SHARP SERVICE MANUAL

No. S3909CDC606//

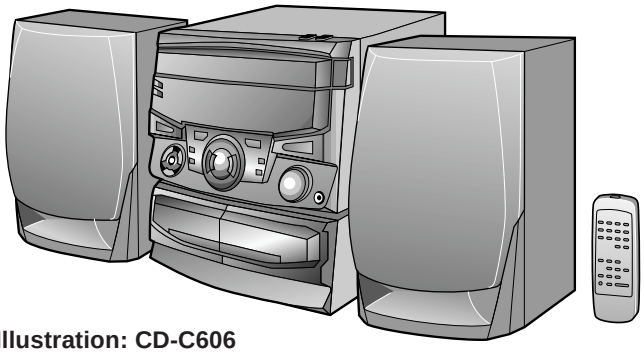


Illustration: CD-C606

COMPACT disc DIGITAL AUDIO

CD-C606
CD-C1900
CP-C606
CP-C1900

CD-C606 mini component system consisting of
CD-C606 mini component system and
CP-C606 speaker system

CD-C1900 mini component system consisting of
CD-C1900 mini component system and
CP-C1900 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.

CONTENTS

SHARP CORPORATION

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

IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

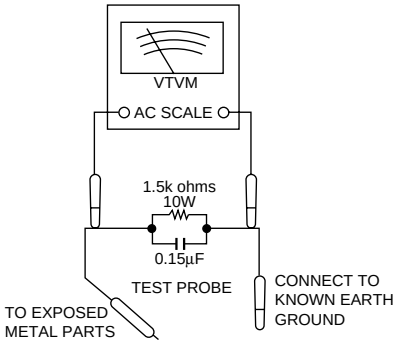
Before returning the audio product to the user, perform the following safety checks.

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

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

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

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



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

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

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

SPECIFICATIONS

CD-C606/1900

● General

Power source:	AC 120 V, 60 Hz
Power consumption:	Stand-by; 0.3 W Power on; 40 W
Dimensions: **(For U.S.A.)**	Width; 10-5/8" (270 mm) Height; 11-13/16" (300 mm) Depth; 13-7/8" (353 mm)
Dimensions: **(For Canada)**	Width; 270 mm (10-5/8") Height; 300 mm (11-13/16") Depth; 353 mm (13-7/8")
Weight: **(For U.S.A.)**	10.3 lbs (4.7 kg)
Weight: **(For Canada)**	4.7 kg (10.3 lbs)

● Amplifier section

Output power: **(For U.S.A.)**	10 watts minimum RMS per channel into 8 ohms from 80 Hz to 20 kHz, 10% total harmonic distortion
Output power: **(For Canada)**	MPO; 36 W (18 W + 18 W) (10% T.H.D.) RMS; 20 W (10 W + 10 W) (10% T.H.D.)
Output terminals:	Speakers; 8 ohms Headphones; 16-50 ohms (recommended; 32 ohms)

● Tuner section

Frequency range:	FM; 87.5-108 MHz AM; 530-1,720 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:	0.15 % (WRMS)

● 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-C606/1900

● Speaker section

Type:	2-way [4" (10cm) woofer and super tweeter]
Maximum input power:	20 W
Rated input power:	10 W
Impedance:	8 ohms
Dimensions: **(For U.S.A.)**	Width; 8-11/16" (220 mm) Height; 11-13/16" (300 mm) Depth; 7-1/16" (180 mm)
Dimensions: **(For Canada)**	Width; 220 mm (8-11/16") Height; 300 mm (11-13/16") Depth; 180 mm (7-1/16")
Weight:(For U.S.A.)	4.4 lbs. (2.0 kg)/each
Weight:(For Canada)	2.0 kg (4.4 lbs.)/each

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

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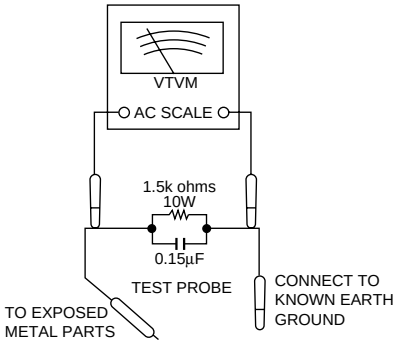

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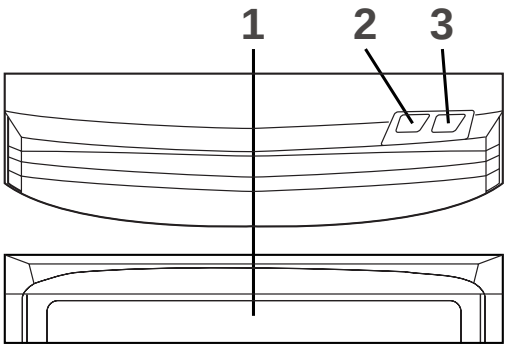
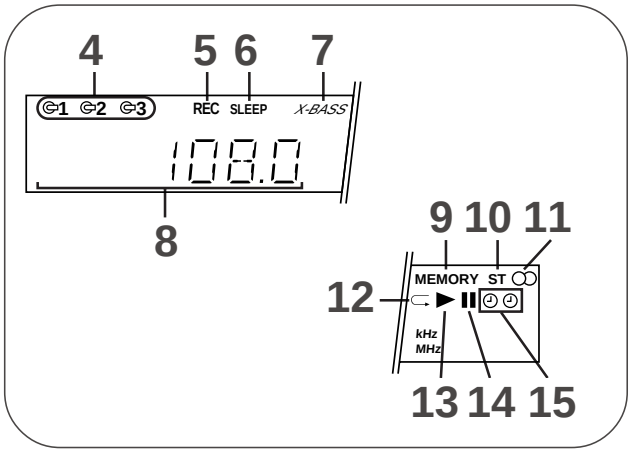
NAMES OF PARTS

CD-C606/1900

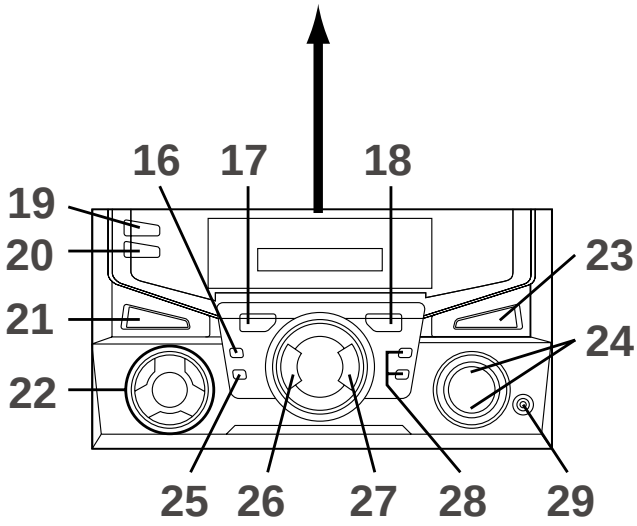
■ Front panel



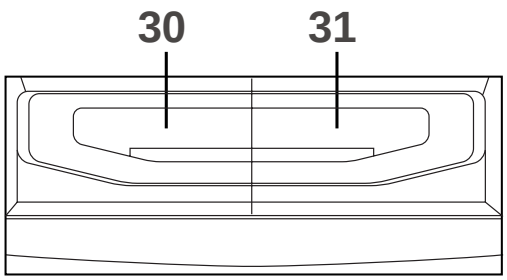
1. Disc Tray
2. Disc Skip Button
3. Open/Close Button



4. Disc Number Indicator
5. Record Indicator
6. Sleep Indicator
7. Extra Bass Indicator
8. Function/CD Track/CD Counter/Frequency/ Preset Channel/Volume/Timer/Sleep Time Indicator
9. 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. Power 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

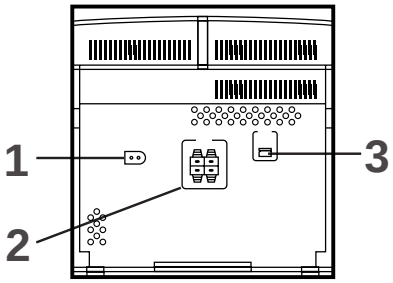


30. (TAPE 1) Cassette Compartment
31. (TAPE 2) Cassette Compartment

CD-C606/1900

■ Rear panel

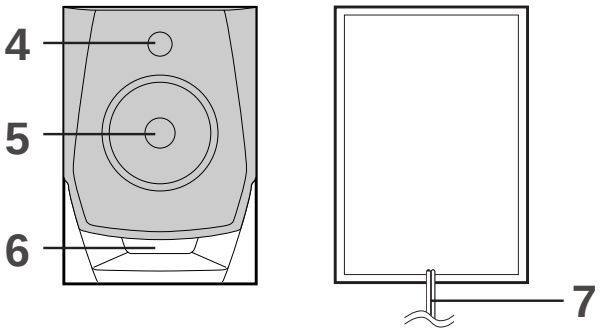
1. AC Power Input Socket
2. Speaker Terminals
3. FM/AM Loop Aerial Socket



CP-C606/1900

■ Speaker

4. Super Tweeter
5. Woofer
6. Bass Reflex Duct
7. Speaker Wire



CD-C606/1900

■ Remote control

1. Remote Control Transmitter LED

● CD control section

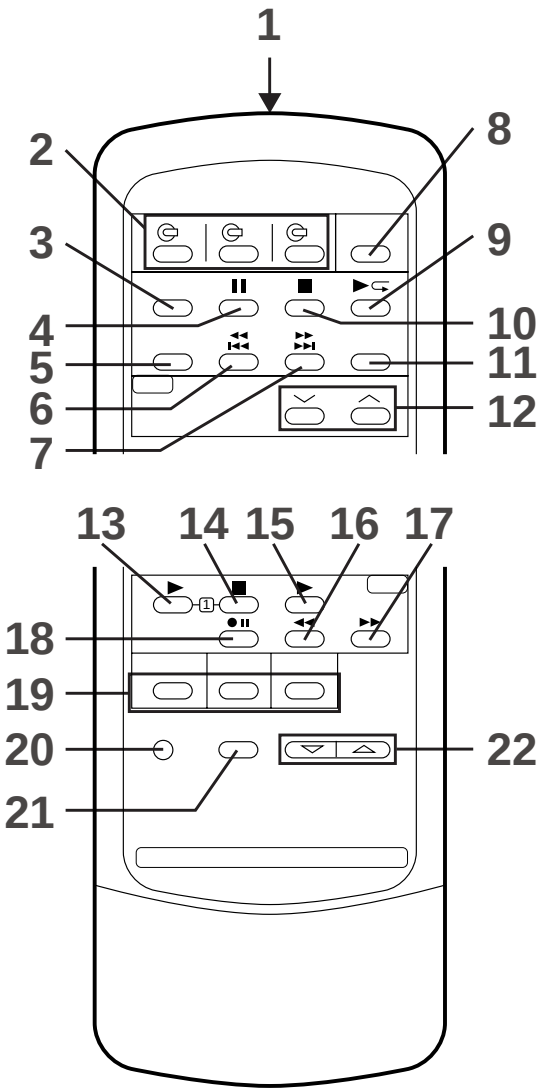
2. Disc Number Select Buttons
3. Memory Button
4. Pause Button
5. Clear Button
6. Track Down/Review Button
7. Track Up/Cue Button
8. Disc Skip Button
9. Play/Repeat Button
10. Stop Button
11. Random Button

● Tuner control section

12. Preset Up/Down Buttons

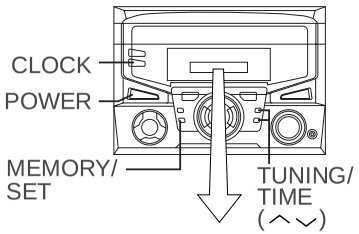
● Tape control section

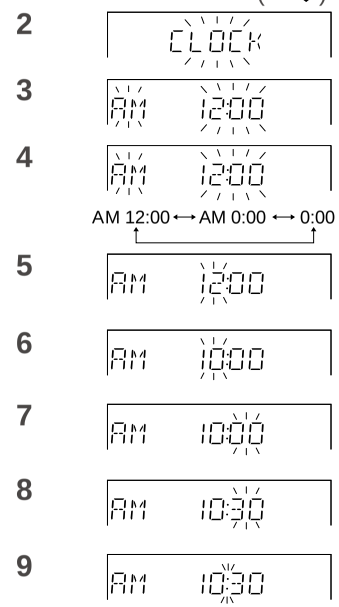
13. (TAPE 1) Play Button
14. (TAPE 1/2) Stop Button
15. (TAPE 2) Play Button
16. (TAPE 2) Rewind Button
17. (TAPE 2) Fast Forward Button
18. (TAPE 2) Record Pause Button
19. Function Selector Buttons
20. Power Button
21. Extra Bass Button
22. Volume Up/Down Buttons



SETTING THE CLOCK

(Main unit operation)
In this example, the clock is set for the 12-hour (AM 12:00) system.





1 Press the POWER 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.

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

- Note that this can only be set when the unit is first installed or it has been reset (see page 13).

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.)

Note:

- In the event of power failure or when the AC power cord is disconnected, the clock display will go out.
  When the AC power supply is restored, the clock display will flash on and off to indicate the time when the power failure occurred or when the AC power cord was 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 see the time display:

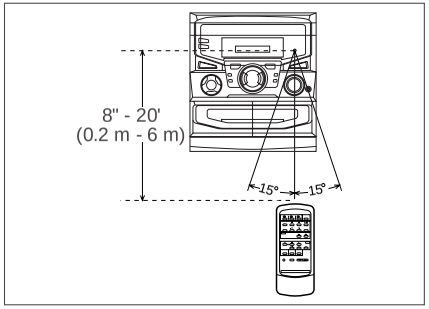
Press the CLOCK button.

- The time display will appear for about 5 seconds.

To change the time display mode:

① Perform steps 1 - 2 in the section "RESETTING THE MICRO COMPUTER".
② Perform steps 1 - 9 above.

PREPARATION FOR USE

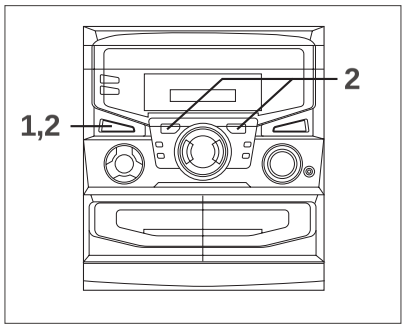


■ Remote control

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.

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 POWER button to enter the stand-by mode.

2 Press and hold down the ⏮/◀◀ button and the ▶▶/⏭ button, hold down the POWER button for at least 1 second.

Caution:

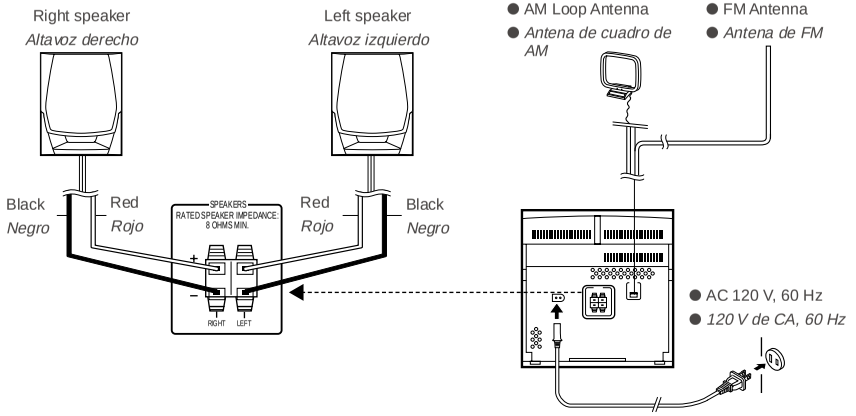
- The operation explained above will erase all data stored in memory including clock and timer settings, and tuner and CD preset.

SHARP

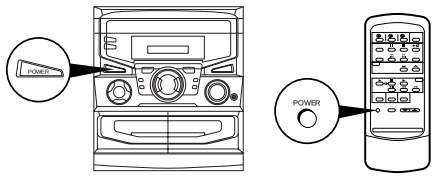
MINI COMPONENT SYSTEM
CD-C606

Quick-Guide
Guía rápida

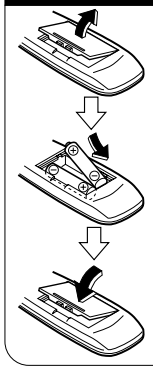
Preparation for use
Preparación para su uso



Turning the power on and off
Conexión y desconexión de la alimentación

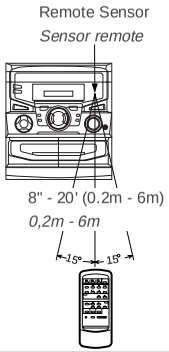


Remote control
Control remoto



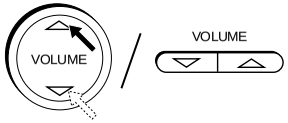
● 2 “AA” batteries
● *Dos pilas “AA”*

● Batteries are not included.
● *Las pilas no están incluidas.*



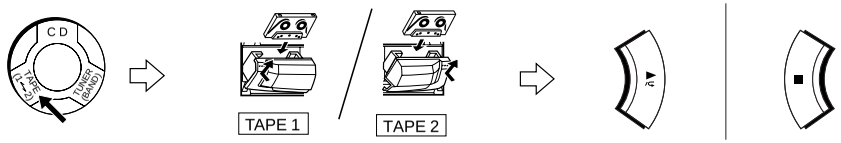
Sound control
Control del sonido

● Volume
● *Volumen*

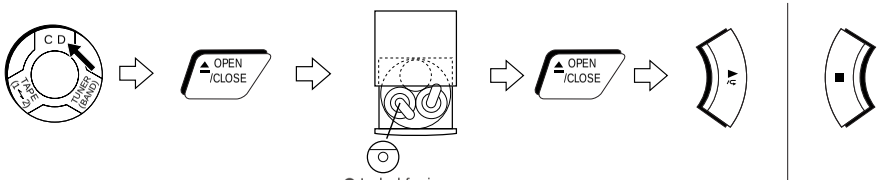


● Extra-BASS
● *Graves extra*

Tape playback
Reproducción de cintas

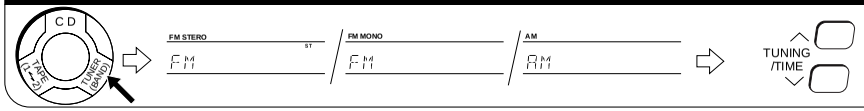


CD playback
Reproducción de discos compactos

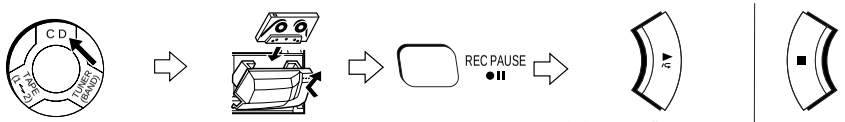


● Label facing up
● *Etiqueta hacia arriba*

Radio operation
Funcionamiento de la radio



Recording from CDs
Grabación de discos compactos



● Load the disc to be recorded.
● *Introduzca el disco que va a grabar.*

● CD recording starts.
● *La grabación de CD empieza.*

Precaution
Precaución

● The sound level at a given volume setting depends on a combination of speaker efficiency, location and many other factors. It is advisable to avoid exposure to high volume levels, which occur while turning the unit on with the volume control setting up high, or while continually listening at high volume levels.
● Only discs bearing the logo as shown can be played in this unit.

● *El nivel de sonido en una posición de volumen fijado depende de una combinación del rendimiento de las altavoces, la posición y muchos otros factores. Es aconsejable evitar un aumento de volumen. Esto se produce, por ejemplo, al conectar el aparato con el volumen puesto en una posición alta. Evite continuar la audición prolongada a altos niveles de sonido.*
● *En este aparato sólo pueden reproducirse los discos que tengan el logotipo mostrado.*

COMPACT disc DIGITAL AUDIO

SHARP

MINI COMPONENT SYSTEM
CD-C1900

Quick-Guide
Guía rápida

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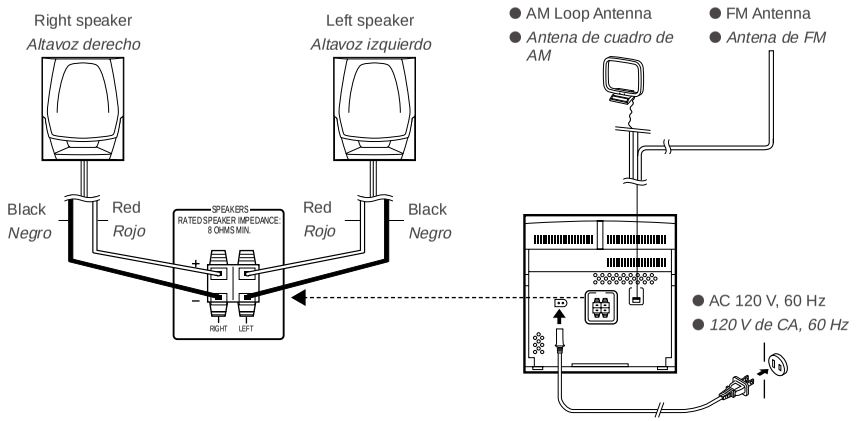
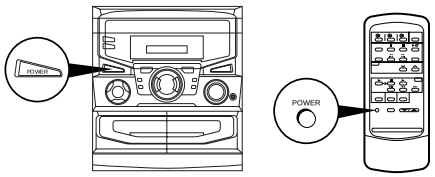
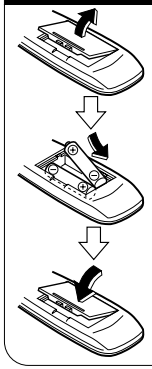
Preparación para su uso



Turning the power on and off
Conexión y desconexión de la alimentación



Remote control
Control remoto



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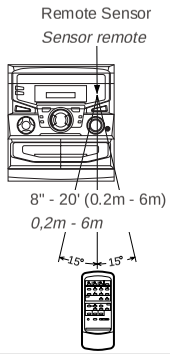
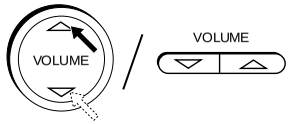


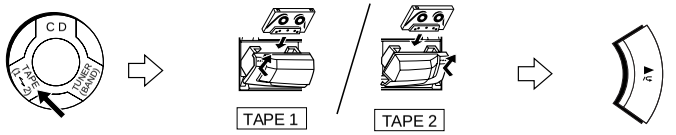
Sound control
Control del sonido

● Volume
● *Volumen*

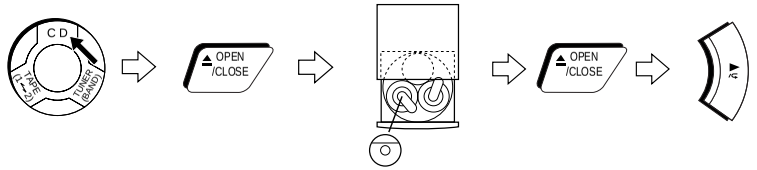


● Extra-BASS
● *Graves extra*

Tape playback
Reproducción de cintas

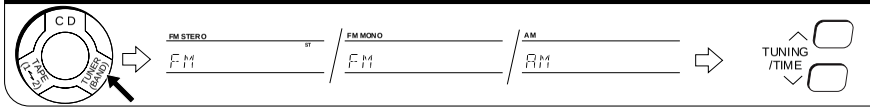


CD playback
Reproducción de discos compactos

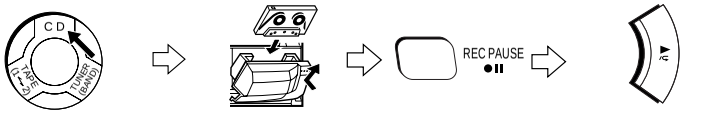


● Label facing up
● *Etiqueta hacia arriba*

Radio operation
Funcionamiento de la radio



Recording from CDs
Grabación de discos compactos



● Load the disc to be recorded.
● *Introduzca el disco que va a grabar.*

● CD recording starts.
● *La grabación de CD empieza.*

Precaution
Precaución

● The sound level at a given volume setting depends on a combination of speaker efficiency, location and many other factors. It is advisable to avoid exposure to high volume levels, which occur while turning the unit on with the volume control setting up high, or while continually listening at high volume levels.
● Only discs bearing the logo as shown can be played in this unit.

● *El nivel de sonido en una posición de volumen fijado depende de una combinación del rendimiento de las altavoces, la posición y muchos otros factores. Es aconsejable evitar un aumento de volumen. Esto se produce, por ejemplo, al conectar el aparato con el volumen puesto en una posición alta. Evite continuar la audición prolongada a altos niveles de sonido.*
● *En este aparato sólo pueden reproducirse los discos que tengan el logotipo mostrado.*

COMPACT disc DIGITAL AUDIO

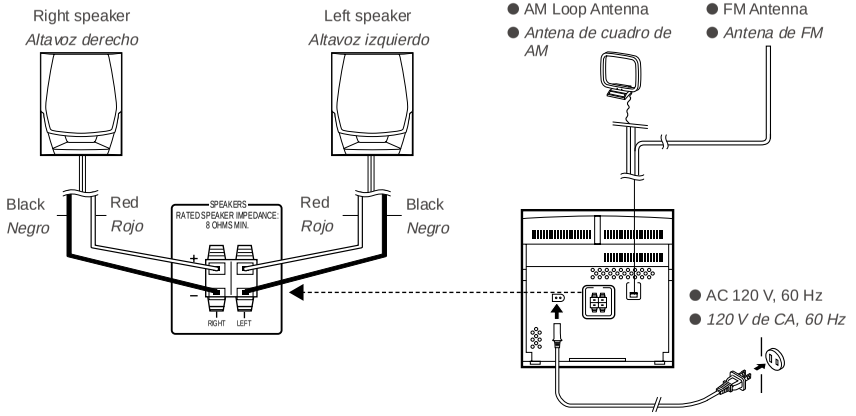
CD-C606/1900,CP-C606/1900

SHARP

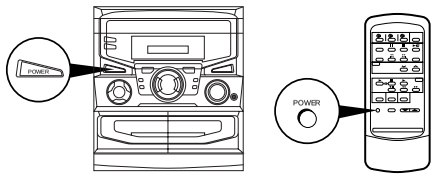
MINI COMPONENT SYSTEM
CD-C606

Quick-Guide
Guía rápida

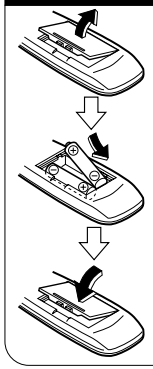
Preparation for use
Preparación para su uso



Turning the power on and off
Conexión y desconexión de la alimentación

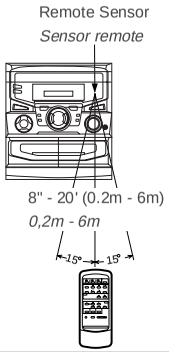


Remote control
Control remoto



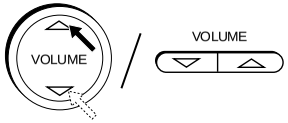
● 2 “AA” batteries
● *Dos pilas “AA”*

● Batteries are not included.
● *Las pilas no están incluidas.*



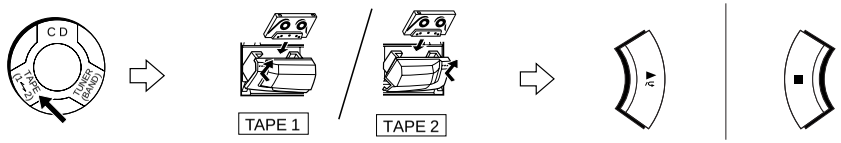
Sound control
Control del sonido

● Volume
● *Volumen*

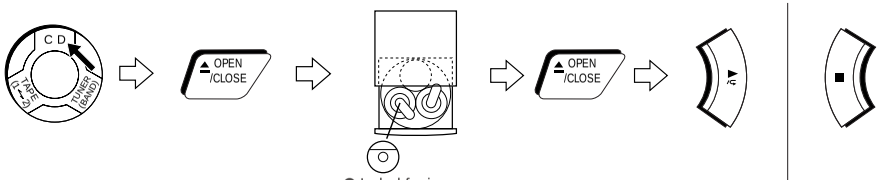


● Extra-BASS
● *Graves extra*

Tape playback
Reproducción de cintas

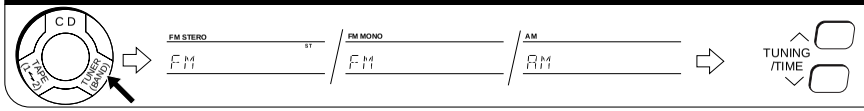


CD playback
Reproducción de discos compactos

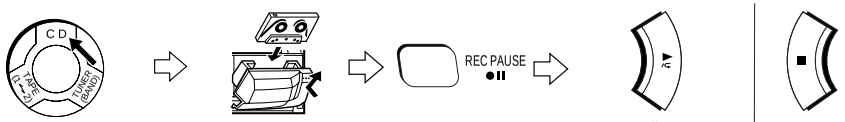


● Label facing up
● *Etiqueta hacia arriba*

Radio operation
Funcionamiento de la radio



Recording from CDs
Grabación de discos compactos



● Load the disc to be recorded.
● *Introduzca el disco que va a grabar.*

● CD recording starts.
● *La grabación de CD empieza.*

Precaution
Precaución

● The sound level at a given volume setting depends on a combination of speaker efficiency, location and many other factors. It is advisable to avoid exposure to high volume levels, which occur while turning the unit on with the volume control setting up high, or while continually listening at high volume levels.
● Only discs bearing the logo as shown can be played in this unit.

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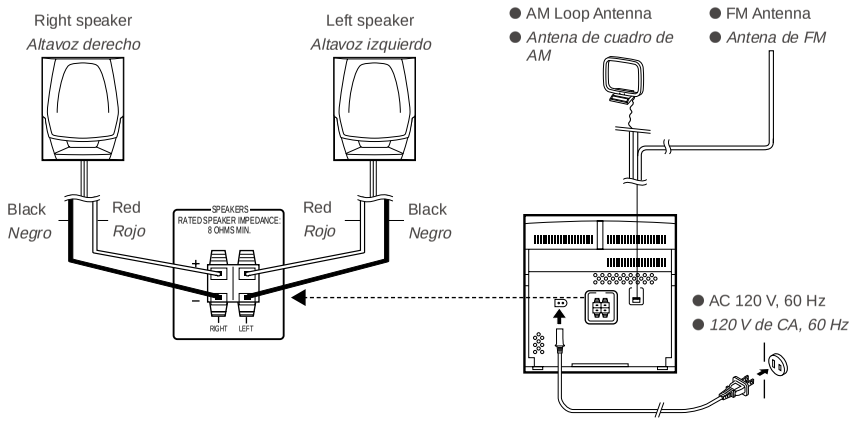
COMPACT disc DIGITAL AUDIO

SHARP

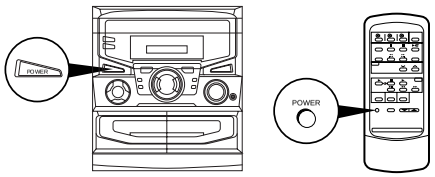
MINI COMPONENT SYSTEM
CD-C1900

Quick-Guide
Guía rápida

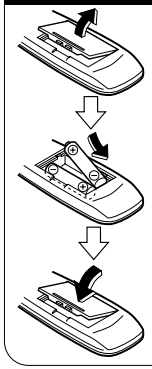
Preparation for use
Preparación para su uso



Turning the power on and off
Conexión y desconexión de la alimentación

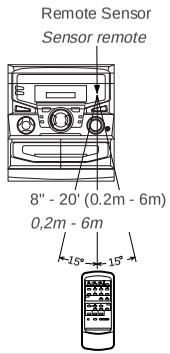


Remote control
Control remoto



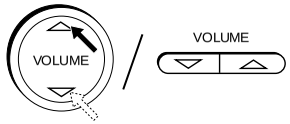
● 2 “AA” batteries
● *Dos pilas “AA”*

● Batteries are not included.
● *Las pilas no están incluidas.*



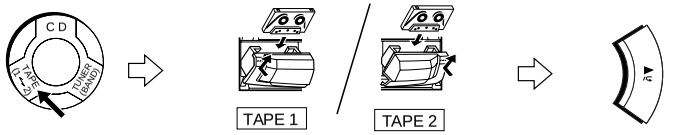
Sound control
Control del sonido

● Volume
● *Volumen*

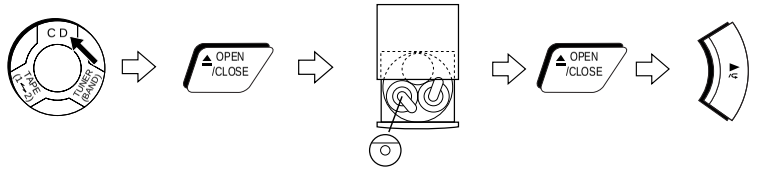


● Extra-BASS
● *Graves extra*

Tape playback
Reproducción de cintas

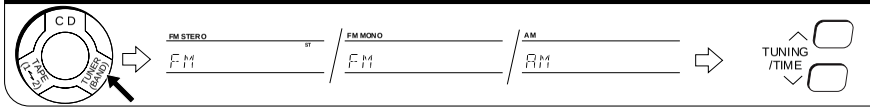


CD playback
Reproducción de discos compactos

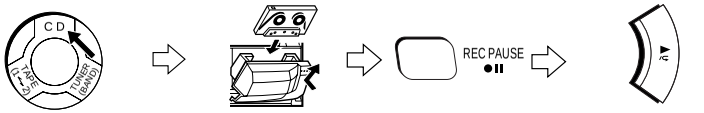


● Label facing up
● *Etiqueta hacia arriba*

Radio operation
Funcionamiento de la radio



Recording from CDs
Grabación de discos compactos



● Load the disc to be recorded.
● *Introduzca el disco que va a grabar.*

● CD recording starts.
● *La grabación de CD empieza.*

Precaution
Precaución

● The sound level at a given volume setting depends on a combination of speaker efficiency, location and many other factors. It is advisable to avoid exposure to high volume levels, which occur while turning the unit on with the volume control setting up high, or while continually listening at high volume levels.
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● *En este aparato sólo pueden reproducirse los discos que tengan el logotipo mostrado.*

COMPACT disc DIGITAL AUDIO

CD-C606/1900,CP-C606/1900

CP-C606/1900

STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Net ..... (A1) x1 2. Duct Panel ..... (A2) x1 3. Screw ..... (A3) x4	10-1 10-2

CP-C606/1900

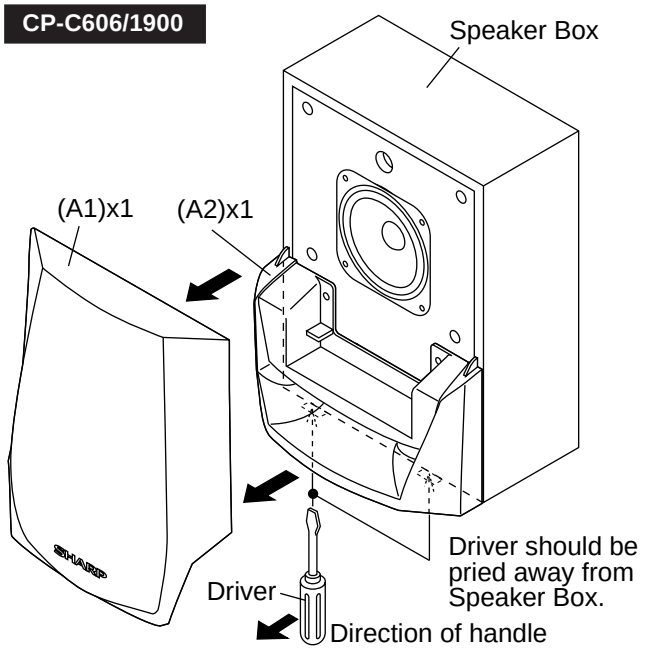


Figure 10-1

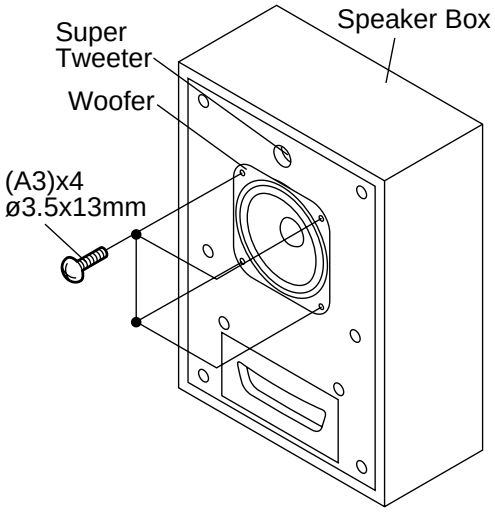


Figure 10-2

REMOVING AND REINSTALLING THE MAIN PARTS

CD MECHANISM SECTION

Perform steps 1, 2, 3, and 8 ~ 12 of the disassembly method to remove the CD mechanism.

How to remove the turntable up/down/loading motor (See Fig. 10-3)

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

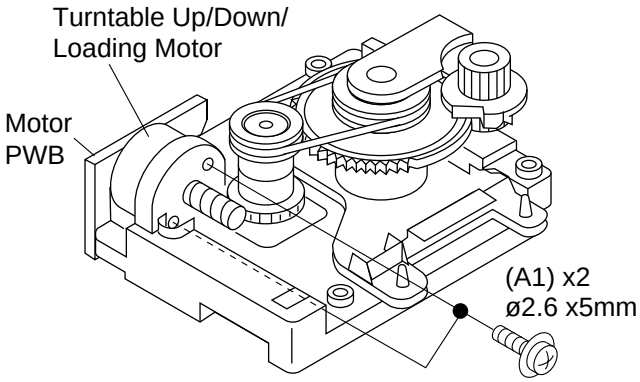


Figure 10-3

How to remove the pickup (See Fig. 10-4)

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 so as to prevent damage to the optical pickup by static electricity.

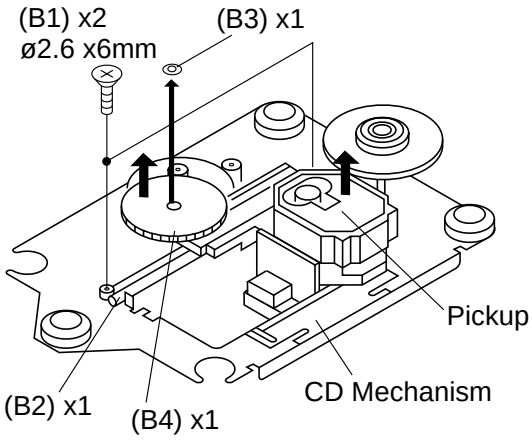


Figure 10-4

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	Volume in motor (MM1)	3,000 ± 30 Hz	Speaker terminal (Load resistance: 8 ohms)

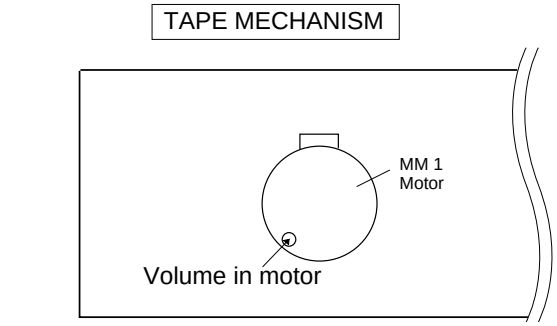


Figure 11-1 ADJUSTMENT POINTS

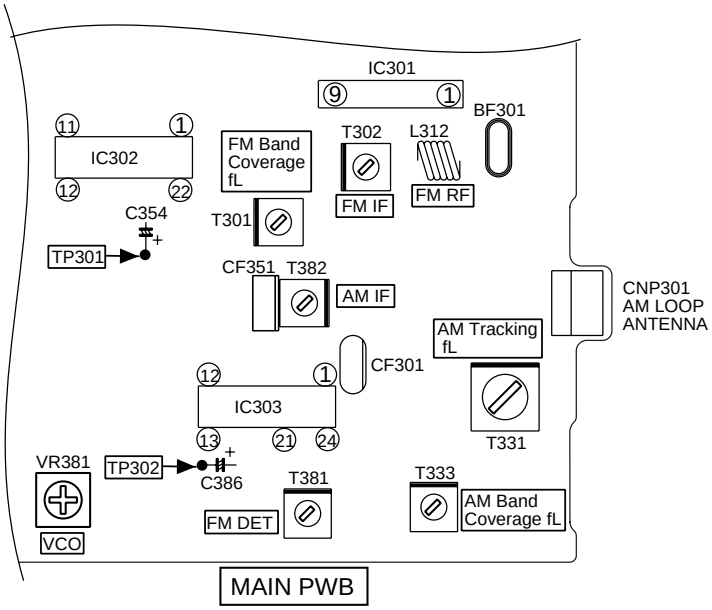


Figure 11-2 ADJUSTMENT POINTS

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	1,720 kHz	T382	*1
Band Coverage	—	530 kHz	(fL): T333 1.1 ± 0.1 V	*2
Tracking	990 kHz	990 kHz	(fL): T331	*1

*1. Input: Antenna (CNP301), Output: TP301
*2. Input: Antenna (CNP301), Output: TP302

• FM RF

Signal generator: 1 kHz, 22.5 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Serring/ Adjusting Point	Instrument Connection
Band Coverage	—	87.50 MHz	T301(fL): 3.4 V ± 50 mV	*1
RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna (CNP301), Output: TP302
*2. Input: Antenna (CNP301), Output: Speaker terminal

• FM Detection

Signal generator: 10.7 MHz, FM sweep generator

Test Stage	Frequency	Frequency Display	Adjusting Parts	Instrument Connection
Detection	10.7 MHz	98.00 MHz	T381	Input: Pin 1 of IC303 Output: TP302
IF	10.7 MHz	98.00 MHz	T302(Turn the core of transformer T381 fully counter-clookwise.)	Input: Pin 1 of IC301 Output: TP302

• VCO Frequency

Frequency	Frequency Display	Adjusting Parts	Instrument Connection
98.00 MHz (60 dB)	98.00 MHz	VR381*	Pin 13, Pin 21 and ground of IC303

* Adjust for 76 kHz ± 200 Hz.

Notes:

After preparing the test circuit shown in Fig 11-3, connect the Pin 13 , Pin 21 and ground of the IC303 with test circuit, and measure the Value.
At this time, apply a standard unmodulated signal input and adjust the VCO.

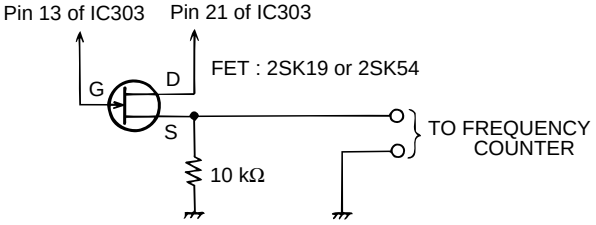


Figure 11-3

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. 12-1)
OPEN/CLOSE operation is manual operation.
The pickup can be moved by using the (▶▶) or (◀◀) key.
IL is not performed.

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

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

Note:

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

Canceling method - POWER OFF

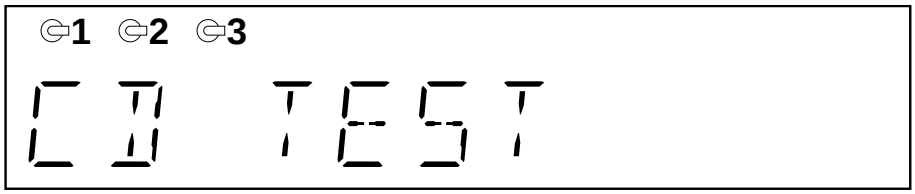


Figure 12-1

CD SECTION

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

• Automatic adjustment item

1. Focus offset (Fig. 12-2)
2. Tracking offset (Fig. 12-3)
3. E/F balance (tracking error balance) (Fig. 12-4)
4. RF level AGC function (HF level: constant)
5. RF level automatic follow-up of the tracking gain

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

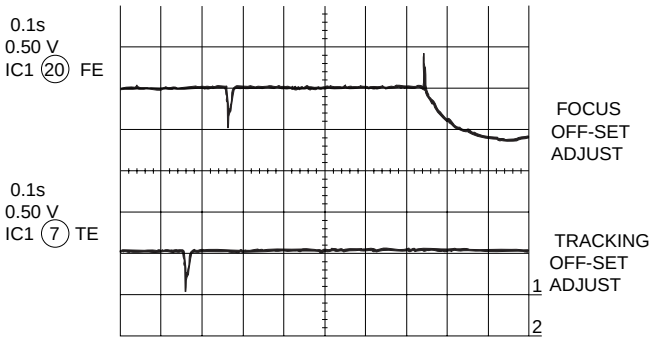


Figure 12-2

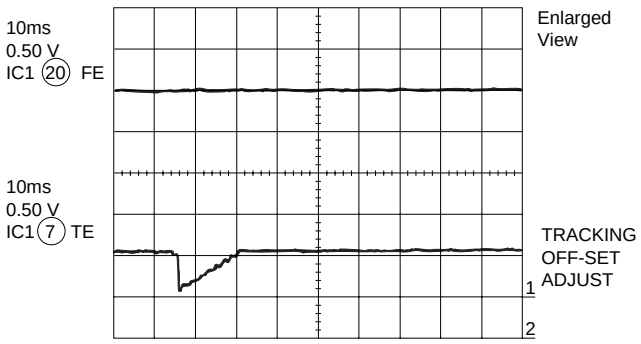


Figure 12-3

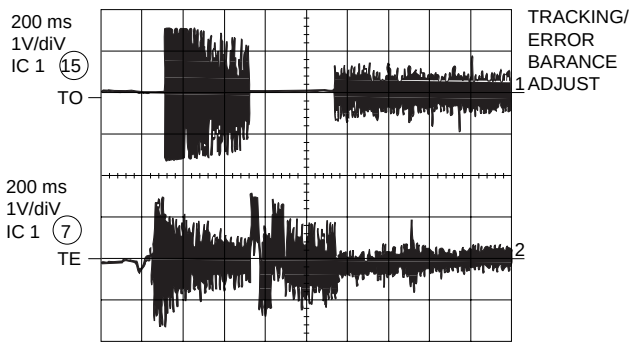


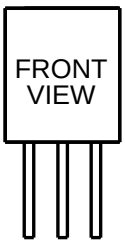
Figure 12-4

NOTES ON SCHEMATIC DIAGRAM

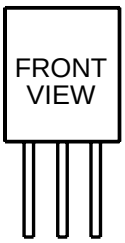
- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, 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 “ ⚠ ” (⊏ ニ ニ ニ ⊐) 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
SW605	TAPE 1 MAIN	ON—OFF
SW606	TAPE 2 MAIN	ON—OFF
SW607	TAPE 1 RECORD	ON—OFF
SW608	TAPE 1 PLAY	ON—OFF
SW701	POWER	ON—OFF
SW702	VOLUME UP	ON—OFF
SW703	VOLUME DOWN	ON—OFF
SW704	PLAY	ON—OFF

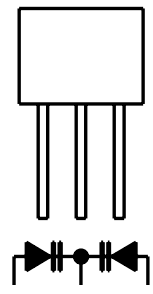
REF. NO	DESCRIPTION	POSITION
SW705	FAST FORWARD	ON—OFF
SW706	REWIND	ON—OFF
SW707	OPEN/CLOSE	ON—OFF
SW708	STOP	ON—OFF
SW709	DISC SKIP	ON—OFF
SW710	X-BASS	ON—OFF
SW711	FUNCTION	ON—OFF
SW712	BAND	ON—OFF
SW714	MEMORY	ON—OFF
SW715	TUNING UP	ON—OFF
SW716	TUNING DOWN	ON—OFF



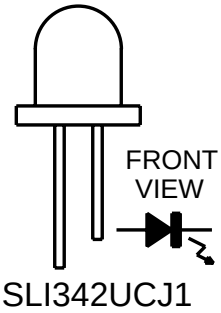
2SC2389 SE
KRA102 M
KRA109 M
KRC102 M
KRC104 M
KRC107 M
KTA1266 GR
KTA1271 Y
KTA1273 Y
KTC3194 Y
KTC3199 GR
KTC3203 Y



2SA1318



SVC211C
SVC348S



SLI342UCJ1

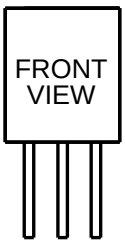
Figure 13 TYPES OF TRANSISTOR AND LED

NOTES ON SCHEMATIC DIAGRAM

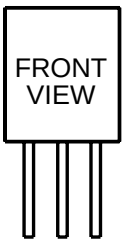
- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, 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 “ ⚠ ” (⊏ ニ ニ ニ ⊐) 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
SW605	TAPE 1 MAIN	ON—OFF
SW606	TAPE 2 MAIN	ON—OFF
SW607	TAPE 1 RECORD	ON—OFF
SW608	TAPE 1 PLAY	ON—OFF
SW701	POWER	ON—OFF
SW702	VOLUME UP	ON—OFF
SW703	VOLUME DOWN	ON—OFF
SW704	PLAY	ON—OFF

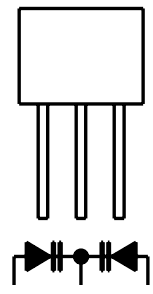
REF. NO	DESCRIPTION	POSITION
SW705	FAST FORWARD	ON—OFF
SW706	REWIND	ON—OFF
SW707	OPEN/CLOSE	ON—OFF
SW708	STOP	ON—OFF
SW709	DISC SKIP	ON—OFF
SW710	X-BASS	ON—OFF
SW711	FUNCTION	ON—OFF
SW712	BAND	ON—OFF
SW714	MEMORY	ON—OFF
SW715	TUNING UP	ON—OFF
SW716	TUNING DOWN	ON—OFF



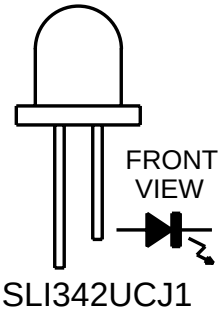
2SC2389 SE
KRA102 M
KRA109 M
KRC102 M
KRC104 M
KRC107 M
KTA1266 GR
KTA1271 Y
KTA1273 Y
KTC3194 Y
KTC3199 GR
KTC3203 Y



2SA1318



SVC211C
SVC348S

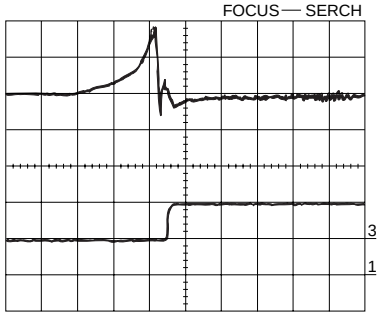


SLI342UCJ1

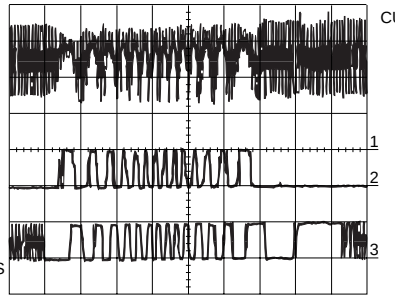
Figure 13 TYPES OF TRANSISTOR AND LED

WAVEFORMS OF CD CIRCUIT

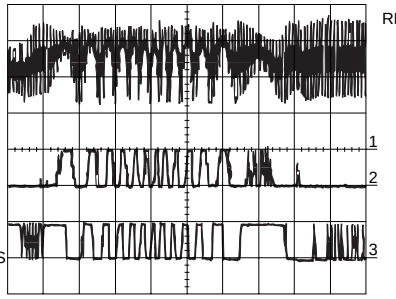
STOP → PLAY
FOCUS — SERCH



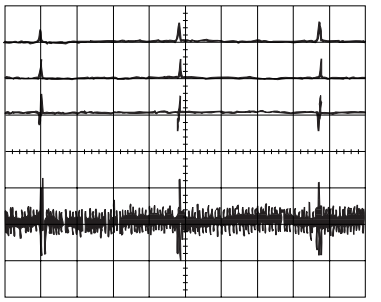
CUE

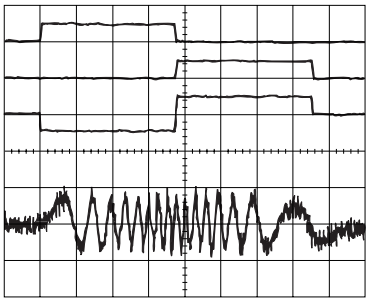


REVIEW

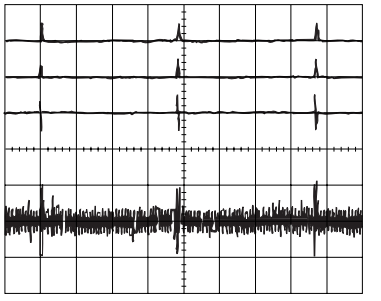


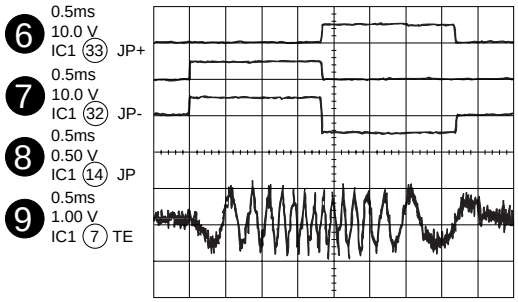
CUE



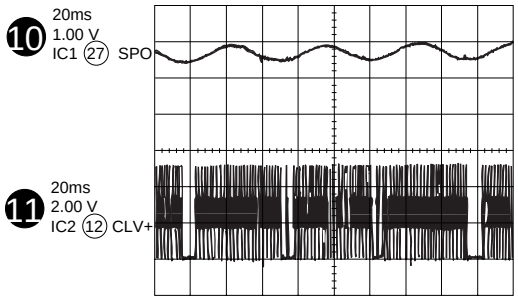


REVIEW

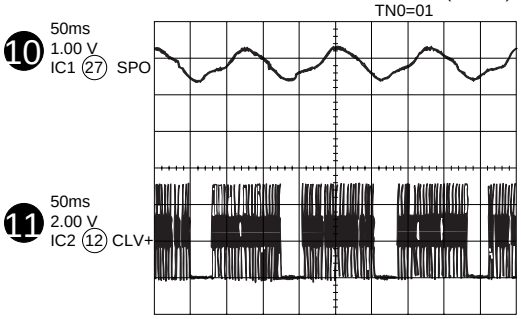




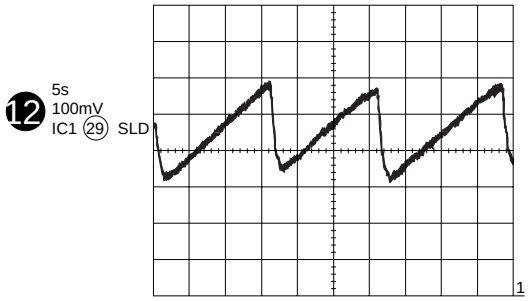
PLAY NORMAL DISC
TN0=01

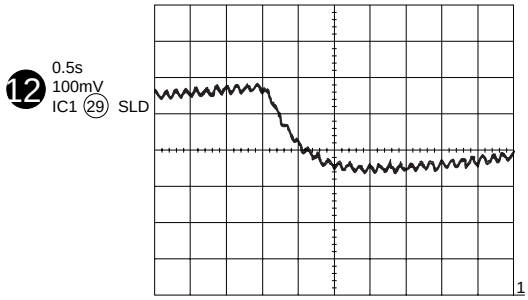


PLAY TCD-712 (140mm)
TN0=01



PLAY TCD-712





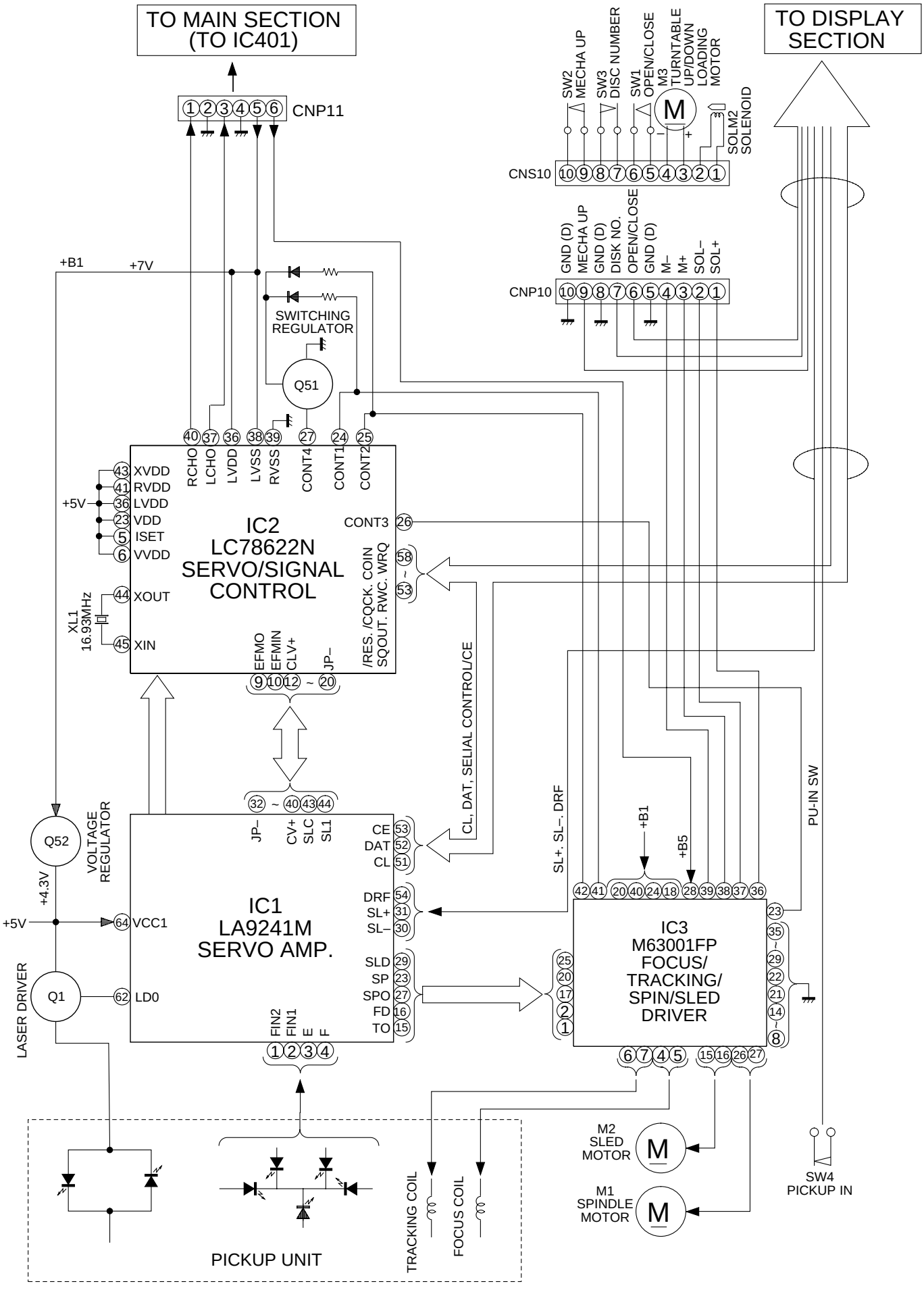


Figure 15 BLOCK DIAGRAM (1/3)

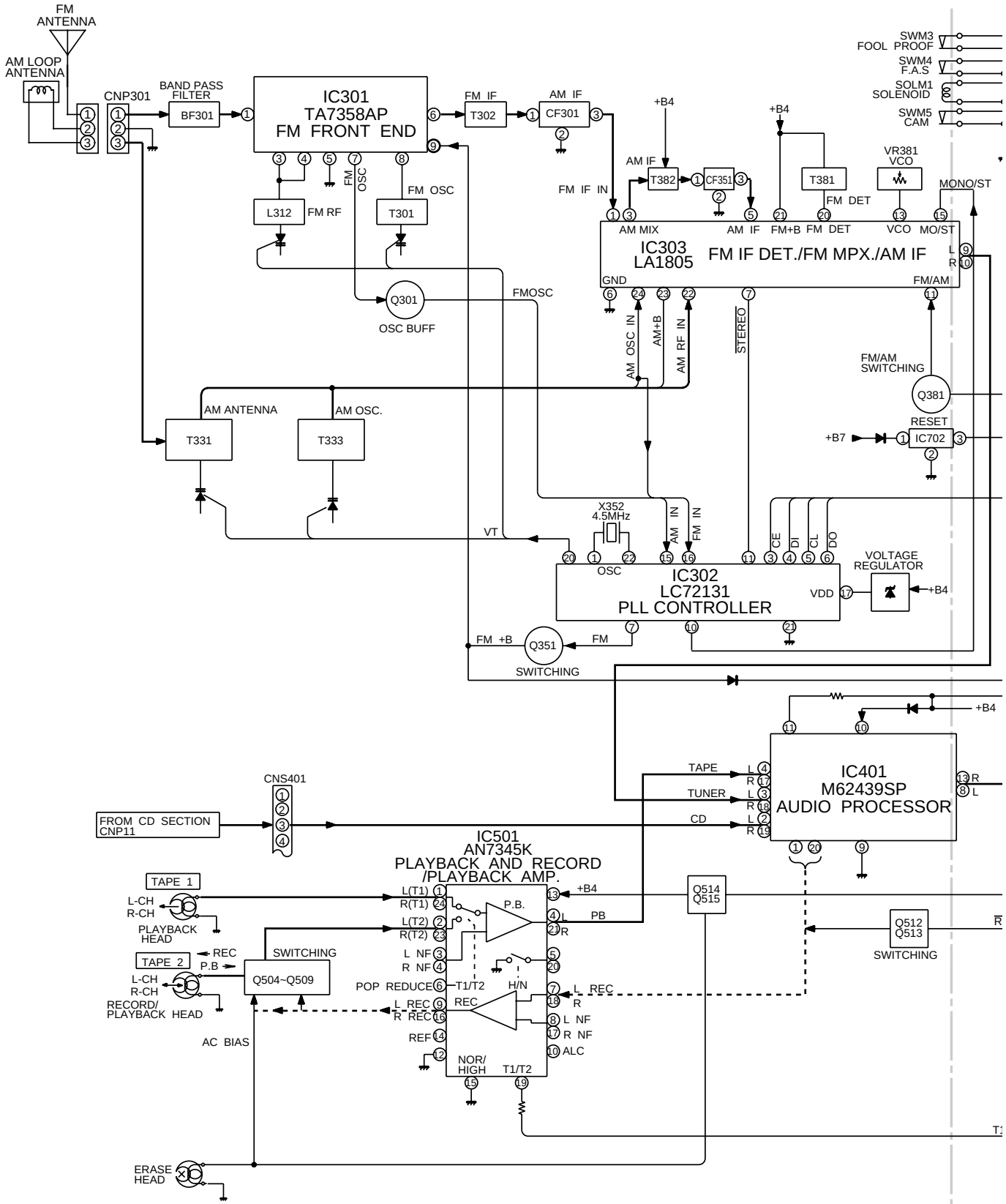


Figure 16 BLOCK DIAGRAM (2/3)

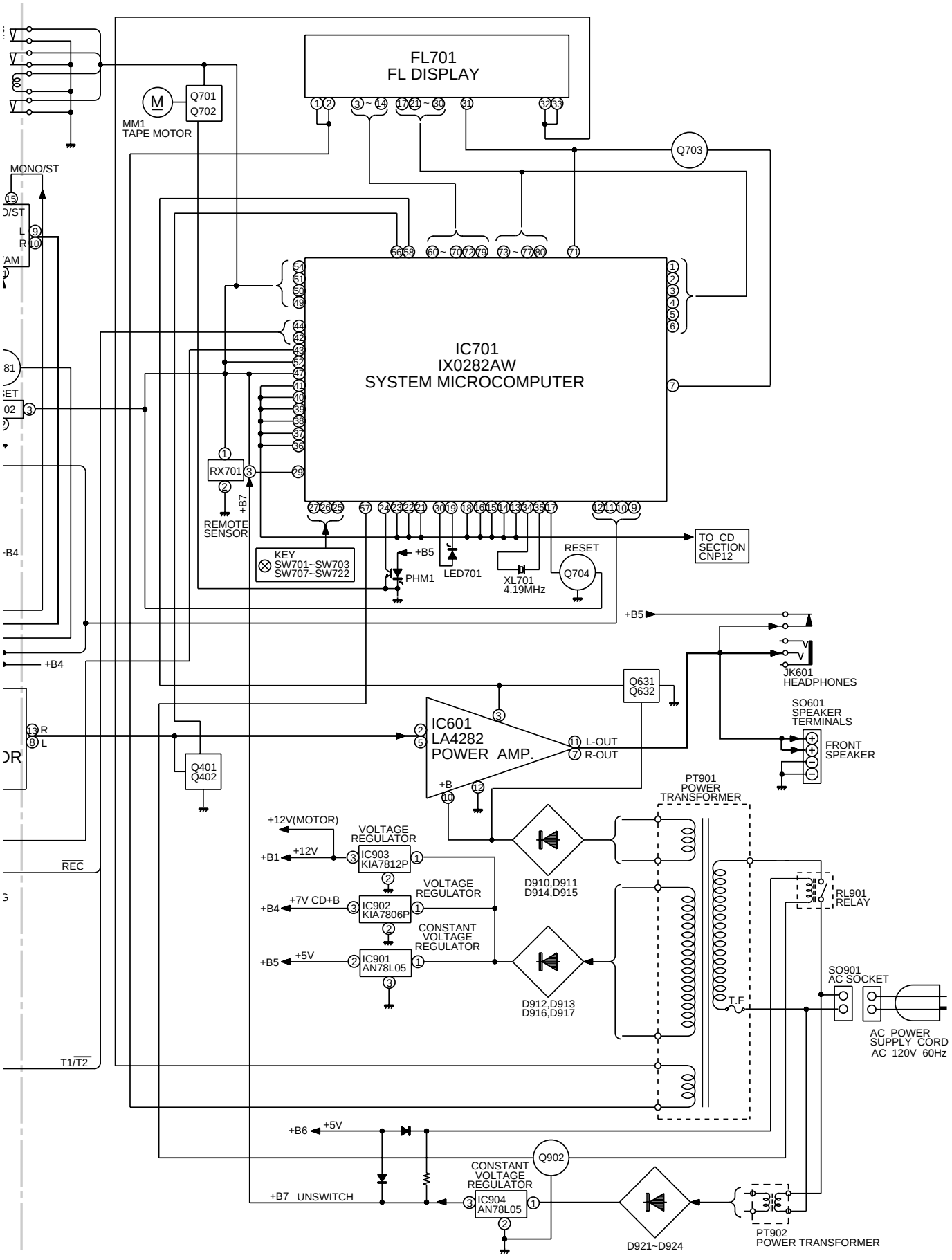
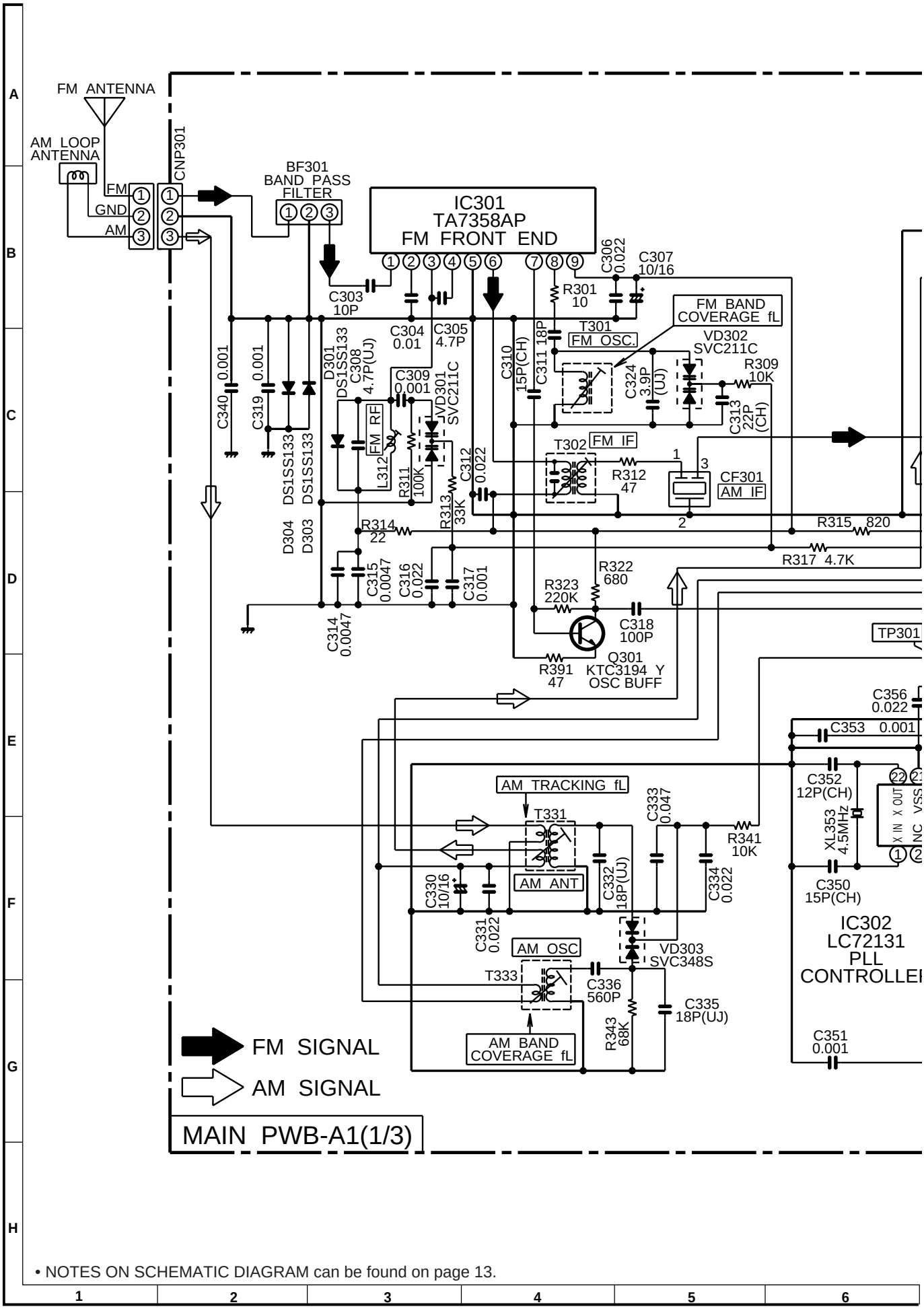
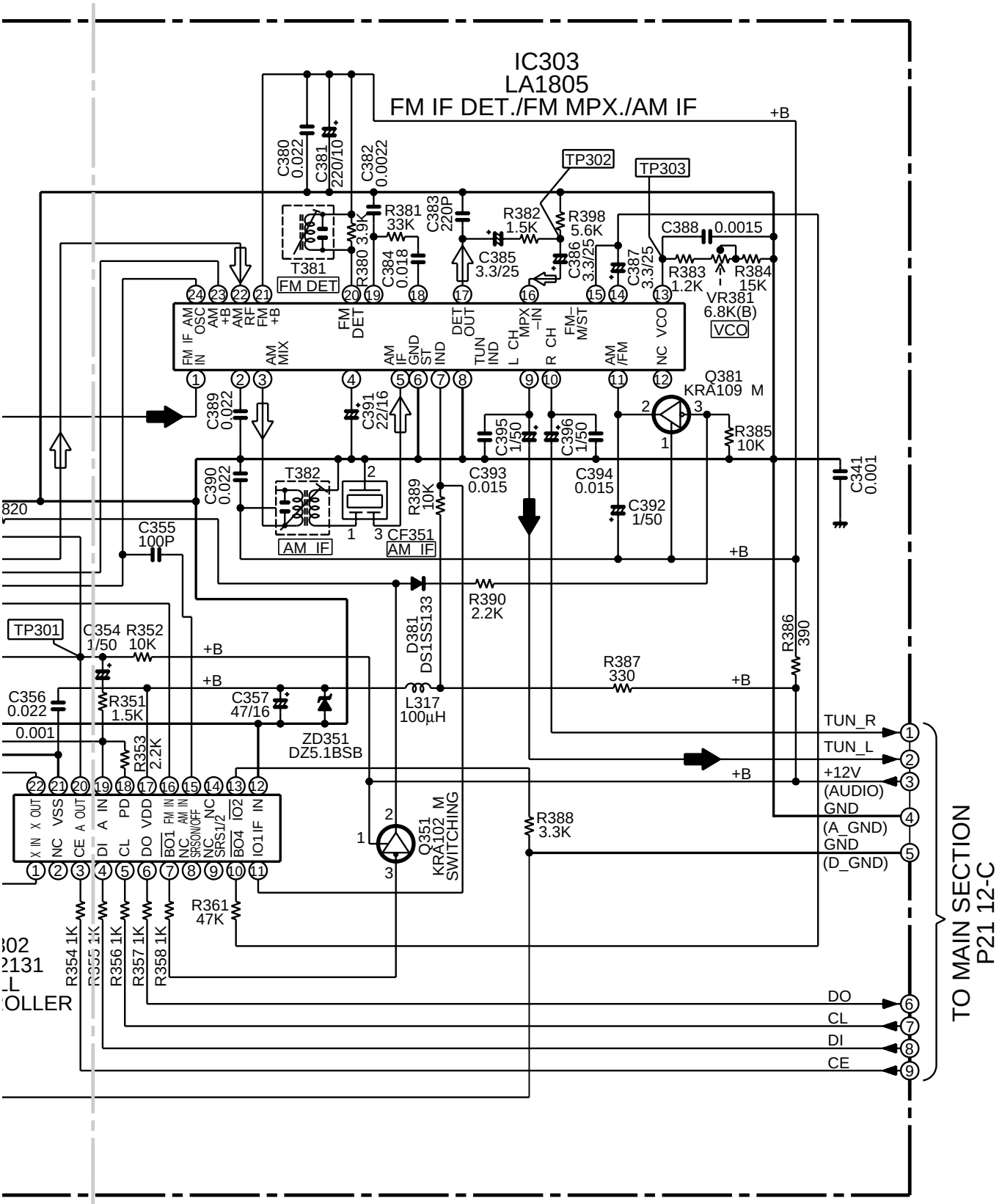


Figure 17 BLOCK DIAGRAM (3/3)



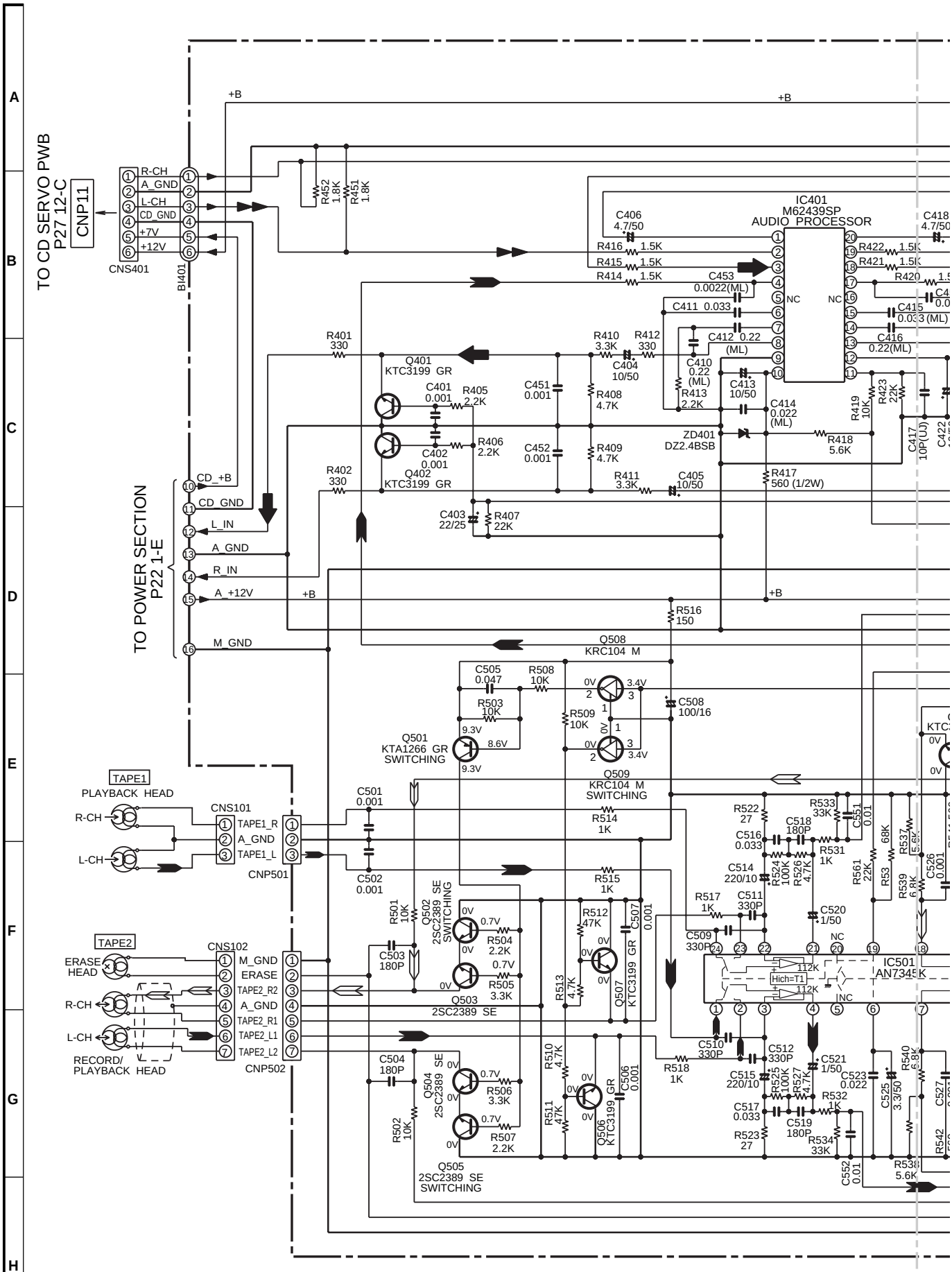
• NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 18 SCHEMATIC DIAGRAM (1/10)



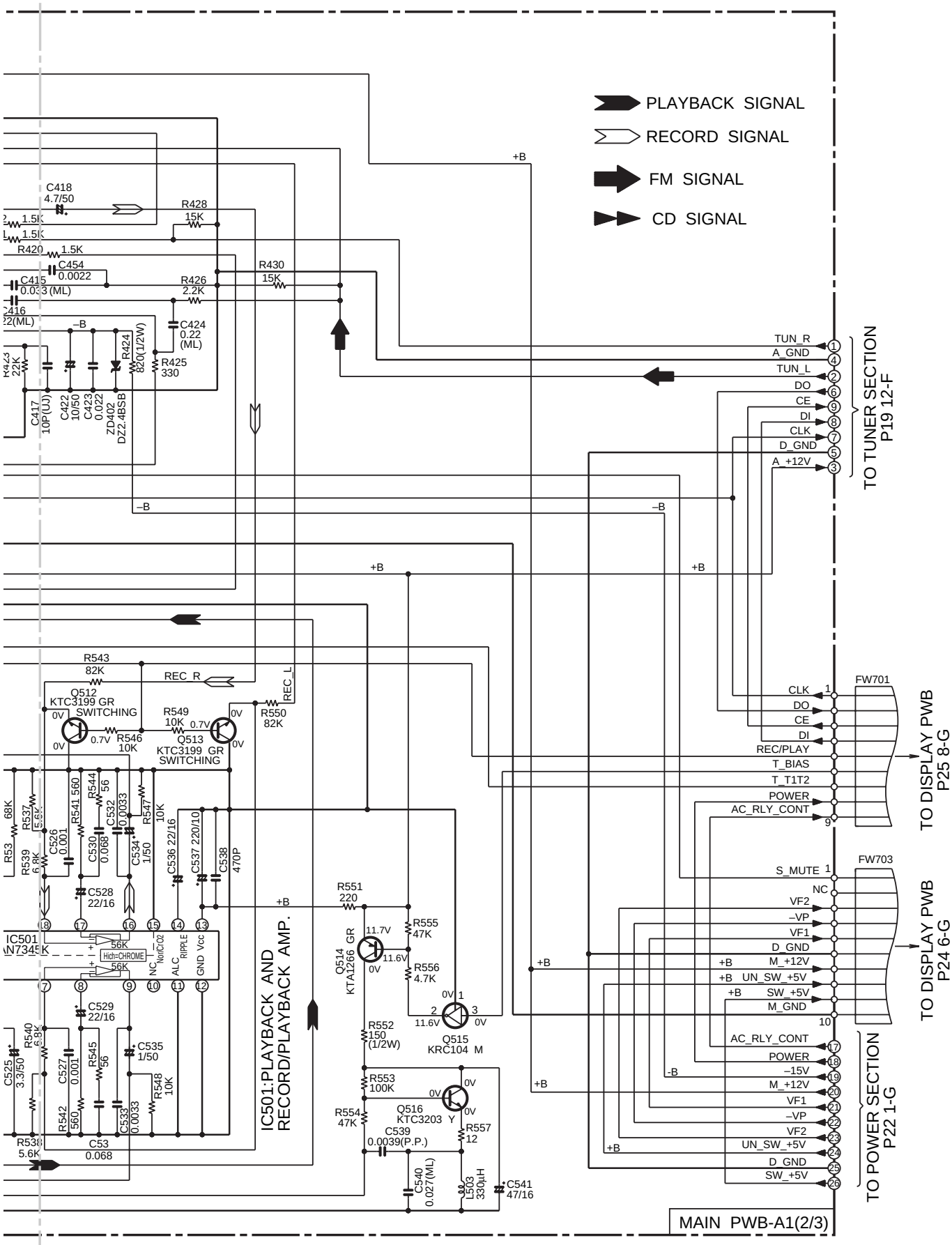
7	8	9	10	11	12

Figure 19 SCHEMATIC DIAGRAM (2/10)



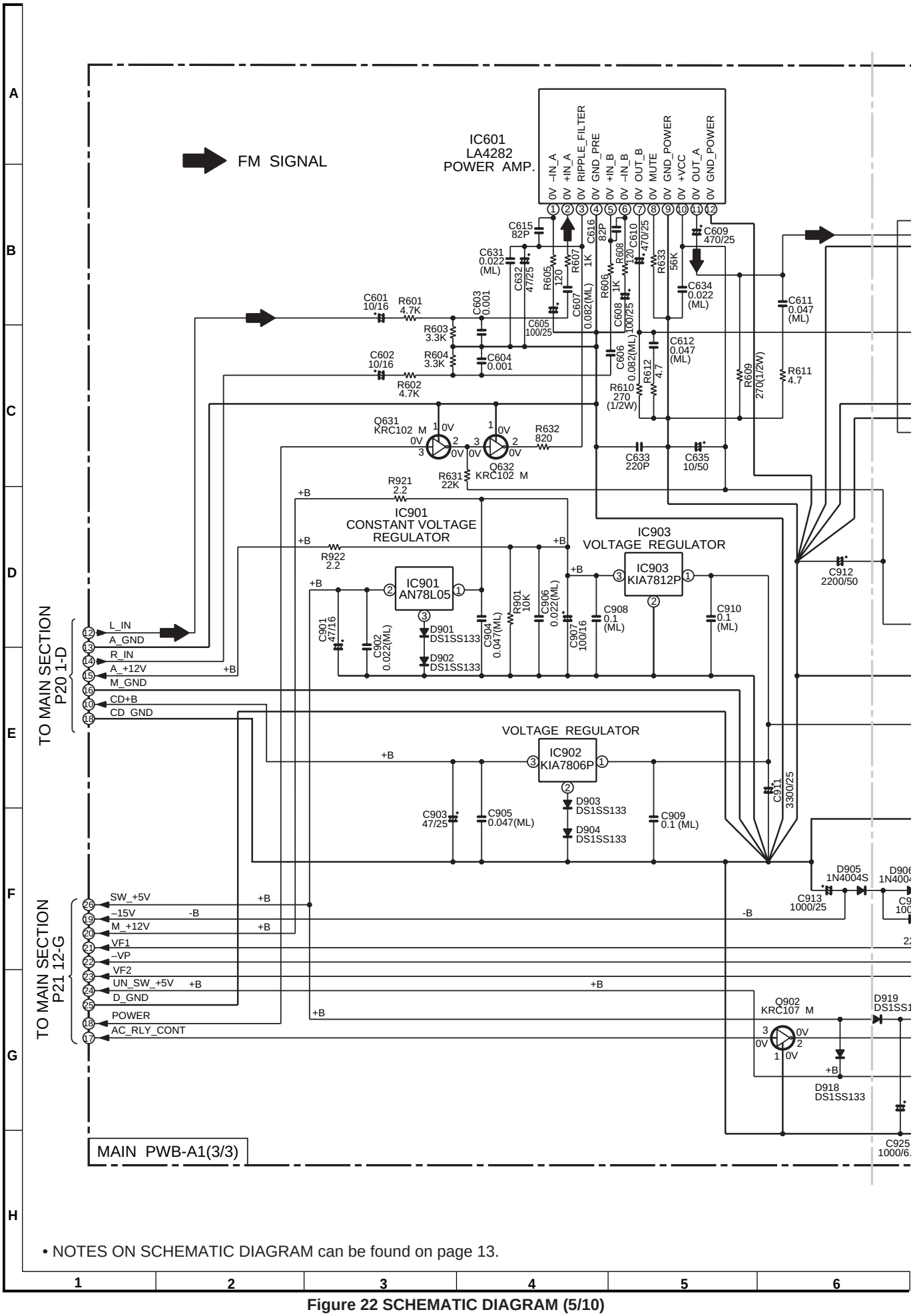
• NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 20 SCHEMATIC DIAGRAM (3/10)



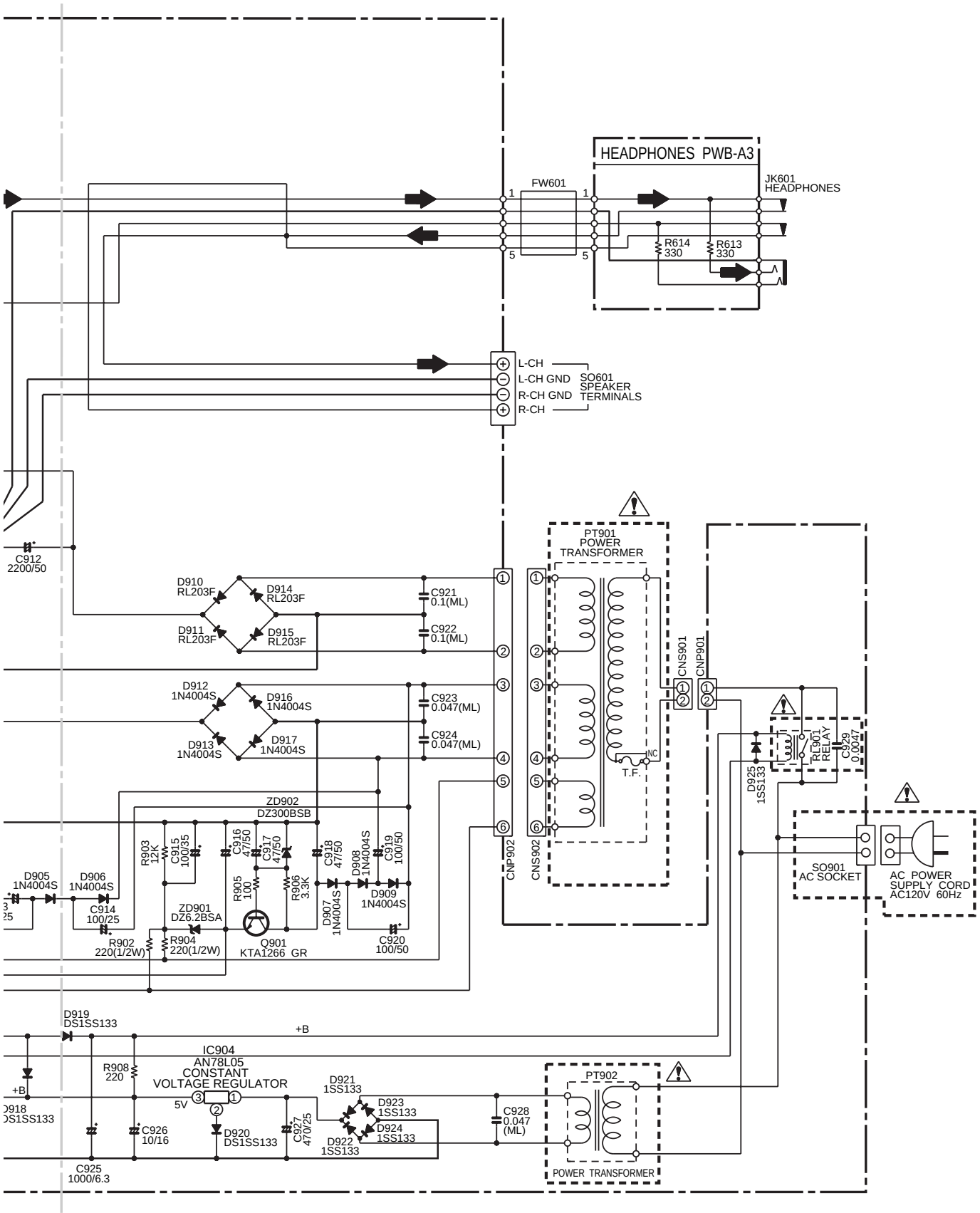
7	8	9	10	11	12

Figure 21 SCHEMATIC DIAGRAM (4/10)



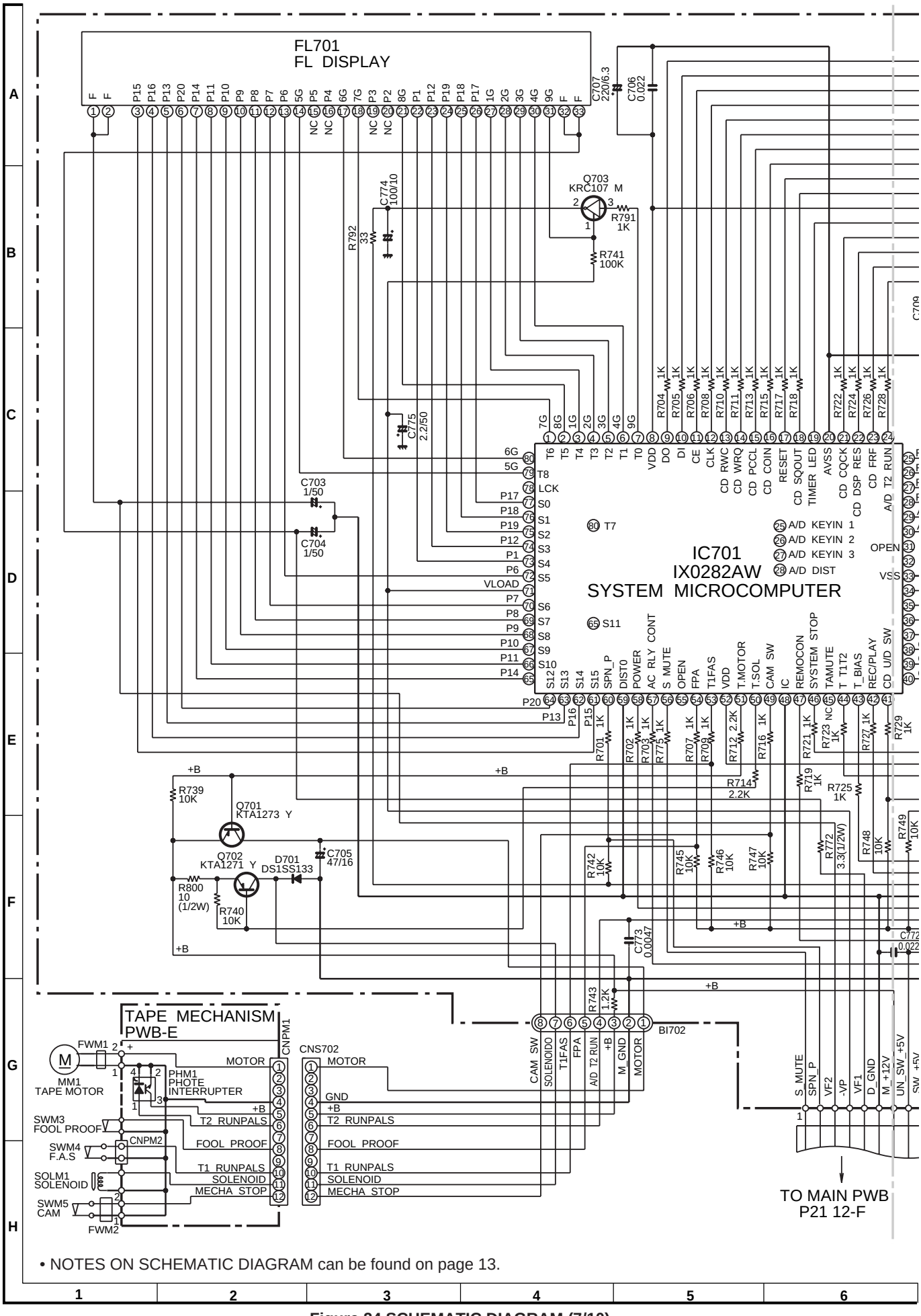
• NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 22 SCHEMATIC DIAGRAM (5/10)



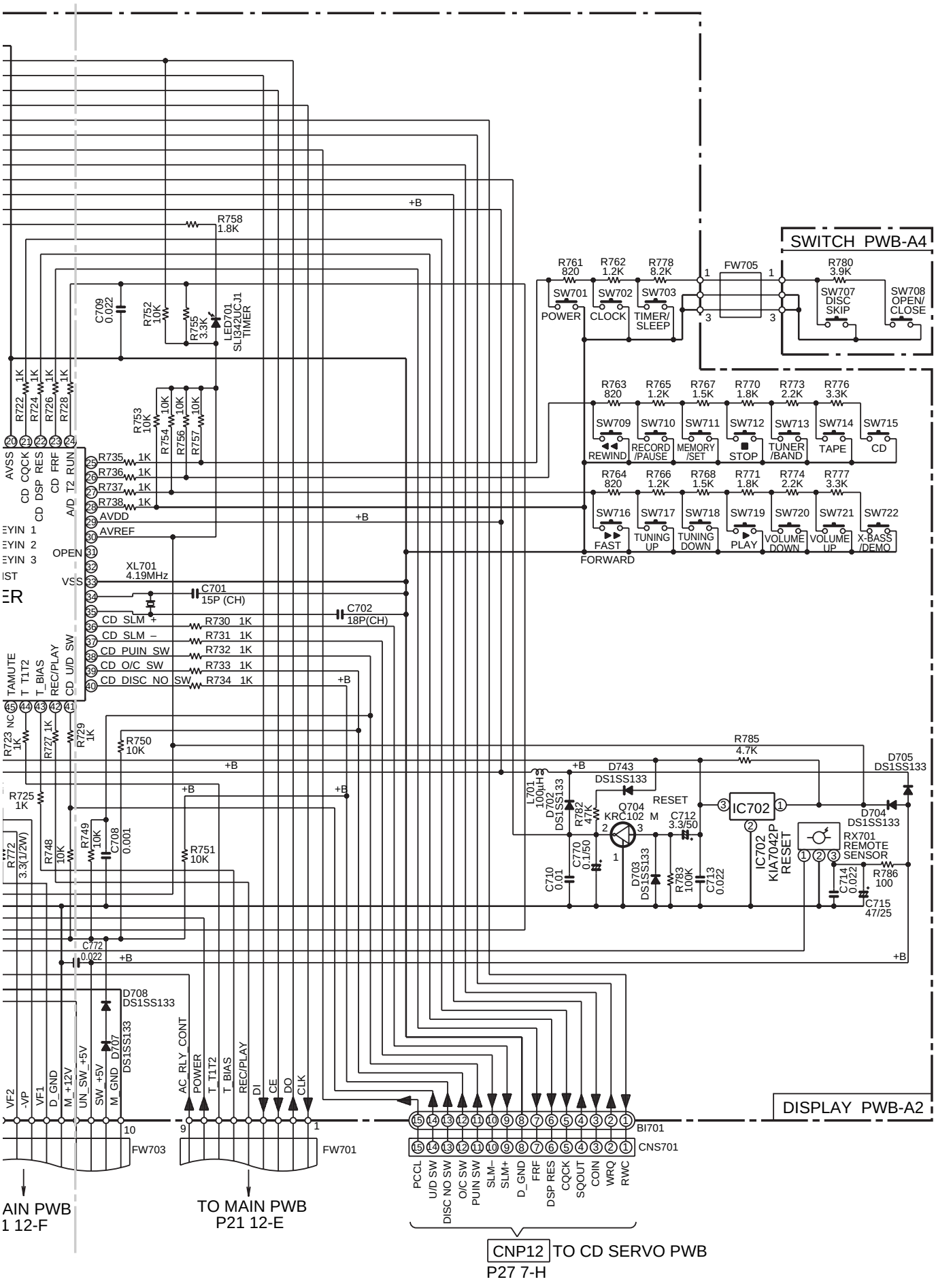
7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (6/10)



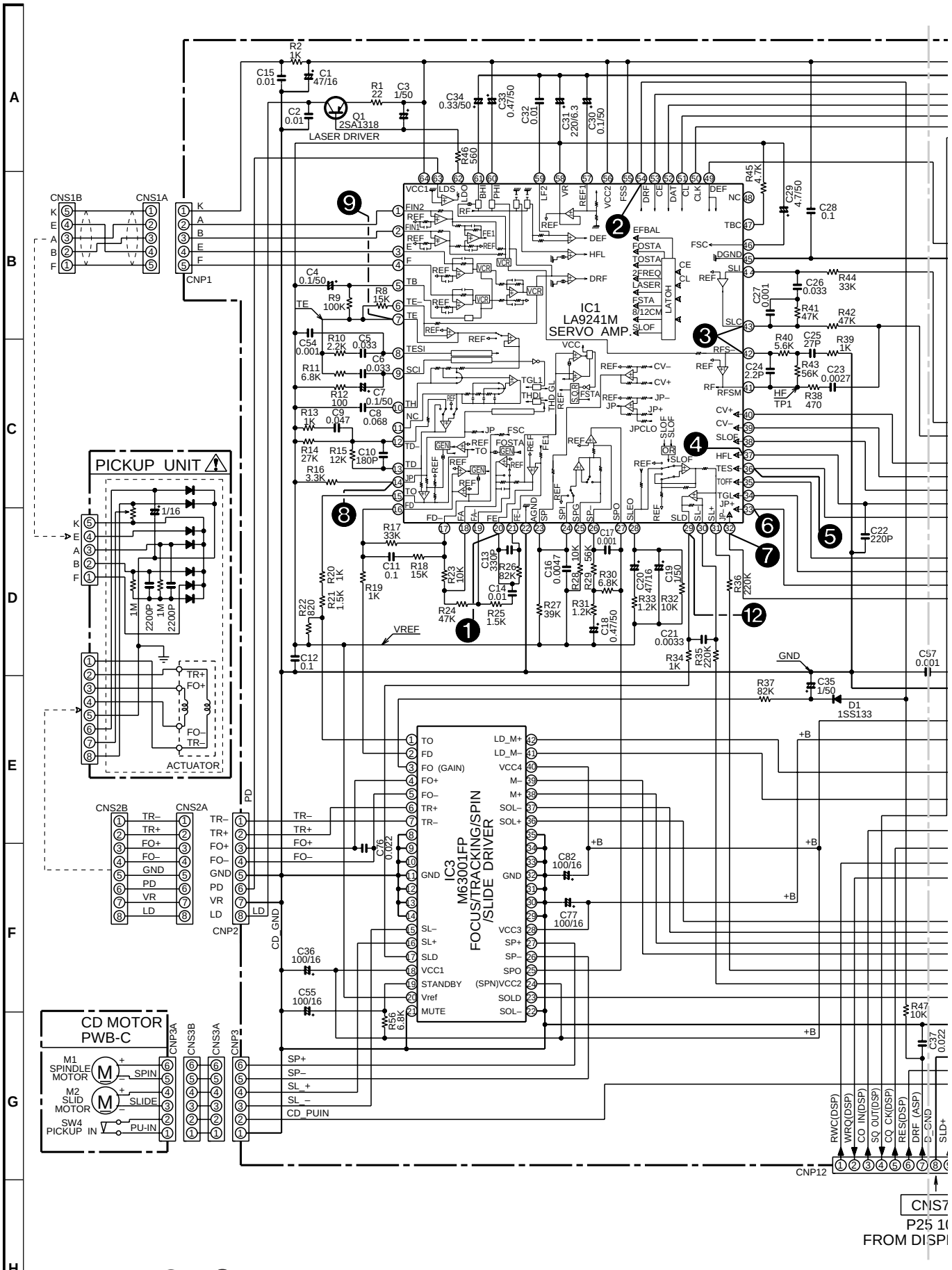
• NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 24 SCHEMATIC DIAGRAM (7/10)



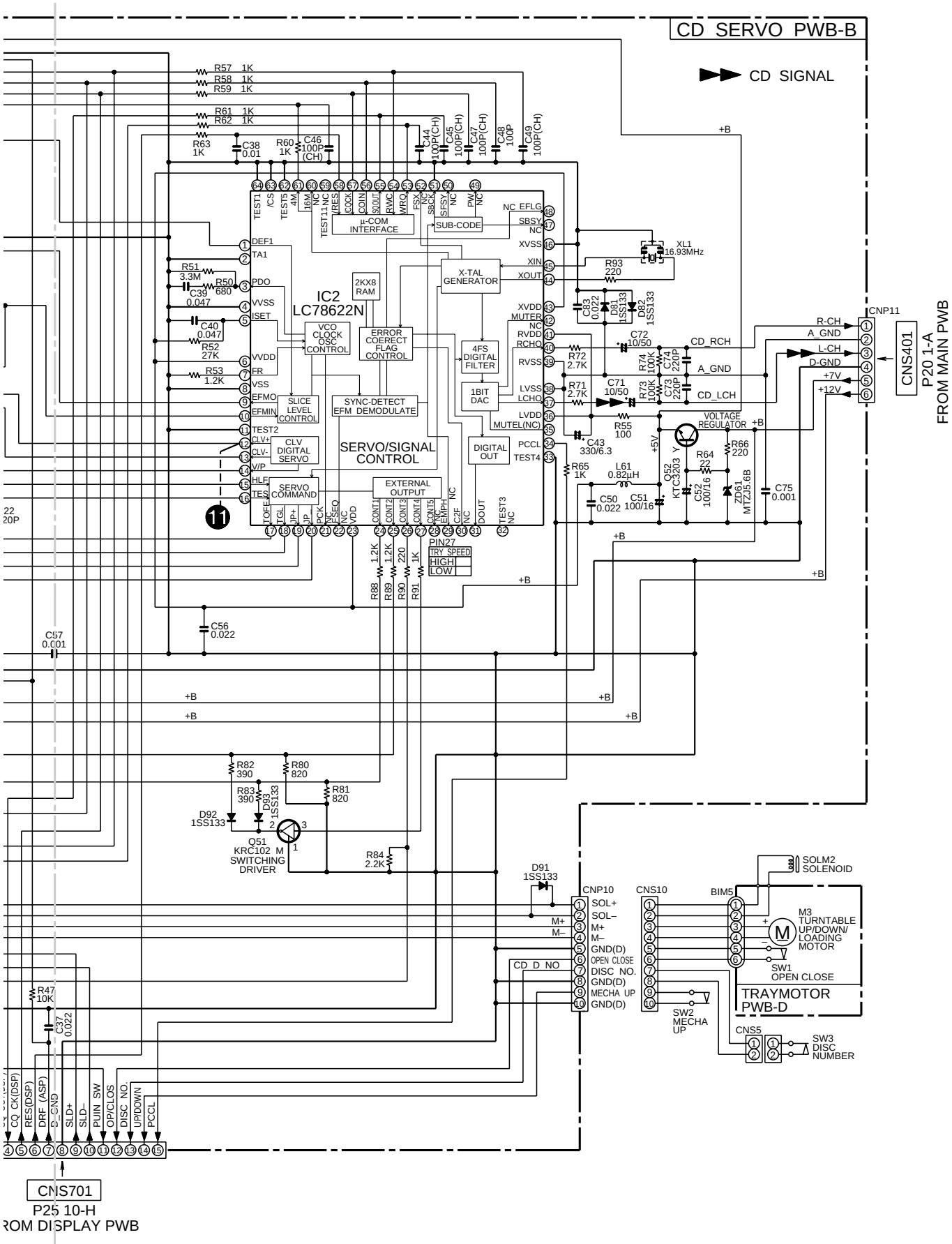
7	8	9	10	11	12

Figure 25 SCHEMATIC DIAGRAM (8/10)



- The numbers ❶ to ⑫ are waveform numbers shown in page 14.
- NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 26 SCHEMATIC DIAGRAM (9/10)



7	8	9	10	11	12

Figure 27 SCHEMATIC DIAGRAM (10/10)

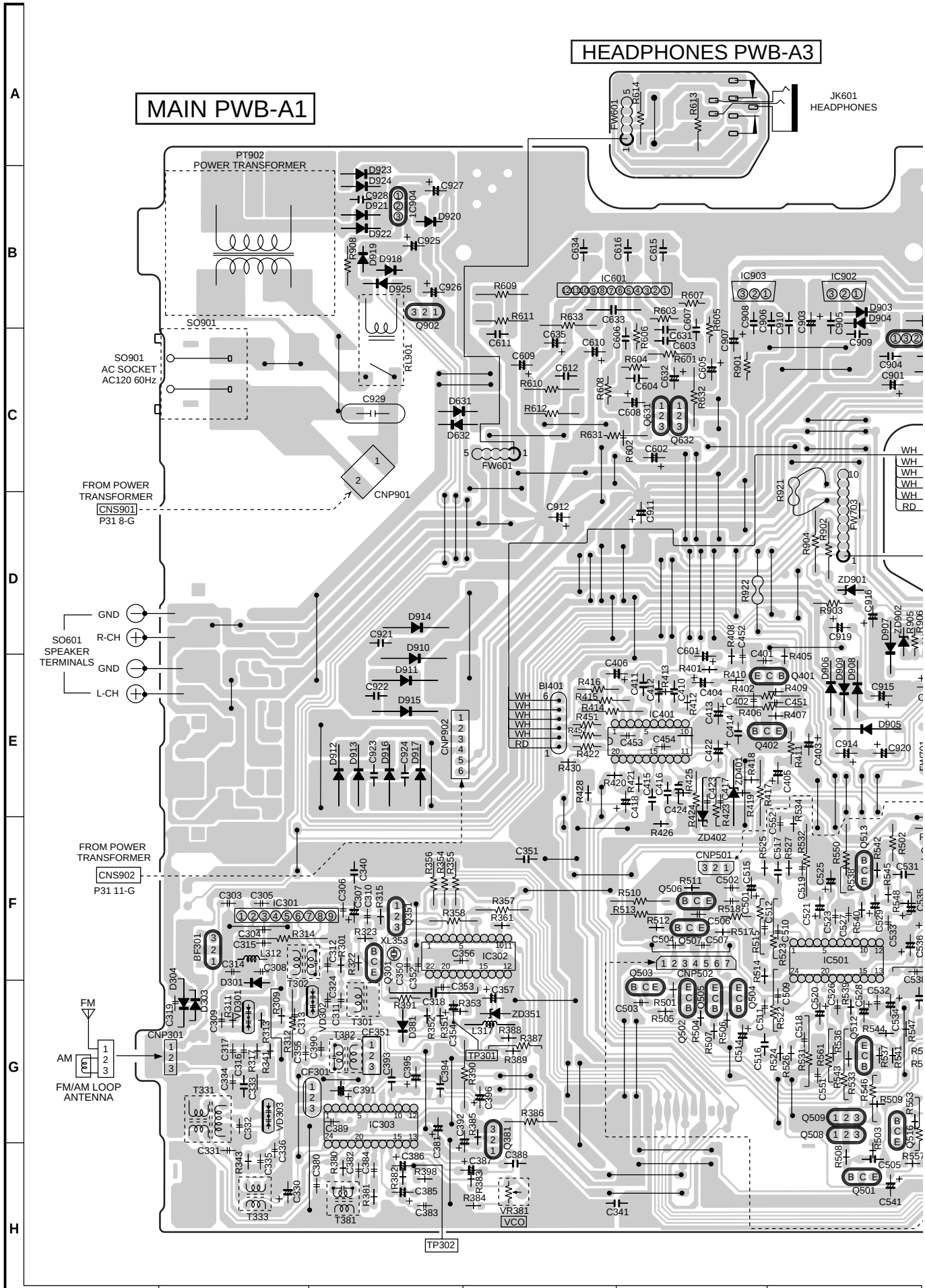
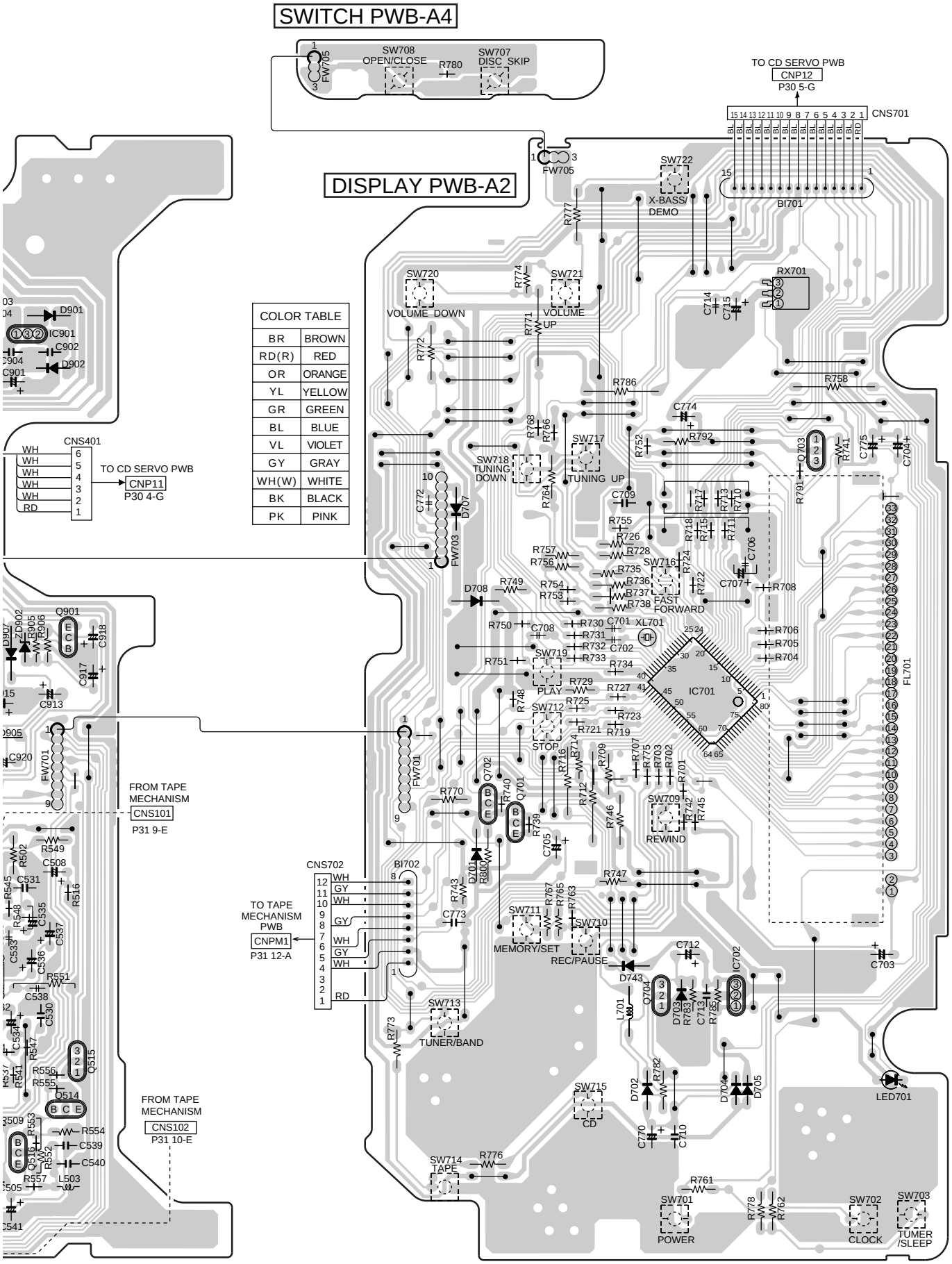
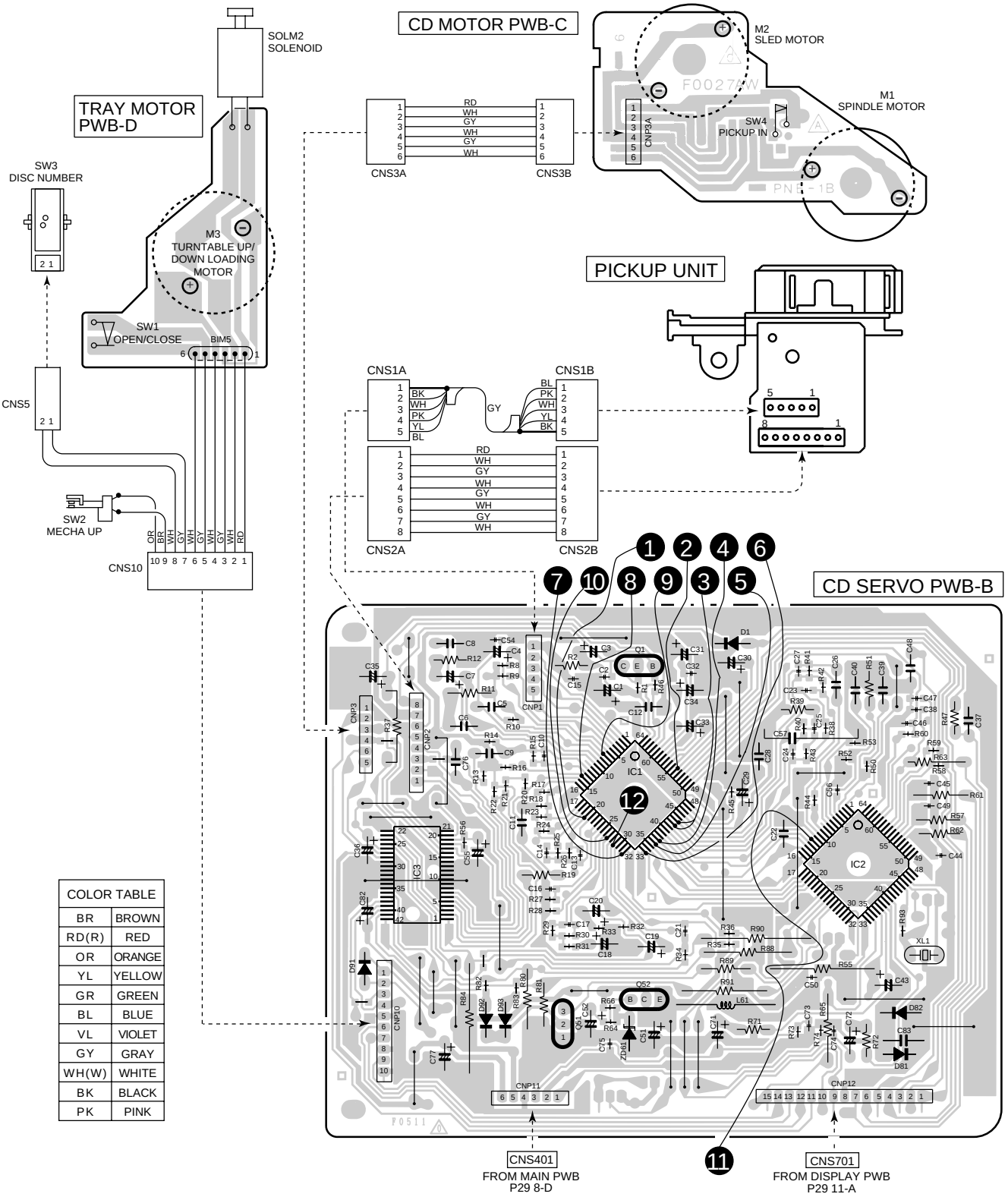


Figure 28 WIRING SIDE OF P.W.BOARD (1/4)



7	8	9	10	11	12

Figure 29 WIRING SIDE OF P.W.BOARD (2/4)

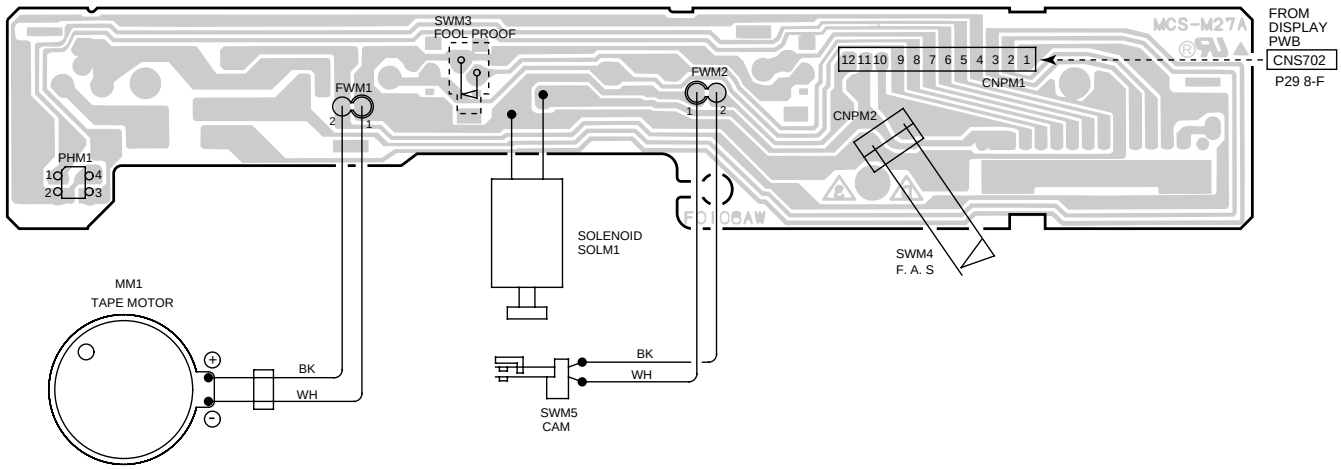


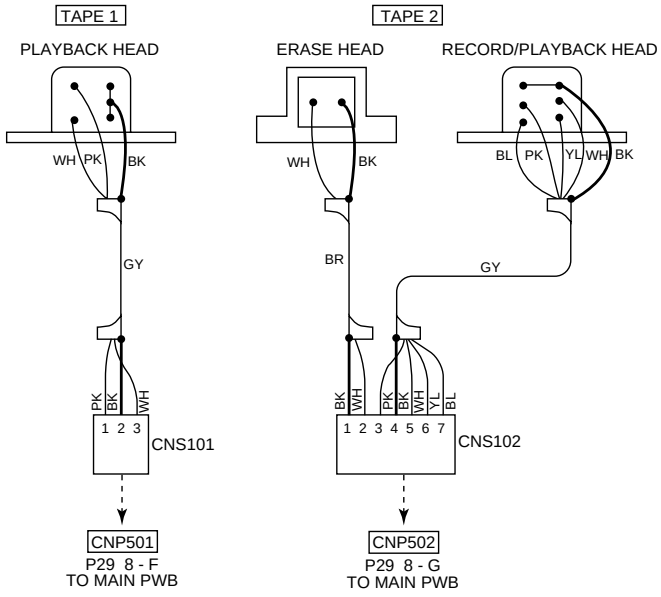
COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

• The numbers ❶ to ⑫ are waveform numbers shown in page 14.

Figure 30 WIRING SIDE OF P.W.BOARD (3/4)

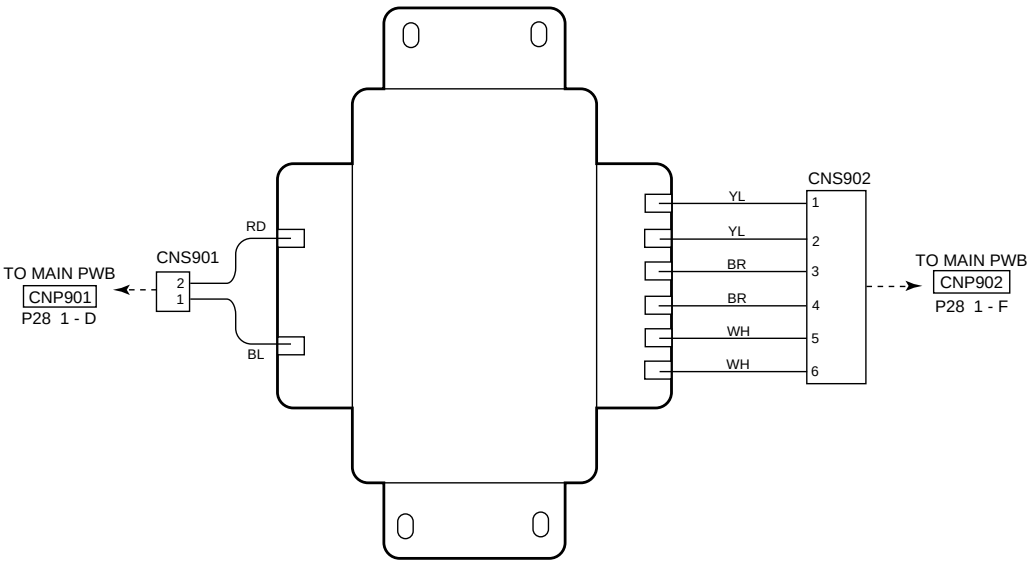
TAPE MECHANISM PWB-E





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



7	8	9	10	11	12

Figure 31 WIRING SIDE OF P.W.BOARD (4/4)

VOLTAGE

IC1	
PIN NO.	VOLTAGE
1	2.5V
2	2.5V
3	2.5V
4	2.5V
5	2.5V
6	2.5V
7	2.5V
8	2.5V
9	2.5V
10	2.5V
11	2.5V
12	2.5V
13	2.5V
14	2.5V
15	2.5V
16	2.5V
17	2.5V
18	2.5V
19	2.5V
20	2.5V
21	2.5V
22	0V
23	2.5V
24	2.5V
25	2.5V
26	2.5V
27	2.5V
28	2.5V
29	2.5V
30	2.3V
31	2.3V
32	0V
33	0V
34	5.0V
35	5.0V
36	0V
37	0V
38	5.0V
39	0V
40	0V
41	1.6V
42	2.4V
43	2.4V
44	2.4V
45	0V
46	2.5V
47	2.5V
48	0V
49	0V
50	2.4V
51	4.6V
52	4.6V
53	0V
54	0V
55	5.0V
56	5.0V
57	2.5V
58	2.5V
59	1.0V
60	1.0V
61	2.2V
62	4.2V
63	0V
64	5.0V

IC2	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	0V
5	1.9V
6	5.0V
7	0V
8	0V
9	2.5V
10	2.4V
11	0V
12	0V
13	0V
14	5.0V
15	0V
16	0V
17	5.0V
18	5.0V
19	0V
20	0V
21	2.5V
22	0V
23	5.0V
24	0V
25	0V
26	0V
27	0V
28	0V
29	0V
30	5.0V
31	2.5V
32	0V
33	0V
34	0V
35	5.0V
36	4.6V
37	1.9V
38	0V
39	0V
40	1.9V
41	4.6V
42	5.0V
43	5.0V
44	2.1V
45	2.1V
46	0V
47	0.1V
48	2.3V
49	0V
50	2.5V
51	0V
52	2.5V
53	0V
54	0V
55	0V
56	4.6V
57	4.6V
58	4.7V
59	0V
60	2.3V
61	2.3V
62	0V
63	0V
64	0V

IC3	
PIN NO.	VOLTAGE
1	2.5V
2	2.6V
3	2.9V
4	3.3V
5	3.3V
6	3.3V
7	3.3V
8	0V
9	0V
10	0V
11	0V
12	0V
13	0V
14	0V
15	3.3V
16	3.3V
17	3.0V
18	7.2V
19	5.0V
20	2.5V
21	0V
22	0V
23	0V
24	7.2V
25	2.5V
26	3.3V
27	3.3V
28	11.2V
29	0V
30	0V
31	0V
32	0V
33	0V
34	0V
35	0V
36	5.3V
37	5.3V
38	3.3V
39	3.3V
40	7.2V
41	0.1V
42	0.1V

IC301	
PIN NO.	VOLTAGE
1	0.9V (0V)
2	1.6V (0V)
3	6.0V (0.4V)
4	1.6V (0V)
5	0V (0V)
6	6.0V (0.3V)
7	5.2V (0.2V)
8	5.9V (0.3V)
9	6.0V (0.3V)

IC302	
PIN NO.	VOLTAGE
1	2.5V (2.5V)
2	0V (0V)
3	0V (0V)
4	0V (0V)
5	4.5V (4.5V)
6	4.5V (4.5V)
7	0.2V (11.9V)
8	0V (0V)
9	0V (0V)
10	0V (0V)
11	5.1V (5.1V)
12	0V (0V)
13	0V (0V)
14	0V (0V)
15	0V (2.5V)
16	2.5V (0V)
17	5.1V (5.1V)
18	0.9V (0.9V)
19	0.9V (0.9V)
20	1.3V (1.1V)
21	0V (0V)
22	2.5V (2.5V)

IC303	
PIN NO.	VOLTAGE
1	1.6V (1.6V)
2	1.6V (1.6V)
3	7.1V (8.1V)
4	0.2V (0.6V)
5	1.6V (1.6V)
6	0V (0V)
7	5.1V (5.1V)
8	0V (0V)
9	2.3V (2.3V)
10	2.3V (2.3V)
11	6.4V (8.1V)
12	0.9V (0.9V)
13	1.1V (2.1V)
14	1.8V (1.6V)
15	2.2V (1.3V)
16	1.7V (1.7V)
17	1.6V (1.7V)
18	1.6V (1.6V)
19	0.4V (0.5V)
20	7.1V (8.1V)
21	7.1V (8.1V)
22	1.7V (1.7V)
23	1.7V (1.7V)
24	1.7V (1.7V)

IC401	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	0V
5	0V
6	0V
7	0V
8	0V
9	0V
10	2.7V
11	0.2V
12	–2.7V
13	0V
14	0V
15	0V
16	0V
17	0V
18	0V
19	0V
20	0V

IC501	
PIN NO.	VOLTAGE
1	0V (0V)
2	0V (0V)
3	0.5V (0.5V)
4	4.3V (4.3V)
5	0.2V (0.3V)
6	1.3V (1.3V)
7	0V (0V)
8	0.6V (0.6V)
9	4.1V (4.1V)
10	4.0V (4.0V)
11	0V (0V)
12	0V (0V)
13	8.1V (8.1V)
14	4.8V (4.8V)
15	0V (0V)
16	4.1V (4.1V)
17	0.6V (0.6V)
18	0V (0V)
19	2.5V (2.6V)
20	0.2V (0.3V)
21	4.3V (4.3V)
22	0.5V (0.5V)
23	0V (0V)
24	0V (0V)

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.

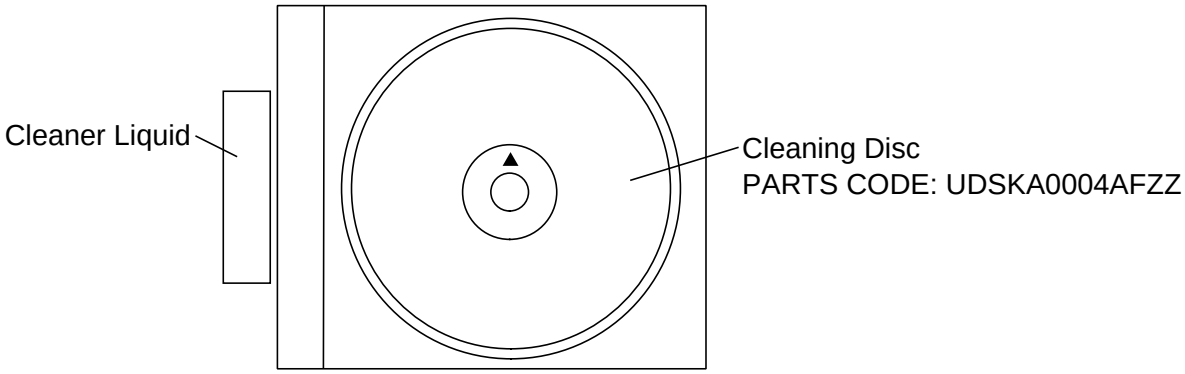
Dust gradually accumulates on the objective lens during use, and it may degrade performance. To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

HOW TO USE

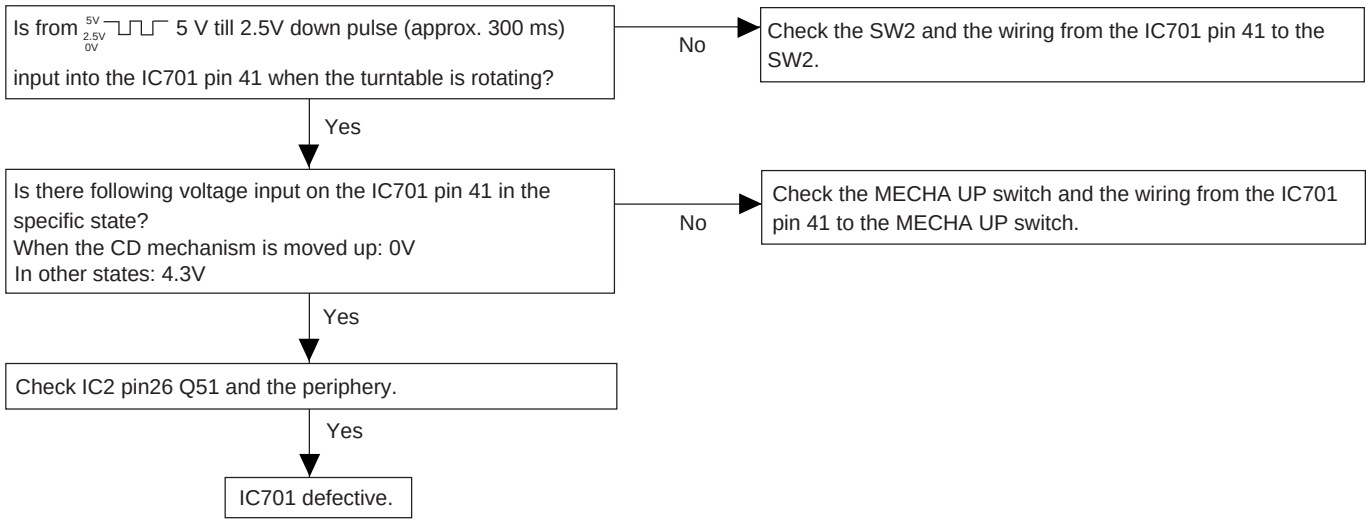
1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the ▲ mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and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

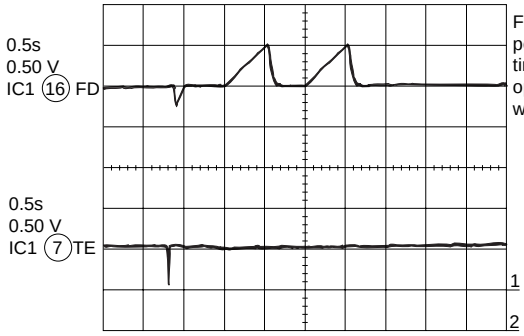
Does the pick-up move up and down twice? → Yes → Focus search OK

No

Does the output waveform of IC1(16)(FD) match that shown in Fig. 35-1? → 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 35-1

• 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.

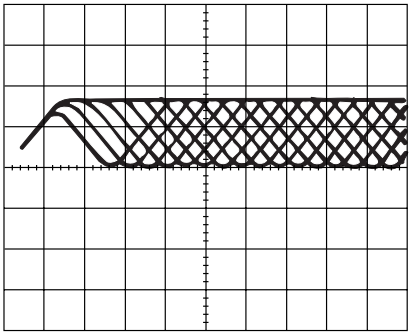
Yes

Is HF waveform normal (see the Fig. 35-2, Fig. 35-3)? → No → Level is abnormal. → Yes → Check the periphery of IC1 pins 41 and 42.

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

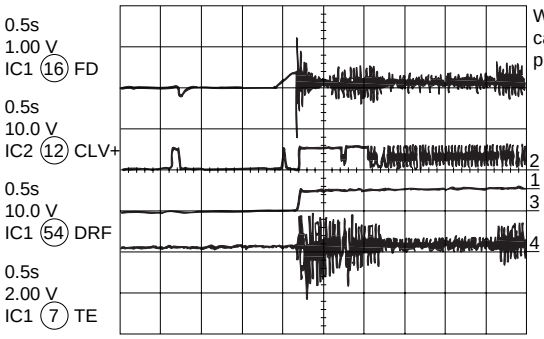
Yes

Check the tracking system.



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

Figure 35-2



Waveform in case of normal playback

Figure 35-3

• Check the tracking system.

Check waveform of IC1 pin 7 (TE).

- The waveform shown in Fig. 36-1 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 → Although IL is possible, play is impossible. → 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.

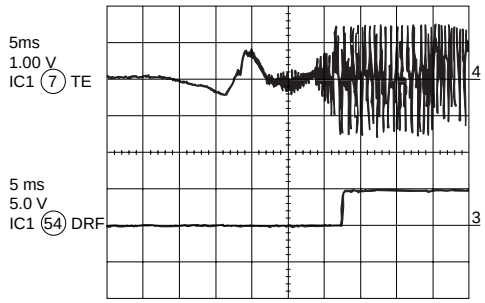


Figure 36-1

• 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. 36-2).

↓ Abnormal

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

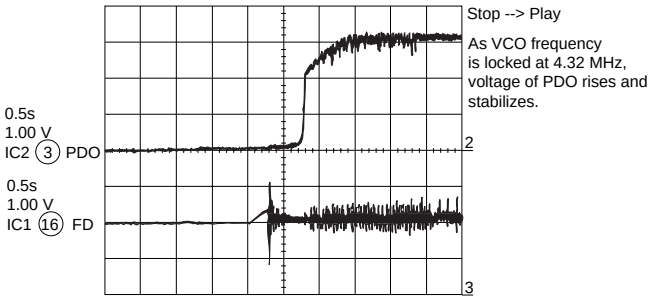


Figure 36-2

• 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.

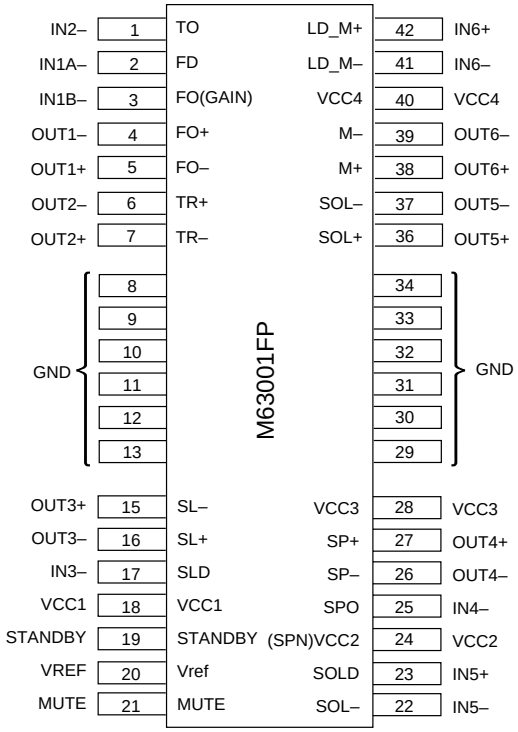
In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

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)

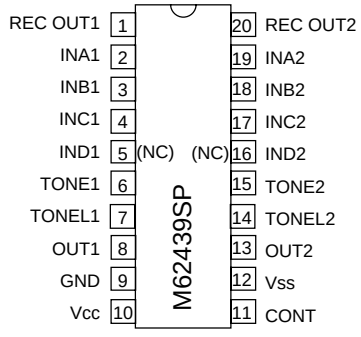


Figure 38 BLOCK DIAGRAM OF IC

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-iX0282AWZZ: System Microcomputer (IX0282AW) (1/2)

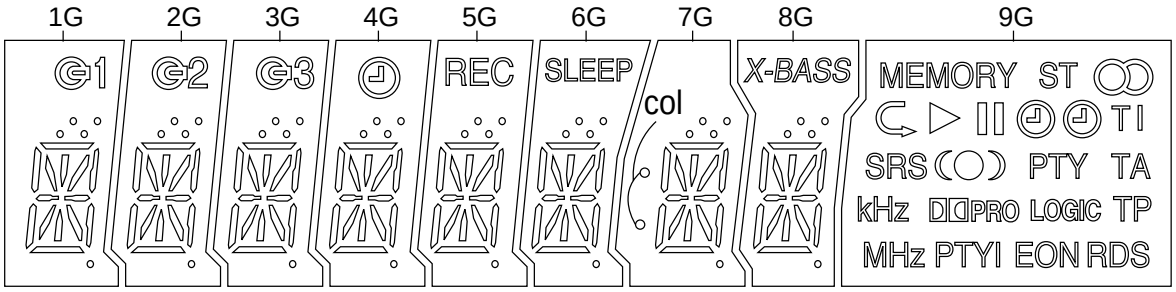
Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P94/FIP6	7G	Output	FL Display segment driver
2	P93/FIP5	8G	Output	FL Display segment driver
3	P92/FIP4	1G	Output	FL Display segment driver
4	P91/FIP3	2G	Output	FL Display segment driver
5	P90/FIP2	3G	Output	FL Display segment driver
6	P81/FIP1	4G	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	$\overline{RESET}$	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

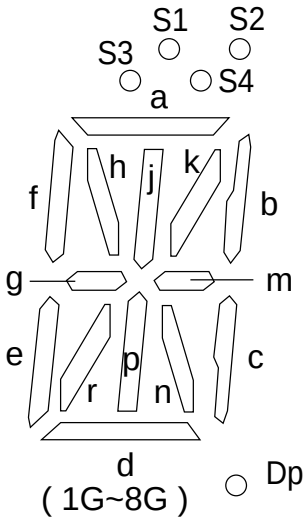
IC701 RH-iX0282AWZZ: System Microcomputer (IX0282AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
31*	P04/XT1	OPEN	—	Open
32*	XT2		—	Open
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	OPEN	Output	No use
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	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	LCK	Output	FL Display segment driver
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	⏸
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	DOLBY 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 42 FL SEGMENT

SHARP PARTS GUIDE

MODEL CD-C606 CD-C1900 CP-C606 CP-C1900

CD-C606 mini component system consisting of
CD-C606 mini component system and
CP-C606 speaker system

CD-C1900 mini component system consisting of
CD-C1900 mini component system and
CP-C1900 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.

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

CD-C606/1900

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
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL Controller,LC72131
IC303	VHILA1805//-1	J	AM	FM IF DET./FM MPX./AM IF, LA1805
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	RH-IX0282AWZZ	J	AP	System Microcomputer, IX0282AW
IC702	VHIKIA7042P-1	J	AG	Reset,KIA7042P
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	VSKTC3194Y/-1	J	AD	Silicon,NPN,KTC3194 Y
Q351	VSKRA102M//-1	J	AC	Digital,PNP,KRA102 M
Q381	VSKRA109M//-1	J	AC	Digital,PNP,KRA109 M
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	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D303,304	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D381	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D701~705	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D707,708	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D743	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
D921~925	VHD1SS133//-1	J	AA	Silicon,1SS133
LED701	VHPSLI342UCJ1	J	AC	LED,Red,SLI342UCJ1
VD301,302	VHCSVC211C/-1	J	AG	Variable,Capacitance,SVC211C
VD303	VHDSVC348S/-1	J		Silicon,SVC348S
ZD61	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
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

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF301	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	92LFILTA1768A	J	AE	AM IF

TRANSFORMERS

⚠	PT901	RTRNP0253AWZZ	J	BA	Power
⚠	PT902	RTRNP0239AWZZ	J	AP	Power
	T301	RCILB0060AWZZ	J	AC	FM Oscillation
	T302	RCILI0012AWZZ	J	AD	FM IF
	T331	RCILA0052AWZZ	J	AE	AM Antenna
	T333	RCILB0058AWZZ	J	AC	AM Oscillation
	T381	RCILI0016AFZZ	J		FM Detection
	T382	RCILI0015AWZZ	J	AE	AM IF

COILS

L61	VP-XHR82K0000	J	AC	0.82 µH,Choke
L312	RCILR0029AWZZ	J	AA	FM RF
L317	VP-DH101K0000	J	AB	100 µH,Choke
L503	VP-MK331K0000	J	AB	330 µH,Choke
L701	VP-DH101K0000	J	AB	100 µH,Choke

VARIABLE RESISTOR

VR381	RVR-M0025AWZZ	J	AC	6.8 kohms (B),Semi-VR [VCO]

VIBRATORS

XL1	92LCRSTL1746AT	J	AH	Crystal,16.93 MHz
XL353	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
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

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
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
C303	VCCSMN1HL100J	J	AA	10 pF,50V
C304	VCTYMN1CY103N	J	AA	0.01 µF,16V
C305	VCCSMN1HL4R7C	J	AA	4.7 pF,50V
C306	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C307	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C308	VCCUMN1HJ4R7D	J	AA	4.7 pF (UJ),50V
C309	VCKYMN1HB102K	J	AA	0.001 µF,50V
C310	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C311	VCCSMN1HL180J	J	AA	18 pF,50V
C312	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C313	VCCCMN1HH220J	J	AA	22 pF (CH),50V
C314,315	VCTYMN1CX472K	J	AA	0.0047 µF,16V
C316	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C317	VCKYMN1HB102K	J	AA	0.001 µF,50V
C318	VCKYBT1HB101K	J	AA	100 pF,50V
C319	VCKYMN1HB102K	J	AA	0.001 µF,50V
C324	VCCUMN1HJ3R9K	J	AA	3.9 pF (UJ),50V
C330	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C331	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C332	VCCUMN1HJ180J	J	AA	18 pF (UJ),50V
C333	VCKYPA1HF473Z	J	AB	0.047 µF,50V
C334	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C335	VCCUMN1HJ180J	J	AA	18 pF (UJ),50V
C336	VCKYMN1HB561K	J	AA	560 pF,50V
C340	VCKYPA1HB102K	J	AA	0.001 µF,50V
C341	VCKYPA1HB102K	J	AA	0.001 µF,50V
C350	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C351	VCKYPA1HB102K	J	AA	0.001 µF,50V
C352	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C353	VCKYMN1HB102K	J	AA	0.001 µF,50V
C354	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C355	VCKYMN1HB101K	J	AA	100 pF,50V
C356	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C357	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C380	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C381	VCEAZA1AW227M	J	AC	220 µF,10V,Electrolytic
C382	VCTYMN1CX222K	J	AA	0.0022 µF,16V
C383	VCKYMN1HB221K	J	AA	220 pF,50V
C384	VCTYMN0JY183M	J	AA	0.018 µF,6.3V
C385~387	VCEAZA1EW335M	J	AB	3.3 µF,25V,Electrolytic
C388	CPU100V1500PJ	J	AC	0.0015 µF,100V, Polypropylene
C389,390	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C391	VCEAEA1CW226M	J	AB	22 µF,16V,Electrolytic
C392	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C393,394	VCTYPA1CX153K	J	AA	0.015 µF,16V
C395,396	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
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	VCQYKA1HM224K	J	AB	0.22 µF,50V,Mylar
C411	VCQYKA1HM333K	J	AB	0.033 µF,50V,Mylar
C412	VCQYKA1HM224K	J	AB	0.22 µF,50V,Mylar
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	VCQYKA1HM224K	J	AB	0.22 µF,50V,Mylar
C417	VCCUMN1HJ100J	J	AA	10 pF (UJ),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	VCQYKA1HM224K	J	AB	0.22 µF,50V,Mylar
C451,452	VCKYMN1HB102K	J	AA	0.001 µF,50V
C453,454	VCTYMN1CX222K	J	AA	0.0022 µF,16V
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	VCEAZA1AW227M	J	AC	220 µF,10V,Electrolytic
C516,517	VCTYPA1EX333K	J	AA	0.033 µF,25V
C518,519	VCKYMN1HB181K	J	AA	180 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	VCKYMN1HB471K	J	AA	470 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	VCTYMN1CY103N	J	AA	0.01 µF,16V
C601,602	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C603,604	VCKYPA1HB102K	J	AA	0.001 µF,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
C611,612	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C615,616	VCKYMN1HB820K	J	AA	82 pF,50V
C631	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C632	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C633	VCKYBT1HB221K	J	AA	220 pF,50V
C634	VCQYKA1HM223K	J	AB	0.022 µF,50V,Mylar
C635	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
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
C708	VCKYMN1HB102K	J	AA	0.001 µF,50V
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

RESISTORS

	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

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
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-TV2AB682J	J	AA	6.8 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-MN2BD100J	J	AA	10 ohm,1/8W
R309	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R311	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R312	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R313	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R314	VRD-ST2CD220J	J	AA	22 ohms,1/6W
R315	VRD-MN2BD821J	J	AA	820 ohms,1/8W
R317	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R322	VRD-MN2BD681J	J	AA	680 ohms,1/8W
R323	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R341	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R343	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R351	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R352	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R353	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R354~358	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R361	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R380	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R381	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R382	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R383	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R384	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R385	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R386	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R387	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R388	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R389	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R390	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R391	VRD-ST2CD470J	J	AA	47 ohms,1/6W
R398	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
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-ST2CD223J	J	AA	22 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-MN2BD153J	J	AA	15 kohms,1/8W
R430	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R451,452	VRD-ST2CD182J	J	AA	1.8 kohms,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-ST2CD270J	J	AA	27 ohms,1/6W
R524,525	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R526,527	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R531,532	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R533,534	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R536	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R537,538	VRD-MN2BD562J	J	AA	5.6 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
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-ST2CD472J	J	AA	4.7 kohms,1/6W
R602	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R603,604	VRD-ST2CD332J	J	AA	3.3 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
R701~703	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

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R717~719	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R721~725	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
R730~734	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R735~738	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R739,740	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
R750~754	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
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
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
R921,922	VRD-ST2EE2R2J	J	AA	2.2 ohms,1/4W

OTHER CIRCUITRY PARTS

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-3P5268	J	AC	Plug,3Pin
CNP501	92LCONE-3P5267	J	AB	Plug,3Pin
CNP502	92LCONE-7P5267	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
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 Cable,2Pin
FWM2	QCNWN0338AWZZ	J	AD	Flat Cable,2Pin

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
JK601	QJAKM0004AWZZ	J	AK	Jack,Headphones
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	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
SO601	QTANA0412AWZZ	J	AF	Terminal,Speaker
⚠SO901	QSOCA0209AWZZ	J	AH	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 [Power]
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 [Disc Skip]
SW708	92LSWICH-1401A	J	AC	Switch,Key Type [Open/Close]
SW709	92LSWICH-1401A	J	AC	Switch,Key Type [Rewind]
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 [Fast Forward]
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	92LM-SW1676A	J	AC	Switch,Leaf Type [Fool Proof]
SWM4	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
SWM5	92LM-SW1658A	J	AB	Switch,Leaf Type [CAM]

CD MECHANISM PARTS

301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive
303	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	92LCAB3041AS1	J	BA	Front Panel Ass'y [CD-C606]
201	92LCAB3042AS1	J	AZ	Front Panel Ass'y [CD-C1900]
201- 1	————		—	Front Panel (Not Replacement Item)
201- 2	HDECQ0459AWSA	J	AH	Panel,Display [CD-C606]
201- 2	HDECQ0468AWSA	J	AH	Panel,Display [CD-C1900]
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	JKNBZ0606AWSA	J	AE	Button,Power
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

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
202	92LCAB3041BS1	J	AM	Side Panel Ass'y,Left
202- 1	GITAS0062AWSA	J	AK	Side Panel,Left
202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
203	92LCAB3041CS1	J	AM	Side Panel Ass'y,Right
203- 1	GITAS0063AWSA	J	AK	Side Panel,Right
203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
204	92LCOV3022AS1	J	AM	CD Tray Cover Ass'y
204- 1	GCOVA1223AWSA	J	AG	Cover,CD Tray
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	GITAR0442AWSA	J	AH	Back Board [CD-C606 for U.S.A./Central America]
205	GITAR0444AWSA	J	AH	Back Board [CD-C606 for Canada]
205	GITAR0456AWSA	J		Back Board [CD-C1900 for U.S.A./Central America]
205	GITAR0457AWSA	J		Back Board [CD-C1900 for Canada]
205	GITAR0458AWSA	J		Back Board [CD-C1900 for Mexico]
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	LANGT0049AWFW	J	AK	Bracket,Heat Sink
212	LCHSM0086AWSA	J	AM	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,Main
219	92LRDAT-1468B	J	AE	Heat Sink,Sub
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]
221	92LLABL372C	J	AB	Label,Serial No. [For Canada Only]
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
250	TLABN0086AWZZ	J	AB	Label,Production SER.No. [U.S.A./Central America Only]
⚠ 251	QLUGP0001AWZZ	J	AC	Lug
252	PCUSG0022AWZZ	J	AB	Cushion
253	LHLDZ1230AWZZ	J	AC	Holder,LED
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

PACKING PARTS (For Canada/Central America)

	SPAKA0212AWZZ	J	AL	Packing Add.,Left/Right
	SPAKC0746AWZZ	J		Packing Case [CD-C606 for Central America]
	SPAKC0749AWZZ	J		Packing Case [CD-C606 for Canada]
	SPAKC0751AWZZ	J	AR	Packing Case [CD-C1900 for Central America]
	SPAKC0752AWZZ	J	AR	Packing Case [CD-C1900 for Canada]
	SPAKP0013AWZZ1	J	AC	Polyethylene Bag,Unit
	TLABR1027AWZZ	J	AB	Label,Bar Code [CD-C1900 for Central America Only]
	TLABR1028AWZZ	J	AB	Label,Bar Code [CD-C606 for Central America Only]
	92LBAG1460C1	J	AB	Polyethylene Bag,Accessories

ACCESSORIES

⚠	QACCD0015AW00	J	AM	AC Power Supply Cord [For Canada]
⚠	QACCD0020AWZZ	J	AN	AC Power Supply Cord [For U.S.A./Central America]
	QANTL0007AWZZ	J	AK	AM/FM Loop Antenna
	TINSE0243AWZZ	J	AE	Operation Manual [CD-C606 for U.S.A.]
	TINSE0244AWZZ	J	AE	Operation Manual [CD-C1900 for U.S.A.]
	TINSK0083AWZZ	J	AH	Operation Manual [CD-C606 for Canada]
	TINSK0084AWZZ	J	AE	Operation Manual [CD-C1900 for Canada]
	TINSZ0409AWZZ	J	AB	Quick Guide [CD-C606 for U.S.A./Central America Only]
	TINSZ0410AWZZ	J	AE	Operation Manual [CD-C1900 for Mexico]
	TINSZ0411AWZZ	J	AB	Quick Guide [CD-C1900 for U.S.A./Central America Only]
	TLABZ0527AWZZ	J	AB	Label,Feature,Unit,Tape 1
	TLABZ0528AWZZ	J	AB	Label,Feature,Unit,Tape 2
	RRMCG0179AWSA	J	AS	Remote Control
	GFTAB1022AWSA	J		Battery Lid,Remote Control

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

PWB-A1~4	92LPWB3041MANS	J	—	Main/Display/Headphones/ Switch (Combined Ass'y) [CD-C606]
PWB-A1~4	92LPWB3042MANS	J	—	Main/Display/Headphones/ Switch (Combined Ass'y) [CD-C1900]
PWB-B	92LPWB3041CDUS	J	—	CD Servo [CD-C606]
PWB-B	92LPWB3042CDUS	J	—	CD Servo [CD-C1900]
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)

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

OTHER SERVICE PARTS

	UDSKA0004AFZZ	J	AZ	CD Pickup Lens Cleaner Disc

CP-C606/1900

SPEAKER BOX PARTS

701	92LJ1911A	J	AZ	Net Frame Ass'y [For CP-C606]
701	92LJ1916A	J	AU	Net Frame Ass'y [For CP-C1900]
702	92L8530C	J		Speaker Box Ass'y [For CP-C606]
702	92L8537C	J		Speaker Box Ass'y [For CP-C1900]
703	92LD4680A	J		Cord,Speaker
704	92LF1377A	J	AC	Screw,ø3.5×13mm
705	92LP5870	J	AC	Label,Specifications [For CP-C606]
705	92LP5871	J	AB	Label,Specifications [For CP-C1900]
706	92LJ1912A	J	AX	Panel,Duct
707	92LJ9797C	J	AE	Port Cushion
SP1,2	VSP0010PBY38A	J		Speaker,Woofer
SP3,4	92LC2022DG	J	AG	Speaker,Super Tweeter

PACKING PARTS (For Canada/Central America)

	92LN1874B	J		Packing Add.,Bottom
	92LN1874T	J		Packing Add.,Top
	92LV4974A	J		Polyethylene Bag,Speaker

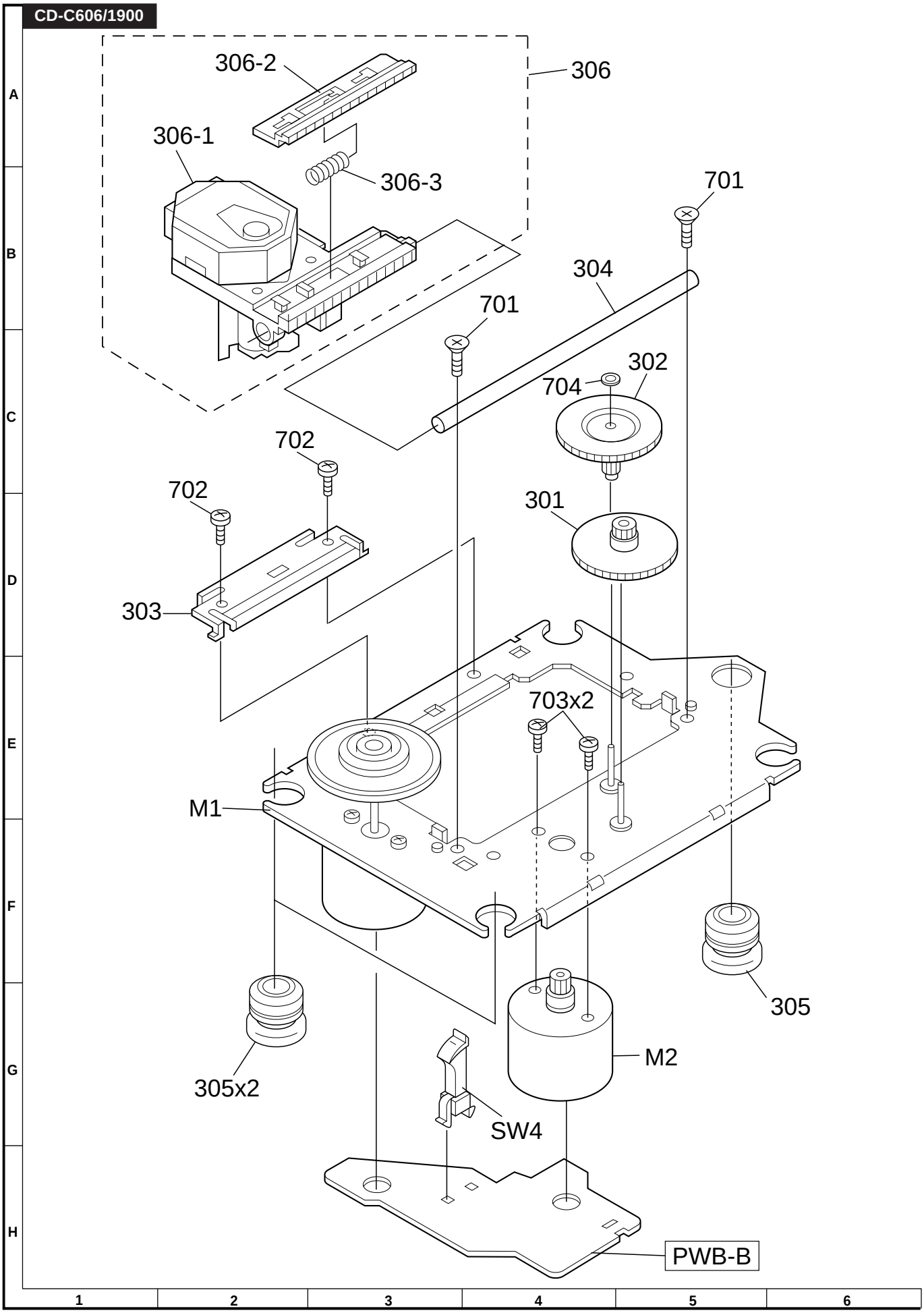


Figure 7 CD MECHANISM EXPLODED VIEW

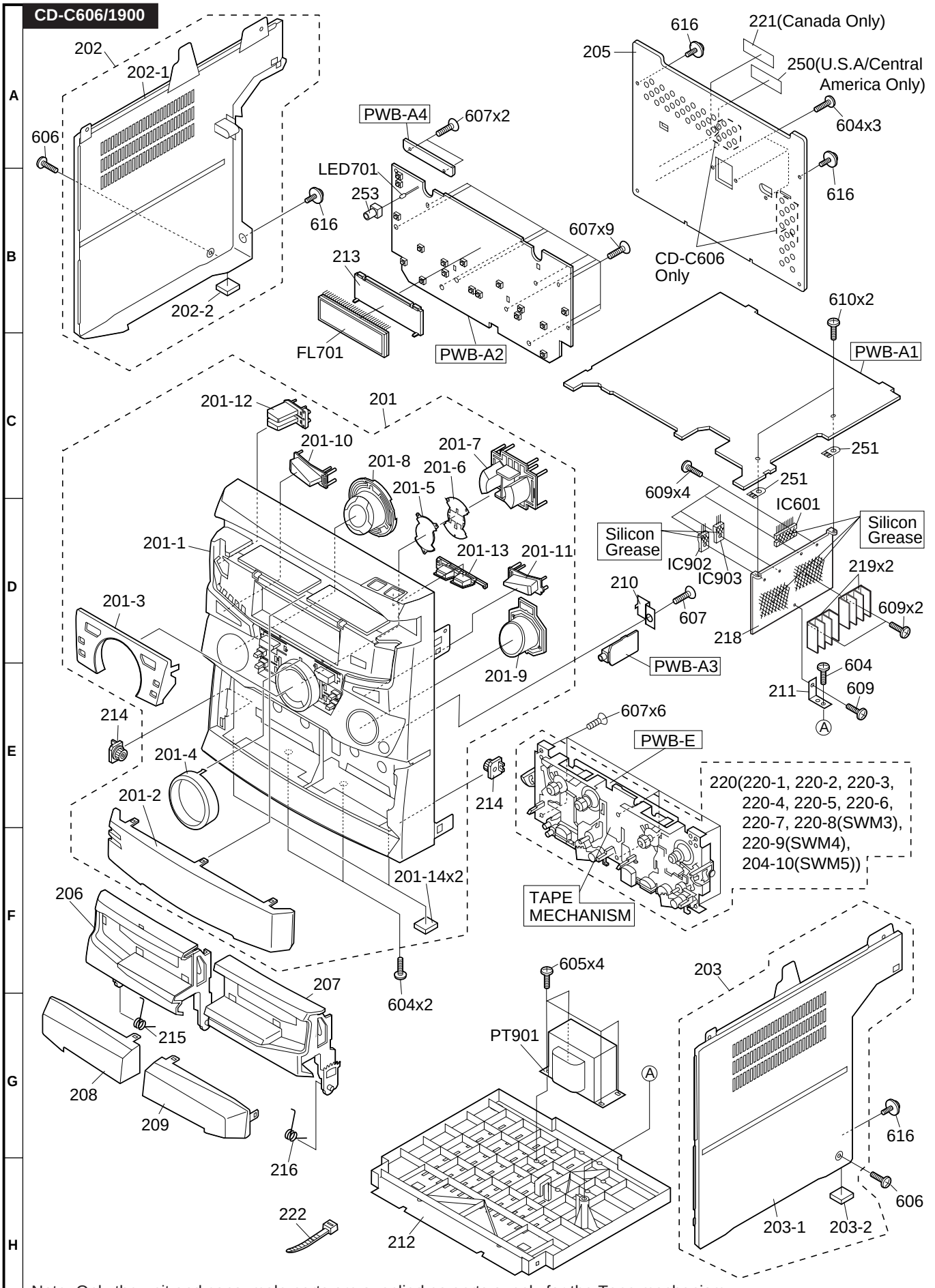


Figure 8 CABINET EXPLODED VIEW (1/2)

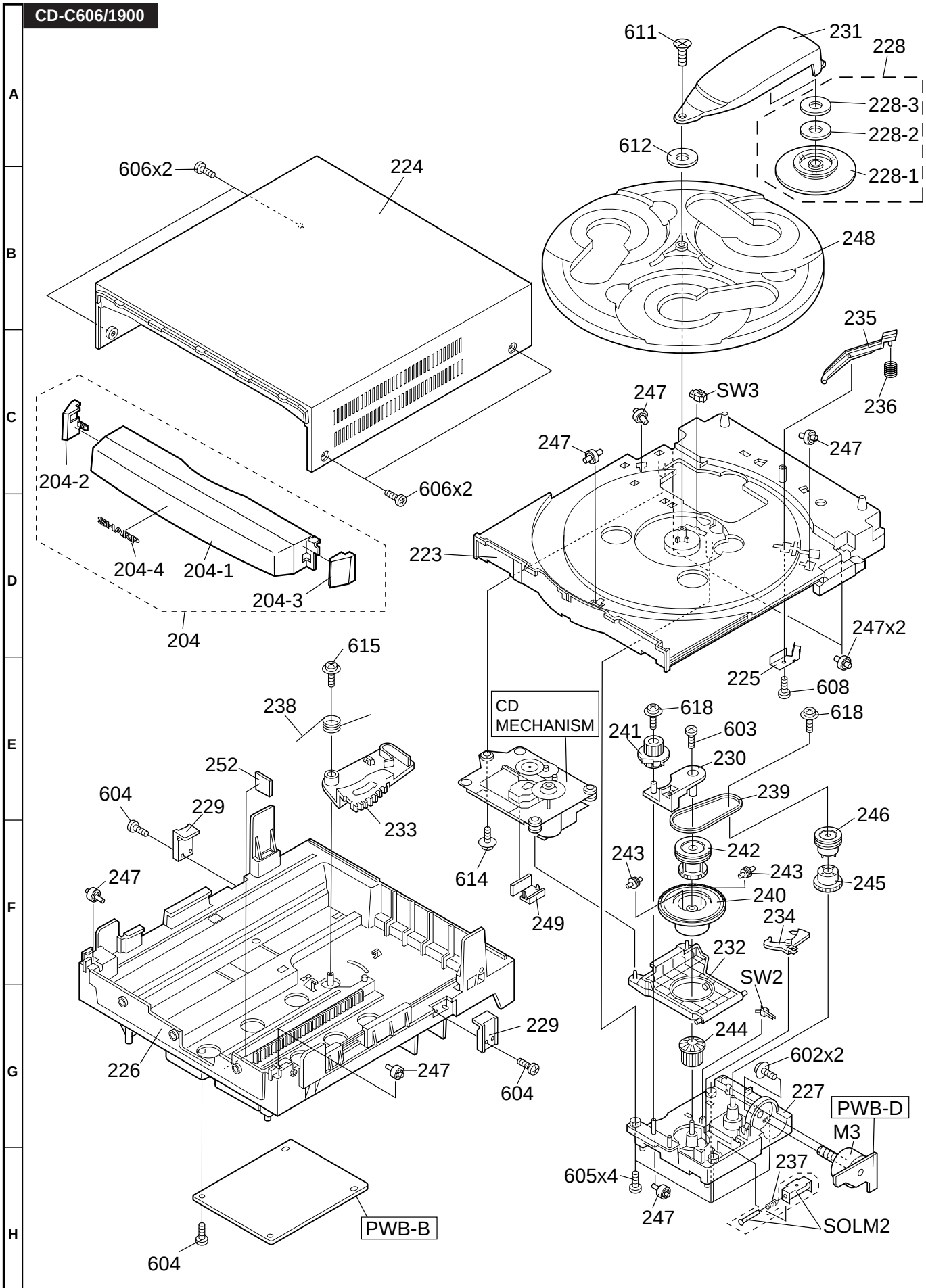


Figure 9 CABINET EXPLODED VIEW (2/2)

CP-C606/1900

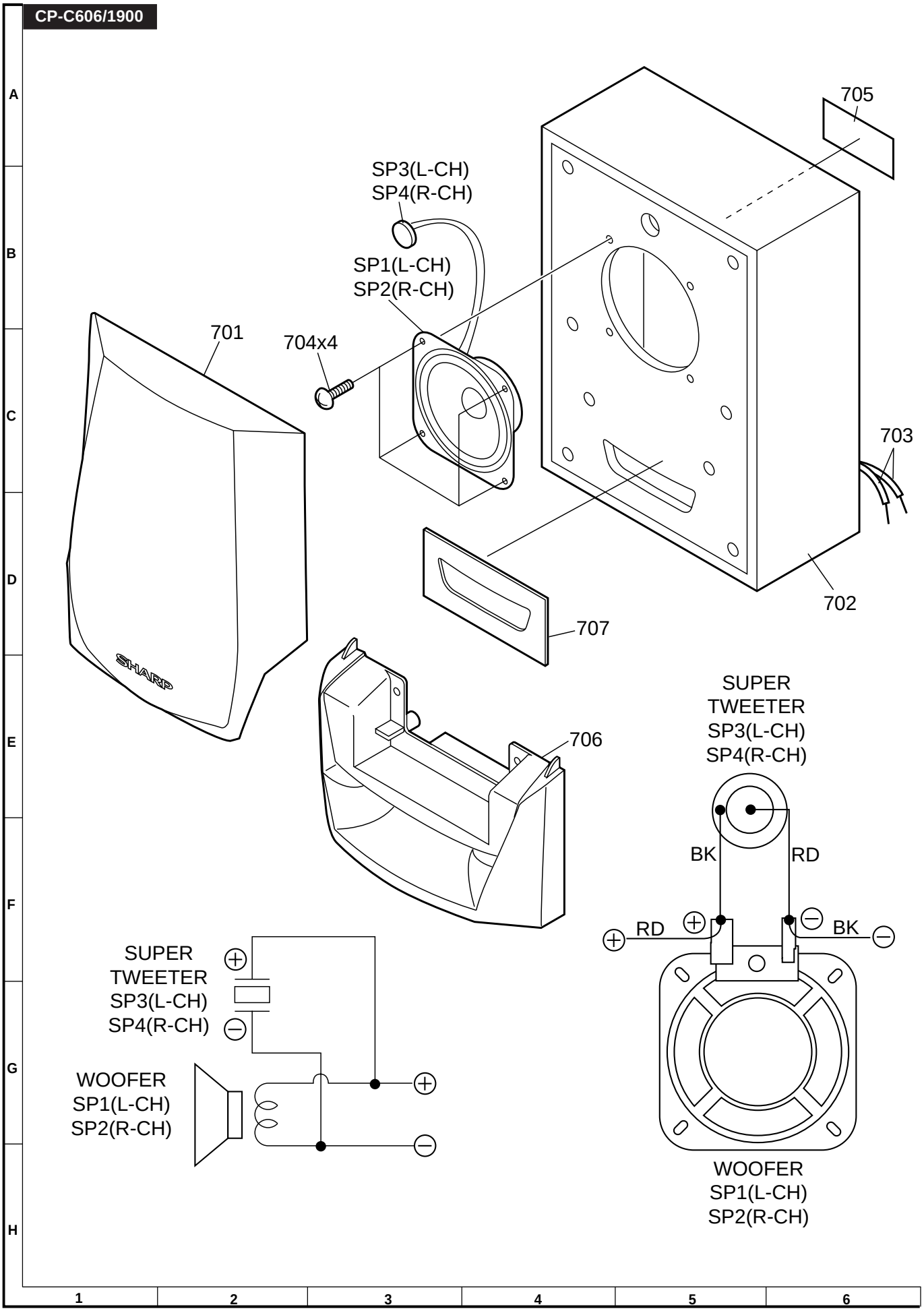
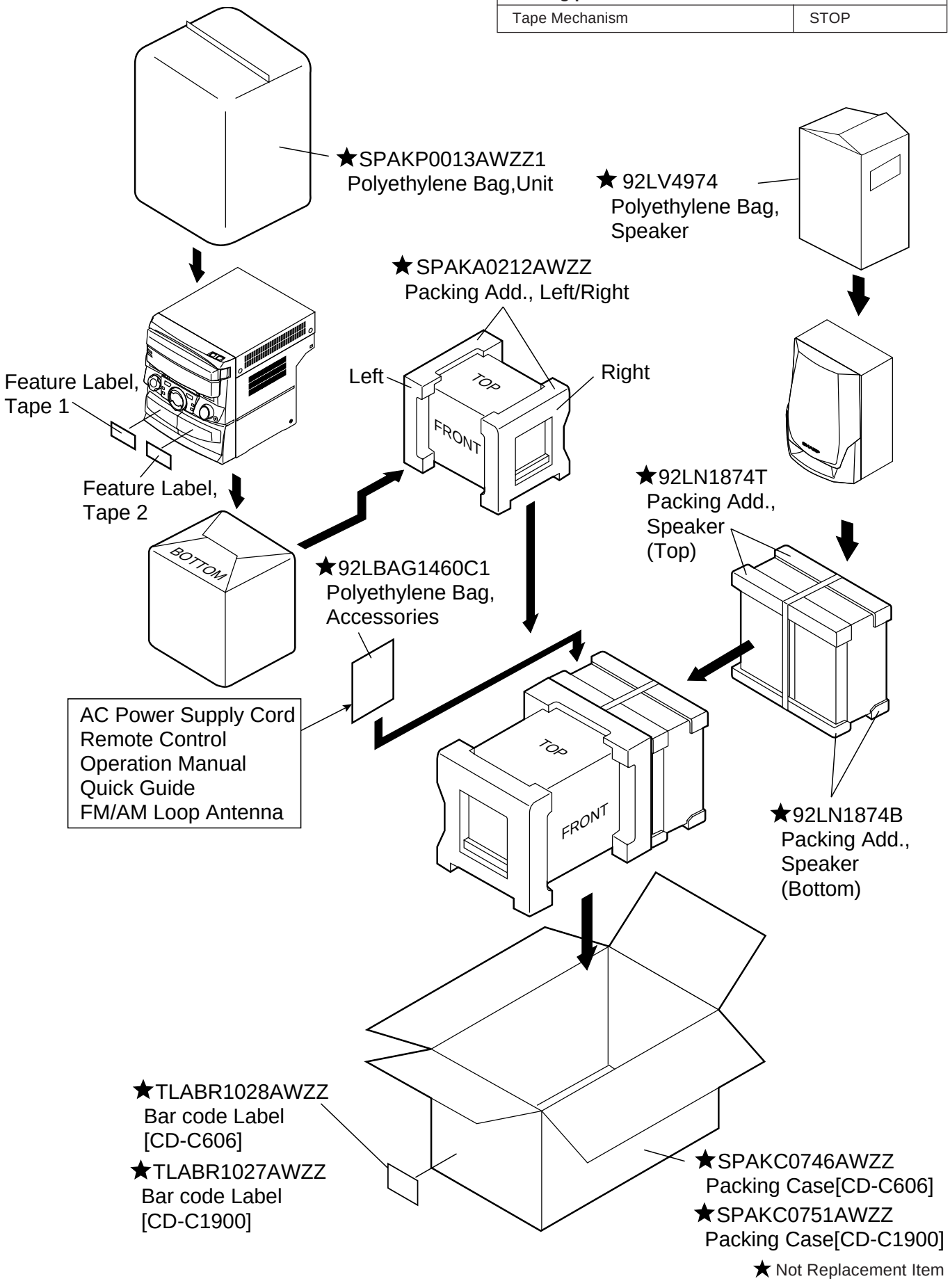


Figure 10 SPEAKER EXPLODED VIEW

PACKING OFF THE SET (FOR U.S.A. ONLY)

Setting position of switches and knobs	
Tape Mechanism	STOP



★ Not Replacement Item