: 10cm (4") full-range speaker

Maximum input power: 20 W

Impedance: 8 ohms

Dimensions: Width; 180 mm (7-1/8")
Height; 300 mm (11-13/16")
Depth; 204 mm (8-1/10")

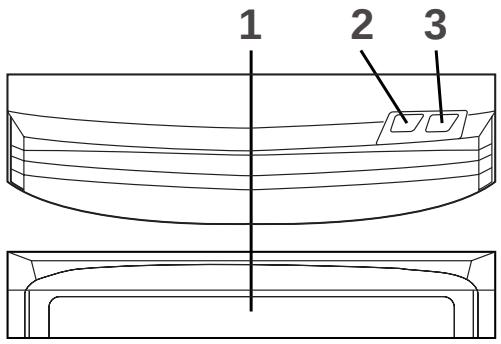
Weight: 2.0 kg (4.4 lbs)/each

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

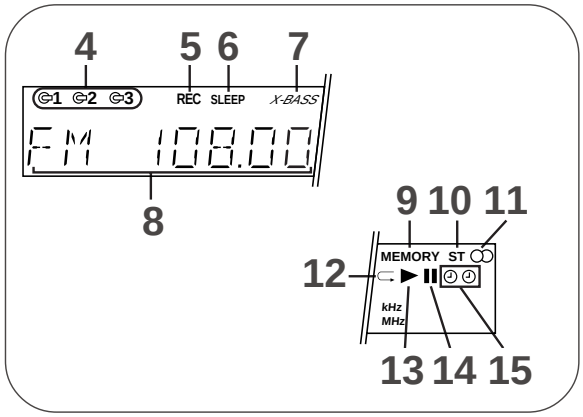
NAMES OF PARTS

CD-C605H

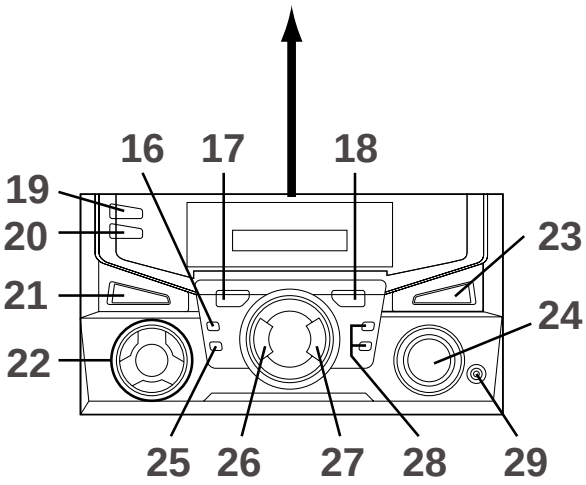
■ Front panel



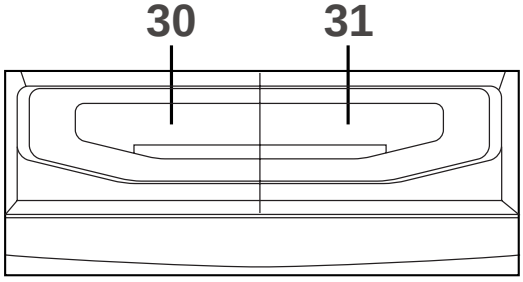
1. Disc Tray
2. Disc Skip Button
3. Open/Close Button



4. (CD) Disc Number Indicator
5. (TAPE 2) Record Indicator
6. Sleep Indicator
7. Extra Bass Indicator
8. Function/CD Track/CD Counter/Frequency/ Preset Channel/Volume/Timer/Sleep Time Indicator
9. (CD/TUNER) Memory Indicator
10. FM Stereo Mode Indicator
11. FM Stereo Indicator
12. (CD) Repeat Indicator
13. (CD) Play Indicator
14. (CD) Pause Indicator
15. Timer Indicators



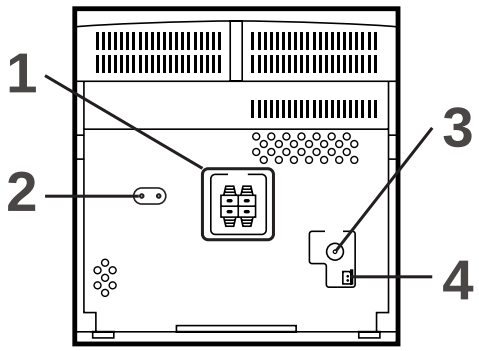
16. (TAPE 2) Record Pause Button
17. (CD) Track Down/Review Button
    (TUNER) Preset Down Button
    (TAPE 2) Rewind Button
18. (CD) Track Up/Cue Button
    (TUNER) Preset Up Button
    (TAPE 2) Fast Foward Button
19. Timer/Sleep Button
20. Clock Button
21. On/Stand-by Button
22. Function Selector Buttons
23. Extra Bass/Demo Button
24. Volume Up/Down Buttons
25. Memory/Set Button
26. (CD/TAPE) Stop Button
27. (CD) Play/Repeat Button
    (TAPE) Play Button
28. Tuning and Time Up/Down Buttons
29. Headphone Socket



30. (TAPE 1) Cassette Compartment
31. (TAPE 2) Cassette Compartment

■ Rear panel

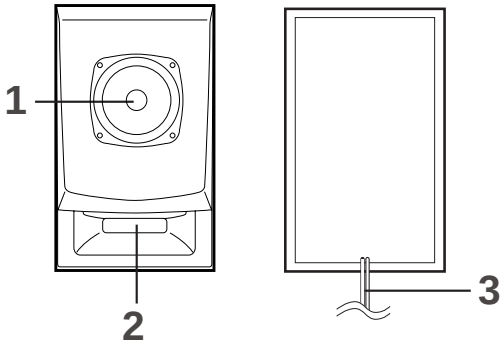
1. Speaker Terminals
2. AC Power Input Socket
3. FM 75 Ohms Aerial Socket
4. AM Loop Aerial Input Socket



CP-C605H

■ Speaker

1. Full-Range Speaker
2. Bass Reflex Duct
3. Speaker Wire



CD-C605H

■ Remote control

1. Remote Control Transmitter LED

● CD control section

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

● Tuner control section

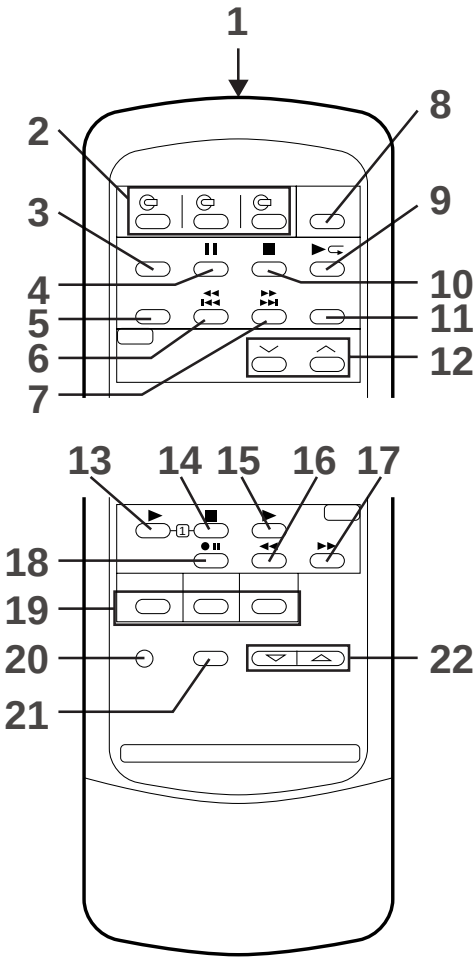
12. Preset Up/Down Buttons

● Tape control section

13. (TAPE 1) Play Button
14. (TAPE 1/2) Stop Button
15. (TAPE 2) Play Button
16. (TAPE 2) Rewind Button
17. (TAPE 2) Fast Forward Button
18. (TAPE 2) Record Pause Button

● Common section

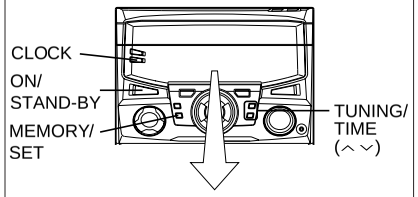
19. Function Selector Buttons
20. On/Stand-by Button
21. Extra Bass Button
22. Volume Up/Down Buttons

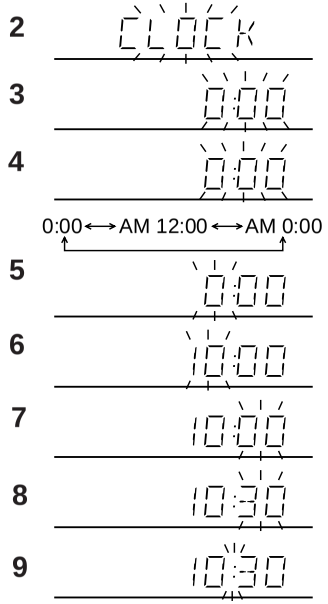


SETTING THE CLOCK

(Main unit operation)

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





1 Press the ON/STAND-BY button to enter the stand-by mode.

2 Press the CLOCK button.

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

4 Press the TUNING/TIME (∧ or ∨) button to select the time display mode.

"0:00" → The 24-hour display will appear. (0:00 - 23:59)
"AM 12:00" → The 12-hour display will appear. (AM or PM 12:00 - 11:59)
"AM 0:00" → The 12-hour display will appear. (AM or PM 0:00 - 11:59)

- Note that this can only be set when the unit is first installed or it has been reset.

5 Press the MEMORY/SET button.

6 Press the TUNING/TIME (∧ or ∨) button to adjust the hour.

- Press the TUNING/TIME (∧ or ∨) button once to advance the time by 1 hour. Hold it down to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".

7 Press the MEMORY/SET button.

8 Press the TUNING/TIME (∧ or ∨) button to adjust the minutes.

- Press the TUNING/TIME (∧ or ∨) button once to advance the time by 1 minute. Hold it down to change the time in 5 minute intervals.
- The hour setting will not advance even if minutes advance from "59" to "00".

9 Press the MEMORY/SET button.

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

To see the time display:

Press the CLOCK button.

- The time display will appear for about 5 seconds.

Note:

- The clock display will flash on and off at the push of the CLOCK button when the AC power supply is restored after a power failure occurs or after the AC power lead is disconnected. If this happens, follow the procedure below to change the clock time.

To change the clock time:

① Press the CLOCK button.

② Within 5 seconds, press the MEMORY/SET button.

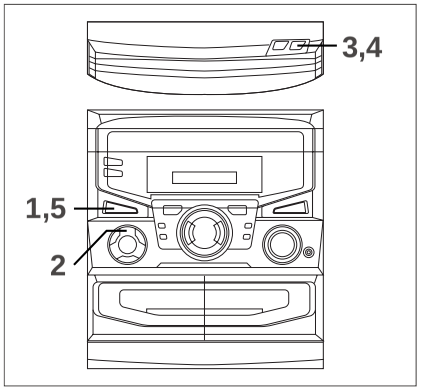
③ Perform steps 6 - 9 above.

To change the time display mode:

① Perform steps 1 - 2 in the section "RESETTING THE MICROCOMPUTER".

② Perform steps 1 - 9 above.

TRANSPORTING THE UNIT



Before you move this product to a new location, proceed as follows:

1 Press the ON/STAND-BY button to turn the power on.

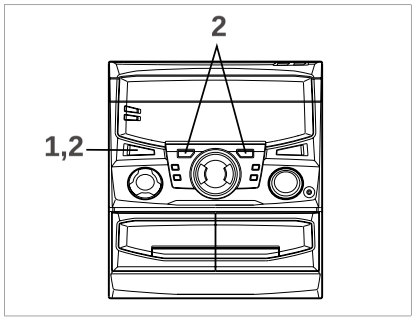
2 Press the CD button.

3 Press the OPEN/CLOSE button to open the disc tray.
- Remove all CDs inserted in the unit.

4 Press the OPEN/CLOSE button to close the disc tray.
- Make sure that "NO DISC" is displayed.

5 Press the ON/STAND-BY button to enter the stand-by mode, and then unplug the AC power lead from the AC socket.

RESETTING THE MICROCOMPUTER



Reset the microcomputer under the following conditions:

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

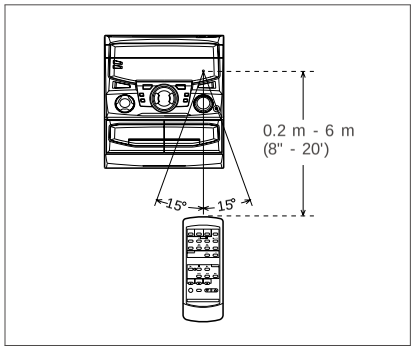
1 Press the ON/STAND-BY button to enter the stand-by mode.

2 Whilst pressing down the ⏮/◀◀ button and the ▶▶/⏭ button, hold down the ON/STAND-BY button for at least 1 second.

Caution:

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

PREPARATION FOR USE



■ Remote control

Notes concerning use:

- Replace the batteries if the operating distance is reduced or if the 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.

DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:
1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

CD-C605H

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw ..... (A1) x4	7-1
2	Side Panel (Left/Right)	1. Screw ..... (B1) x6 2. Hook ..... (B2) x2	7-1
3	CD Play Unit/ CD Player Unit	1. Turn on the power supply, open the disc tray, take out the CD tray cover, and close. (Note 1) 2. Hook ..... (C1) x5 3. Socket ..... (C2) x2	7-2
4	Back Board	1. Screw ..... (D1) x5	7-2
5	Main PWB	1. Screw ..... (E1) x3 2. Socket ..... (E2) x5 3. Flat wire ..... (E3) x3	8-1
6	Tuner PWB	1. Screw ..... (F1) x2	8-1
7	Front Panel	1. Screw ..... (G1) x2	8-1
8	Headphones PWB	1. Screw ..... (H1) x1 2. Guide ..... (H2) x1	8-2
9	Display PWB/ Switch PWB	1. Screw ..... (J1) x8 2. Hook ..... (J2) x7 3. Socket ..... (J3) x1	8-2
10	Tape Mechanism	1. Open the cassette holder. 2. Screw ..... (K1) x6	8-2
11	Turntable	1. Screw ..... (L1) x1 2. Guide ..... (L2) x1	8-3
12	Disc Tray	1. Screw ..... (M1) x2 2. Guide ..... (M2) x2	8-3
13	CD Servo PWB (Note 2)	1. Screw ..... (N1) x1 2. Socket ..... (N2) x4	8-4
14	CD Changer Mechanism	1. Screw ..... (P1) x4	8-5
15	CD Mechanism	1. Screw ..... (Q1) x1	8-5

Note 1:
How to open the change manually.
1. First, turn fully the lock lever in the arrow direction through the hole on the loading chassis bottom in this state. After that, push forward the CD player base. (Fig. 7-3)

Note 2:
1. After disconnecting the optical pickup connector, wrap the front end of connector in conductive aluminum foil to prevent damage to the optical pickup by static electricity.

CD-C605H

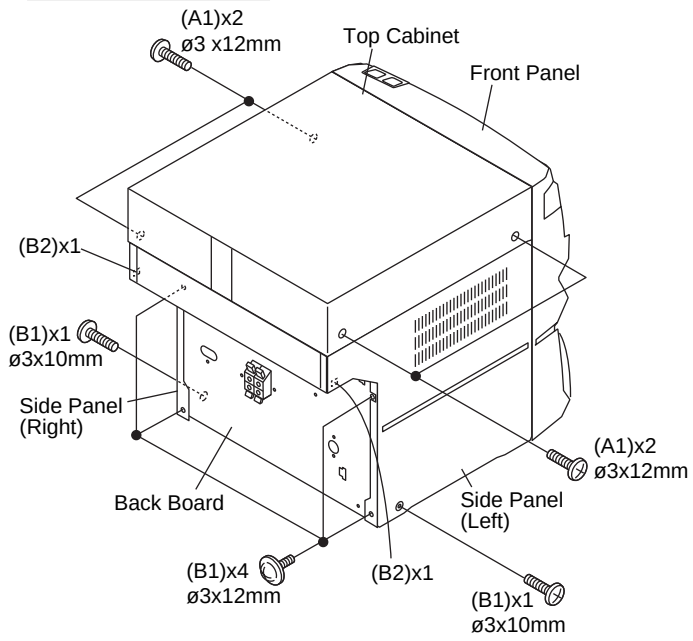


Figure 7-1

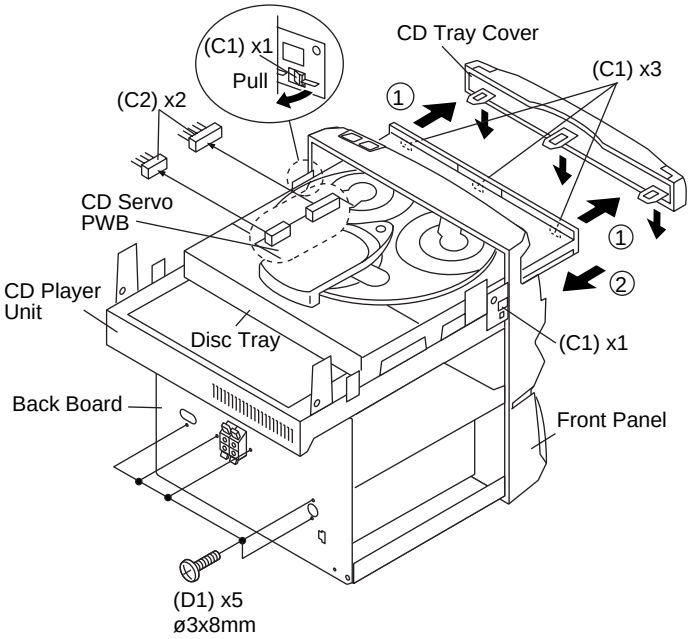


Figure 7-2

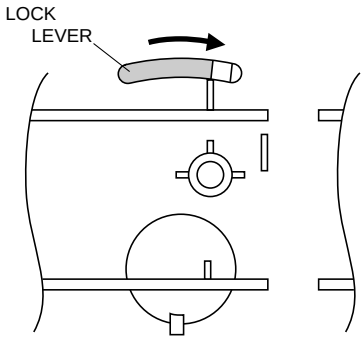


Figure 7-3

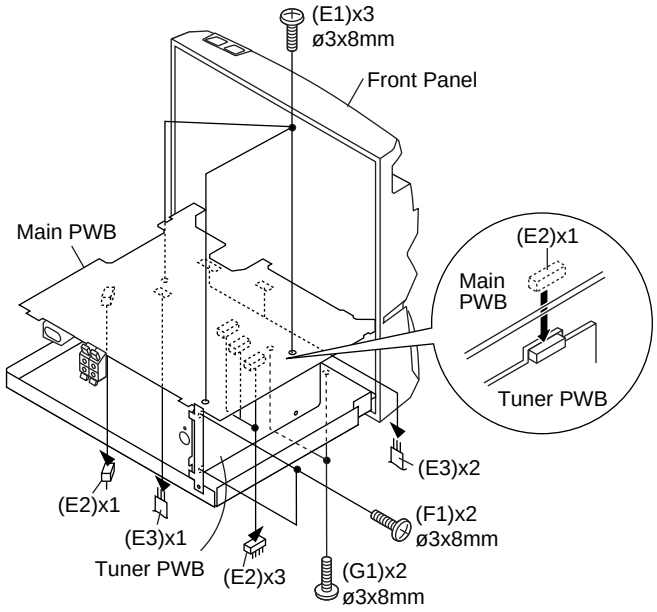


Figure 8-1

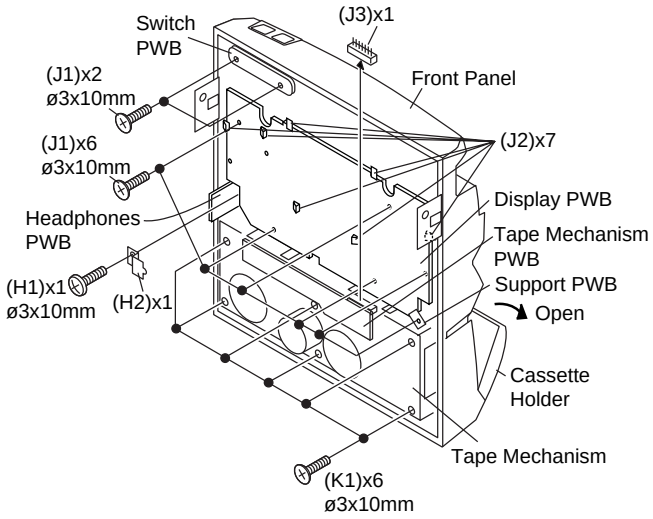


Figure 8-2

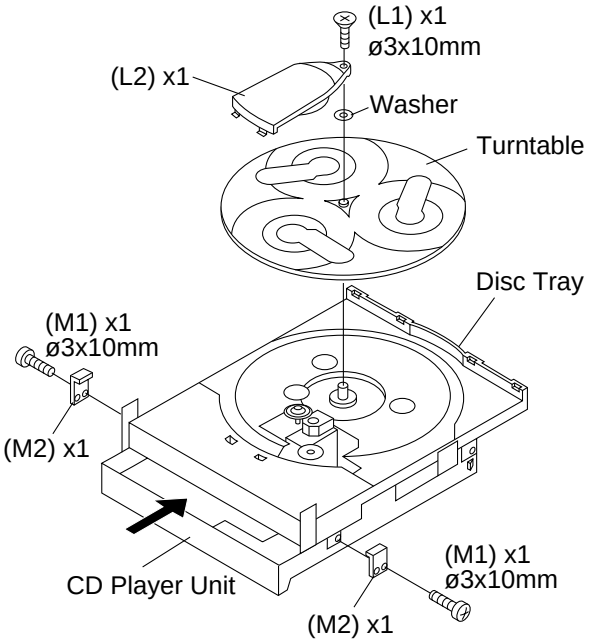


Figure 8-3

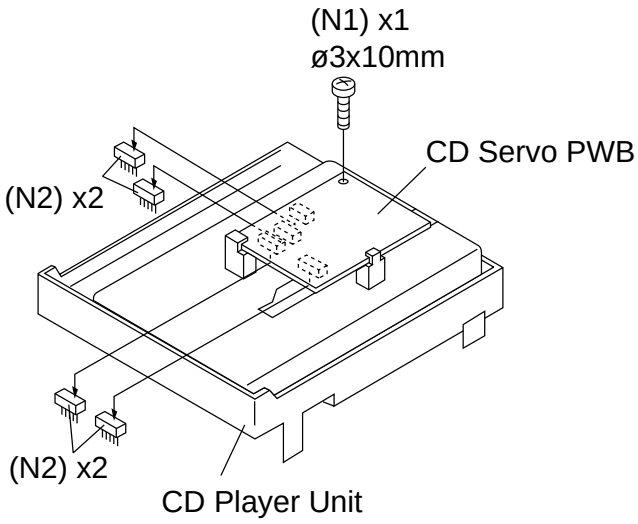
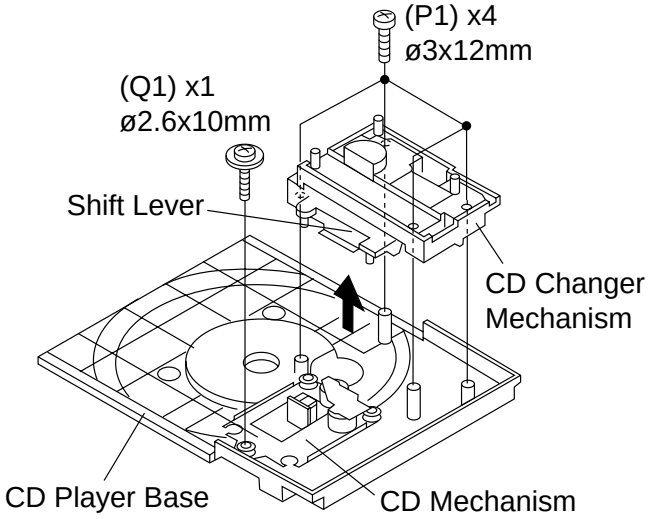


Figure 8-4



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

Figure 8-5

CP-C605H

STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Net Frame ..... (A1) x1 2. Duct Panel ..... (A2) x1 3. Screw ..... (A3) x4	9-1

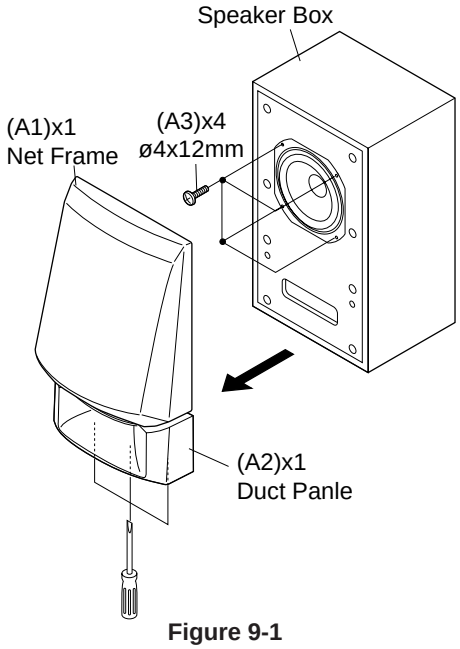


Figure 9-1

REMOVING AND REINSTALLING THE MAIN PARTS

CD MECHANISM SECTION

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

How to remove the turntable up/down/loading motor (See Fig. 9-2)

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

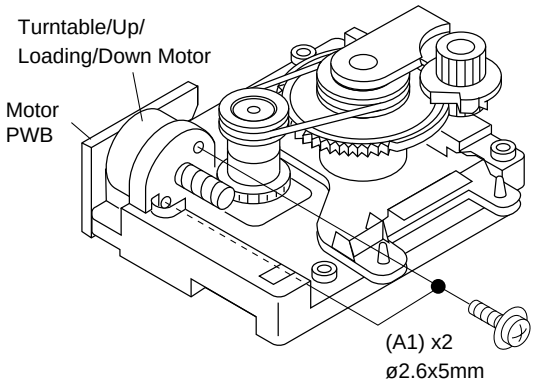


Figure 9-2

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

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

Note:
After disconnecting the optical pickup connector, wrap the front end of connector in conductive aluminum foil to prevent damage to the optical pickup by static electricity.

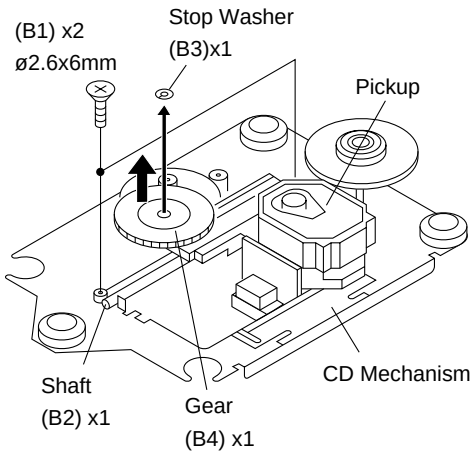


Figure 9-3

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

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

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 60 g. cm	30 to 60 g.cm
Fast forward: TW-2231	—	60 to 120 g.cm
Rewind: TW-2231	—	60 to 120 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable resistor in motor (MM1)	3,000 ± 30 Hz	Speaker terminal (Load resistance: 8 ohms)

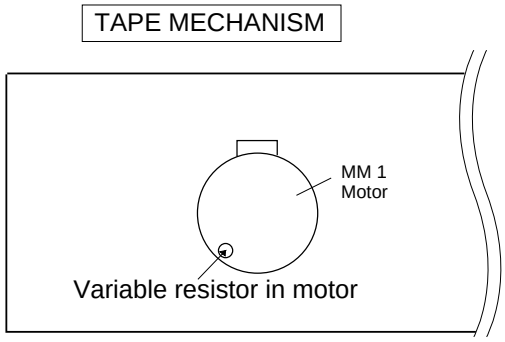


Figure 10-1 ADJUSTMENT POINTS

TUNER SECTION

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

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
IF	450 kHz	1,620 kHz	T351	*1
AM Band Coverage	—	522 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T302	*1

*1. Input: Antenna, Output: TP302
*2. Input: Antenna, Output: TP301

• FM Mute Level

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

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

• FM

Notes:

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

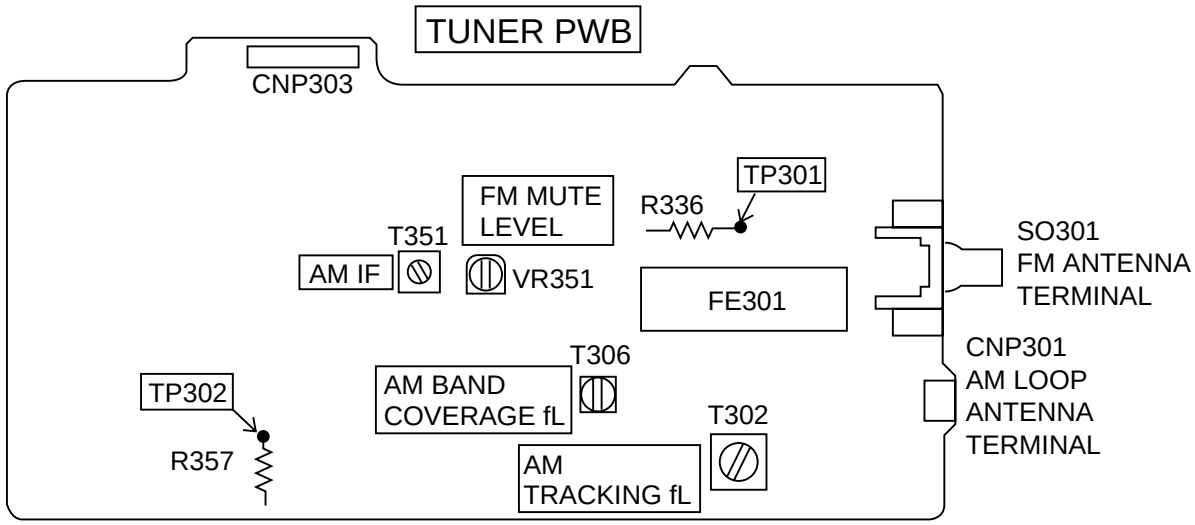


Figure 10-2 ADJUSTMENT POINTS

TEST MODE

• Setting the test mode

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

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

• TEST mode

Function — CD test mode

Setting of TEST mode
Indication of CD TST mode (Fig. 11-1)
OPEN/CLOSE operation is manual operation.
The pickup can be moved by using the (▶▶) or (◀◀) key.
IL is not performed.

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

<PLAY> key input — TOC. IL is performed, and the ordinary PLAY is performed. If the following key is pressed during PLAY, it is possible to specify directly any Track No.
<Disc Number 1> key: Track 4
<Disc Number 2> key: Track 9
<Disc Number 3> key: Track 15
— Press <STOP> key. — Stop

Note:

Only in STOP state it is possible to slide the pickup with the (▶▶) or (◀◀) key.
VOL. --- Last memory
BAL. --- CENTER
R.GEQ. --- FLAT
X-BAS --- OFF

Canceling method - POWER OFF

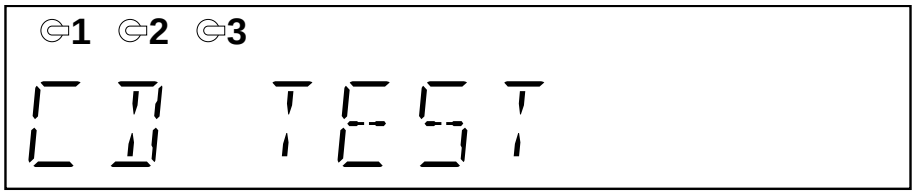


Figure 11-1

CD SECTION

Since this CD system incorporates the following automatic adjustment function, when the pickup is replaced, it is not necessary to readjust it.
Since this CD unit does not need adjustment, the combination of PWB and laser pickup unit is not restricted.

• Automatic adjustment item

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

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

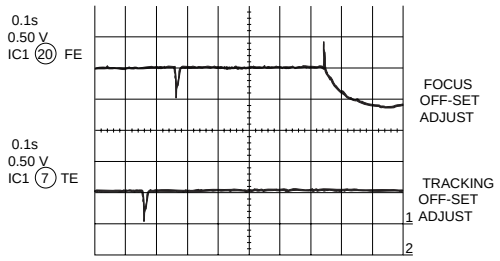


Figure 11-2

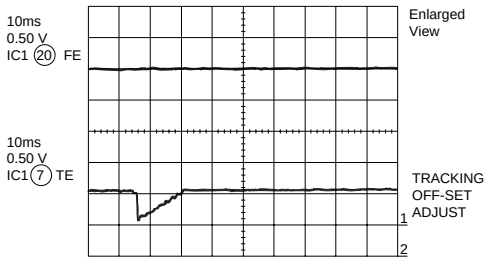


Figure 11-3

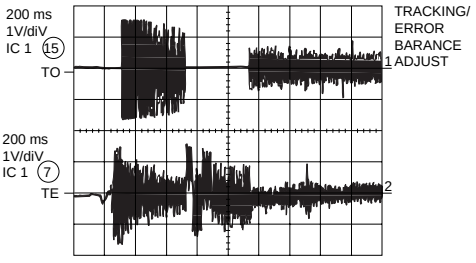


Figure 11-4

CD ERROR CODE DESCRIPTION

When a malfunction occurs during CD operation, an error code will be displayed to identify the function in CD operation which failed.

Error	State Code
0001	Cannot detect pickup-IN SW
0101	Tray close operation error
0105	Tray close operation error
0201	Tray open operation error
0203	Tray open operation error
0304	Disc skip operation error
0305	Disc skip operation error
0307	Disc skip operation error

NOTES ON SCHEMATIC DIAGRAM

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

REF. NO	DESCRIPTION	POSITION
SW1	OPEN/CLOSE	ON—OFF
SW2	MECHA UP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW701	ON/STAND-BY	ON—OFF
SW702	CLOCK	ON—OFF
SW703	TIMER/SLEEP	ON—OFF
SW707	DISK SKIP	ON—OFF
SW708	OPEN/CLOSE	ON—OFF
SW709	REWIND	ON—OFF
SW710	REC PAUSE	ON—OFF
SW711	MEMORY/SET	ON—OFF
SW712	STOP	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW713	TUNER(BAND)	ON—OFF
SW714	TAPE	ON—OFF
SW715	CD	ON—OFF
SW716	FAST FORWARD	ON—OFF
SW717	TUNING UP	ON—OFF
SW718	TUNING DOWN	ON—OFF
SW719	PLAY	ON—OFF
SW720	VOLUME DOWN	ON—OFF
SW721	VOLUME UP	ON—OFF
SW722	X-BASS/DEMO	ON—OFF
SWM3	FOOI PROOF	ON—OFF
SWM4	F.A.S.	ON—OFF
SWM5	CAM	ON—OFF

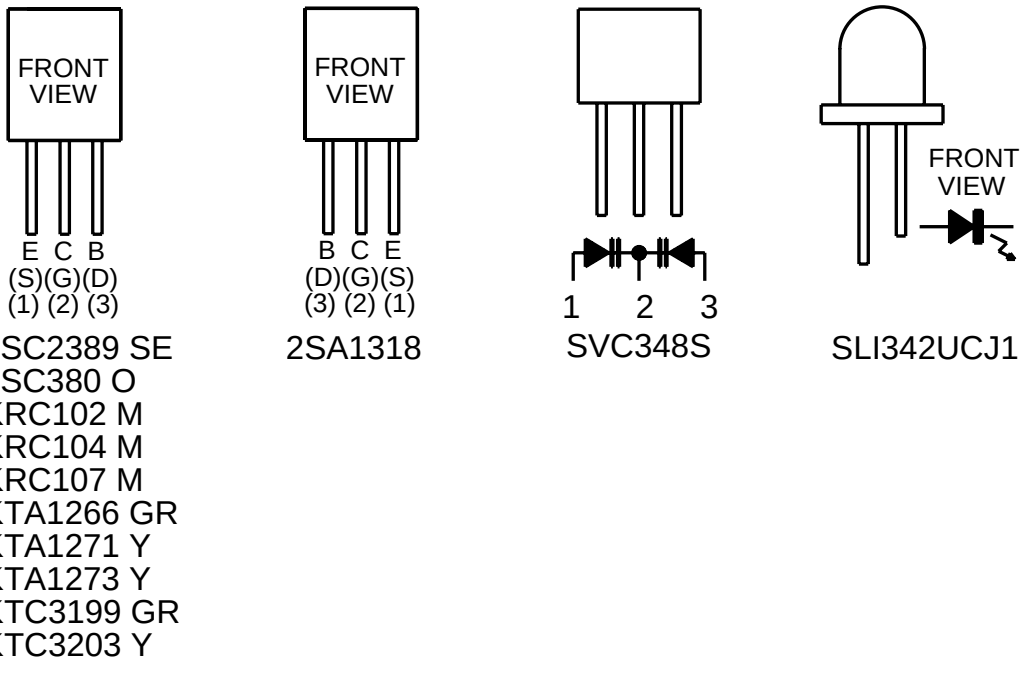


Figure 12 TYPES OF TRANSISTOR AND LED

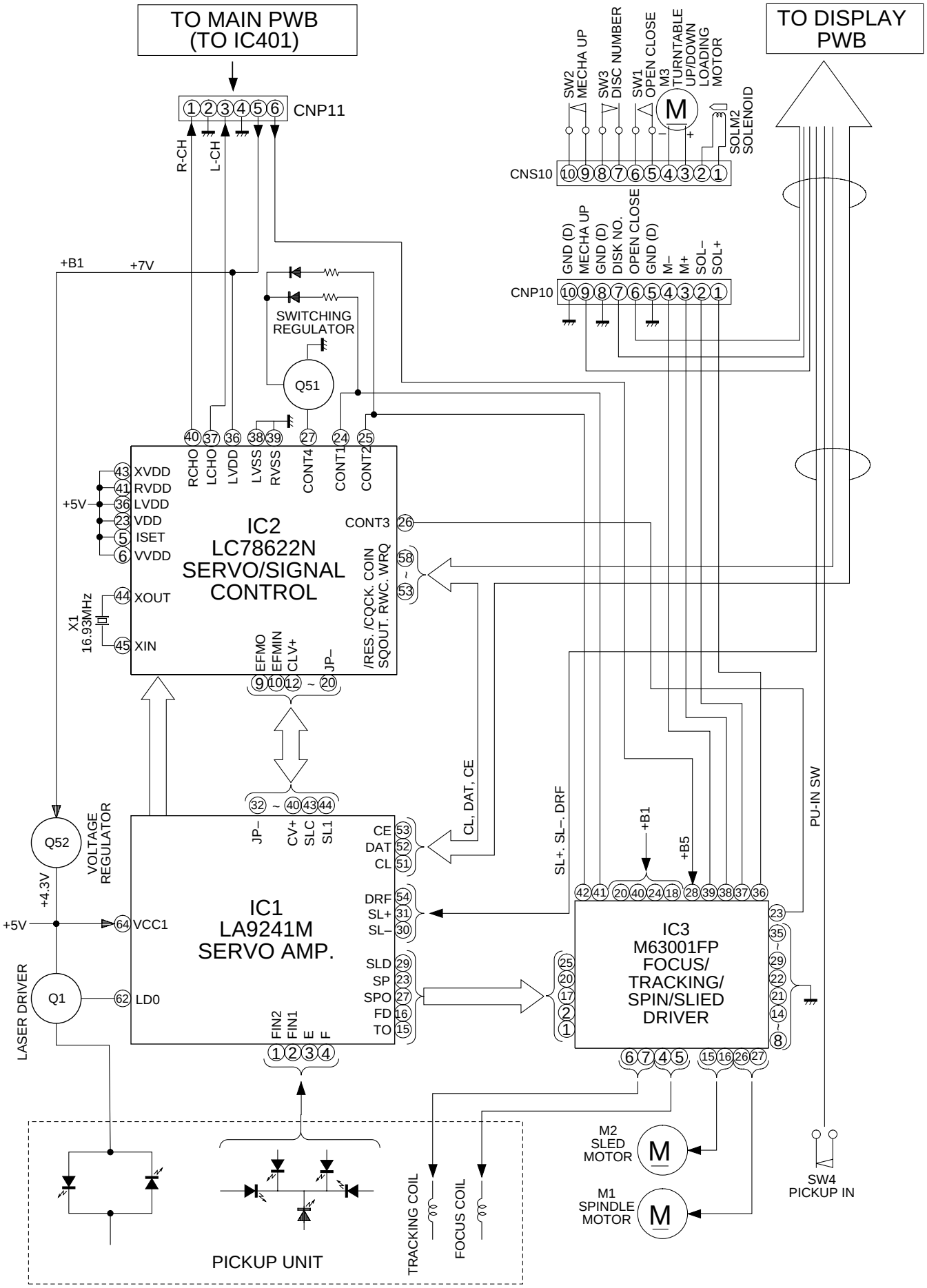


Figure 13 BLOCK DIAGRAM (1/3)

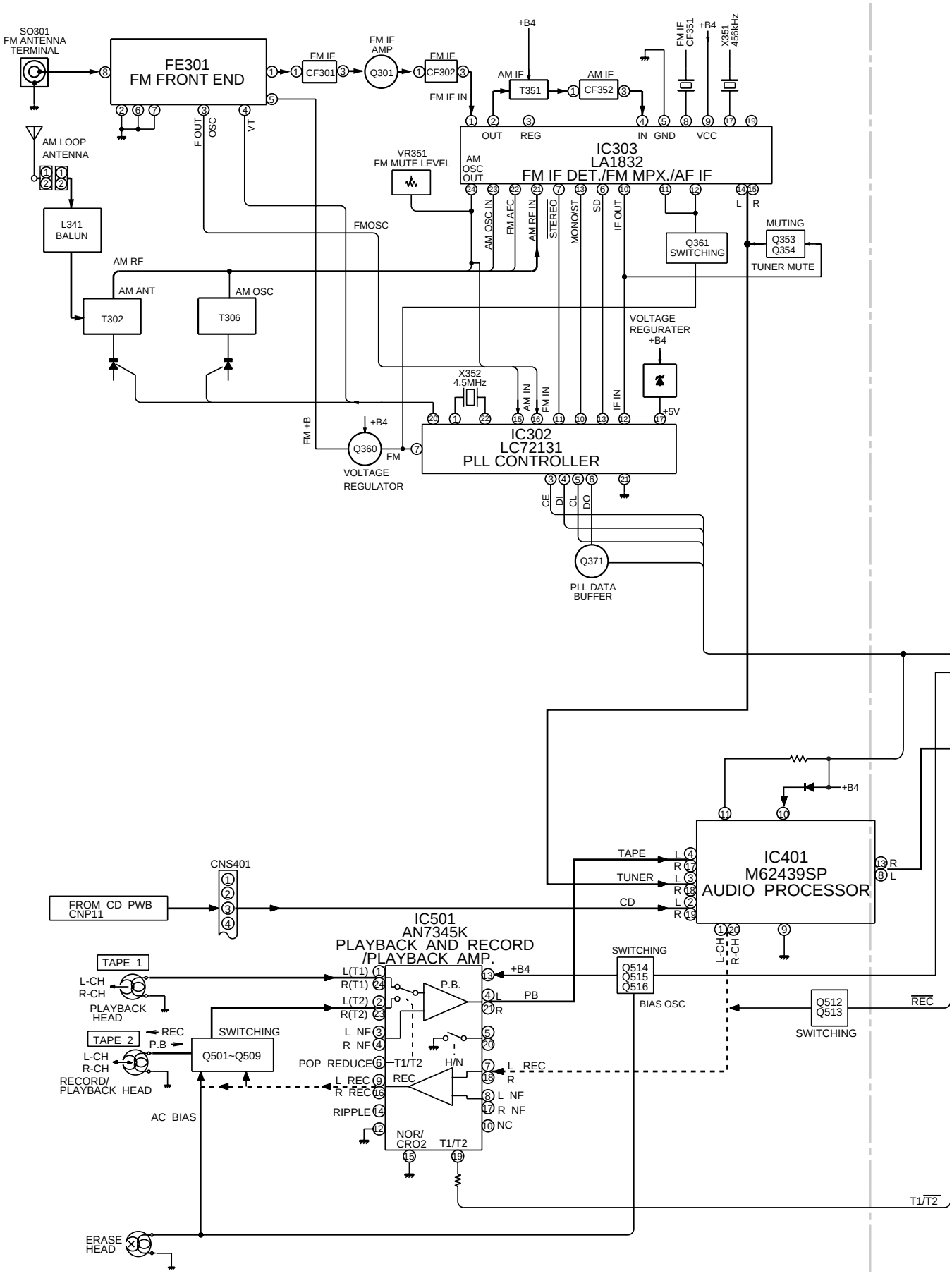


Figure 14 BLOCK DIAGRAM (2/3)

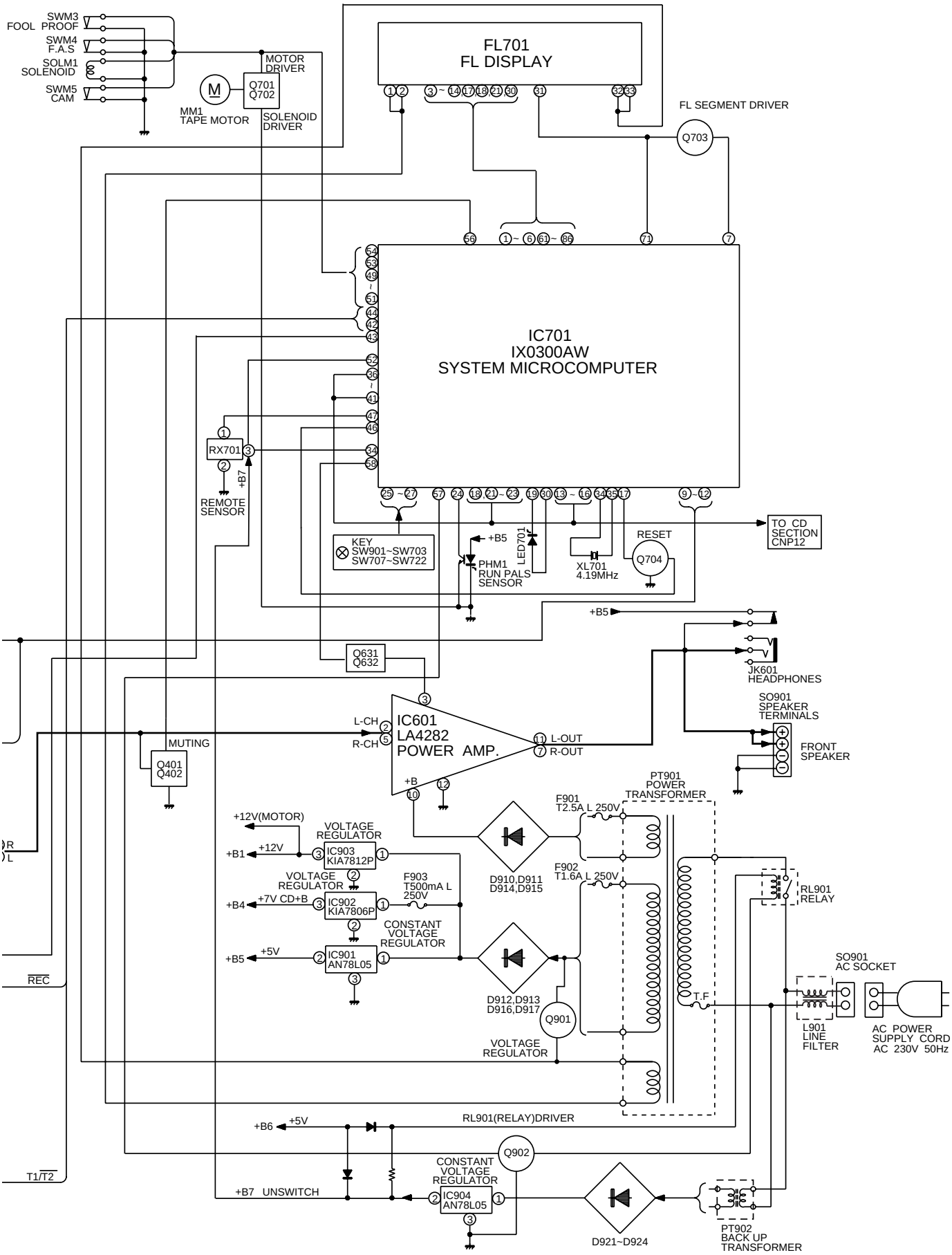
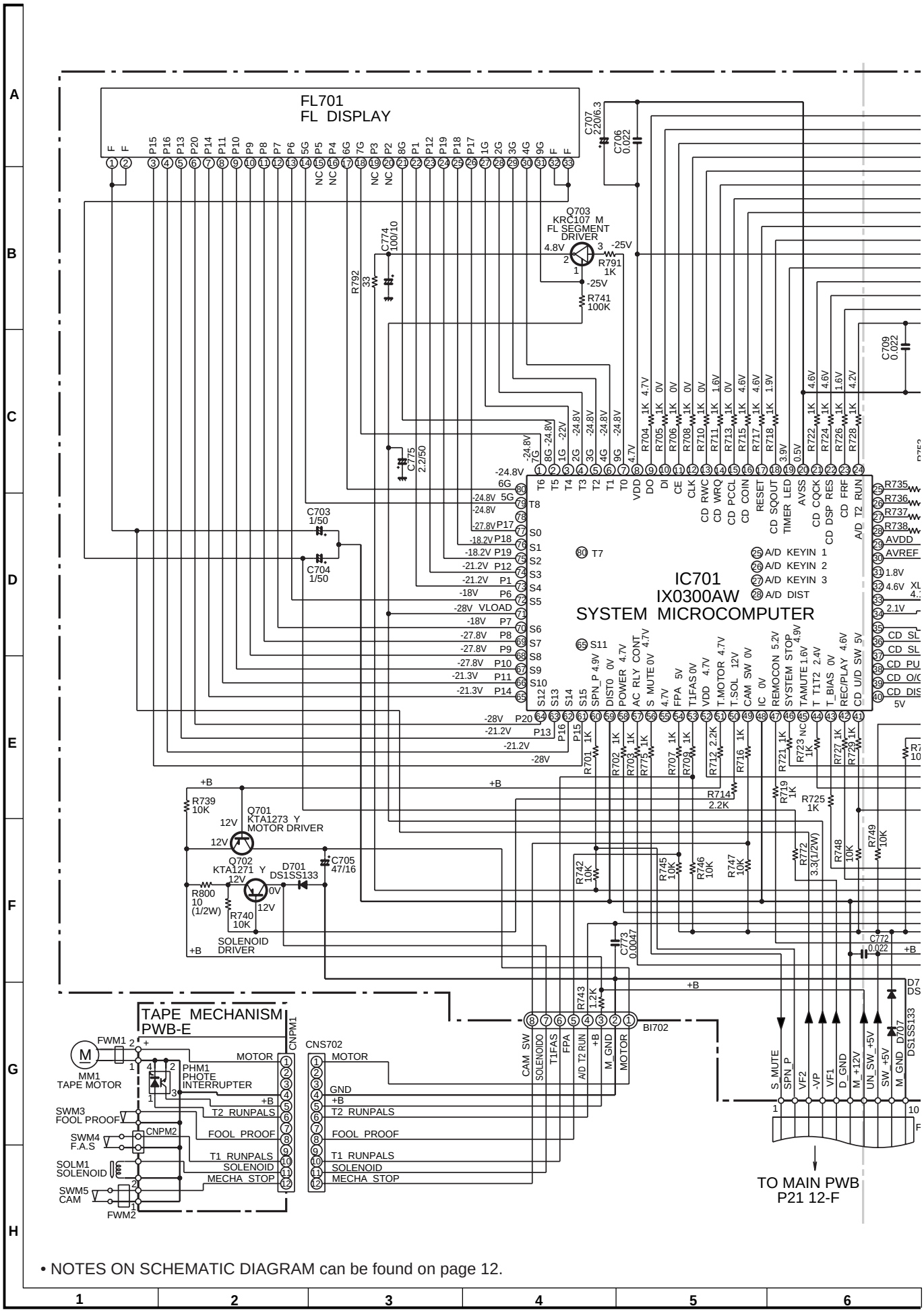
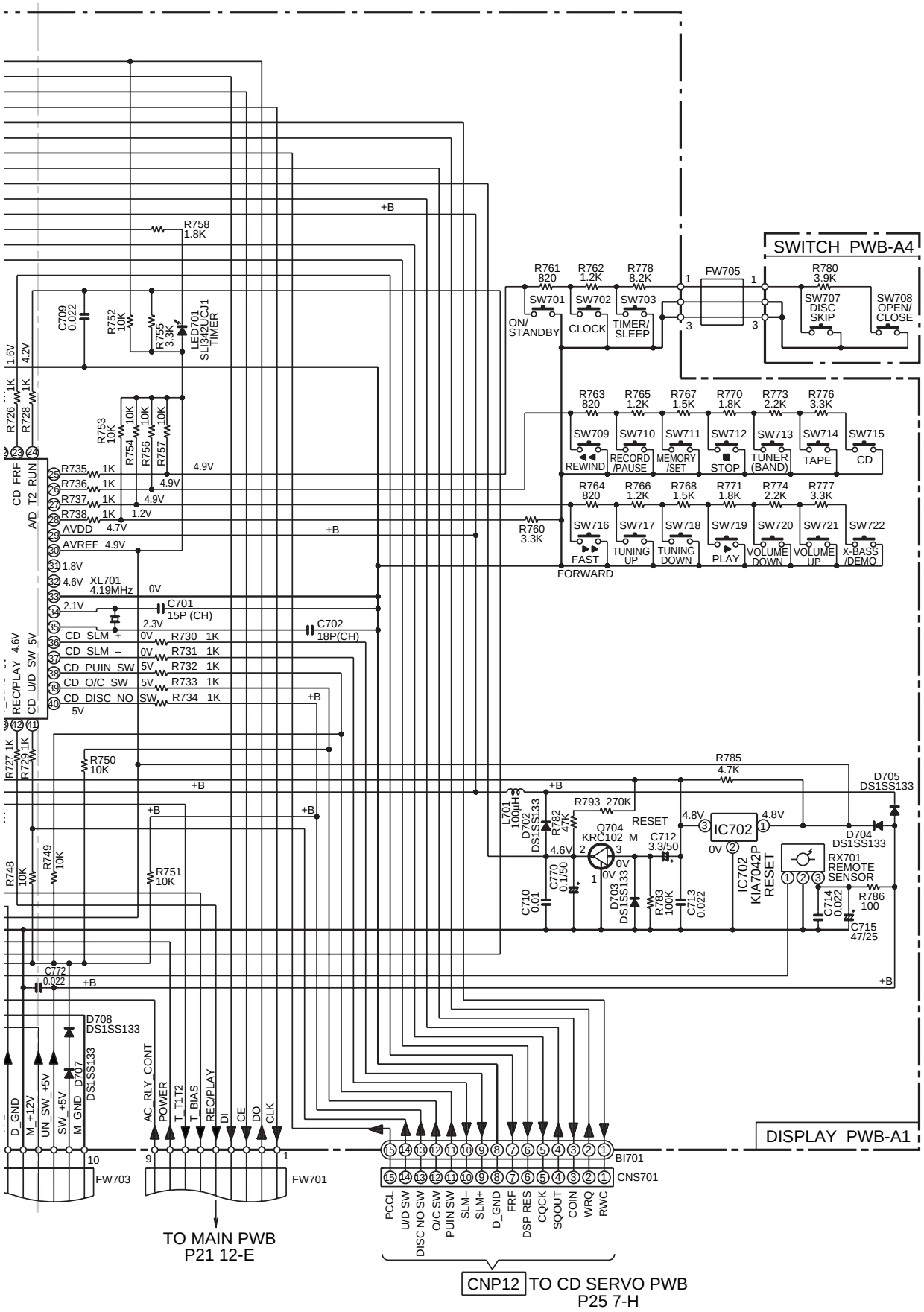


Figure 15 BLOCK DIAGRAM (3/3)



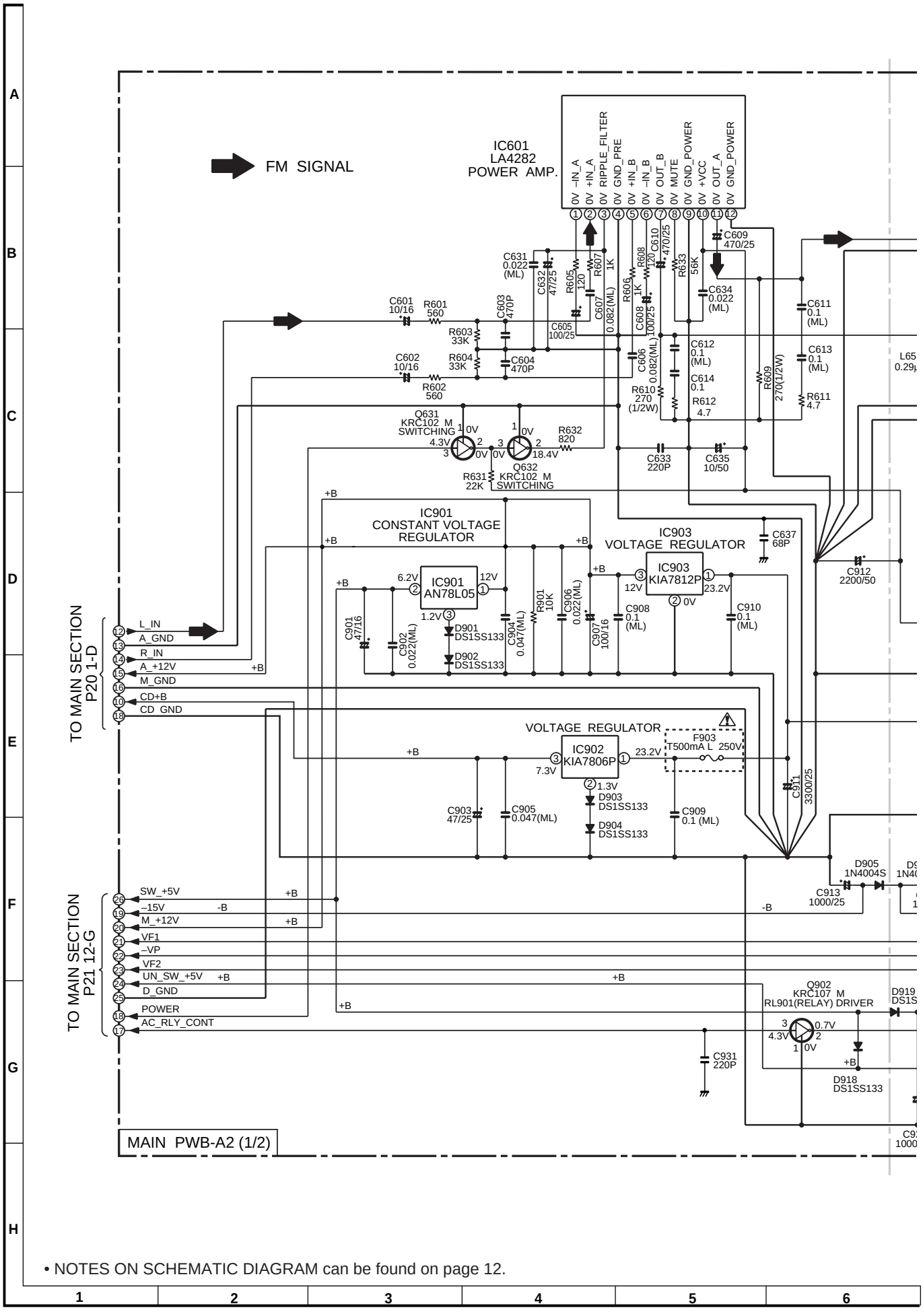
• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 16 SCHEMATIC DIAGRAM (1/10)



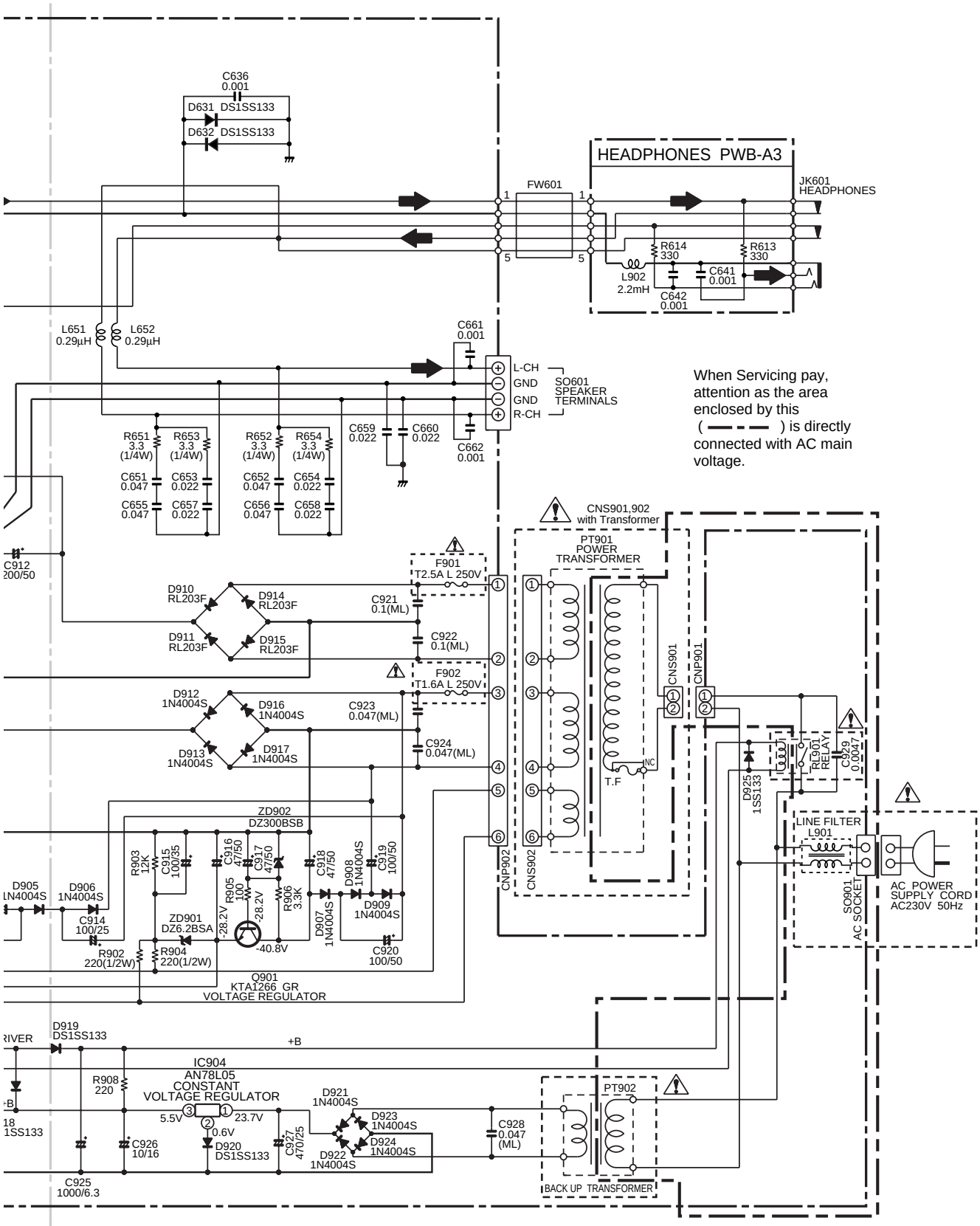
7	8	9	10	11	12

Figure 17 SCHEMATIC DIAGRAM (2/10)



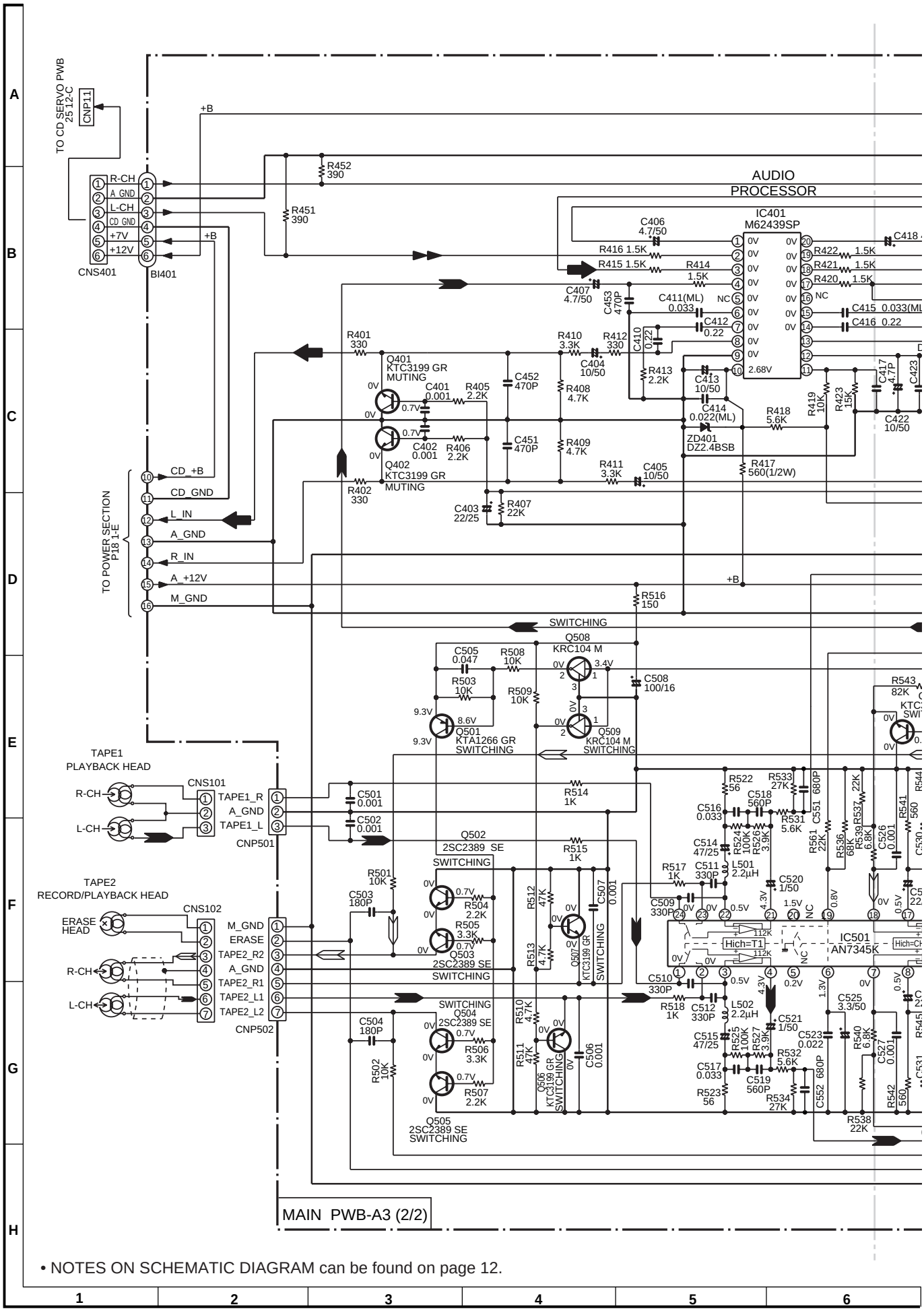
• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 18 SCHEMATIC DIAGRAM (3/10)



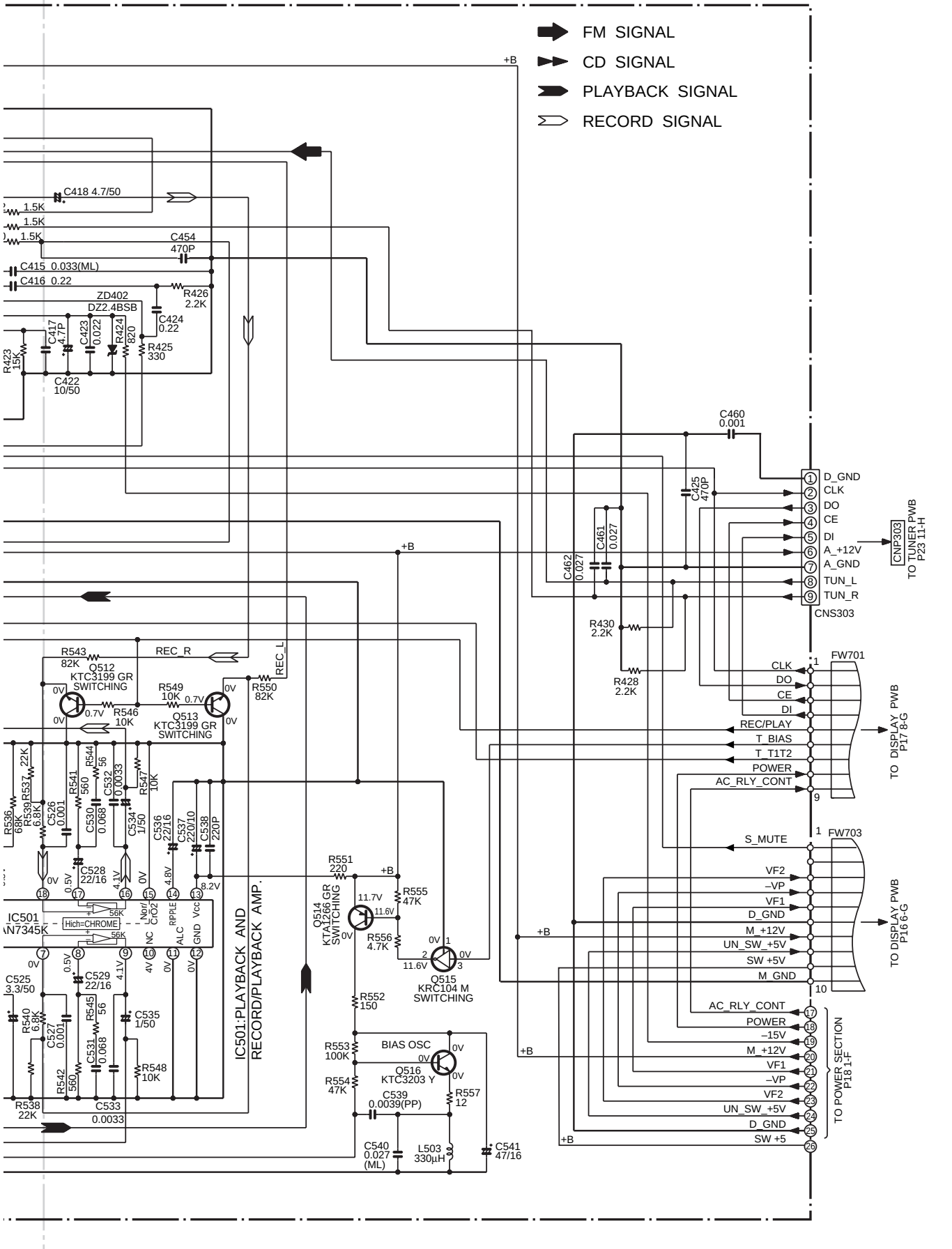
7	8	9	10	11	12

Figure 19 SCHEMATIC DIAGRAM (4/10)



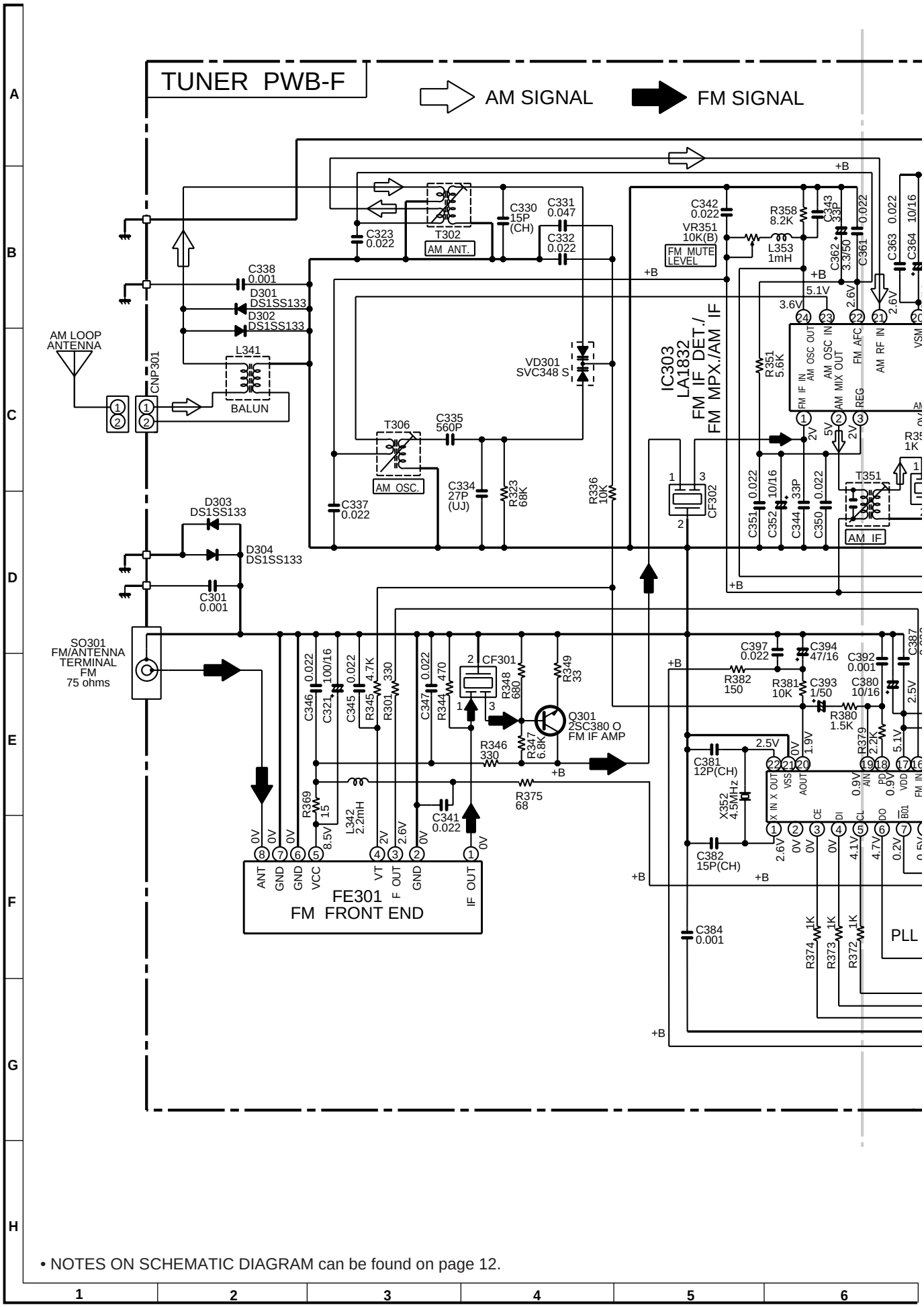
• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 20 SCHEMATIC DIAGRAM (5/10)



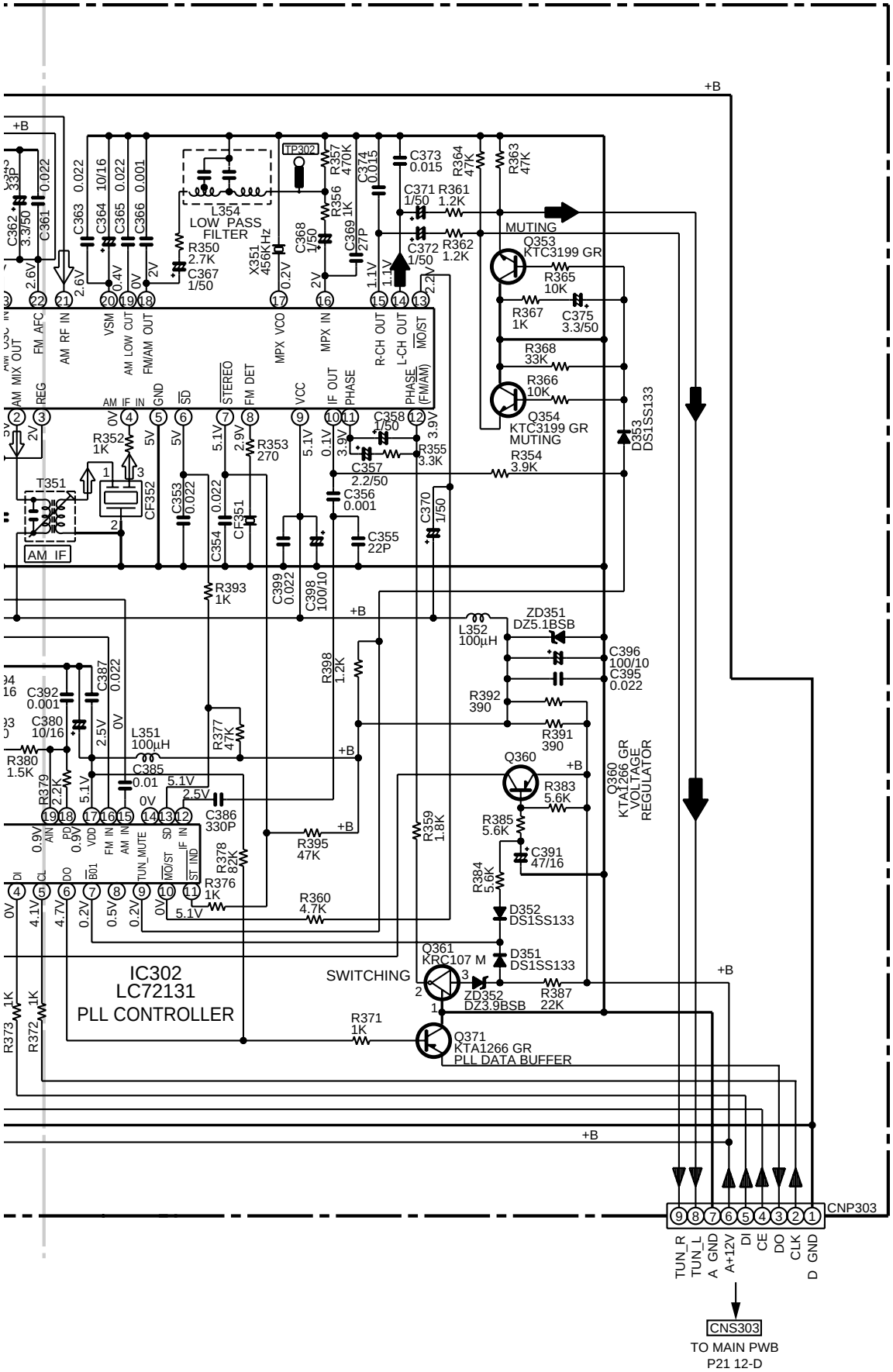
7	8	9	10	11	12

Figure 21 SCHEMATIC DIAGRAM (6/10)



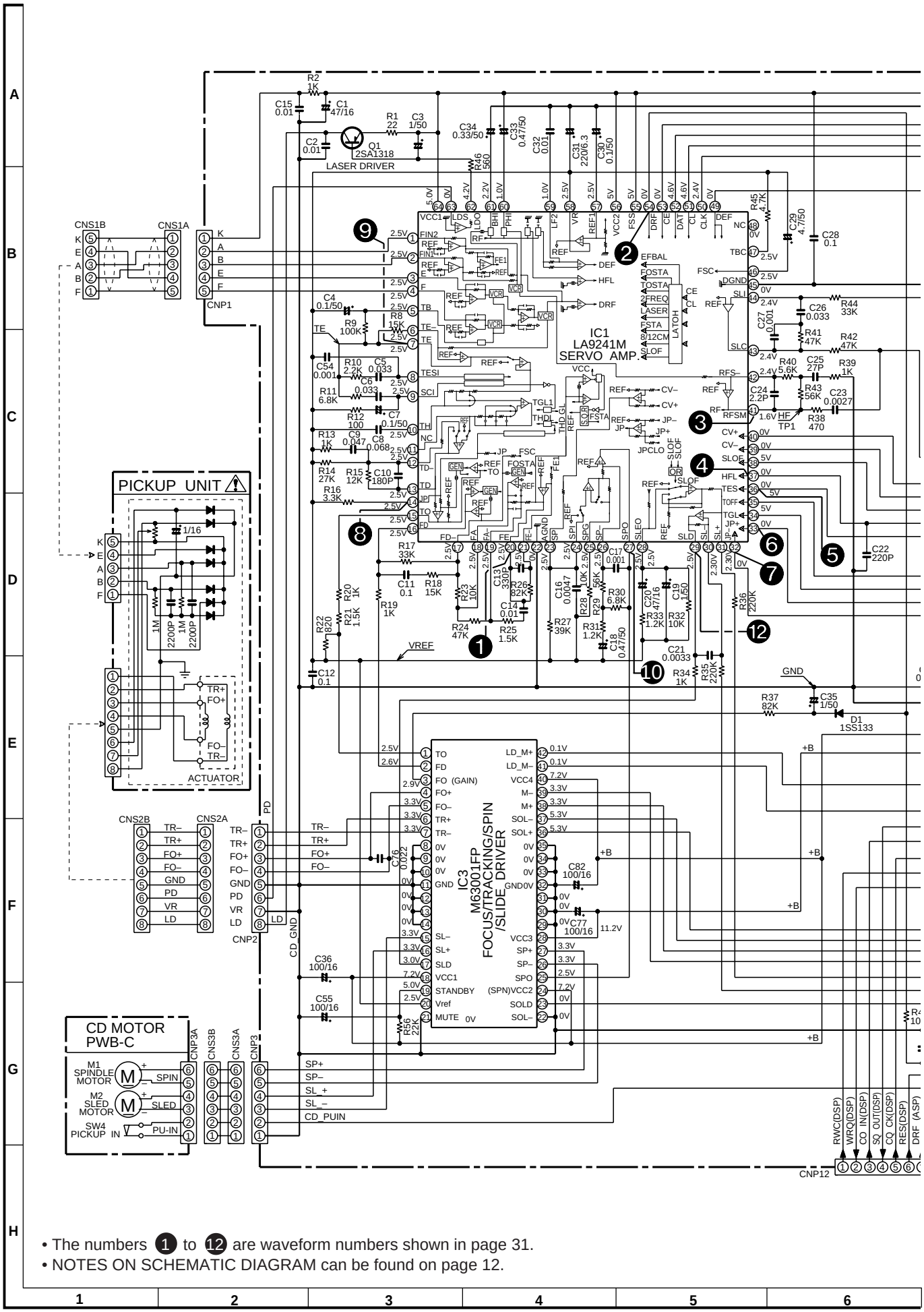
• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 22 SCHEMATIC DIAGRAM (7/10)



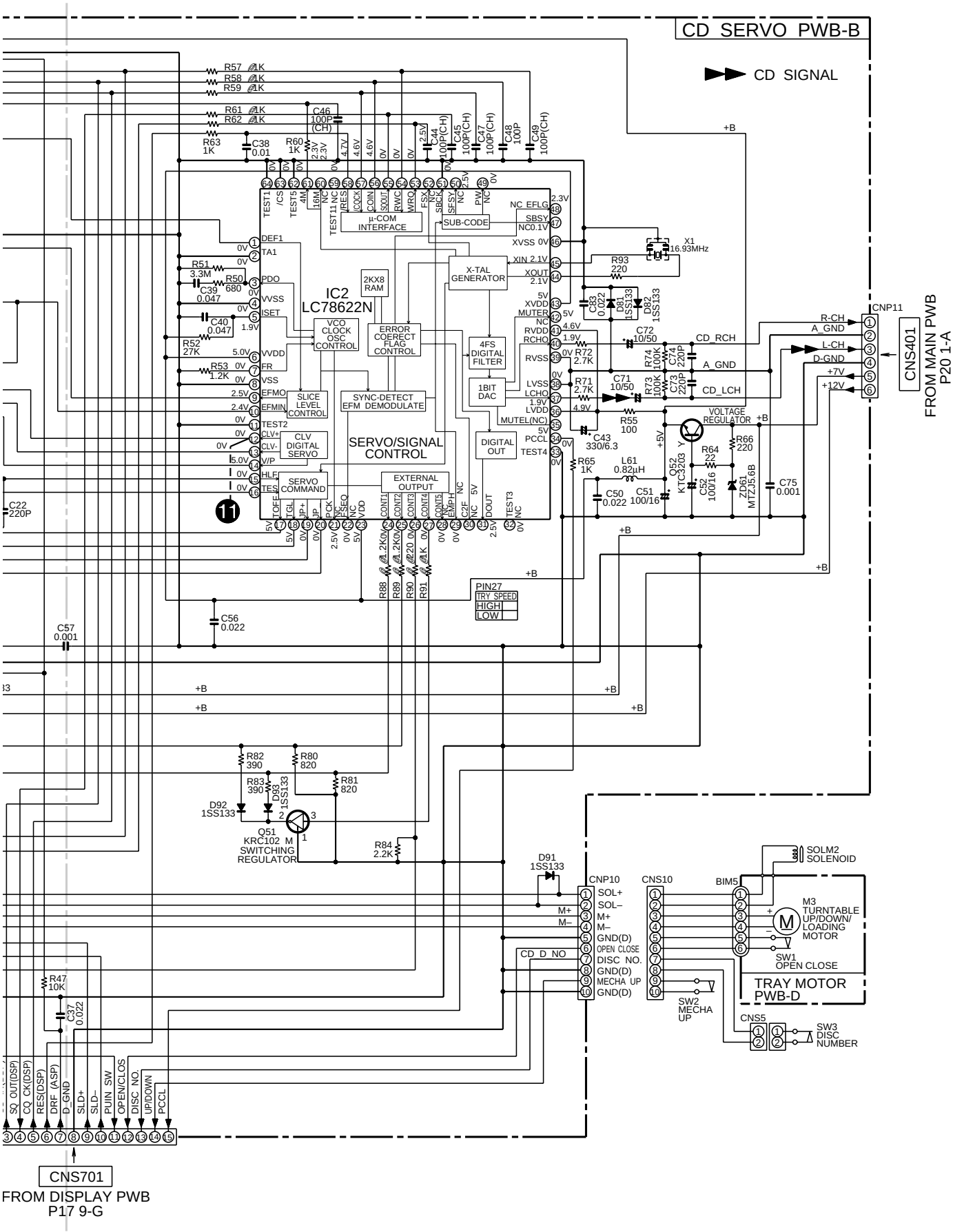
7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (8/10)



• The numbers ❶ to ⓬ are waveform numbers shown in page 31.
• NOTES ON SCHEMATIC DIAGRAM can be found on page 12.

Figure 24 SCHEMATIC DIAGRAM (9/10)



7	8	9	10	11	12

Figure 25 SCHEMATIC DIAGRAM (10/10)

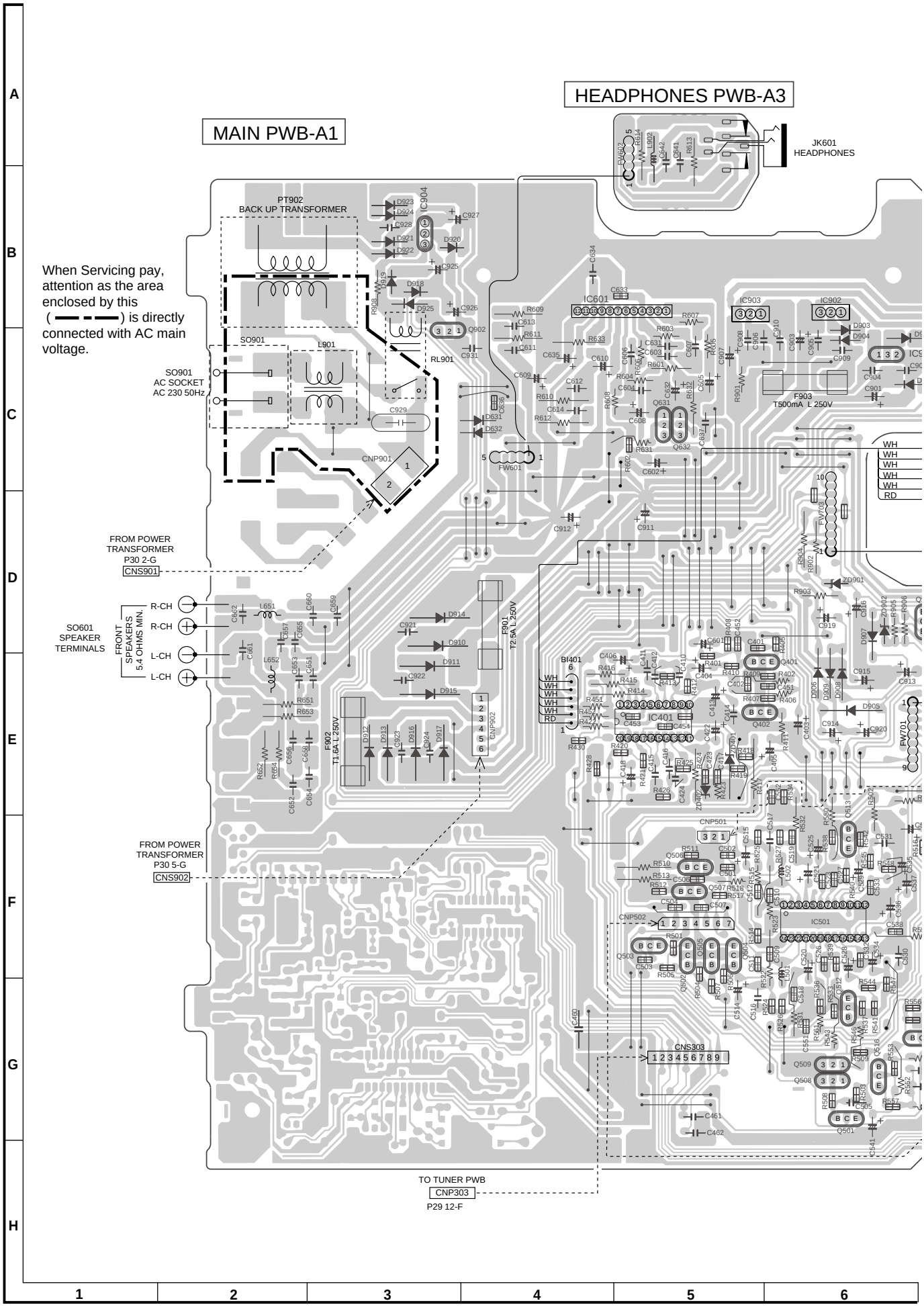
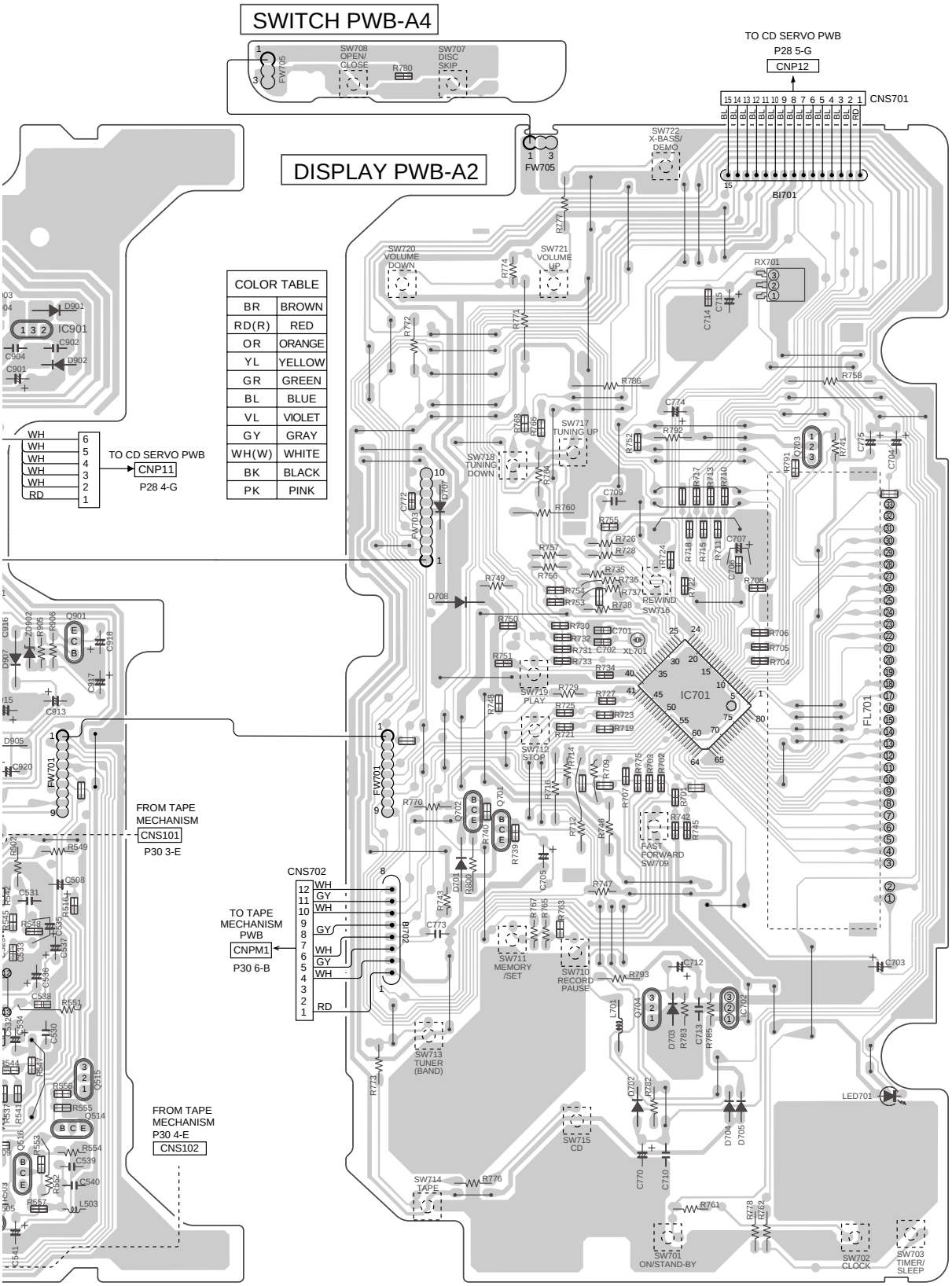
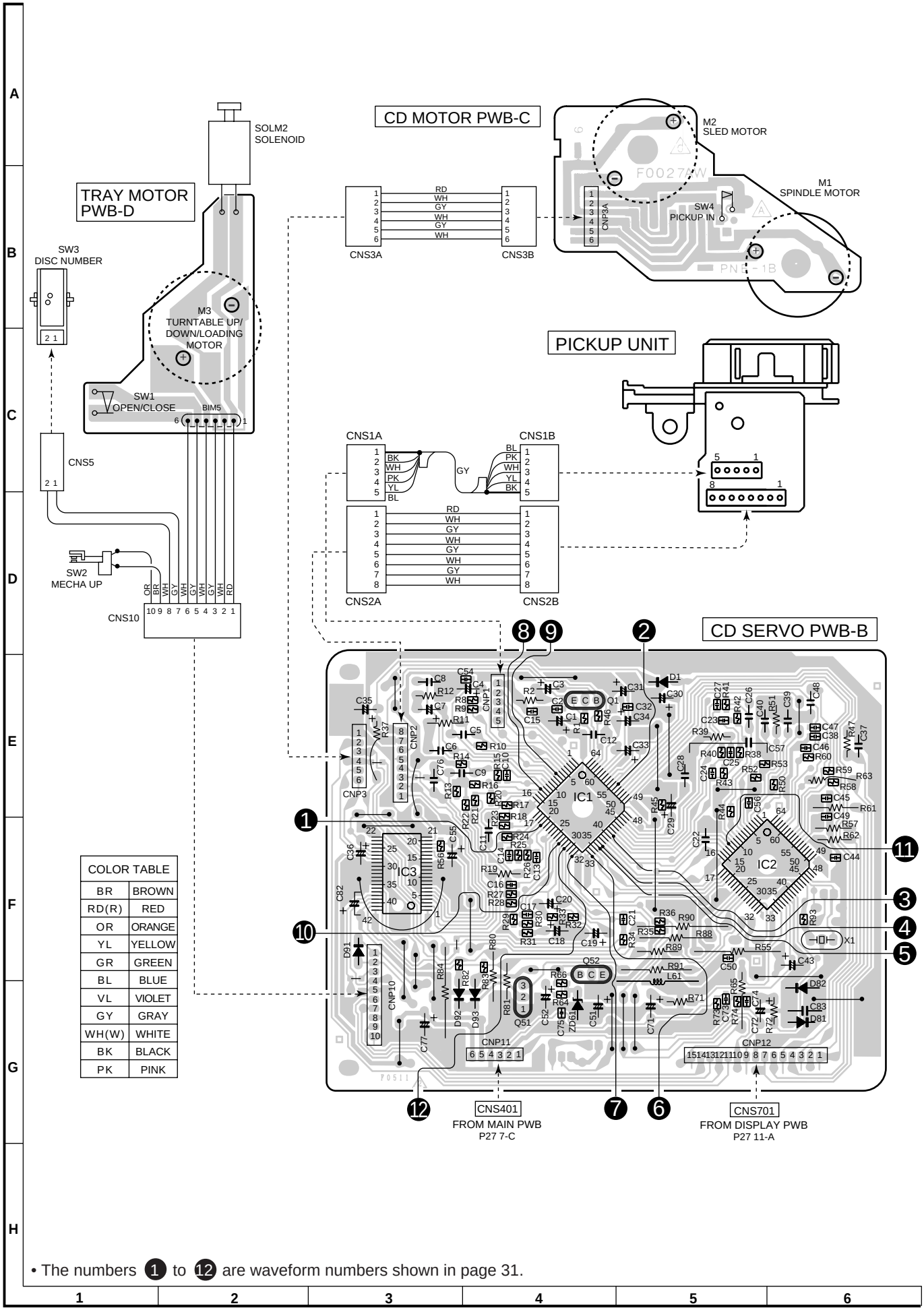


Figure 26 WIRING SIDE OF P.W.BOARD (1/5)



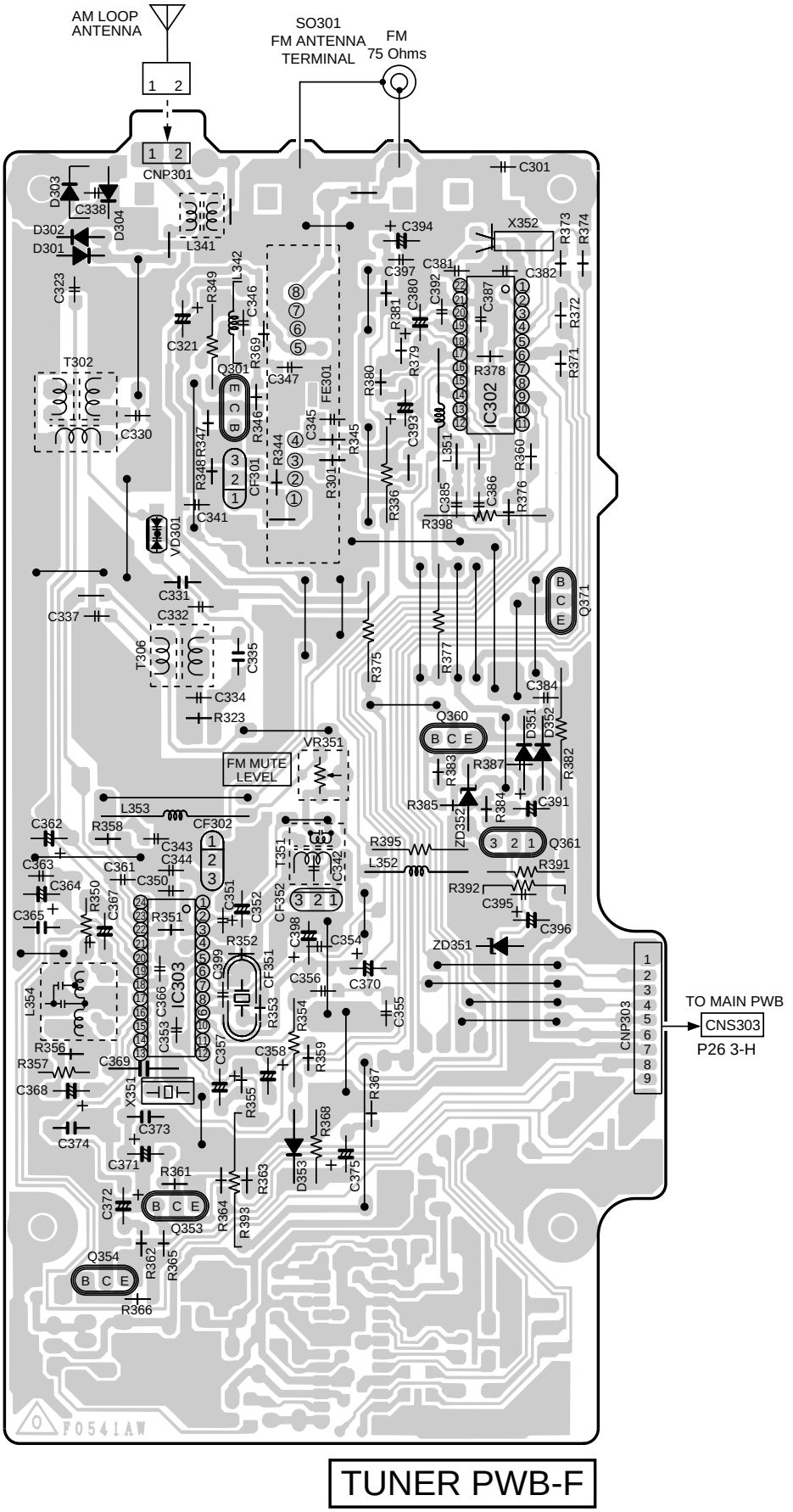
7	8	9	10	11	12

Figure 27 WIRING SIDE OF P.W.BOARD (2/5)



• The numbers ❶ to ⓬ are waveform numbers shown in page 31.

Figure 28 WIRING SIDE OF P.W.BOARD (3/5)

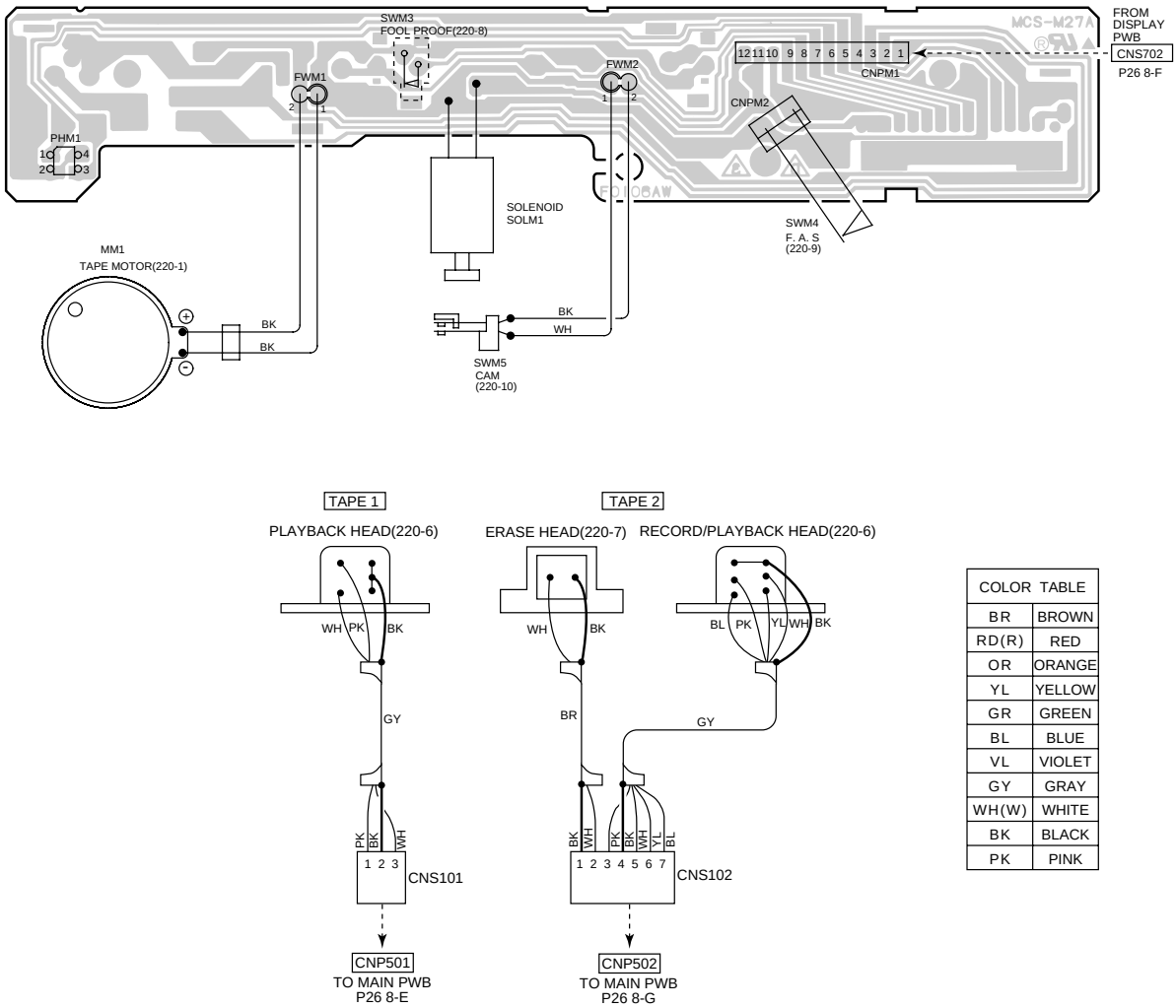


7	8	9	10	11	12

Figure 29 WIRING SIDE OF P.W.BOARD (4/5)

TAPE MECHANISM ASSEMBLY

TAPE MECHANISM PWB-E



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

PT901
POWER TRANSFOMER

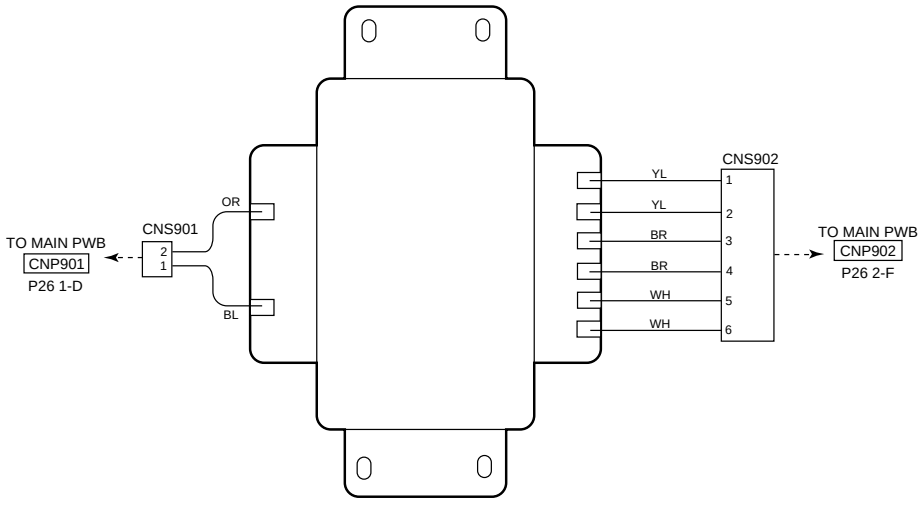
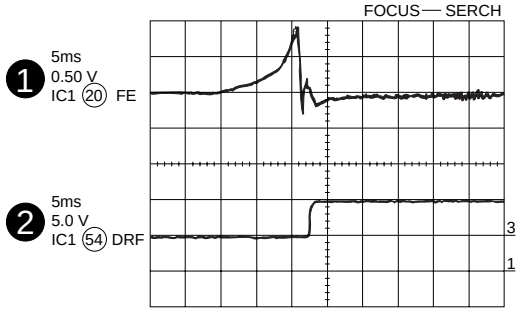


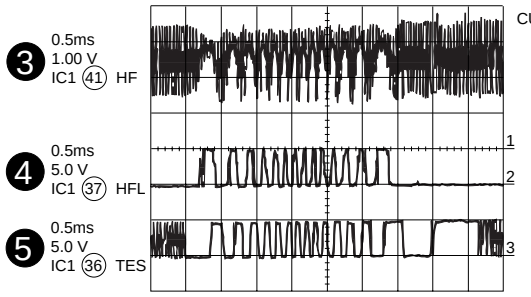
Figure 30 WIRING SIDE OF P.W.BOARD (5/5)

WAVEFORMS OF CD CIRCUIT

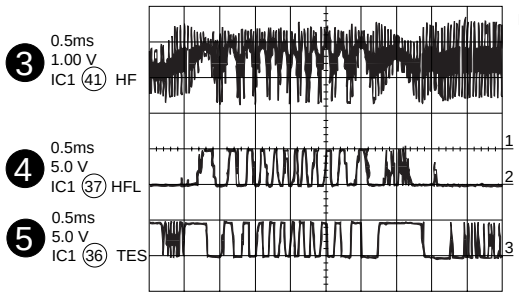
STOP → PLAY
FOCUS — SERCH



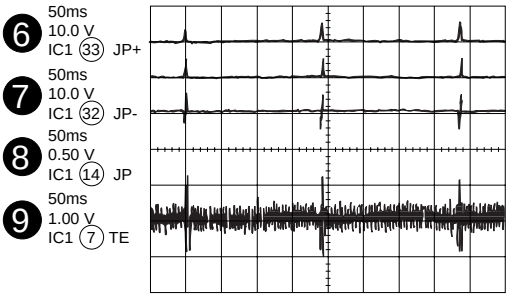
CUE

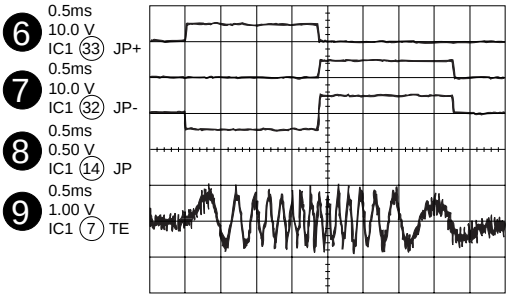


REVIEW

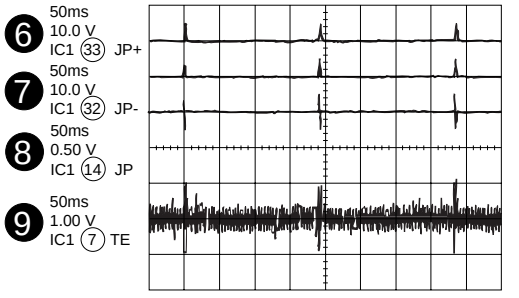


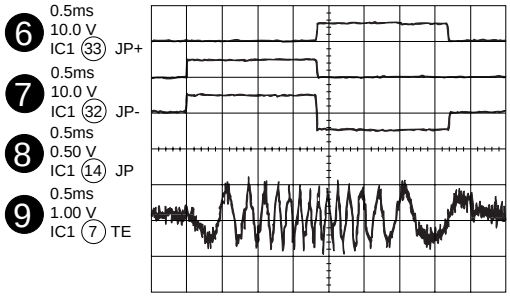
CUE



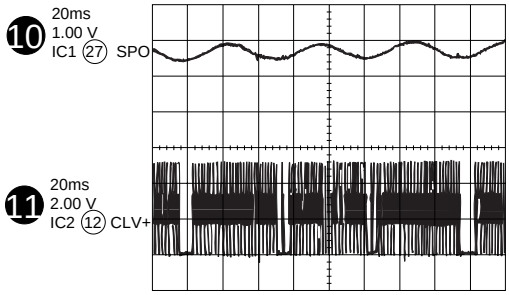


REVIEW

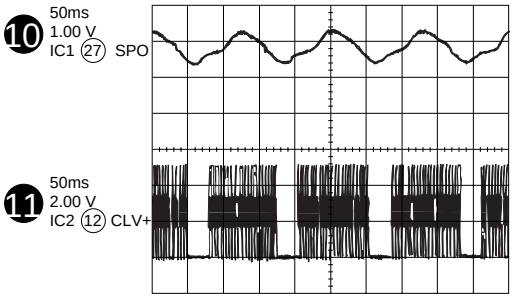




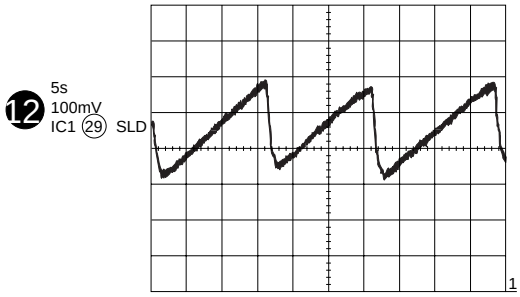
PLAY NORMAL DISC
TN0=01

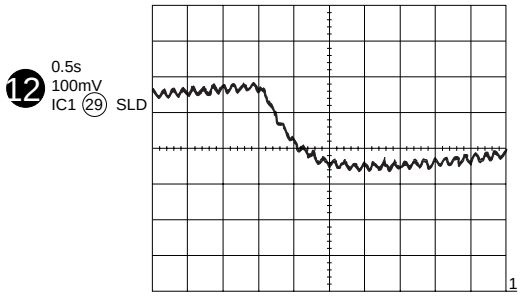


PLAY TCD-712 (140mm)
TN0=01



PLAY TCD-712





TROUBLESHOOTING

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 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.

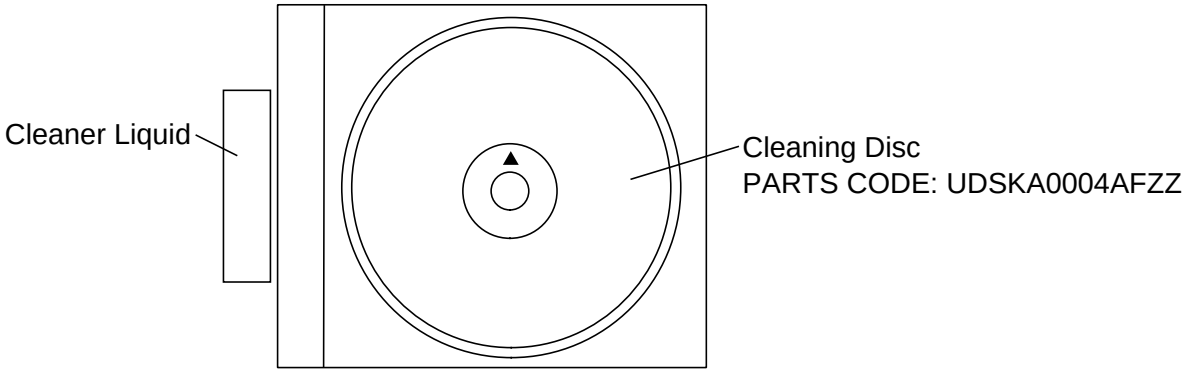
Dust gradually accumulates on the objective lens during use, and it may degrade performance. To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

HOW TO USE

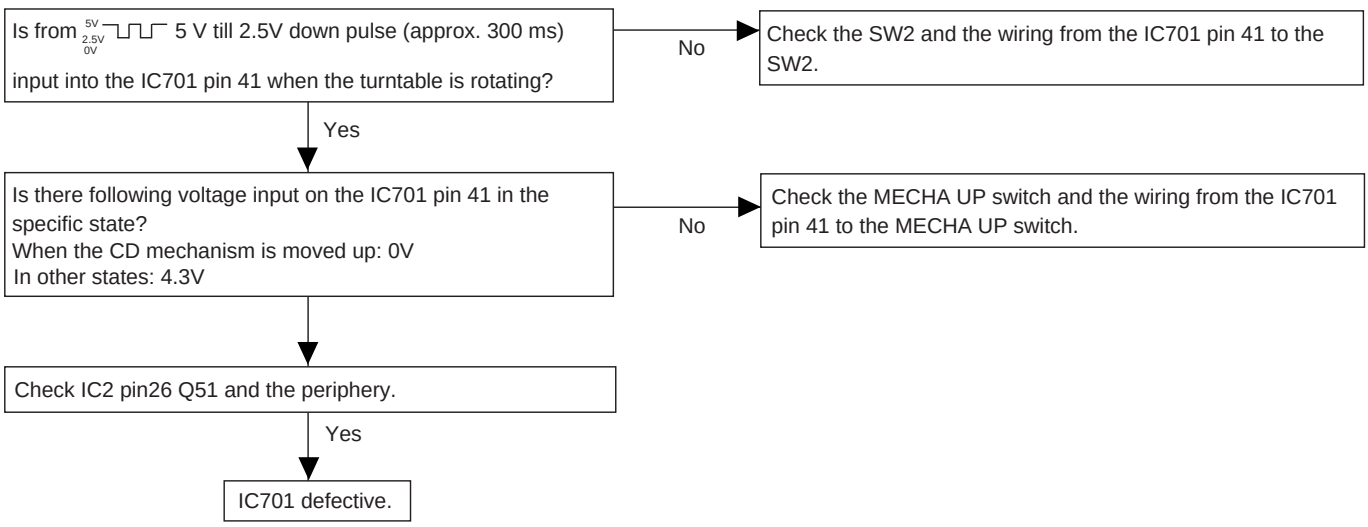
1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the ▲ mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continues to turn, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30~50 operations, however if the brushes become worn out earller then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.



• When the turntable fails to stop.



• When turntable fails to move.

Is there following voltage input on the IC701 pin 41 in the specific state?
When the CD mechanism is moved up: 0V
In other states: 4.3V

No → Check the MECHA UP switch and the wiring from the IC701 pin 41 to the MECHA UP switch.

Yes ↓

Is L output from the IC2 pin 27 during SEC when the disc skip switch is pressed?

No → Check the wiring of IC2 pin 27 and Q51 pin 2.
OK ↓
IC2 defective.

Yes ↓

Is 4V output from the Q51 emitter during operation stated above?

No → Check Q51 and the periphery.

Yes ↓

Check turntable motor and turntable mechanism.

• When the CD tray fails to open or close.

Is there following voltage input in specific state of IC701 pin 39?
Open state: 0V
Close state: 0V
Intermediate state between open state and close state: 4.3V

No → Check the OPEN/CLOSE switch and the wiring from the IC701 pin 39 to the OPEN/CLOSE switch.

Yes ↓

Is H output to IC2 pin 24 or 25 for 7 seconds when the OPEN/CLOSE button is pressed? IC3 is defective. Replace it.

No → Check the wiring of the IC2 pins 24 and 25, IC3 pins 38 and 39.
OK ↓
IC2 defective.

Yes ↓

Is 4V output between IC3 pins 38 and 39 during operation stated above?

No → Check the periphery of IC3.
OK ↓
IC3 defective.

Yes ↓

Check the loading motor (M3) and the loading mechanism.

• The CD function will not work.

The CD operating buttons don't work.

Yes ↓

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

Yes ↓

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

Yes ↓

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

Yes ↓

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

• The CD operating keys work.

Check the Focus - HF system.

Playback can be performed without a disc.

Yes

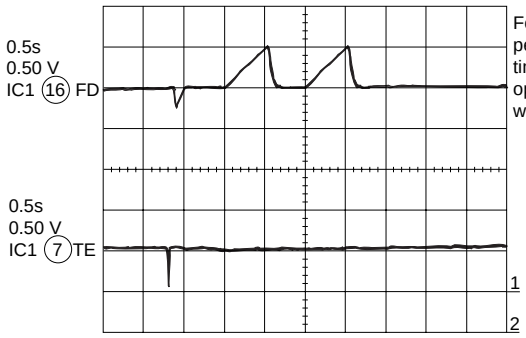
Does the pick-up move up and down twice? → Yes → Focus search OK

No

Does the output waveform of IC1(16)(FD) match that shown in Fig. 34-1? → Yes → Check the area around IC3-CNP2.

No

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



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

Figure 34-1

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

Is the Focus servo active? (Can you hear it working?) → No → Check the laser diode driver. Check the area around IC1(16) - (21) (focus servo circuit).

Yes

Does the DRF signal change from "L" to "H"? → No → If the disc is not turning, the DRF should not change to "H". → Yes → Check the spin system.

Yes

Is HF waveform normal (see the Fig. 34-2, Fig. 34-3)? → No → Level is abnormal. → Yes → Check the periphery of IC1 pins 41 and 42.

No → Waveform is unstable. → Yes → Check the spin system.

Yes

Check the tracking system.

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

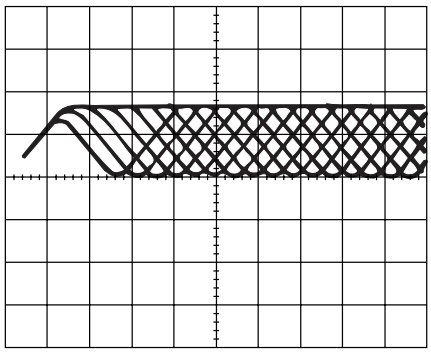
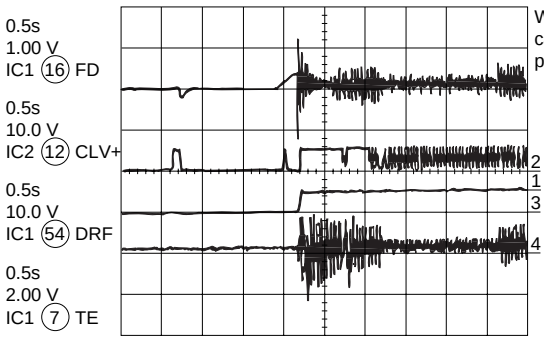


Figure 34-2



Waveform in case of normal playback

Figure 34-3

• Check the tracking system.

Check waveform of IC1 pin 7 (TE).

The waveform shown in Fig. 35-1 appears, and no-disc state appears soon. → Yes → Tracking servo is inoperative. → Yes → Check the periphery of IC 1 pin 8 to pin 15, and IC 5 to CNP2.

Play is possible in TEST mode. → Yes → The unit will be initialized in Normal mode,but it will not playback.. → Yes → Normal jump is impeded, and the program top cannot be reached. → Yes → Check the periphery of IC 1 pin 14.

Data cannot be read. → Yes → Check the VCO-PLL system.

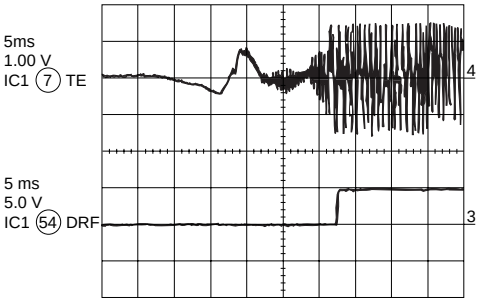


Figure 35-1

• Checking the spin system.

Play operation is performed without disc.

↓ Yes

The turntable rotates a little. → Yes → The spin driver circuit is normal.

↓ No

The turntable fails to rotate or rotates at high speed. → Yes → Check the periphery of IC1 pins 23 to 27, pin 39, and pin 40, IC2 pin 12 and pin 13, IC3 to CNP3.

• Checking the VCO-PLL system

Play operation is performed when disc exits.

↓ Yes

Although HF waveform is normal, TOC data cannot be read. → Yes → Check PDO waveform (Fig. 35-2).

↓ Abnormal

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

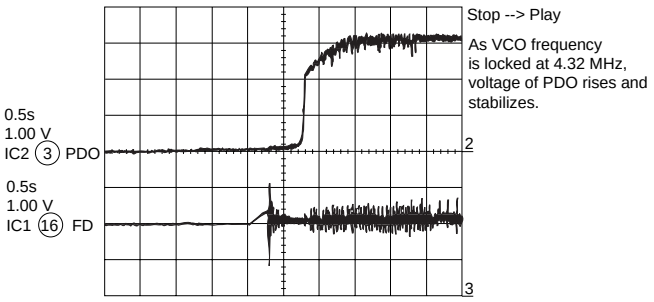


Figure 35-2

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

Check IC2 pin 48 (EFLG). → No → Usually, the number of pulses of flawless disc is 100 pulses/sec or less.

↓ Yes

Check IC2 pins 37, 40.

↓ Abnomal

Check IC401 and POWER AMP. IC601.

FUNCTION TABLE OF IC

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

Pin No.	Port Name	Function
1	FIN2	Connection pin for photodiode of pickup. RF signal is generated through addition with FIN pin, and FE signal is generated through subtraction.
2	FIN1	Connection pin for photodiode of pickup.
3	E	Connection pin for photodiode of pickup. TE signal is generated through subtraction with F pin.
4	F	Connection pin for photodiode of pickup.
5	TB	Pin for input of DC component of TE signal.
6	TE-	Pin to connect gain setting resistor of TE signal to TE signal.
7	TE	TE signal output pin.
8	TESI	TES (Track error sense) comparator input pin. TE signal is band-passed and input.
9	SCI	Input pin for shock detection.
10	TH	Pin to set time constant of tracking gain.
11*	N.C.	No connect.
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	SPO	Spindle control signal output pin.
28	SLEO	Pin to connect thread phase compensation constant.
29	SLD	Thread control signal output pin.
30	SL-	Input pin of thread feed signal from microcomputer.
31	SL+	Input pin of thread feed signal from microcomputer.
32	JP-	Input pin of tracking jump signal from DSP.
33	JP+	Input pin of tracking jump signal from DSP.
34	TGL	Input pin of tracking gain control signal from DSP. TGL = Gain low at "H"
35	TOFF	Input pin of tracking off control signal from DSP. TOFF = Off at "H"
36	TES	Output pin of TES signal to DSP.
37	HFL	(HIGH FREQUENCY LEVEL) is used to judge whether main beam is positioned on the bit or on the mirror.
38	SLOF	Thread servo off control input pin.
39	CV-	Pin to input CLV error signal from DSP.
40	CV+	Pin to input CLV error signal from DSP.
41	RFSM	RF output pin.
42	RFS-	Pin to set gain of RF and set 3T compensation constant together with RFSM pin.
43	SLC	(SLICE LEVEL CONTROL) is the output pin to control of the level of the data slice with RF waveform DSP.
44	SLI	Input pin to control the level of data slice with DSP.
45	DGND	GND pin in the digital system.
46	FSC	Output pin for focus search smoothening capacitor.
47	TBC	(Tracking Balance Control) Pin to set EF balance variable range.
48*	NC	No connect.

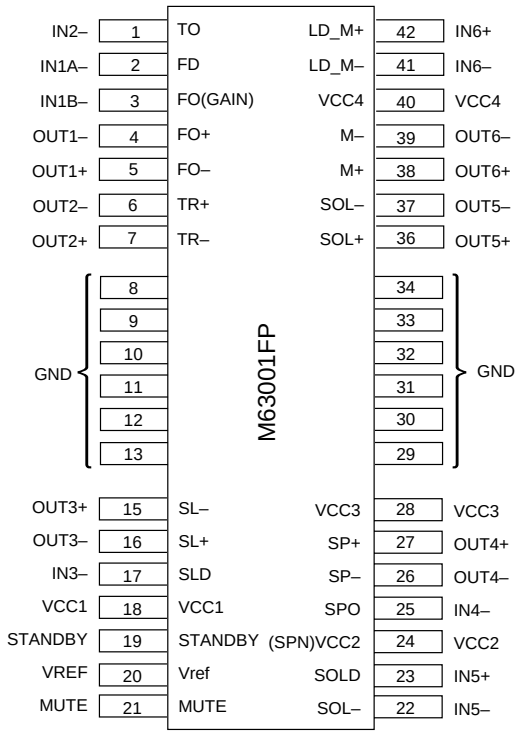
In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

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

Pin No.	Port Name	Function
49	DEF	Defect detection output pin of disc.
50	CLK	Reference clock input pin. 4.23MHz of DSP is input.
51	CL	Microcomputer command clock input pin.
52	DAT	Microcomputer command data input pin.
53	CE	Microcomputer command chip enable input pin.
54	DRF	(DETECT RF) RF level detection output.
55	FSS	(Focus Serch Select) Pin to switch focus search mode. (± search/+ search for reference voltage)
56	VCC2	VCC pin for servo system and digital system.
57	REF1	Pin to connect pass control for reference voltage.
58	VR	Reference voltage output pin.
59	LF2	Pin to set defect detection time constant of disc.
60	PHI	Pin to connect capacitor for peak hold of RF signal.
61	BHI	Pin to connect capacitor for bottom hold of RF signal.
62	LDO	APC circuit output pin.
63	LDS	APC circuit output pin.
64	VCC1	RF system VCC pin.

IC3 VHiM63001FP-1: Focus/Tracking/Spin/Slide Driver (M63001FP)

Pin No.	Terminal Name	Function
1	IN2-	CH2 inverted input.
2	IN1A-	CH1 inverted input.
3	IN1B-	CH1 output offset control.
4	OUT1-	CH1 inverted output.
5	OUT1+	CH1 non-inverted output.
6	OUT2-	CH2 inverted output.
7	OUT2+	CH2 non-inverted output.
8-14	GND	GND
15	OUT3+	CH3 non-inverted output.
16	OUT3-	CH3 inverted output.
17	IN3-	CH3 inverted input.
18	VCC1	Power supply 1 (CH1, CH2, CH3)
19	STANDBY	STANDBY signal input.
20	VRFE	CH1-CH4 Reference voltage input.
21	MUTE	Mute signal input (CH6).
22	IN5-	CH5 inverted input.
23	IN5+	CH5 non-inverted input.
24	VCC2	Power supply 2 (CH4).
25	IN4-	CH4 inverted input.
26	OUT4-	CH4 inverted output.
27	OUT4+	CH4 non-inverted output.
28	VCC3	Power supply 3 (CH5).
29-35	GND	GND
36	OUT5+	CH5 non-inverted output.
37	OUT5-	CH5 inverted output.
38	OUT6+	CH6 non-inverted output.
39	OUT6-	CH6 inverted output.
40	VCC4	Power supply 4 (CH6).
41	IN6-	CH6 inverted input.
42	IN6+	CH6 non-inverted input.



IC401 VHiM62439SP-1: Audio Processor (M62439SP)

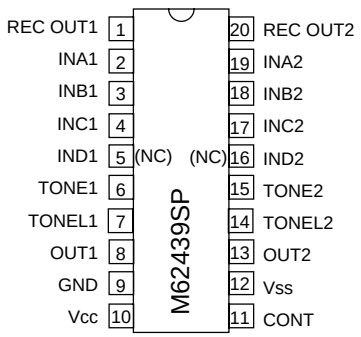


Figure 37 BLOCK DIAGRAM OF IC

IC2 VHiLC78622N-1: Servo/Signal Control (LC78622N) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1	DEF1	Input	Input terminal of defect detection signal (DEF). (Connected to OV when not used.)
2	TA1	Input	For PLL: Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.
3	PDO	Output	For PLL: Output terminal of phase comparison for external VCO control.
4	VVSS	—	For PLL: Ground terminal for integrated VCO. Surely connected to 0V.
5	ISET	Input	For PLL: Resistance connection terminal for current adjustment of PDO output.
6	VVDD	—	For PLL: Power terminal for integrated VCO.
7	FR	Input	For PLL: 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	For slice level control: EFM signal input terminal.
11	TEST2	Input	Input terminal for test. Pull-down resistor is integrated. Surely connected to 0V.
12	CLV+	Outout	Output for disc motor control. 3 values can be output with the commands.
13	CLV-	Output	Output for disc 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	HLF	Intput	Input terminal of track detection signal. Schmit input.
16	TES	Input	Input terminal of tracking error signal. Schmit input.
17	TOFF	Output	Tracking OFF output terminal.
18	TGL	Output	Output terminal for switch of tracking gain "L" increases the gain.
19	JP+	Output	Output for track jump control. 3 values can be output with the commands.
20	JP-	Output	Output for track jump control. 3 values can be output with the commands.
21*	PCK (NC)	Output	Clock monitor terminal for EFM data replay. 4,3218MHz as the phase clock.
22*	FSEQ (NC)	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 microcomputer. 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 (NC)	Output	Difference monitor terminal At "H", deemphasis disk is being replayed.
30*	C2F (NC)	Output	C2 flag output terminal.
31*	DOUT (NC)	Output	Output terminal of digital OUTPUT. (EIAJ format)
32*	TEST3 (NC)	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	PCCL	Input	CD general-use port control signal.
35*	MUTEL (NC)	Output	L channel 1 bit DAC: Mute output terminal for L channel.
36	LVDD	—	L channel 1 bit DAC: Power terminal for L channel.
37	LCHO	Output	L channel 1 bit DAC: L channel output terminal.
38	LVSS	—	L channel 1 bit DAC: 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 1 bit DAC: R channel output terminal.
41	RVDD	—	R channel 1 bit DAC: Power terminal for R channel.
42*	MUTER (NC)	Output	R channel 1 bit DAC: 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 (NC)	Output	Output terminal of synchronous signal of subcode block.
48*	EFLG (NC)	Output	Correction monitor terminal of C1, C2, single and double.
49*	PW (NC)	Output	Output terminal of subcodes P, A, R, S, T, U and W.

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

IC2 VHiLC78622N-1: Servo/Signal Control (LC78622N) (2/2)

Pin No.	Terminal Name	Input/Output	Function
50*	SFSY (NC)	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 (NC)	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*	TEST11 (NC)	Output	Output terminal for test. Used in the open state ("L" output as ordinary).
60*	16M (NC)	Output	Output terminal of 16.9344Hz.
61	4M	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.

IC701 RH-iX0300AWZZ: System Microcomputer (IX0300AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P94/FIP6	7G	Output	FL Display segment driver
2	P93/FIP5	8G	Output	FL Display segment driver
3	P92/FIP4	1G	Output	FL Display segment driver
4	P91/FIP3	2G	Output	FL Display segment driver
5	P90/FIP2	3G	Output	FL Display segment driver
6	P81/FIP1	4G	Output	FL Display segment driver
7	P80/FIP0	9G	Output	FL Display segment driver
8	VDD	VDD	—	VDD
9	P27/$\overline{SCK0}$	DO	Input	Data input
10	P26/S00/SB1	DI	Output	Data output
11	P25/SI0/SB0	CE	Output	Chip enable output
12	P24/BUSY	CLK	Output	Clock output
13	P23/STB	CD RWC	Output	CD DSP read write cont
14	P22/$\overline{SCK1}$	CD WRQ	Input	CD DSP write request cont
15	P21/S01	CD PCCL	Output	CD DSP PCCL
16	P20/SI1	CD COIN	Output	CD COIN (Data output)
17	RESET	RESET	Input	Reset
18	P74	CD SQOUT	Input	CD SQOUT (Data input)
19	P73	TIMER LED	Output	TIMER LED control
20	AVss	AVSS	—	Analog ground
21	P17	CD CQCK	Output	CD CQCK (Clock output)
22	P16	CD DSP RES	Output	CD DSP reset
23	P15	CD FRF	Input	CD RF level detection
24	P14/ANI4	A/D T2 RUN	Input	Analog data T2 RUN
25	P13/ANI3	A/D KEYIN 1	Input	Key input 1
26	P12/ANI2	A/D KEYIN 2	Input	Key input 2
27	P11/ANI1	A/D KEYIN 3	Input	Key input 3
28	P10/ANI0	A/D DIST	Input	Key output distination
29	AVDD	AVDD	—	Analog VDD
30	AVREF	AVREF	—	Analog REF voltage

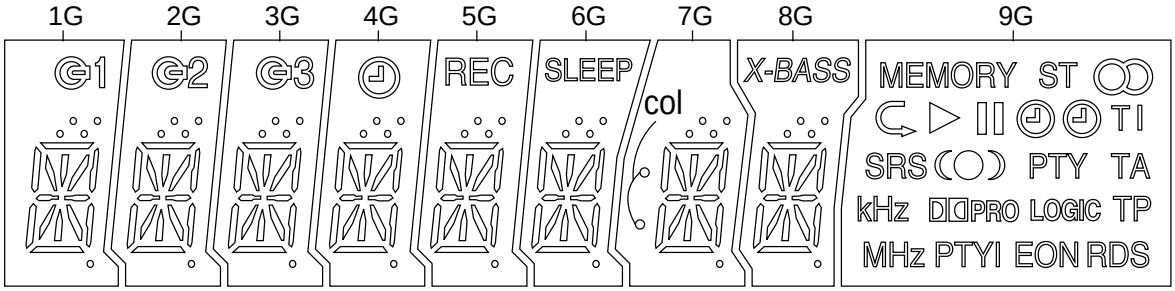
CD-C605H

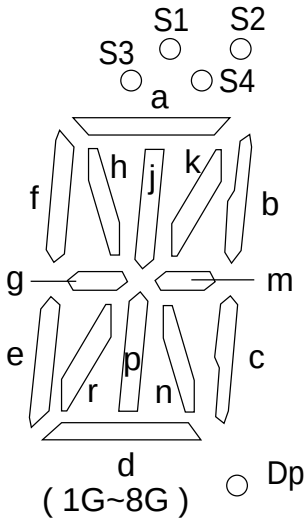
IC701 RH-iX0300AWZZ: System Microcomputer (IX0300AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
31*	P04/XT1	—	NC	NC (Non Connect)
32*	XT2	—	NC	NC (Non Connect)
33	Vss	VSS	—	Ground voltage
34	X1	—	—	Main clock
35	X2	—	—	Main clock
36	P37	CD SLM +	Output	CD slide motor +
37	P36/BUZ	CD SLM -	Output	CD slide motor -
38	P35/PCL	CD PUIN SW	Input	CD PUIN switch
39	P34/TI2	CD O/C SW	Input	CD open close switch
40	P33/TI1	CD DISC NO SW	Input	CD DISC NO. switch
41	P32/TO2	CD U/D SW	Input	CD UP/DOWN switch
42	P31/TO1	REC/PLAY	Output	Tape record playback
43	P30/TO0	T_BIAS	Output	Tape record bias control
44	P03/INTP3/CI0	T T1T2	Output	Tape T1/T2 change
45*	P02/INTP2	TAMUTE (NC)	Output	Tape play mute
46	P02/INTP1	SYSTEM STOP	Input	System stop input
47	P00/INTP0/TI0	REMOCON	Input	Remocon input
48	IC (Vpp)	—	—	IC
49	P72	CAM SW	Input	Tape cam switch
50	P71	T. SOL	Output	Tape solenoid control
51	P70	T. MOTOR	Output	Tape motor control
52	VDD	VDD	—	VDD
53	P127/FIP33	T1 FAS	Input	Tape full autostop pulse input
54	P126/FIP32	FPA	Input	Tape A side full proof
55*	P125/FIP31	H/P MUTE	NC	NC (Non Connect)
56	P124/FIP30	S MUTE	Output	System mute
57	P123/FIP29	AC RLY CONT	Output	AC relay control
58	P122/FIP28	POWER	Output	(+) power supply
59	P121/FIP27	$\overline{\text{DIST0}}$	Input	Distination input
60	P120/FIP26	SPN_P	Input	Tuner span change
61	P117/FIP25	P15	Output	FL Display segment driver
62	P116/FIP24	P16	Output	FL Display segment driver
63	P115/FIP23	P13	Output	FL Display segment driver
64	P114/FIP22	P20	Output	FL Display segment driver
65	P113/FIP21	P14	Output	FL Display segment driver
66	P112/FIP20	P11	Output	FL Display segment driver
67	P111/FIP19	P10	Output	FL Display segment driver
68	P110/FIP18	P9	Output	FL Display segment driver
69	P107/FIP17	P8	Output	FL Display segment driver
70	P106/FIP16	P7	Output	FL Display segment driver
71	VLOAD	VLOAD	—	FL driver (-) power supply. -30V
72	P105/FIP15	P6	Output	FL Display segment driver
73	P104/FIP14	P1	Output	FL Display segment driver
74	P103/FIP13	P12	Output	FL Display segment driver
75	P102/FIP12	P19	Output	FL Display segment driver
76	P101/FIP11	P18	Output	FL Display segment driver
77	P100/FIP10	P17	Output	FL Display segment driver
78*	P97/FIP9	—	NC	NC (Non Connect)
79	P96/FIP8	5G	Output	FL Display segment driver
80	P95/FIP7	6G	Output	FL Display segment driver

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

FL701 VVKSVA9MS13-1 : FL Display





	1G	2G	3G	4G	5G	6G	7G	8G	9G
P1	G1	G2	G3	◴	REC	SLEEP	col	X-BASS	PTYI
P2	S2	S2	S2	S2	S2	S2	S2	S2	
P3	S1	S1	S1	S1	S1	S1	S1	S1	TA
P4	S3	S3	S3	S3	S3	S3	S3	S3	TP
P5	S4	S4	S4	S4	S4	S4	S4	S4	RDS
P6	a	a	a	a	a	a	a	a	TI
P7	b	b	b	b	b	b	b	b	◯◯
P8	k	k	k	k	k	k	k	k	ST
P9	j	j	j	j	j	j	j	j	MEMORY
P10	h	h	h	h	h	h	h	h	PTY
P11	f	f	f	f	f	f	f	f	↻
P12	m	m	m	m	m	m	m	m	II
P13	d	d	d	d	d	d	d	d	MHz
P14	g	g	g	g	g	g	g	g	▷
P15	p	p	p	p	p	p	p	p	kHz
P16	e	e	e	e	e	e	e	e	EON
P17	n	n	n	n	n	n	n	n	PRO LOGIC
P18	r	r	r	r	r	r	r	r	SRS
P19	c	c	c	c	c	c	c	c	◴ (L)
P20	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	◴ (R)

PIN CONNECTION

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CONNECTION	F1	F1	NP	P15	P16	P13	P20	P14	P11	P10	P9	P8	P7	P6	5G	P5	P4
Pin No.	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
CONNECTION	6G	7G	P3	P2	BG	P1	P12	P19	P18	P17	1G	2G	3G	4G	9G	F2	F2

Figure 41 FL SEGMENT

— M E M O —

SHARP PARTS GUIDE

MODEL CD-C605H

CD-C605H mini component system consisting of CD-C605H (Main unit), CP-C605H (Speaker system).

"HOW TO ORDER REPLACEMENT PARTS"

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

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

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

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

Explanation of capacitors/resistors parts codes

Capacitors

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

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

Resistors

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

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

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

CD-C605H

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

CD-C605H

INTEGRATED CIRCUITS

IC1	VHILA9241M/-1	J	AS	Servo Amp.,LA9241M
IC2	VHILC78622N-1	J	AY	Servo/Signal Control,LC78622N
IC3	VHIM63001FP-1	J	AX	Focus/Tracking/Spin/Slide Driver ,M63001FP
IC302	VHILC72131/-1	J	AP	PLL Controller,LC72131
IC303	VHILA1832//-1	J	AR	FM IF DET./FM MPX./AM IF, LA1832
IC401	VHIM62439SP-1	J	AG	Audio Processor,M62439SP
IC501	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K
IC601	VHILA4282//-1	J	AM	Power Amp.,LA4282
IC701	RX-IX0300AWZZ	J		System Microcomputer, IX0300AW
IC702	VHIKIA7042AP1	J	AC	Reset,KIA7042AP
IC901	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05
IC902	VHIKIA7806P-1	J	AG	Voltage Regulator,KIA7806P
IC903	VHIKIA7812P-1	J	AE	Voltage Regulator,KIA7812P
IC904	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05

TRANSISTORS

Q1	VS2SA1318//-1	J	AC	Silicon,PNP,2SA1318
Q51	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q52	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q301	VS2SC380-O/-1	J	AC	Silicon,NPN,2SC380 O
Q353,354	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q361	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q371	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q401,402	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q501	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q502~505	VS2SC2389SE-1	J	AD	Silicon,NPN,2SC2389 SE
Q506,507	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q508,509	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q512,513	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q514	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q515	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q516	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q631,632	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q701	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q702	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q703	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q704	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q901	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q902	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M

DIODES

D1	VHD1SS133//-1	J	AA	Silicon,1SS133
D81,82	VHD1SS133//-1	J	AA	Silicon,1SS133
D91~93	VHD1SS133//-1	J	AA	Silicon,1SS133
D301~304	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D351~353	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D631,632	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D701~705	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D707,708	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D901~904	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D905~909	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D910,911	VHDRL203F//-1	J	AE	Silicon,RL203F
D912,913	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D914,915	VHDRL203F//-1	J	AE	Silicon,RL203F
D916,917	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D918~920	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D921~924	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D925	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
LED701	VHPSLI342UCJ1	J	AC	LED,Red,SLI342UCJ1
VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
ZD61	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD352	VHEDZ3R9BSB-1	J	AC	Zener,3.9V,DZ3.9BSB
ZD401,402	VHEDZ2R4BSB-1	J	AB	Zener,2.4V,DZ2.4BSB
ZD901	VHEDZ6R2BSA-1	J	AB	Zener,6.2V,DZ6.2BSA
ZD902	VHEDZ300BSB-1	J	AB	Zener,30V,DZ300BSB

FILTERS

CF301,302	RFILF0072AFZZ	J	AG	FM IF
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

TRANSFORMERS

⚠ PT901	RTRNP0254AWZZ	J	AZ	Power
⚠ PT902	RTRNP0239AWZZ	J	AP	Power
T302	RCILA1064AFZZ	J	AD	AM Tracking
T306	RCILB1074AFZZ	J	AC	AM OSC.
T351	RCILI0011AWZZ	J	AD	AM IF

COILS

L61	VP-XHR82K0000	J	AC	0.82 µH,Choke
L341	RBLN-0001AWZZ	J	AD	Balun
L342	VP-DH2R2K0000	J	AB	2.2 mH,Peaking
L351,352	VP-DH101K0000	J	AB	100 µH,Choke
L353	VP-DH102K0000	J	AB	1 mH,Choke
L354	RFILL0001AWZZ	J	AE	Low Pass Filter
L501,502	VP-XH2R2K0000	J	AB	2.2 µH,Choke
L503	VP-MK331K0000	J	AB	330 µH,Choke
L651,652	RCILZ0137AFZZ	J	AA	0.29 µH
L701	VP-DH101K0000	J	AB	100 µH,Choke
L902	VP-DH2R2K0000	J	AB	2.2 mH,Peaking

VARIABLE RESISTOR

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

VIBRATORS

X1	92LCRSTL1746AT	J	AH	Crystal,16.93 MHz
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.19MHz

CAPACITORS

C1	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C2	VCKYTV1HB103K	J	AA	0.01 µF,50V
C3	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C4	VCEAZA1HW104M	J	AB	0.1 µF,50V,Electrolytic
C5,6	VCTYPA1CX333K	J	AA	0.033 µF,16V
C7	VCEAZA1HW104M	J	AB	0.1 µF,50V,Electrolytic
C8	VCTYPA1CX683K	J	AA	0.068 µF,16V
C9	VCTYPA1CX473K	J	AA	0.047 µF,16V
C10	VCCSTV1HL181J	J	AA	180 pF,50V
C11,12	VCTYPA1CX104K	J	AB	0.1 µF,16V
C13	VCKYTV1HB331K	J	AA	330 pF,50V
C14,15	VCKYTV1HB103K	J	AA	0.01 µF,50V
C16	VCKYTV1HB472K	J	AA	0.0047 µF,50V
C17	VCKYTV1HB102K	J	AA	0.001 µF,50V
C18	VCEAZA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C19	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C20	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C21	VCKYTV1HB332K	J	AA	0.0033 µF,50V
C22	VCCSPA1HL221J	J	AA	220 pF,50V
C23	VCKYTV1HB272K	J	AA	0.0027 µF,50V
C24	VCCSTV1HL2R2C	J	AB	2.2 pF,50V
C25	VCCSTV1HL270J	J	AA	27 pF,50V
C26	VCTYPA1CX333K	J	AA	0.033 µF,16V
C27	VCKYTV1HB102K	J	AA	0.001 µF,50V
C28	VCTYPA1CX104K	J	AB	0.1 µF,16V
C29	VCEAZA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C30	VCEAZA1HW104M	J	AB	0.1 µF,50V,Electrolytic
C31	VCEAZA0JW227M	J	AC	220 µF,6.3V,Electrolytic
C32	VCKYTV1HB103K	J	AA	0.01 µF,50V
C33	VCEAZA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C34	VCEAZA1HW334M	J	AB	0.33 µF,50V,Electrolytic
C35	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C36	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C37	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C38	VCKYTV1HB103K	J	AA	0.01 µF,50V
C39,40	VCTYPA1CX473K	J	AA	0.047 µF,16V
C43	VCEAZA0JW337M	J	AC	330 µF,6.3V,Electrolytic
C44~47	VCCCTV1HH101J	J	AA	100 pF (CH),50V
C48	VCCSPA1HL101J	J	AA	100 pF,50V
C49	VCCCTV1HH101J	J	AA	100 pF (CH),50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C50	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C51,52	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C54	VCKYTV1HB102K	J	AA	0.001 µF,50V
C55	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C56	VCKYTV1EF223Z	J	AA	0.022 µF,25V
C57	VCKYBT1HB102K	J	AA	0.001 µF,50V
C71,72	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C73,74	VCKYTV1HB221K	J	AA	220 pF,50V
C75	VCKYTV1HB102K	J	AA	0.001 µF,50V
C76	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C77	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C82	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C83	VCTYBT1EF223Z	J	AA	0.022 µF,25V
C301	VCKYMN1HB102K	J	AA	0.001 µF,50V
C321	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C323	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C330	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C331	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C332	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C334	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C335	VCCSPA1HL561J	J	AA	560 pF,50V
C337	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C338	VCKYMN1HB102K	J	AA	0.001 µF,50V
C341,342	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C343,344	VCCSMN1HL330J	J	AA	33 pF,50V
C345~347	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C350,351	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C352	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C353,354	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C355	VCCSMN1HL220J	J	AA	22 pF,50V
C356	VCKYMN1HB102K	J	AA	0.001 µF,50V
C357	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C358	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C361	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C362	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C363	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C364	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C365	VCTYPA1CX223K	J	AA	0.022 µF,16V
C366	VCKYMN1HB102K	J	AA	0.001 µF,50V
C367,368	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C369	VCCSBT1HL270J	J	AA	27 pF,50V
C370~372	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C373,374	VCTYPA1CX153K	J	AA	0.015 µF,16V
C375	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C380	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C384	VCKYMN1HB102K	J	AA	0.001 µF,50V
C385	VCTYMN1CY103K	J	AA	0.01 µF,16V
C386	VCKYMN1HB331K	J	AA	330 pF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C391	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C392	VCKYMN1HB102K	J	AA	0.001 µF,50V
C393	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C394	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C396	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C397	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C398	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C399	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C401,402	VCKYMN1HB102K	J	AA	0.001 µF,50V
C403	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C404,405	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C406	VCEAZA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C410	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film
C411	VCQYKA1HM333K	J	AB	0.033 µF,50V,Mylar
C412	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film
C413	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C414	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C415	VCQYKA1HM333K	J	AB	0.033 µF,50V,Mylar
C416	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film
C417	VCCSMN1HL4R7C	J	AA	4.7 pF,50V
C418	VCEAZA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C422	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C423	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C424	VCFYHA1HA224J	J	AC	0.22 µF,50V,Thin Film
C451~454	VCKYMN1HB471K	J	AA	470 pF,50V
C460	VCKYBT1HB102K	J	AA	0.001 µF,50V
C461	VCQYKA1HM273K	J	AB	0.027 µF,50V,Mylar
C462	VCQYKA1HM273K	J	AB	0.027 µF,50V,Mylar
C501,502	VCKYMN1HB102K	J	AA	0.001 µF,50V
C503,504	VCKYMN1HB181K	J	AA	180 pF,50V
C505	VCKYPA1HF473Z	J	AB	0.047 µF,50V
C506,507	VCKYMN1HB102K	J	AA	0.001 µF,50V
C508	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C509~512	VCKYMN1HB331K	J	AA	330 pF,50V
C514,515	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C516,517	VCTYPA1EX333K	J	AA	0.033 µF,25V
C518,519	VCKYMN1HB561K	J	AA	560 pF,50V
C520,521	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C523	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C525	VCEAEA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C526,527	VCKYMN1HB102K	J	AA	0.001 µF,50V
C528,529	VCEAEA1CW226M	J	AB	22 µF,16V,Electrolytic
C530,531	VCTYPA1CX683K	J	AA	0.068 µF,16V
C532,533	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C534,535	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C536	VCEAEA1CW226M	J	AB	22 µF,16V,Electrolytic
C537	VCEAZA1AW227M	J	AC	220 µF,10V,Electrolytic
C538	VCKYMN1HB221K	J	AA	220 pF,50V
C539	VCQPKA2AA392J	J	AB	0.0039 µF,100V,Polypropylene
C540	VCQYKA1HM273K	J	AB	0.027 µF,50V,Mylar
C541	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C551,552	VCKYMN1HB681K	J	AA	680 pF,50V
C601,602	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C603,604	VCKYPA1HB471K	J	AA	470 pF,50V
C605	VCEAZA1EW107M	J	AB	100 µF,25V,Electrolytic
C606,607	VCQYKA1HM823K	J	AC	0.082 µF,50V,Mylar
C608	VCEAZA1EW107M	J	AB	100 µF,25V,Electrolytic
C609,610	VCEAZA1EW477M	J	AD	470 µF,25V,Electrolytic
C611~614	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C631	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C632	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C633	VCKYMN1HB221K	J	AA	220 pF,50V
C634	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C635	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C636	VCKYMN1HB102K	J	AA	0.001 µF,50V
C637	VCCSPA1HL680J	J	AA	68 pF,50V
C641,642	VCKYPA1HB102K	J	AA	0.001 µF,50V
C651,652	VCKYPA1HF473Z	J	AB	0.047 µF,50V
C653,654	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C655,656	VCKYPA1HF473Z	J	AB	0.047 µF,50V
C657~660	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C661,662	VCKYPA1HB102K	J	AA	0.001 µF,50V
C701	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C702	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C703,704	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C705	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C706	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C707	VCEAZA0JW227M	J	AC	220 µF,6.3V,Electrolytic
C709	VCTYPA1CX223K	J	AA	0.022 µF,16V
C710	VCKYPA1HB103K	J	AA	0.01 µF,50V
C712	VCEAEA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C713	VCKYPA1HF223Z	J	AB	0.022 µF,50V
C714	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C715	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C770	VCEAZA1HW104M	J	AB	0.1 µF,50V,Electrolytic
C772	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C773	VCTYPA1CX472K	J	AA	0.0047 µF,16V
C774	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C775	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C901	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C902	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C903	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C904,905	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C906	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C907	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C908~910	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C911	VCEAZW1EW338M	J	AG	3300 µF,25V,Electrolytic
C912	VCEAZW1HW228M	J	AH	2200 µF,50V,Electrolytic
C913	VCEAZV1EW108M	J	AE	1000 µF,25V,Electrolytic
C914	VCEAZA1EW107M	J	AB	100 µF,25V,Electrolytic
C915	VCEAZA1VW107M	J	AC	100 µF,35V,Electrolytic
C916~918	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C919,920	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C921,922	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C923,924	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C925	VCEAZA0JW108M	J	AC	1000 µF,6.3V,Electrolytic
C926	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C927	VCEAZA1EW477M	J	AD	470 µF,25V,Electrolytic
C928	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
⚠ C929	RC-KZ001LAWZZ	J	AB	0.0047 µF,250V
C931	VCKYPA1HB221K	J	AA	220 pF,50V

CD-C605H

RESISTORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
	VRS-TV2AB000J	J	AA	0 ohm,Jumper,1.25×2mm,Green
R1	VRS-TV2AB220J	J	AA	22 ohms,1/10W
R2	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R8	VRS-TV2AB153J	J	AA	15 kohms,1/10W
R9	VRS-TV2AB104J	J	AA	100 kohm,1/10W
R10	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R11	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R12	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R13	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R14	VRS-TV2AB273J	J	AA	27 kohms,1/10W
R15	VRS-TV2AB123J	J	AA	12 kohms,1/10W
R16	VRS-TV2AB332J	J	AA	3.3 kohms,1/10W
R17	VRS-TV2AB333J	J	AA	33 kohms,1/10W
R18	VRS-TV2AB153J	J	AA	15 kohms,1/10W
R19	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R20	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R21	VRS-TV2AB152J	J	AA	1.5 kohms,1/10W
R22	VRS-TV2AB821J	J	AA	820 ohms,1/10W
R23	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R24	VRS-TV2AB473J	J	AA	47 kohms,1/10W
R25	VRS-TV2AB152J	J	AA	1.5 kohms,1/10W
R26	VRS-TV2AB823J	J	AA	82 kohms,1/10W
R27	VRS-TV2AB393J	J	AA	39 kohms,1/10W
R28	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R29	VRS-TV2AB563J	J	AA	56 kohms,1/10W
R30	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
R31	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R32	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R33	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R34	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R35,36	VRS-TV2AB224J	J	AA	220 kohms,1/10W
R37	VRD-ST2CD823J	J	AA	82 kohms,1/6W
R38	VRS-TV2AB471J	J	AA	470 ohms,1/10W
R39	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R40	VRS-TV2AB562J	J	AA	5.6 kohms,1/10W
R41,42	VRS-TV2AB473J	J	AA	47 kohms,1/10W
R43	VRS-TV2AB563J	J	AA	56 kohms,1/10W
R44	VRS-TV2AB333J	J	AA	33 kohms,1/10W
R45	VRS-TV2AB472J	J	AA	4.7 kohms,1/10W
R46	VRS-TV2AB561J	J	AA	560 ohms,1/10W
R47	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R50	VRS-TV2AB681J	J	AA	680 ohms,1/10W
R51	VRD-ST2CD335J	J	AA	3.3 Mohms,1/6W
R52	VRS-TV2AB273J	J	AA	27 kohms,1/10W
R53	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R55	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R56	VRS-TV2AB223J	J	AA	22 kohms,1/10W
R57	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R58~60	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R61~63	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R64	VRS-TV2AB220J	J	AA	22 ohms,1/10W
R65	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R66	VRS-TV2AB221J	J	AA	220 ohms,1/10W
R71,72	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R73,74	VRS-TV2AB104J	J	AA	100 kohm,1/10W
R80,81	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R82,83	VRS-TV2AB391J	J	AA	390 ohms,1/10W
R84	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R88,89	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R90	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R91	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R93	VRS-TV2AB221J	J	AA	220 ohms,1/10W
R301	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R323	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R336	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R344	VRD-MN2BD471J	J	AA	470 ohms,1/8W
R345	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R346	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R347	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R348	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R349	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R350	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R354	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R357	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R358	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R360	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R361,362	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R363,364	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R365,366	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R367	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R368	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R369	VRD-MN2BD150J	J	AA	15 ohms,1/8W
R371~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R375	VRD-ST2EE680J	J	AA	68 ohms,1/4W
R376	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R377	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R378	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R383~385	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R387	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R393	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R395	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R398	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R401	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R402	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R405	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R406	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R407	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R408,409	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R410	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R411	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R412	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R413	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R414~416	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R417	VRD-RT2HD561J	J	AA	560 ohms,1/2W
R418	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R419	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R420,421	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R422	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R423	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R424	VRD-RT2HD821J	J	AA	820 ohms,1/2W
R425	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R426	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R428	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R430	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R451,452	VRD-ST2CD391J	J	AA	390 ohms,1/6W
R501	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R502	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R503	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R504	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R505,506	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R507	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R508,509	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R510	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R511,512	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R513	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R514	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R515	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R516	VRD-MN2BD151J	J	AA	150 ohms,1/8W
R517	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R518	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R522,523	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R524,525	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R526,527	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R531,532	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R533,534	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R536	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R537,538	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R539,540	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R541,542	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R543	VRD-ST2CD823J	J	AA	82 kohms,1/6W
R544,545	VRD-MN2BD560J	J	AA	56 ohms,1/8W
R546	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R547,548	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R549	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R550	VRD-ST2CD823J	J	AA	82 kohms,1/6W
R551	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R552	VRD-RT2HD151J	J	AA	150 ohms,1/2W
R553	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R554	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R555	VRD-MN2BD473J	J	AA	47 kohms,1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R556	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R557	VRD-MN2BD120J	J	AA	12 ohms,1/8W
R561	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R601	VRD-ST2CD561J	J	AA	560 ohms,1/6W
R602	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R603,604	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R605	VRD-ST2CD121J	J	AA	120 ohms,1/6W
R606,607	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R608	VRD-ST2CD121J	J	AA	120 ohms,1/6W
R609,610	VRD-RT2HD271J	J	AA	270 ohms,1/2W
R611,612	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R613,614	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R631	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R632	VRD-ST2EE821J	J	AA	820 ohms,1/4W
R633	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R651~654	VRD-ST2EE3R3J	J	AA	3.3 ohms,1/4W
R701	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R702	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R703	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R704~708	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R709	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R710,711	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R712	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R713	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R714	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R715	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R716	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R717~719	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R721~724	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R725	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R726	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R727	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R728,729	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R730	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R731~734	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R735,736	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R737,738	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R739	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R740	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R741	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R742	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R743	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R745	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R746,747	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R748	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R749	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R750~752	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R753,754	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R755	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R756,757	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R758	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R760	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R761	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R762	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R763	VRD-MN2BD821J	J	AA	820 ohms,1/8W
R764	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R765	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R766	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R767	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R768	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R770,771	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R772	VRD-RT2HD3R3J	J	AA	3.3 ohms,1/2W
R773,774	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R775	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R776,777	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R778	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R780	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R782	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R783	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R785	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R786	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R791	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R792	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R793	VRD-ST2CD274J	J	AA	270 kohms,1/6W
R800	VRD-RT2HD100J	J	AA	10 ohm,1/2W
R901	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R902	VRD-RT2HD221J	J	AA	220 ohms,1/2W
R903	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R904	VRD-RT2HD221J	J	AA	220 ohms,1/2W
R905	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R906	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
R908	VRD-ST2CD221J	J	AA	220 ohms,1/6W

OTHER CIRCUITRY PARTS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
BI401/CNS401	QCNWN1380AWZZ	J	AF	Connector Ass'y,6/6Pin
BI701/CNS701	QCNWN1381AWZZ	J	AL	Connector Ass'y,15/15Pin
BI702/CNS702	QCNWN0907AWZZ	J	AC	Connector Ass'y,8/12Pin
BIM5/CNS10/CNS5	QCNWN1184AWZZ	J	AL	Connector Ass'y,6/10/2Pin
CNP1	92LCONE5P53253	J	AB	Plug,5Pin
CNP2	QCNCM705HAFZZ	J	AB	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin
CNP3A	92LCONE6P53254	J	AC	Plug,6Pin
CNP10	QCNCM705KAWZZ	J	AC	Plug,10Pin
CNP11	QCNCM704FAWZZ	J	AC	Plug,6Pin
CNP12	QCNCM704QAWZZ	J	AG	Plug,15Pin
CNP301	92LCONE-2P5268	J	AB	Plug,2Pin
CNP303	QCNCW010JAWZZ	J		Plug,9Pin
CNP501	92LCONE3P5267X	J	AB	Plug,3Pin
CNP502	92LCONE7P5267X	J	AC	Plug,7Pin
CNP901	QCNCM036BAWZZ	J	AC	Plug,2Pin
CNP902	QCNCM035FAWZZ	J	AC	Plug,6Pin
CNPM1	QCNCM932MAFZZ	J	AE	Plug,12Pin
CNPM2	QCNCM030BAWZZ	J	AB	Pin Header,2Pin
CNS1A/B	QCNWN1181AWZZ	J	AK	Connector Ass'y,5/5Pin
CNS2A/B	QCNWN1182AWZZ	J	AH	Connector Ass'y,8/8Pin
CNS3A/B	QCNWN1183AWZZ	J	AG	Connector Ass'y,6/6Pin
CNS101	QCNWN0895AWZZ	J	AE	Connector Ass'y,3Pin
CNS102	QCNWN0896AWZZ	J	AG	Connector Ass'y,8Pin
CNS303	QCNCM010JAWZZ	J		Plug,9Pin
⚠ F901	92LFUSET252E	J	AD	Fuse,T2.5A L 250V
⚠ F902	92LFUSE-T162-E	J	AD	Fuse,T1.6A L 250V
⚠ F903	92LFUSE-T501E	J	AD	Fuse,T500mA L 250V
FE301	RTUNS0012AWZZ	J	AV	FM Front End
FL701	VVKSVA9MS13-1	J	AZ	FL Display
FW601	QCNWN1249AWZZ	J	AE	Flat Wire,5Pin
FW701	QCNWN1457AWZZ	J	AD	Flat Wire,9Pin
FW703	QCNWN1458AWZZ	J	AD	Flat Wire,10Pin
FW705	QCNWN0713AWZZ	J	AF	Flat Wire,3Pin
FWM1	QCNWN1274AWZZ	J	AC	Flat Wire,2Pin
FWM2	QCNWN0338AWZZ	J	AD	Flat Wire,2Pin
JK601	QJAKM0004AWZZ	J	AK	Jack,Headphones
⚠ L901	RCILZ0008AWZZ	J	AH	Line Filter
M1	92LMTR1854CASY	J	AS	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
M3	92LMTR3022AS1	J	AU	Motor with Worm [Turntable Up/Down/Loading]
MM1(220-1)	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
PHM1	VHPI31535CD-1	J	AG	Phote Interrupter
⚠ RL901	RRLYD0011AWZZ	J	AE	Relay
RX701	VHLN63H380A-1	J	AK	Remote Sensor,N63H380A
SO301	QTANC0101AWZZ	J	AF	Terminal,Antenna
SO601	QTANA0412AWZZ	J	AF	Terminal,Speaker
⚠ SO901	QSOCA0204AWZZ	J	AF	Socket,AC Input
SOLM1	RPLU-0002AWZZ	J	AH	Solenoid Ass'y
SOLM2	RPLU-0002AWZZ	J	AH	Solenoid Ass'y
SW1	QSW-P0004AWZZ	J	AE	Switch,Push Type [Open/Close]
SW2	QSW-F0001AWZZ	J	AD	Switch,Leaf/Skeleton Type [Mecha Up]
SW3	QSW-P0005AWZZ	J	AD	Switch,Push Type [Disc Number]
SW4	QSW-F9001AW01	J	AD	Switch,Push Type [Pickup In]
SW701	92LSWICH-1401A	J	AC	Switch,Key Type [On/Stand-by]
SW702	92LSWICH-1401A	J	AC	Switch,Key Type [Clock]
SW703	92LSWICH-1401A	J	AC	Switch,Key Type [Timer/Sleep]
SW707	92LSWICH-1401A	J	AC	Switch,Key Type [Disk Skip]
SW708	92LSWICH-1401A	J	AC	Switch,Key Type [Open/Close]
SW709	92LSWICH-1401A	J	AC	Switch,Key Type [Fast Forward]
SW710	92LSWICH-1401A	J	AC	Switch,Key Type [Record Pause]
SW711	92LSWICH-1401A	J	AC	Switch,Key Type [Memory/Set]
SW712	92LSWICH-1401A	J	AC	Switch,Key Type [Stop]
SW713	92LSWICH-1401A	J	AC	Switch,Key Type [Tuner (BAND)]
SW714	92LSWICH-1401A	J	AC	Switch,Key Type [Tape]
SW715	92LSWICH-1401A	J	AC	Switch,Key Type [CD]
SW716	92LSWICH-1401A	J	AC	Switch,Key Type [Rewind]
SW717	92LSWICH-1401A	J	AC	Switch,Key Type [Tuning Up]
SW718	92LSWICH-1401A	J	AC	Switch,Key Type [Tuning Down]
SW719	92LSWICH-1401A	J	AC	Switch,Key Type [Play]
SW720	92LSWICH-1401A	J	AC	Switch,Key Type [Volume Down]
SW721	92LSWICH-1401A	J	AC	Switch,Key Type [Volume Up]
SW722	92LSWICH-1401A	J	AC	Switch,Key Type [X-BASS/DEMO]
SWM3(220-8)	92LM-SW1676A	J	AC	Switch,Leaf Type [Fool Proof]
SWM4(220-9)	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
SWM5(220-10)	92LM-SW1658A	J	AB	Switch,Leaf Type [CAM]

CD-C605H

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CD MECHANISM PARTS				
301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive
303	MLEVP0080AWZZ	J	AC	Rail,Guide
304	NSFTM0002AWFW	J	AE	Shaft,Guide
305	92LMCUSN1524A	J	AD	Cushion
⚠306	92LHPC1MASY	J	BG	Pickup Unit Ass'y
306- 1	————		—	Pickup Unit (Not Replacement Item)
306- 2	NGERH0010AWZZ	J	AB	Gear,Rack
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack
701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm
702	XHBSD20P05000	J	AA	Screw,ø2×5mm
703	XBBSD20P03000	J	AA	Screw,ø2×3mm
704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×ø3.8×0.25mm
M1	92LMTR1854CASY	J	AS	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
SW4	QSW-F9001AW01	J	AD	Switch,Push Type [Pickup In]
CABINET PARTS				
201	92LCAB3050AS1	J	AY	Front,Panel Ass'y
201- 1	————		—	Front Panel (Not Replacement Item)
201- 2	HDECQ0482AWSA	J	AH	Panel,Display
201- 3	HDECQ0460AWSA	J	AH	Panel,Operation
201- 4	HDECQ0461AWSA	J	AC	Ring,Operation
201- 5	HDECQ0462AWSA	J	AC	Cap,Operation Center
201- 6	HDECQ0469AWSA	J	AE	Panel,Center Cap
201- 7	JKNBZ0603AWSA	J	AG	Button,Stop/Play/Repeat
201- 8	JKNBZ0604AWSA	J	AF	Button,Function Selector
201- 9	JKNBZ0605AWSA	J	AF	Button,Volume Up/Down
201-10	JKNBZ0629AWSA	J	AE	Button,Power/Stand-by
201-11	JKNBZ0607AWSA	J	AE	Button,X-BASS/Demo
201-12	JKNBZ0608AWSA	J	AC	Button,Timer/Sleep/Clock
201-13	JKNBZ0610AWSA	J	AM	Button,Disc Skip/Open/Close
201-14	PCUSG0022AWZZ	J	AB	Cushion,Leg
202	92LCAB3041BS1	J	AM	Side Panel Ass'y,Left
202- 1	————		—	Side Panel,Left (Not Replacement Item)
202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
203	92LCAB3041CS1	J	AM	Side Panel Ass'y,Right
203- 1	————		—	Side Panel,Right (Not Replacement Item)
203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
204	92LCOV3022AS1	J	AM	CD Tray Cover Ass'y
204- 1	————		—	Cover,CD Tray (Not Replacement Item)
204- 2	GCOVA1224AWSA	J	AE	Cover,CD Tray Panel,Left
204- 3	GCOVA1225AWSA	J	AE	Cover,CD Tray Panel,Right
204- 4	92LBADGE1671A	J	AC	Badge,SHARP
205	GITAR0479AWSA	J		Back Board [For U.K.]
205	GITAR0480AWSA	J	AH	Back Board [For Europe]
205	GITAR0481AWSA	J		Back Board [Except for U.K./Europe]
206	GDORF0072AWSA	J	AK	Cassette Holder,Tape 1
207	GDORF0073AWSA	J	AK	Cassette Holder,Tape 2
208	HDECQ0463AWSA	J	AE	Panel,Cassette Holder,Tape 1
209	HDECQ0464AWSA	J	AE	Panel,Cassette Holder,Tape 2
210	LANGK0170AWFW	J	AC	Bracket,Headphone Support
211	LANGT0055AWFW	J	AD	Bracket,Heat Sink
212	LCHSM0087AWSA	J	AQ	Main Chassis
213	LHLDZ1087AWSA	J	AC	Holder,FL Display
214	MLIFP0003AWZZ	J	AE	Damper,Cassette Holder
215	MSPRD0092AWFJ	J	AB	Spring,Cassette Holder Up, Tape 1
216	MSPRD0093AWFJ	J	AB	Spring,Cassette Holder Up, Tape 2
218	PRDAR0138AWFW	J	AH	Heat Sink
219	92LRDAT-1468B	J	AE	SUB Heat Sink
220	92LMECHA2823A	J	BL	Tape Mechanism Ass'y
220- 1(MM1)	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
220- 2	NBLTK0011AWZZ	J	AC	Belt,Main [Tape 1]
220- 3	NBLTK0012AWZZ	J	AB	Belt,Main [Tape 2]
220- 4	NBLTK0030AWZZ	J	AC	Belt,Sub
220- 5	NROLY0002AWZZ	J	AF	Pinch Roller
220- 6	92LMRPH1746A	J	AM	Head,Record/Playback [Tape 1/Tape 2]
220- 7	RHEDA0001AWZZ	J	AG	Head,Erase [Tape 2]
220- 8(SWM3)	92LM-SW1676A	J	AC	Switch,Leaf Type [Fool Proof]
220- 9(SWM4)	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
220-10(SWM5)	92LM-SW1658A	J	AB	Switch,Leaf Type [CAM]
222	92LN-BAND1318A	J	AA	Nylon Band,80mm
223	GCAB-1044AWSA	J	AM	CD Player Base
224	GCAB-1052AWSA	J	AP	Top Cabinet
225	LANGF0032AWZZ	J	AC	Support,Turntable Lock Lever
226	LCHSZ0010AWZZ	J	AM	Chassis,Loading
227	LCHSZ0011AWZZ	J	AG	Chassis,CD Mechanism
228	92LHOLD3022AS1	J	AB	Stabilizer Ass'y
228- 1	————		—	Stabilizer (Not Replacement Item)
228- 2	PMAGF0001AWZZ	J	AF	Magnet,Stabilizer
228- 3	92LSUPT1749D	J	AA	Support,Stabilizer Magnet
229	LHLDZ1140AWZZ	J	AB	Guide
230	LHLDZ1141AWZZ	J	AB	Support,Pitch
231	LHLDZ1204AWSA	J	AD	Support,Stabilizer
232	MLEVP0066AWZZ	J	AE	Lever,Shift
233	MLEVP0067AWZZ	J	AC	Lever,Lock
234	MLEVP0068AWZZ	J	AB	Lever,Change
235	MLEVP0070AWZZ	J	AB	Lever,Turntable Lock
236	MSPRC0020AWFJ	J	AB	Spring,Turntable Lock Lever
237	MSPRC0024AWFW	J	AB	Spring,Solenoid
238	MSPRD0044AWFJ	J	AB	Spring,Lock Lever
239	NBLTK0033AWZZ	J	AC	Belt,Drive
240	NGERH0064AWZZ	J	AD	Gear,Cam
241	NGERH0065AWZZ	J	AB	Gear,Turntable
242	NGERK0003AWZZ	J	AC	Gear,Drive
243	NGERK0004AWZZ	J	AB	Gear,Bevel
244	NGERK0005AWZZ	J	AB	Gear,Loading
245	NGERW0006AWZZ	J	AC	Gear,Worm Wheel
246	NPLYD0002AWZZ	J	AC	Pulley
247	NROLP0009AWZZ	J	AB	Roller
248	NTNT-0018AWSA	J	AK	Turntable
249	PCOVZ1013AWZZ	J	AB	Cover,Wire
251	QLUGP0001AWZZ	J	AC	Lug
252	PCUSG0022AWZZ	J	AB	Cushion
253	LHLDZ1230AWZZ	J	AC	Holder,LED
254	LANGT0054AWFW	J	AE	Bracket,Tuner PWB
255	LANGT0049AWFW	J	AK	Bracket,PWB Support
256	92LCAUT1706B	J	AA	Label,CD Laser Caution Mark
257	92LCAUT1706A1	J	AC	Label,CD Laser Caution
258	TLABS0027AWZZ	J	AB	Label,B-Mark
259	TLABS0102AWZZ	J	AB	Label,Gost Rostest
260	92LLABL372C	J	AB	Label,Serial Numder
261	TLABB0001AWZZ	J	AB	Label,Japan
⚠264	QFSHD0001AWZZ	J	AB	Holder,Fuse
602	XBPSD26P05JSO	J	AB	Screw,ø2.6×5mm
603	XEBSD26P12000	J	AA	Screw,ø2.6×12mm
604	XEBSD30P10000	J	AA	Screw,ø3×10mm
605	XEBSD30P12000	J	AA	Screw,ø3×12mm
606	XEBSF30P12000	J	AA	Screw,ø3×12mm
607	XESSD30P10000	J	AA	Screw,ø3×10mm
608	XJBSD30P08000	J	AA	Screw,ø3×8mm
609	XJBSD30P10000	J	AA	Screw,ø3×10mm
610	XJBSF30P08000	J	AA	Screw,ø3×8mm
611	XJSSF30P10000	J	AA	Screw,ø3×10mm
612	XWHJZ62-09510	J	AB	Washer,ø6.2×ø10×0.9mm
614	LX-EZ0005AWFD	J	AA	Screw,Special
615	LX-JZ0002AWFD	J	AA	Screw,ø3×10mm
616	LX-JZ0004AWFD	J	AA	Screw,ø3×12mm
618	LX-TZ0019AFZZ	J	AB	Screw,Special
619	XHBSD30P08000	J	AA	Screw,ø3×8mm
620	XJBSF30P10000	J	AA	Screw,ø3×10mm
621	LX-JZ0003AWFF	J	AA	Screw,ø3×12mm
ACCESSORIES/PACKING PARTS				
1	SPAKC0792AWZZ	J	AR	Packing Case [Except for U.K.]
1	SPAKC0793AWZZ	J	AP	Packing Case [For U.K.]
2	SPAKA0225AWZZ	J		Packing Add.,Left/Right
3	SPAKP0013AWZZ1	J	AC	Polyethylene Bag,Unit
4	92LBAG1460C1	J	AB	Polyethylene Bag,Accessories
5	92LBAG1770A	J	AB	Polyethylene Bag,AC Power Supply Cord [For U.K. Only]
⚠6	QACCB0008AW00	J	AW	AC Power Supply Cord [For U.K.]
⚠6	QACCE0011AW00	J	AM	AC Power Supply Cord [Except for U.K.]
7	TGAN-3170UMZZ	J	AE	Resistration Card [For U.K. Only]
8	TINSE0252AWZZ	J	AE	Operation Manual [For U.K.]
8	TINSZ0425AWZZ	J	AR	Operation Manual [For Europe]
8	TINSZ0426AWZZ	J		Operation Manual [Except for U.K./Europe]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
10	92LF-ANT1535A	J	AF	FM Antenna
11	QANTL0008AWZZ	J	AH	AM Loop Antenna
12	RRMCG0180AWSA	J	AR	Remote Control
	GFTAB1022AWSA	J		Battery Lid,Remote Control
13	TLABZ0571AWZZ	J	AC	Label,Feature,Unit,Tape 1
14	TLABZ0554AWZZ	J	AD	Label,Feature,Unit,Tape 2
15	TLABZ0604AWZZ	J	AB	Label,Energy [Except for U.K.]
16	TLABZ0605AWZZ	J	AB	Label,Saving Energy
17	SPAKZ0507AWZZ	J	AB	Sheet,Protection
18	TLABE0286AWZZ	J	AB	Label,Bar Code
19	TLABG0004AWZZ	J		Label,Set Life [For Russia Only]
20	TLABG0005AWZZ	J	AB	Sheet,INF [For Russia Only]
21	TLABS0214AWZZ	J	AB	Sheet,Gost Info [For Russia]

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

PWB-A1~5	92LPWB3050MANS	J	—	Main/Display/Headphones/ Switch/Support (Combined Ass'y)
PWB-B	92LPWB3072CDUS	J	—	CD Servo
PWB-C	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-D	QPWBF0341AWZZ	J	AB	Tray Motor (PWB Only)
PWB-E	QPWBF0106AWZZ	J	AF	Tape Mechanism (PWB Only)
PWB-F	92LPWB3050TUNS	J	—	Tuner

OTHER SERVICE PART

	UDSKA0004AFZZ	J	AZ	CD Pickup Lens Cleaner

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SPEAKER BOX PARTS

701	92L1210174	J		Net Frame Ass'y
702	92L0510076	J		Speaker Box Ass'y
703	92L2910085	J		Cord,Speaker
704	92L3720049	J		Screw,ø4x12mm
705	92L3510334	J		Label,Specifications
706	92L3160073	J		Panel,Duct
707	92L3940024	J		Port Cushion
SP1,2	VSP0010PBY38A	J	AU	Speaker,Woofer

PACKING PARTS

22	92L4110064	J		Polyethylene Bag,Speaker
23	92L4120131	J		Packing Add.,Top/Bottom, Sperker

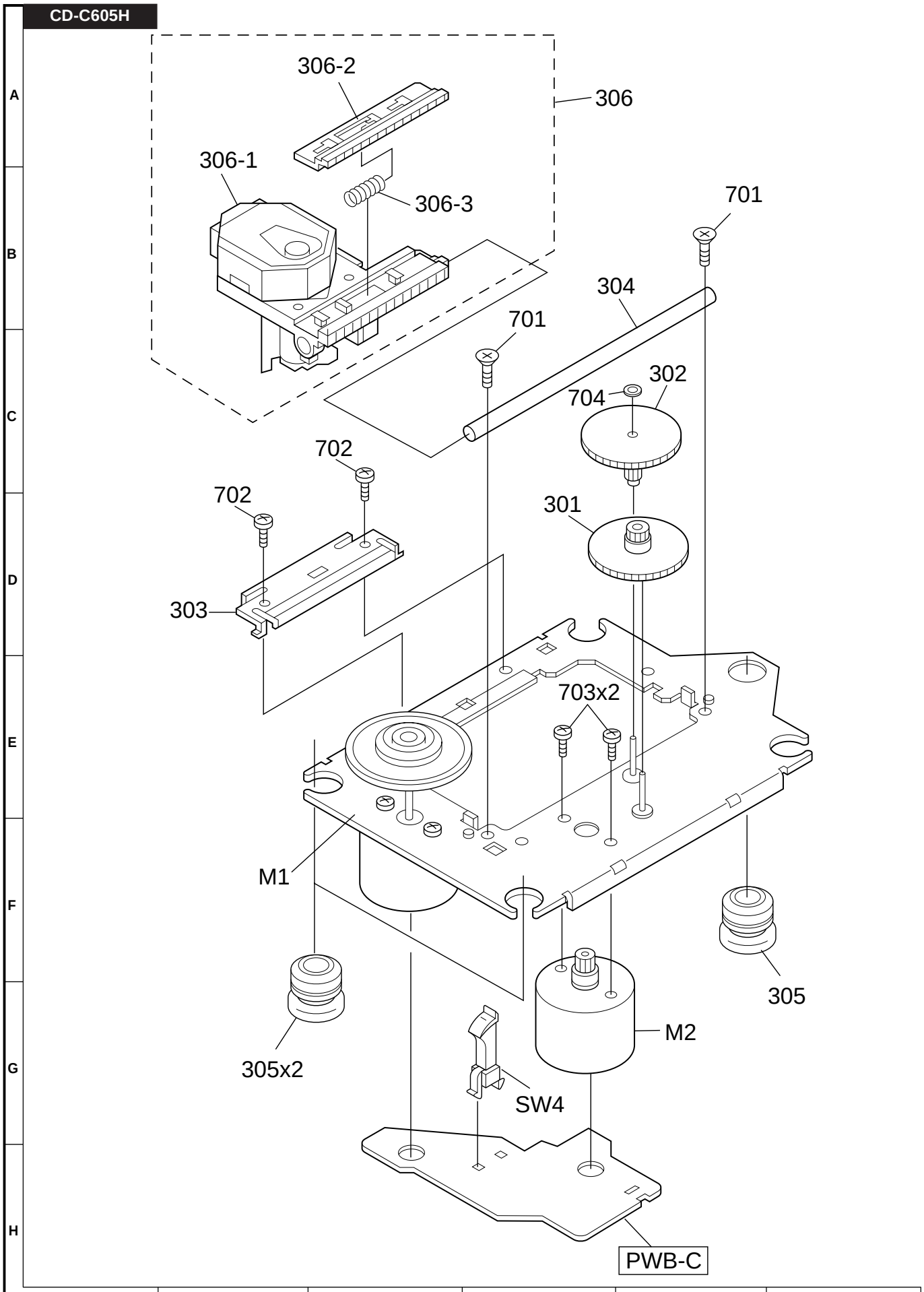
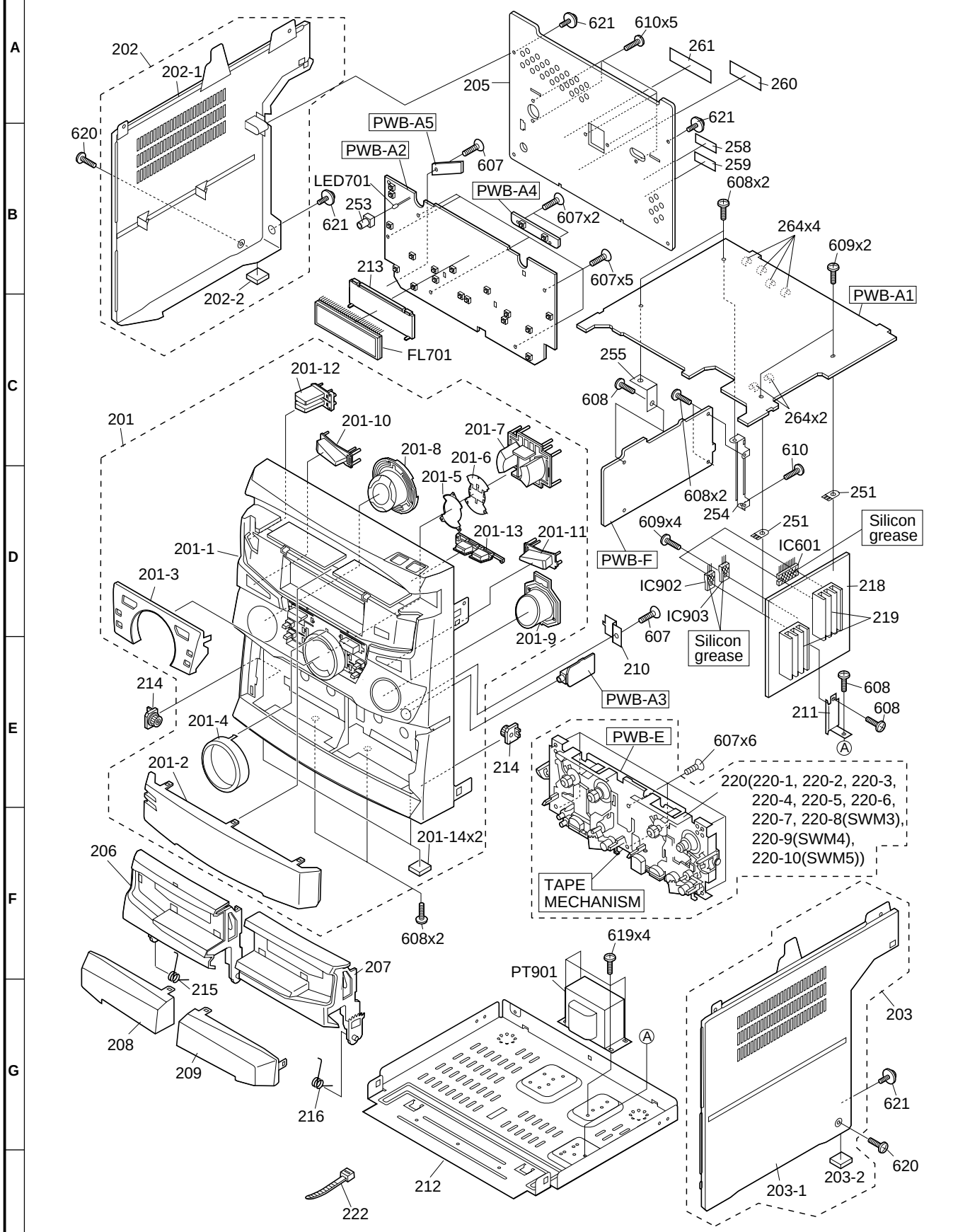


Figure 7 CD MECHANISM EXPLODED VIEW

CD-C605H



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

Figure 8 CABINET EXPLODED VIEW (1/2)

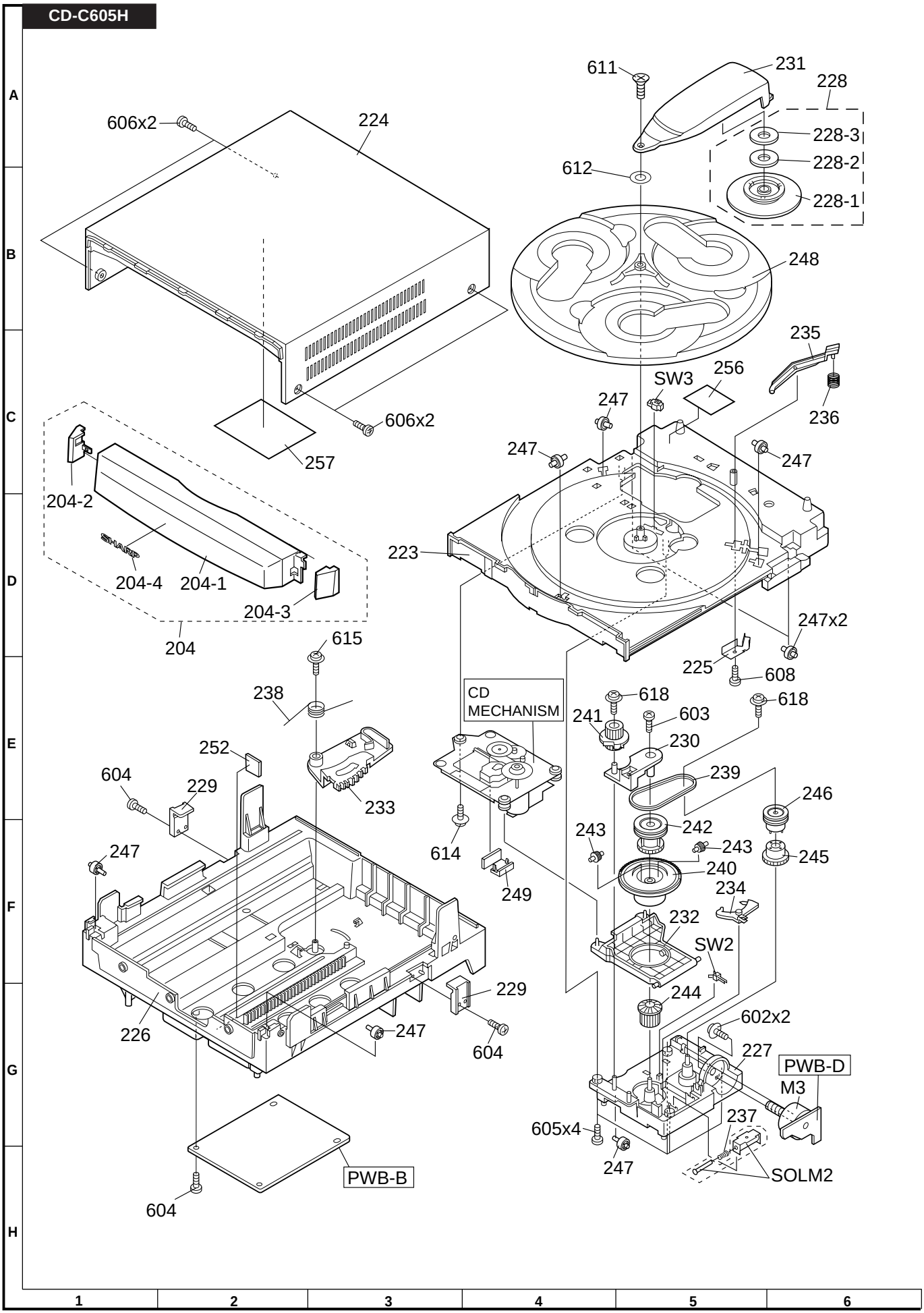


Figure 9 CABINET EXPLODED VIEW (2/2)

CP-C605H

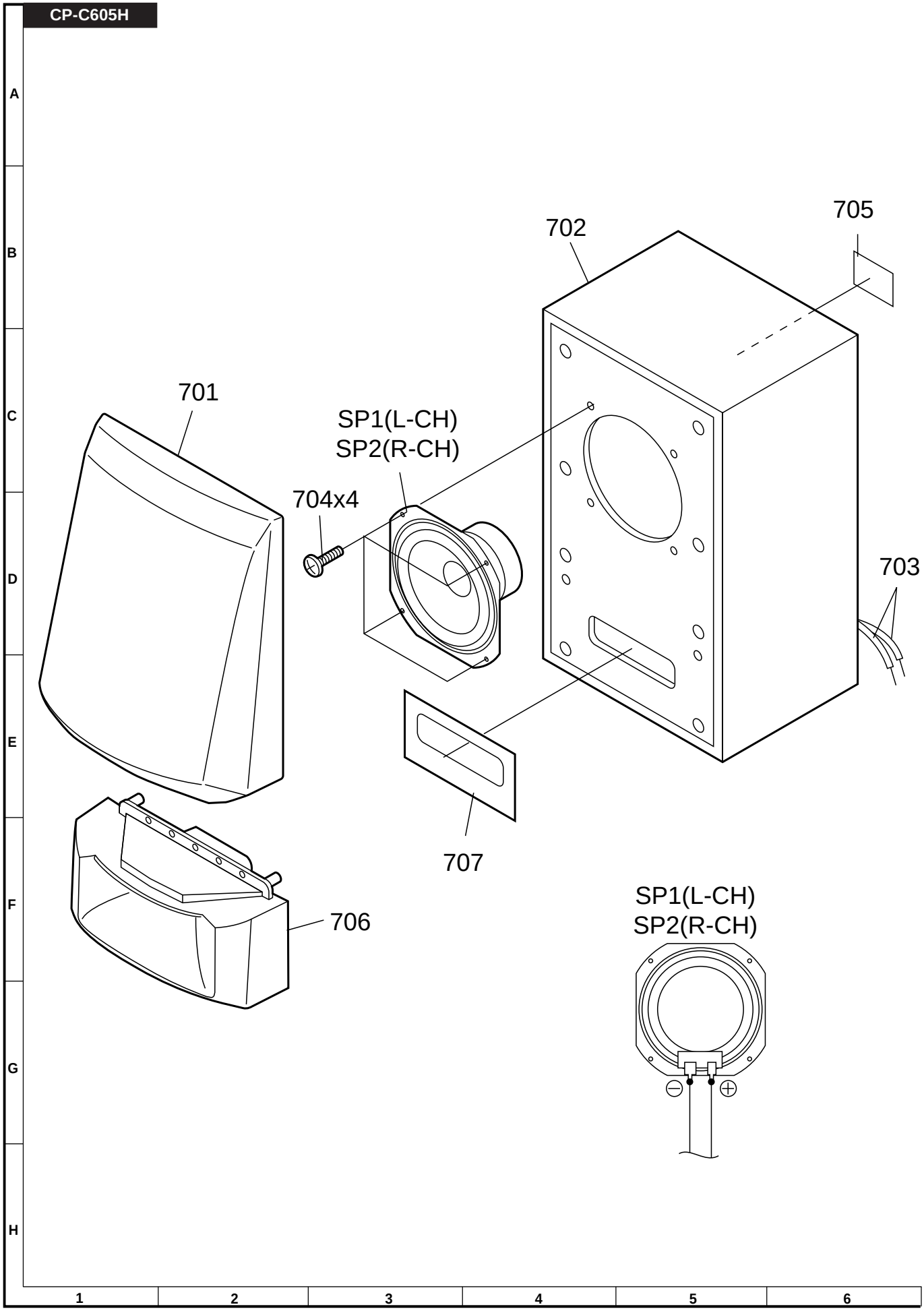


Figure 10 SPEAKER EXPLODED VIEW

PACKING METHOD (FOR U.K. ONLY)

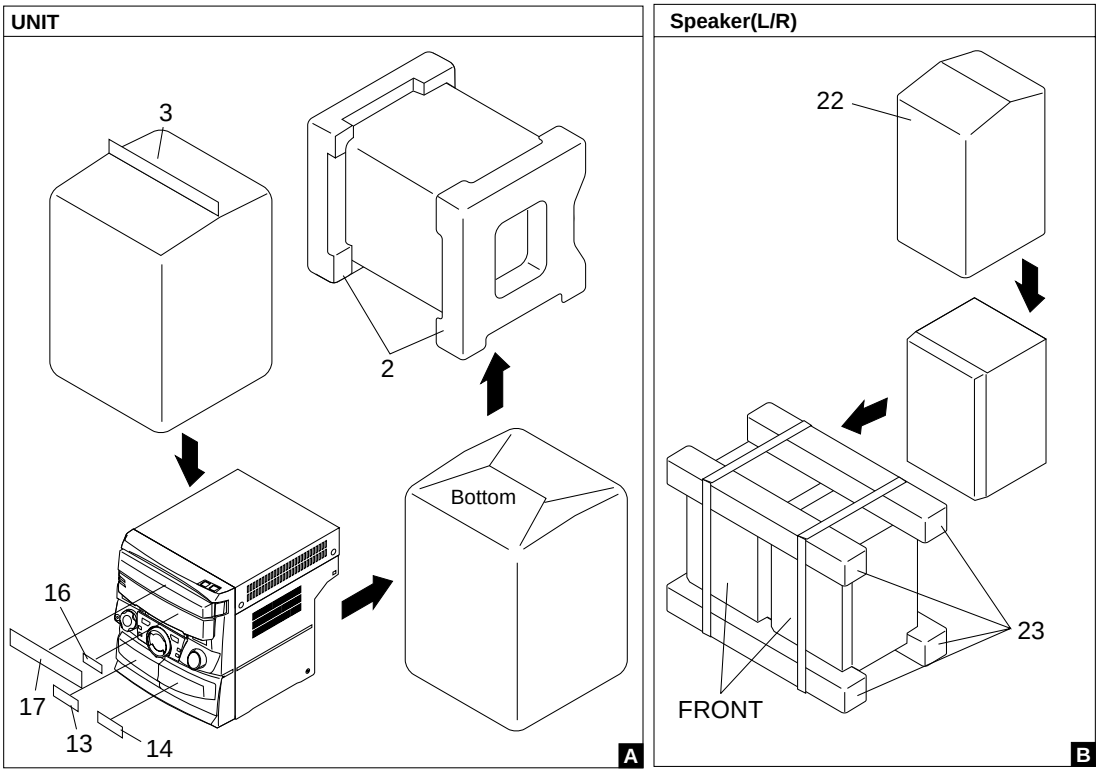
Setting position of switches and knobs	
Tape Mechanism	STOP

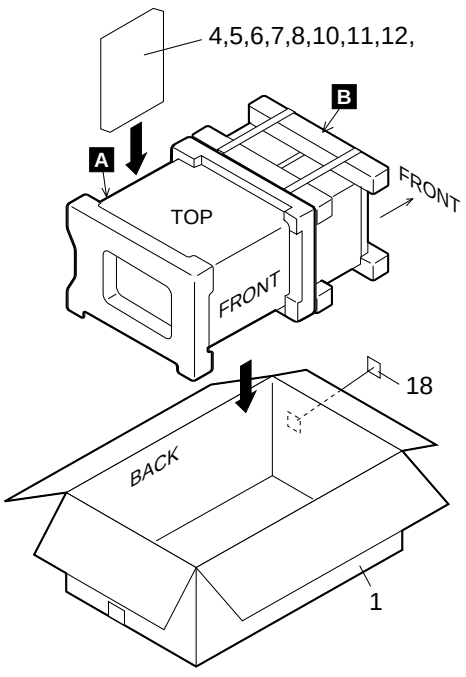
CD-C605H

1	Packing Case	SPAKC0793AWZZ
2	Packing Add., Left/Right	SPAKA0225AWZZ
3	Polyethylene Bag, Unit	SPAKP0013AWZZ1
4	Polyethylene Bag, Accessories	92LBAG1460C1
5	Polyethylene Bag, AC Power Supply Cord	92LBAG1770A
6	AC Power Supply Cord	QACCB0008AW00
7	Resistration Card	TGAN-3170UMZZ
8	Operation Manual	TiNSE0252AWZZ
10	FM Antenna	92LF-ANT1535A
11	AM Loop Antenna	QANTL0008AWZZ
12	Remote Control	RRMCG0180AWSA
13	Label, Feature, Unit, Tape1	TLABZ0571AWZZ
14	Label, Feature, Unit, Tape2	TLABZ0554AWZZ
17	Sheet, Protrction	SPAKZ0507AWZZ
18	Label, Bar Code	TLABE0286AWZZ

CP-C605H

22	Polyethylene Bag, Speaker	92L4110064
23	Packing Add., Top/Bottom, Speaker	92L4120131





— M E M O —

CD-C605H

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