

CX-J3000/J3000M

SERVICE MANUAL

Ver 1.0 2004.08

Russian Model
CX-J3000M

E Model
CX-J3000/J3000M



photo: CX-J3000M

- CX-J3000 is the amplifier, CD player, tape deck and tuner section in RBT-3000.
- CX-J3000M is the amplifier, CD player, tape deck and tuner section in RBT-3000M.

CD Section	Model Name Using Similar Mechanism	NEW
	Optical Pick-up Block Name	KSM-213RDP
	Optical Pick-up Name	KSS-213R
TAPE Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CWM43FR55

SPECIFICATIONS

Amplifier section

CX-J3000

Continuous RMS power output (reference):
25 + 25 watts (6 ohms at 1 kHz, 10% THD) measured at AC 240 V 50/60 Hz
2 + 2 watts (6 ohms at 1 kHz, 10% THD) measured at DC 12 V

CX-J3000M (Russian model)

Continuous RMS power output (reference):
25 + 25 watts (6 ohms at 1 kHz, 10% THD) measured at AC 230 V 50/60 Hz

CX-J3000M (Mexican model)

Continuous RMS power output (reference):
45 + 45 watts (6 ohms at 1 kHz, 10% THD) measured at AC 127 V 60 Hz

CX-J3000M (Chilean and Peruvian models)

Continuous RMS power output (reference):
45 + 45 watts (6 ohms at 1 kHz, 10% THD) measured at AC 240 V 50/60 Hz

Inputs

VIDEO/SAT IN (phono jacks):

Voltage 0.775 V,
impedance 47 kilohms

Outputs

PHONES (stereo mini jack):

Accepts headphones of 8 ohms or more

SPEAKER:

Accepts impedance of 6 to 16 ohms

CD player section

System

Compact disc and digital audio system

Laser

Semiconductor laser ($\lambda = 780 \text{ nm}$)

Emission duration: continuous

Frequency response

2 Hz – 20 kHz ($\pm 0.5 \text{ dB}$)

Wavelength

760 – 800 nm

Signal-to-noise ratio

More than 90 dB

Dynamic range

More than 90 dB

Tape deck section

Recording system

4-track 2-channel, stereo

Frequency response

50 – 13,000 Hz ($\pm 3 \text{ dB}$), using Sony TYPE I cassettes

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

87.5 – 108.0 MHz (50-kHz step)

Antenna

FM telescopic antenna

Intermediate frequency

10.7 MHz

AM tuner section

Tuning range

2 Band type:

Mexican, Chilean and Peruvian models:

530 – 1,710 kHz (with the tuning interval

set at 10 kHz)

531 – 1,710 kHz

(with the tuning interval set at 9 kHz)

Russian model:

531 – 1,602 kHz (with the tuning interval set at 9 kHz)

3 Band type:

MW:

531 – 1,602 kHz (with the tuning interval set at 9 kHz)

SW1:

3.200 – 7.300 MHz (with the tuning interval set at 1 kHz)

SW2:

9.500 – 21.850 MHz (with the tuning interval set at 5 kHz)

Antenna

Antenna terminals

Intermediate frequency

AM loop antenna

External antenna terminal

450 kHz

General

Power requirements

Indian and African models:

220 – 240 V AC, 50/60 Hz
12 V DC

Russian model:

230 V AC, 50/60 Hz

Mexican model:

127 V AC, 60 Hz

Chilean and Peruvian models:

110 – 120 V or 220 – 240 V AC, 50/60 Hz
Adjustable with voltage selector

–Continued on next page–

COMPACT DISC DECK RECEIVER

9-879-115-01
2004H0579-1
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Sony Corporation
Personal Audio Company
Published by Sony Engineering Corporation



Power consumption

CX-J3000 and CX-J3000M (Russian model):
70 watts

CX-J3000M (Mexican model):
90 watts

CX-J3000M (Chilean and Peruvian models):
100 watts

Dimensions (w/h/d) incl. projecting parts and controls
Amplifier/Tuner/Tape/CD section:

Approx. 270 × 300 × 294
mm

Mass

CX-J3000 and CX-J3000M (Russian model):
Approx. 4.8 kg

CX-J3000M (Mexican, Chilean and Peruvian models)
Approx. 5.5 kg

Design and specifications are subject to change
without notice.

Notes on chip component replacement

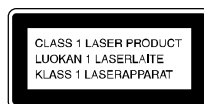
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Playable discs

You can play back the following discs on this system. Other discs cannot be played back.

List of playable discs

Format of discs	Disc logo
Audio CDs	
CD-R/CD-RW (audio data/MP3 files*)	   

* CX-J3000M only

Discs that this system cannot play

- CD-ROMs
- CD-Rs/CD-RWs other than those recorded in the following formats:
 - music CD format
 - MP3 format that conforms to ISO9660¹⁾ Level 1/Level 2, Joliet, Romeo or Multi Session²⁾
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- A disc with paper or stickers on it.
- A disc that has the adhesive, cellophane tape, or a sticker still left on it.

¹⁾ A logical format of files and folders on a CD-ROMs, defined by ISO (International Organization for Standardization).

²⁾ Multi Session
This is a recording method that enables adding of data using the Track-At-Once method. Conventional CDs begin at a CD control area called the Lead-in and end at an area called Lead-out. A Multi Session CD is a CD having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session.

Notes on CD-R and CD-RW

- Some CD-Rs or CD-RWs cannot be played on this system depending upon the recording quality or physical condition of the disc, or the characteristics of the recording device. Furthermore, the disc will not play if it has not been correctly finalized. For more information, see the operating instructions for the recording device.
- Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the driver's characteristics.

- CD-R and CD-RW discs recorded in packet write format are not supported.
- CD-R and CD-RW discs that have not ended by "closing the session" are not supported.
- The system may be unable to play MP3 format files that do not have the ".MP3" extension.
- Attempting to play non-MP3 format files that have the ".MP3" extension may result in noise or malfunction.
- With formats other than ISO9660 Level 1, Joliet and Romeo, folder names or file names may not be displayed correctly.
- The following discs take a longer time to start playback.
 - a disc recorded with complicated tree structure.
 - a disc recorded in Multi Session.
 - a disc to which data can be added (non-finalized disc).

Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Cautions when playing a disc that is recorded in Multi Session

- If the disc begins with a CD-DA session, it is recognized as a CD-DA (audio) disc, and playback continues until an MP3 session is encountered.
- If the disc begins with an MP3 session, it is recognized as an MP3 disc, and playback continues until a CD-DA (audio) session is encountered.
- The playback range of an MP3 disc is determined by the tree structure of files produced by analyzing of the disc.
- A disc with a mixed CD or CD-Extra format will be recognized as a CD-DA (audio) disc.

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SECTION 1 SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LF: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350 °C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

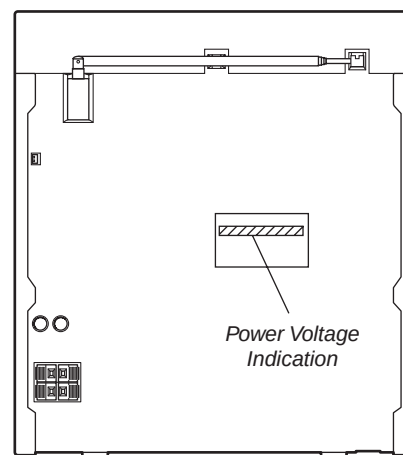
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

- Usable with ordinary solder

It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

• MODEL IDENTIFICATION

– Back Panel –



MODEL	Power Voltage Indication
CX-J3000	AC: 220-240V ~ 50/60Hz 70W
CX-J3000M: RU	AC: 230V ~ 50/60Hz 70W
CX-J3000M: E51	AC: 110-120V/220-240V ~ 50/60Hz 100W
CX-J3000M: MX	ca ~ 127V 60Hz 90W

• Abbreviation

E51 : Chilean and Peruvian models

MX : Mexican model

RU : Russian model

This section is extracted from instruction manual.

Main unit

ALPHABETICAL ORDER

A - O

- ALBUM +/-¹⁾ 19
- CD 5
- CD SYNC 23
- DANCE 17
- Deck A 21
- Deck B 16
- DISPLAY 20
- Display window 8
- FLAT 18
- FM MODE²⁾ 19
- i-Bass 10

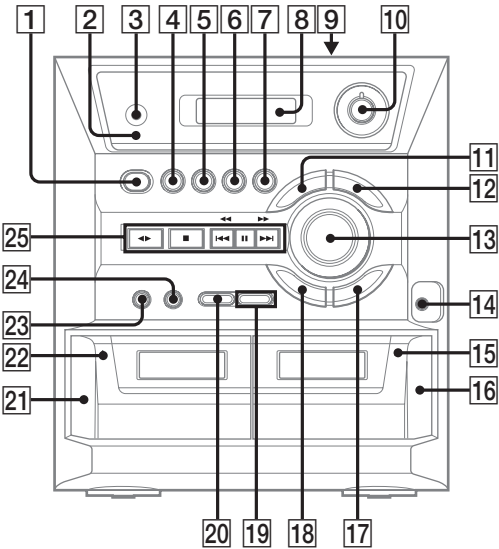
P - Z

- PHONES jack 14
- POP 12
- POWER³⁾ 1
- REC PAUSE/START 24
- Remote sensor 3
- REPEAT²⁾ 19
- ROCK 11
- STANDBY indicator 2
- TAPE A/B 4
- TUNER/BAND 6
- TUNING MODE 25
- VIDEO/SAT 7
- VOLUME control 13

BUTTON DESCRIPTIONS

- I/⏻⁴⁾ (power) 1
- ⏮/⏭ (go back/go forward) 25
- ⏮/⏭ (rewind/fast forward) 25
- (stop) 25
- ⏸ (pause) 25
- ▶ (play) 25
- ▲ PUSH (deck A) (open/close) 22
- ▲ PUSH (deck B) (open/close) 15
- ▲ PUSH OPEN/CLOSE (open/close) 9
- +/- (tuning) 25

1) CX-J3000M only
2) Except for CX-J3000M
3) Except for CX-J3000
4) CX-J3000 only



Remote control

ALPHABETICAL ORDER

A - O

ALBUM +¹⁾ [10]
 ALBUM -¹⁾ [12]
 CD [17]
 CLEAR [14]
 DISC SKIP²⁾ [9]
 DISPLAY [20]
 ENTER [8]
 EQ [13]
 FM MODE [3]
 FUNCTION [5]

P - Z

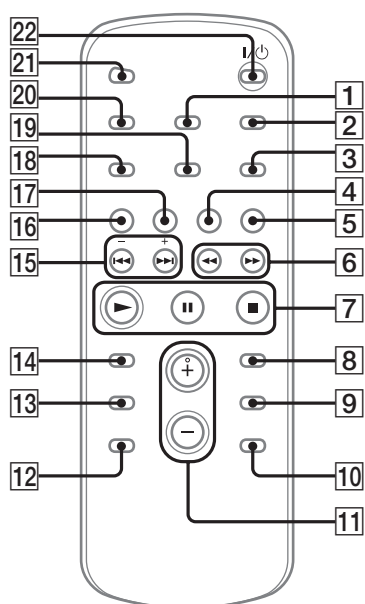
PLAY MODE [19]
 REPEAT [3]
 SELECT²⁾ [1]
 SET²⁾ [2]
 SLEEP [21]
 TAPE [16]
 TUNER BAND [4]
 TUNER MEMORY [18]
 TUNING MODE [19]
 VOLUME +/- [11]

BUTTON DESCRIPTIONS

I/⏻ (power) [22]
 ⏮/⏭ (go back/go forward) [15]
 ⏮/⏭ (rewind/fast forward) [6]
 ■ (stop) [7]
 ⏸ (pause) [7]
 ▶ (play) [7]
 +/- (tuning) [15]

¹⁾ CX-J3000M only

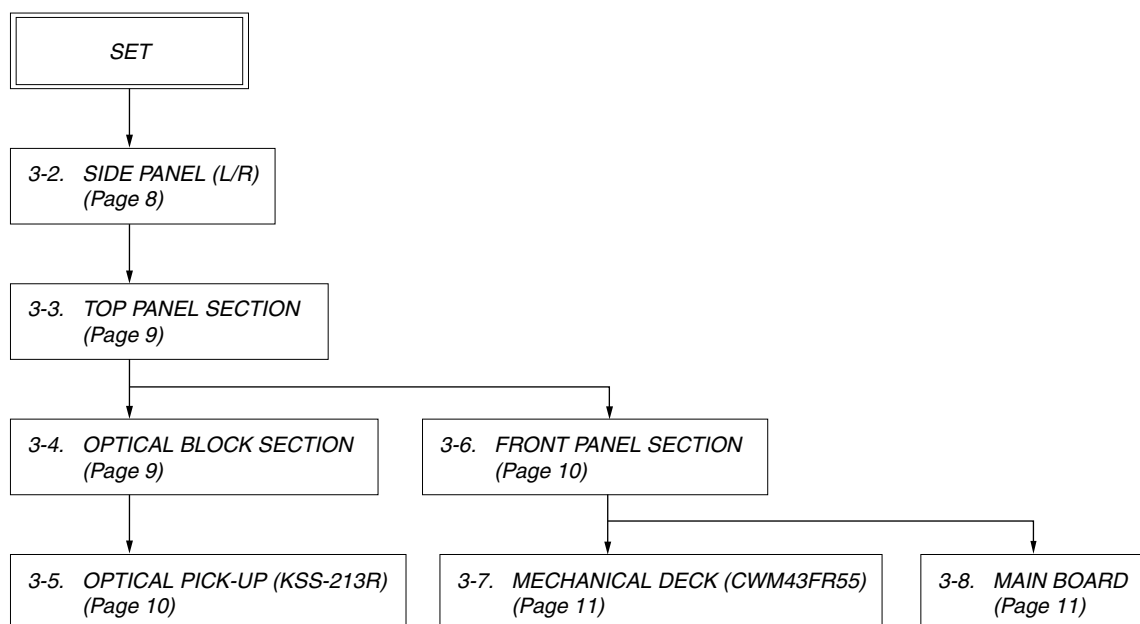
²⁾ This button cannot be used in this system.



SECTION 3 DISASSEMBLY

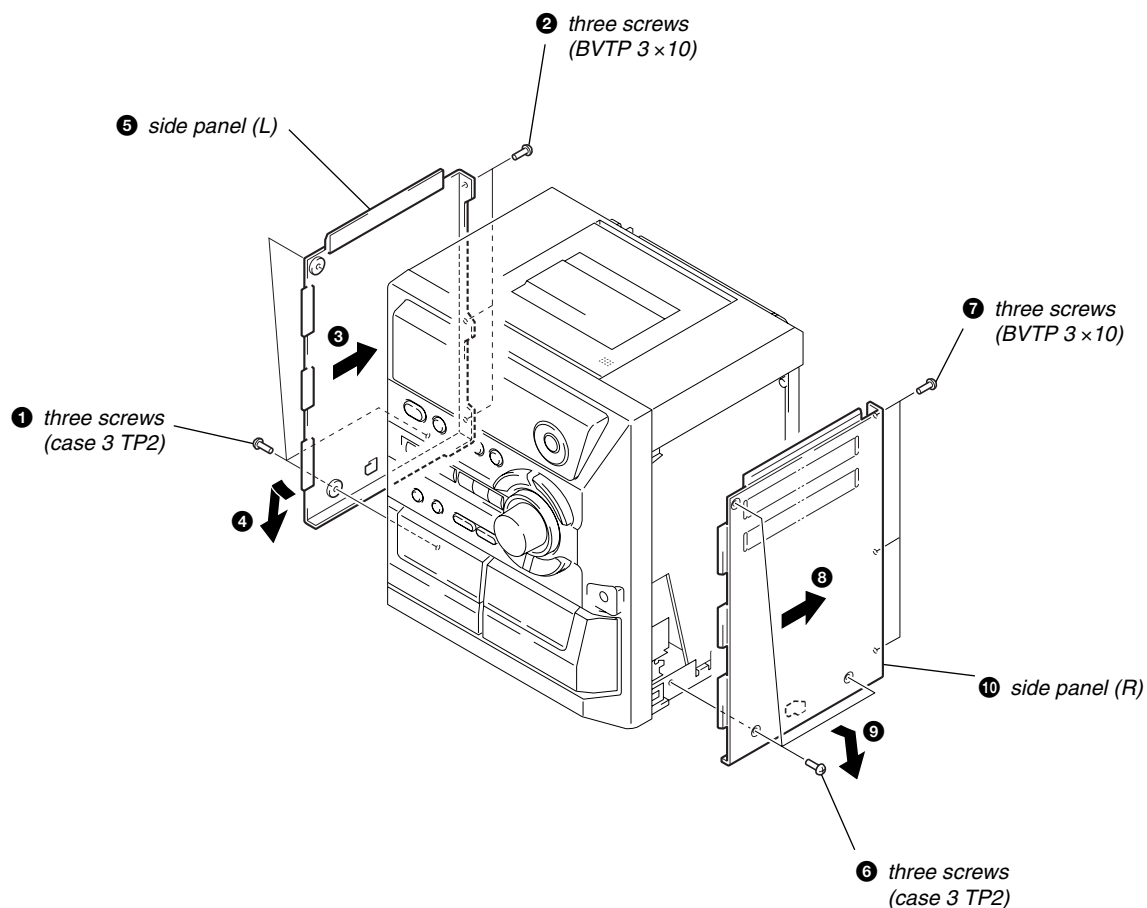
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

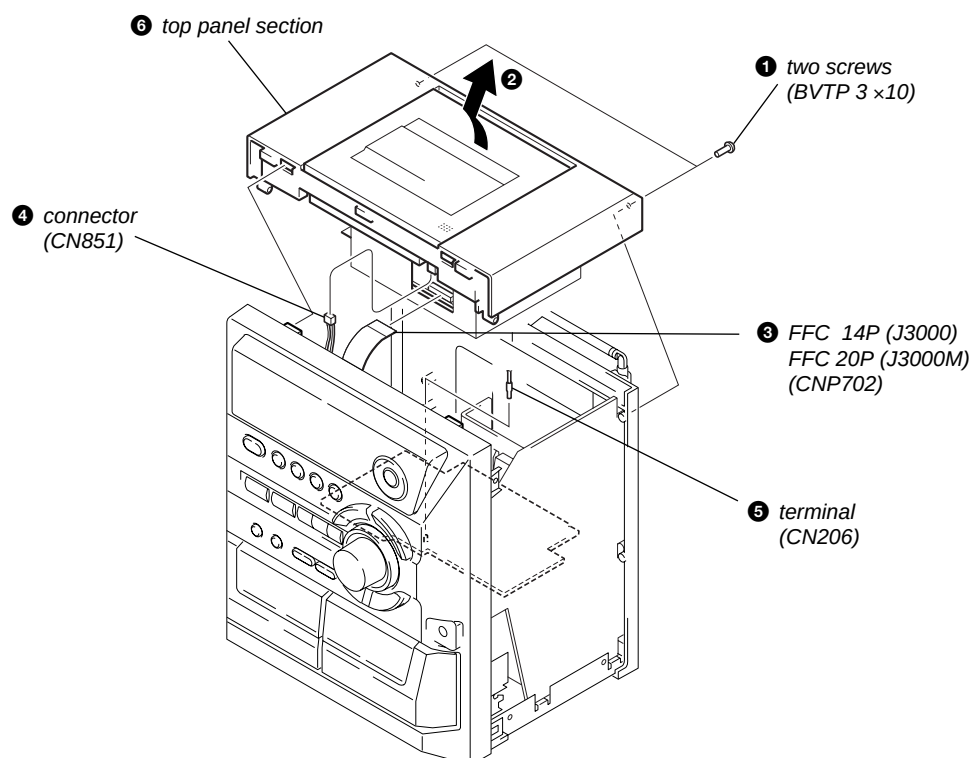


Note: Follow the disassembly procedure in the numerical order given.

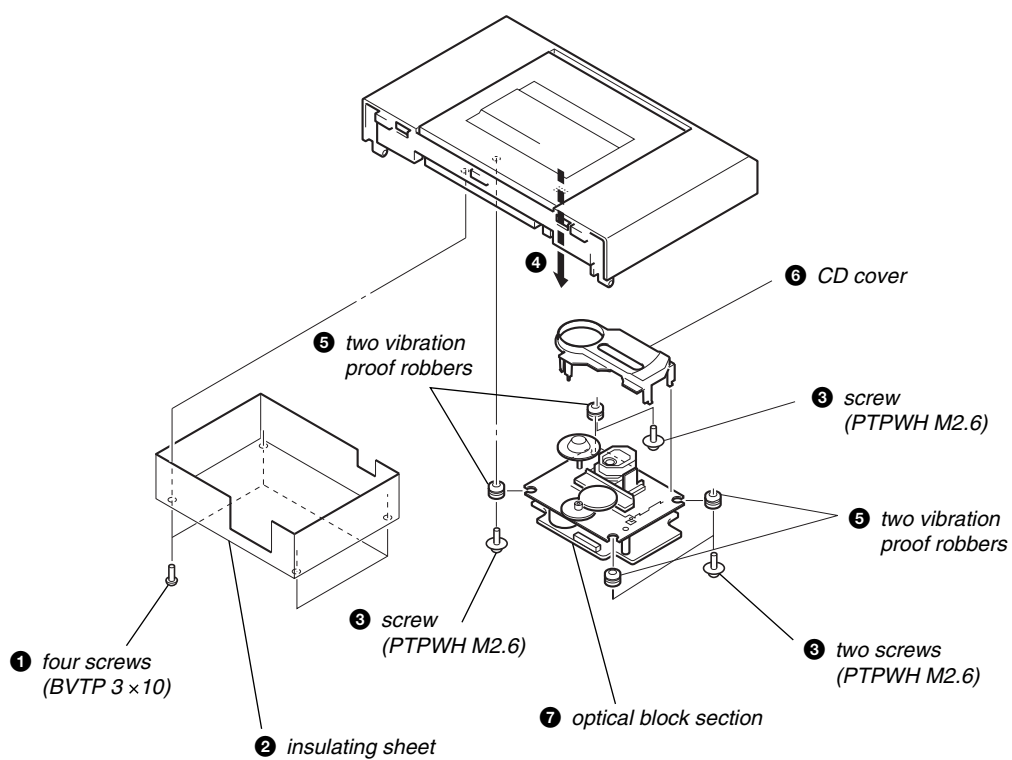
3-2. SIDE PANEL (L/R)



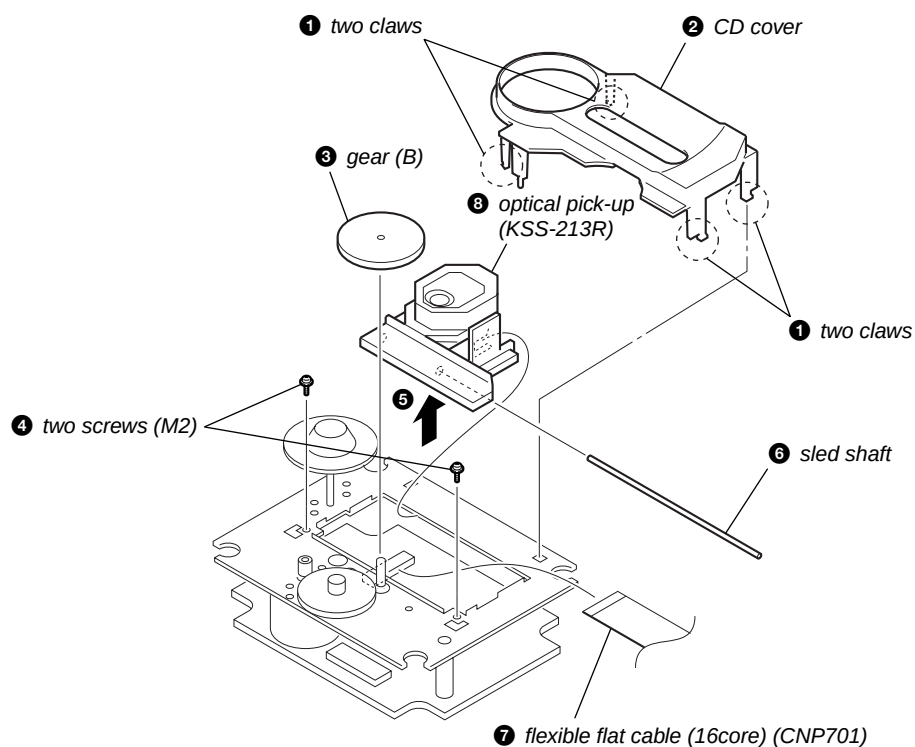
3-3. TOP PANEL SECTION



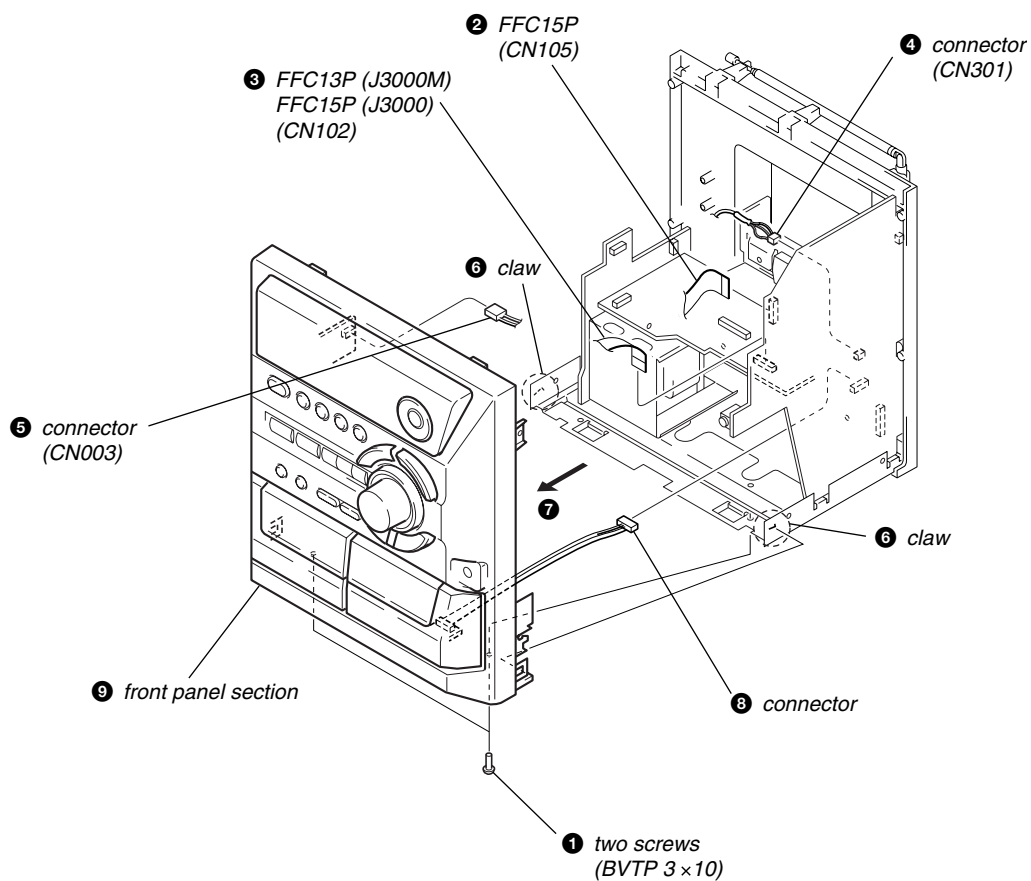
3-4. OPTICAL BLOCK SECTION



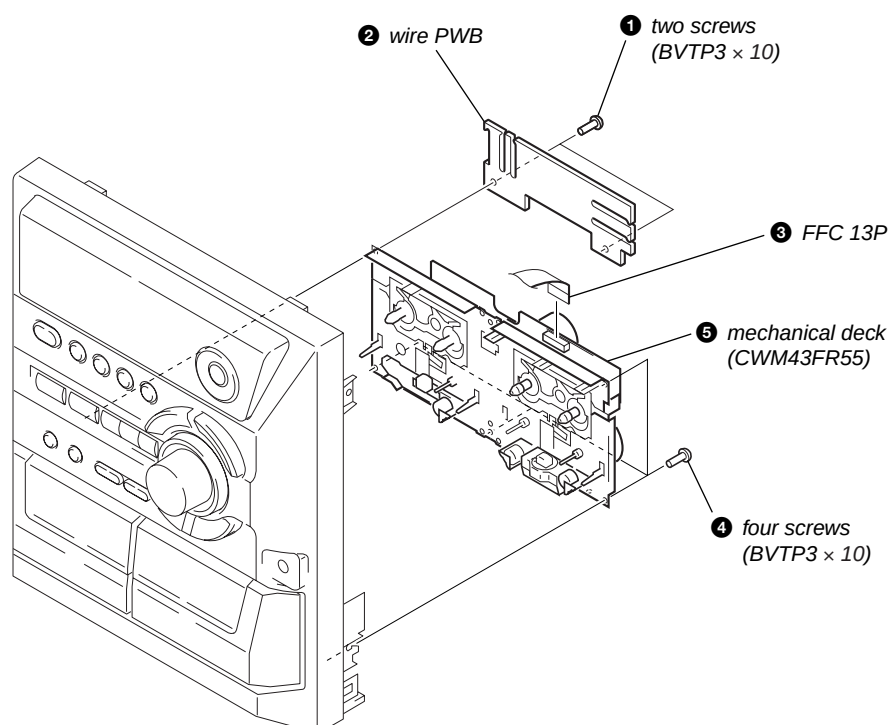
3-5. OPTICAL PICK-UP (KSS-213R)



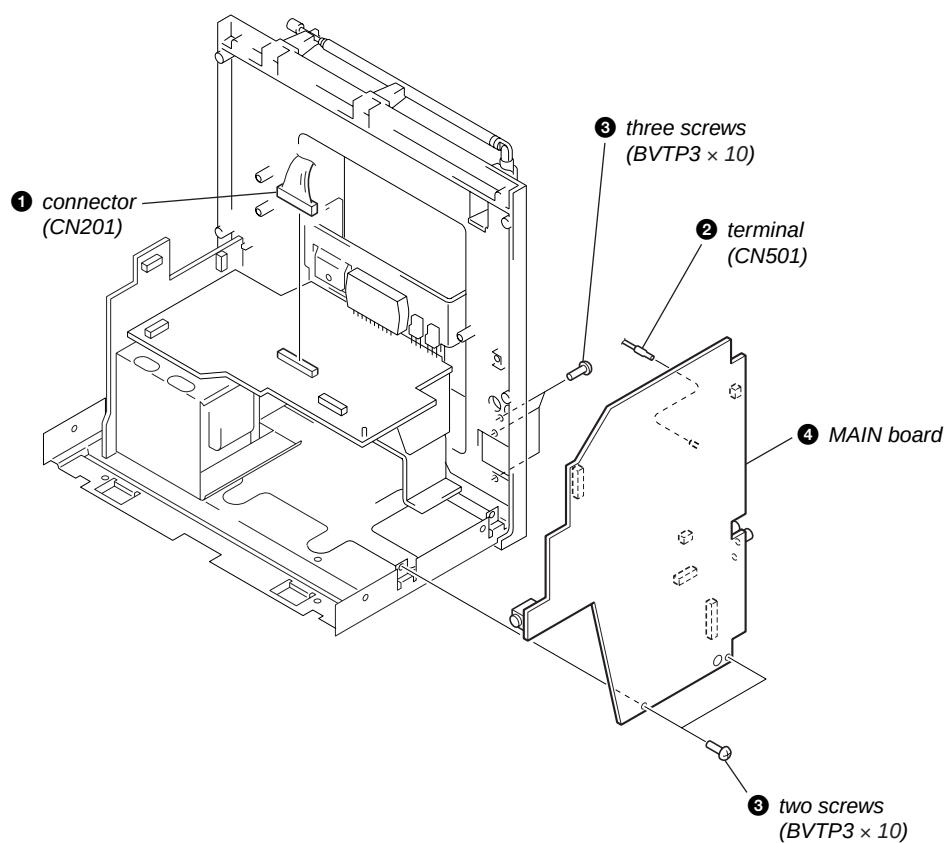
3-6. FRONT PANEL SECTION



3-7. MECHANICAL DECK (CWM43FR55)



3-8. MAIN BOARD



SECTION 4 TEST MODE

COLD RESET

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure:

- Press the **[POWER]** button to turn the power on.
- While pressing the **[■]** button, press the **[i-Bass]** button and turn the **[VOLUME]** knob counter-clockwise.
- The message "RESET" is displayed and the set is reset.

GC TEST MODE

Procedure:

- Press the **[POWER]** button to turn the power on.
- While pressing the **[DISPLAY]** button, press the **[i-Bass]** button for 5 seconds.
- It change displays in order of version, model type and suffix at 2 seconds interval, then the display is back to normal status.

AMP TEST MODE

Procedure:

- In the power off status, while pressing the **[i-Bass]** button and press the **[POWER]** button (J3000M) or connect the AC plug (J3000) to turn the power on. Then enter the AMP test mode and display "AMP TEST".
- If turn the **[VOLUME]** knob clockwise, it displays "VOL MAX", and if turn the knob counter-clockwise, it displays "VOL MIN".
- To release from this mode, turn the power off.

CD REPEAT 5 LIMIT CANCEL MODE

- Number of repeat for CD playback is 5 times when the repeat mode is "REPEAT". This mode enables CD to repeat playback for limitless times.

Procedure:

- Press the **[POWER]** button to turn the power on.
- In the repeat on status, while pressing the **[■]** button, press the **[CD]** button to enter the CD repeat 5 limit cancel mode and repeat mark blinks on the liquid crystal display.
- To release this mode, press the **[POWER]** button to turn the power off.

CHANGE-OVER OF AM TUNER STEP BETWEEN 9 kHz AND 10 kHz

- A step of AM channels can be changed over between 9 kHz and 10 kHz.

Procedure:

In the power off status, while pressing the **[TUNER/BAND]** button and press the **[POWER]** button to the display on fluorescent liquid crystal display changes to "AM 530 kHz" (10 kHz step) or "AM 531 kHz" (9 kHz step), and thus the channel step is changed over.

FUNCTION CHANGE MODE

- Select either VIDEO or SAT of the external function input.

Procedure:

- In the power off status, while pressing the **[VIDEO/SAT]** button and press the **[POWER]** button (J3000M) or connect the AC plug (J3000).
- Each time this operation is operated, it change displays in order of "VIDEO" and "SAT".

TC TEST MODE

Procedure:

- In the power off status, while pressing the **[TAPE A/B]** button and press the **[POWER]** button (J3000M) or connect the AC plug (J3000) to turn the power on. Then enter the TC test mode and display "TC TEST".
- Set the tape into the deck-B.
- Press the **[▶▶]** button, tape is forwarded to the last position. Press the **[◀◀]** button, tape is rewound to the beginning position.
- Press the **[REC PAUSE/START]** button, tape is rewound to the beginning position and recording starts.
- In the step 4 status, press the **[■]** button, tape is rewound to the beginning position and playing starts.
- To release from this mode, turn the power off.

CD TEST MODE

Procedure:

- In the power off status, while pressing the **[CD]** button and press the **[POWER]** button (J3000M) or connect the AC plug (J3000) to turn the power on. Then enter the CD test mode and liquid crystal display is all turned on.
- Press the **[▶▶]** button to move the optical pick-up to outside track, or **[◀◀]** button to inside track. This time, "CD TEST" is displayed on the liquid crystal display.
- Press the **[◀▶]** button, normally playing is performed. In case of focus on is not able, focus search is performed continuously.
- Press the **[■]** button, focus search is performed continuously and LD is lit on. This time, "READING" is displayed on the liquid crystal display.
- Each time **[■]** button is pressed, traverse on/off are changed.
- To release from this mode, turn the power off.

SECTION 5 MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab:
record/playback heads pinch rollers
erase head rubber belts
capstan idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

TORQUE MEASUREMENT

Mode	Torque meter	Meter reading
FWD	CQ-102C	3.06 N • m to 6.96 N • m 31 to 71 g • cm (0.43 – 0.98 oz • inch)
FWD back tension	CQ-102C	0.19 N • m to 0.58 N • m 2 to 6 g • cm (0.02 – 0.08 oz • inch)
REV	CQ-102RC	3.06 N • m to 6.96 N • m 31 to 71 g • cm (0.43 – 0.98 oz • inch)
REV back tension	CQ-102RC	0.19 N • m to 0.58 N • m 2 to 6 g • cm (0.02 – 0.08 oz • inch)
FF/REW	CQ-201B	6.96 N • m to 14.02 N • m 71 to 143 g • cm (0.98 – 1.99 oz • inch)
FWD tension	CQ-403A	9.80 N • m 100 g or more (3.53 oz or more)
REV tension	CQ-403R	9.80 N • m 100 g or more (3.53 oz or more)

CX-J3000/J3000M SECTION 6 ELECTRICAL ADJUSTMENTS

DECK SECTION

0 dB=0.775 V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjust.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.

• Test Tape

Tape	Signal	Used for
P-4-A063	6.3 kHz, -10 dB	Azimuth Adjustment

RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT

DECK A

DECK B

Note: Perform this adjustments for both decks

Procedure:

1. Mode: Playback

test tape

P-4-A063

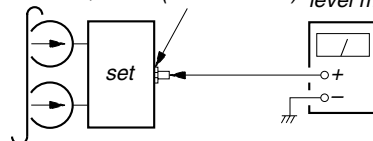
(6.3 kHz, -10 dB)

MAIN board

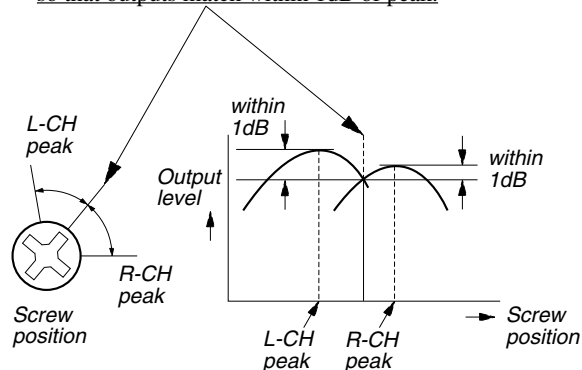
PHONES jack

(J202 or J203)

level meter



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1dB of peak.



3. Mode: Playback

test tape

P-4-A063

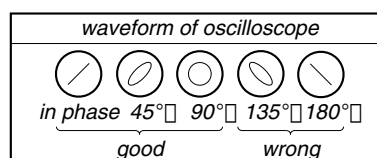
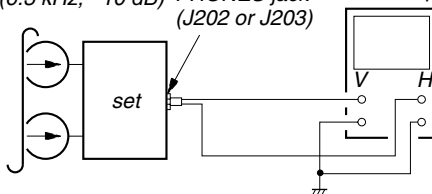
(6.3 kHz, -10 dB)

MAIN board

PHONES jack

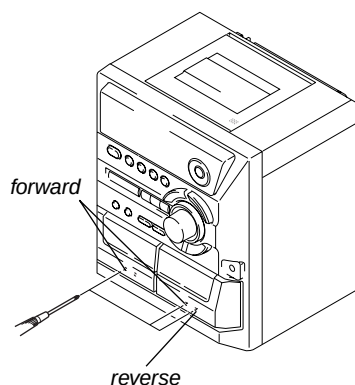
(J202 or J203)

oscilloscope



- After the adjustments, apply suitable locking compound to the parts adjusted.

Adjustment Location: Playback Head (Deck A).
Record/Playback/Erase Head (Deck B).



TUNER SECTION

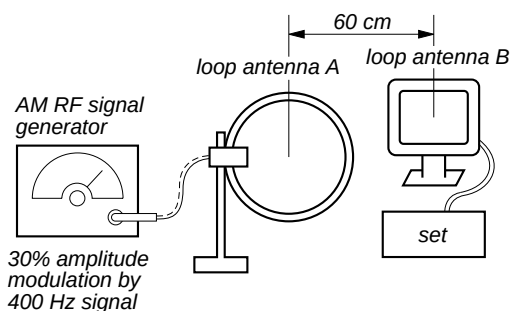
0 dB=1 μ V

[MW]

Setting:

Function : RADIO

TUNER/BAND button : MW

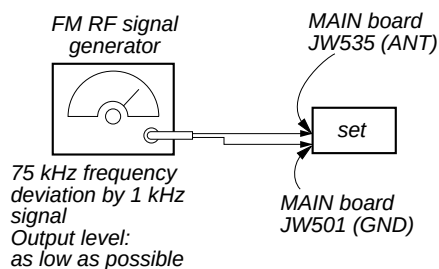


[FM]

Setting:

Function : RADIO

TUNER/BAND button: FM

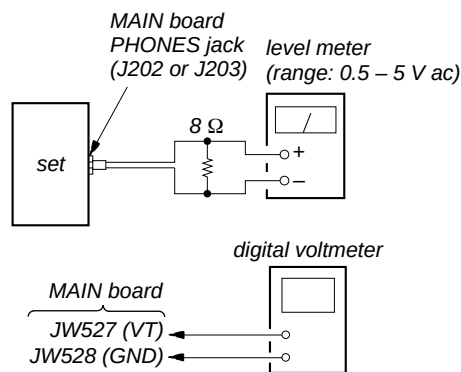
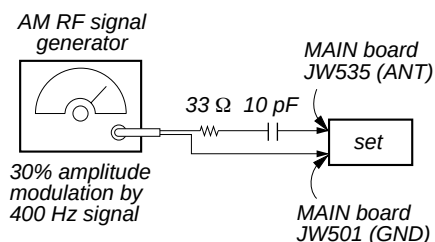


[SW]

Setting:

Function : RADIO

TUNER/BAND button: SW-1 or SW-2



- Repeat the procedures in each adjustment several times, and the tracking adjustments should be finally done by the trimmer capacitors.
- Remove FM/SW telescopic antenna in FM and SW adjustment.

MW IF ADJUSTMENT

Adjust for a maximum reading on level meter

L514 450 kHz

<< >>: J3000 only, (): 10kHz step status

MW VT VOLTAGE ADJUSTMENT

Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L503	531, (530) kHz	1.5 ± 0.1 <<1.1 $\pm$ 0.1>> V
Confirmation	1,602, (1,710) kHz	6.3 ± 0.5 <<7.5 $\pm$ 0.5>> V

(): 10kHz step status

MW TRACKING ADJUSTMENT

Adjust for a maximum reading on level meter

L516 603 (620) kHz
TC503 1,404 (1,490) kHz

SW1 VT VOLTAGE ADJUSTMENT (J3000 only)

Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L501	3.2 MHz	1.45 ± 0.1 V
Confirmation	7.3 MHz	6.5 ± 0.8 V

SW1 TRACKING ADJUSTMENT (J3000 only)

Adjust for a maximum reading on level meter

L504 3.2 MHz
TC502 7.3 MHz

SW2 VT VOLTAGE ADJUSTMENT (J3000 only)

Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L502	9.5 MHz	1.95 ± 0.1 V
Confirmation	21.85 MHz	7.5 ± 0.5 V

SW2 TRACKING ADJUSTMENT (J3000 only)

Adjust for a maximum reading on level meter

L505 15 MHz

FM VT VOLTAGE ADJUSTMENT

Adjustment Part	Frequency Display	Reading on Digital Voltmeter
L513	87.5 MHz	1.75 ± 0.1 V
Confirmation	108 MHz	5.8 ± 0.5 V

FM TRACKING ADJUSTMENT

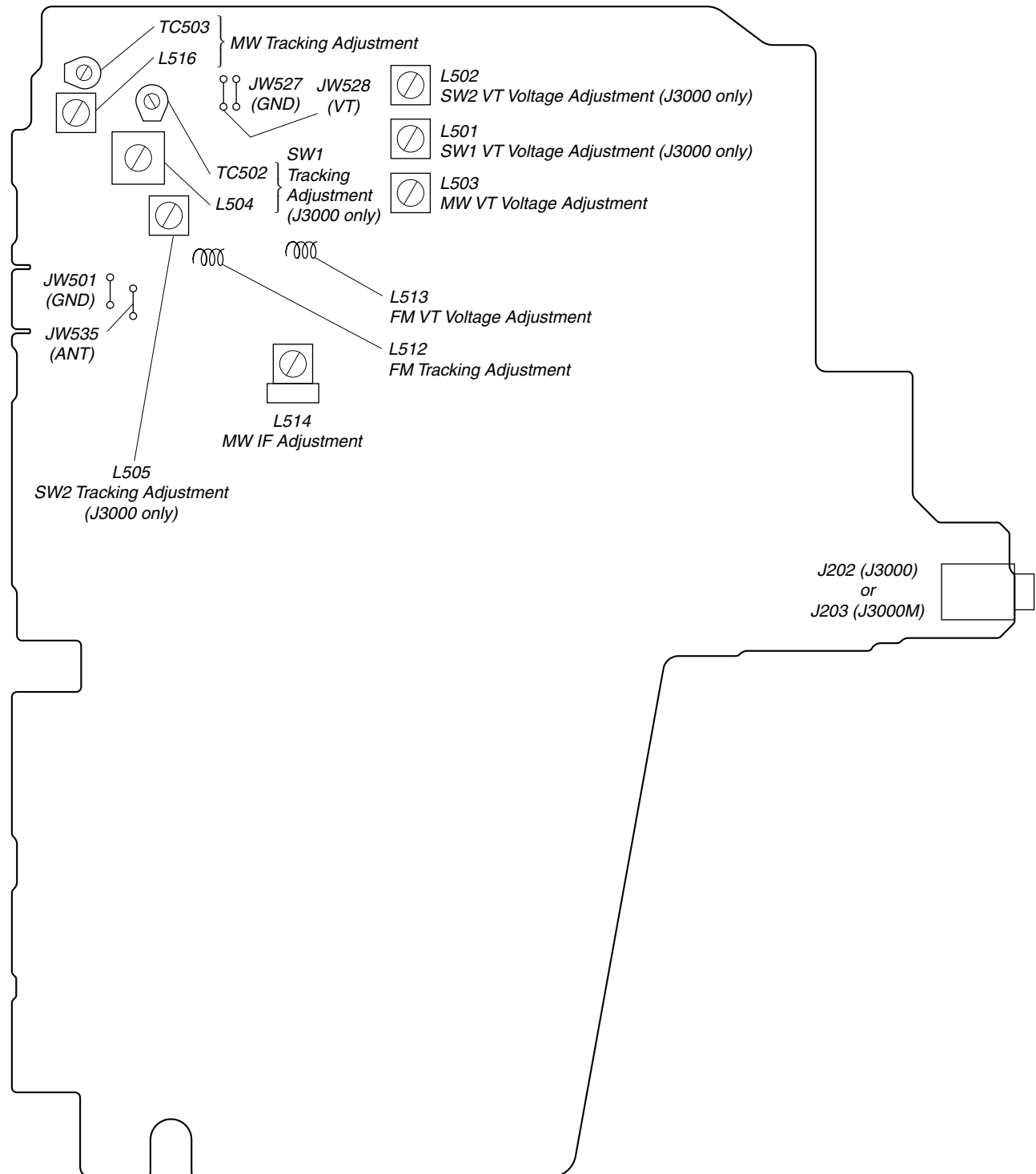
Adjust for a maximum reading on level meter

L512 98 MHz

Adjustment Location: MAIN board (See page 15)

Adjustment Location:

– **MAIN BOARD** (Component Side) –



CD SECTION

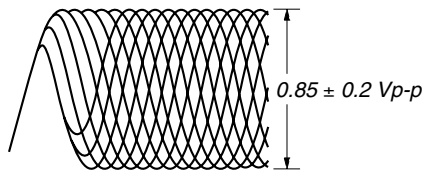
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

Focus Bias Check (J3000)

- 1. Connect the oscilloscope to TP (RF) and TP (GND) on the CD board.
- 2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
- 3. Press the ◀▶ button.
- 4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.

RF signal reference waveform (eye pattern)

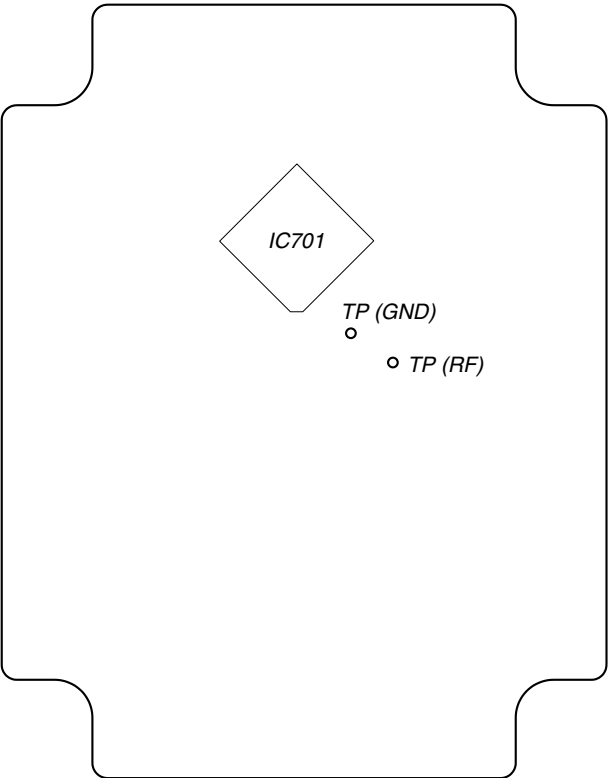
VOLT/DIV: 200 mV (with the 10: 1 probe in use.)
TIME/DIV: 500 ns



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Adjustment Location:

– CD BOARD (Conductor Side) –

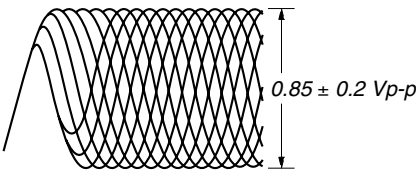


Focus Bias Check (J3000M)

- 1. Connect the oscilloscope to TP (RF) and TP (VREF) on the CD/MP3 board.
- 2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
- 3. Press the ◀▶ button.
- 4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.

RF signal reference waveform (eye pattern)

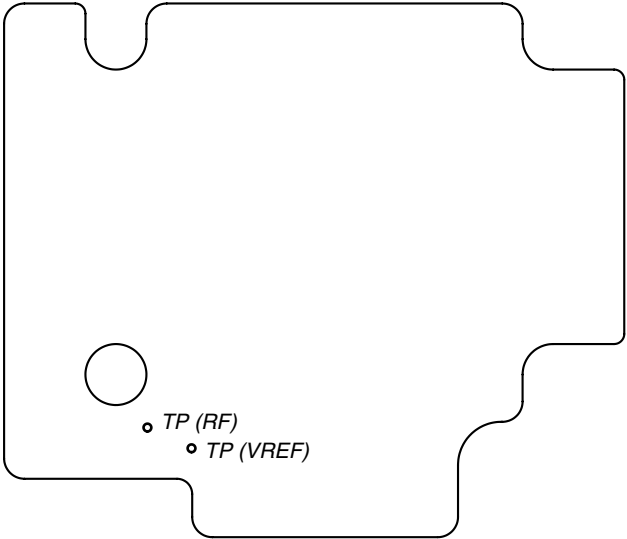
VOLT/DIV: 50 mV (with the 10: 1 probe in use.)
TIME/DIV: 500 ns



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

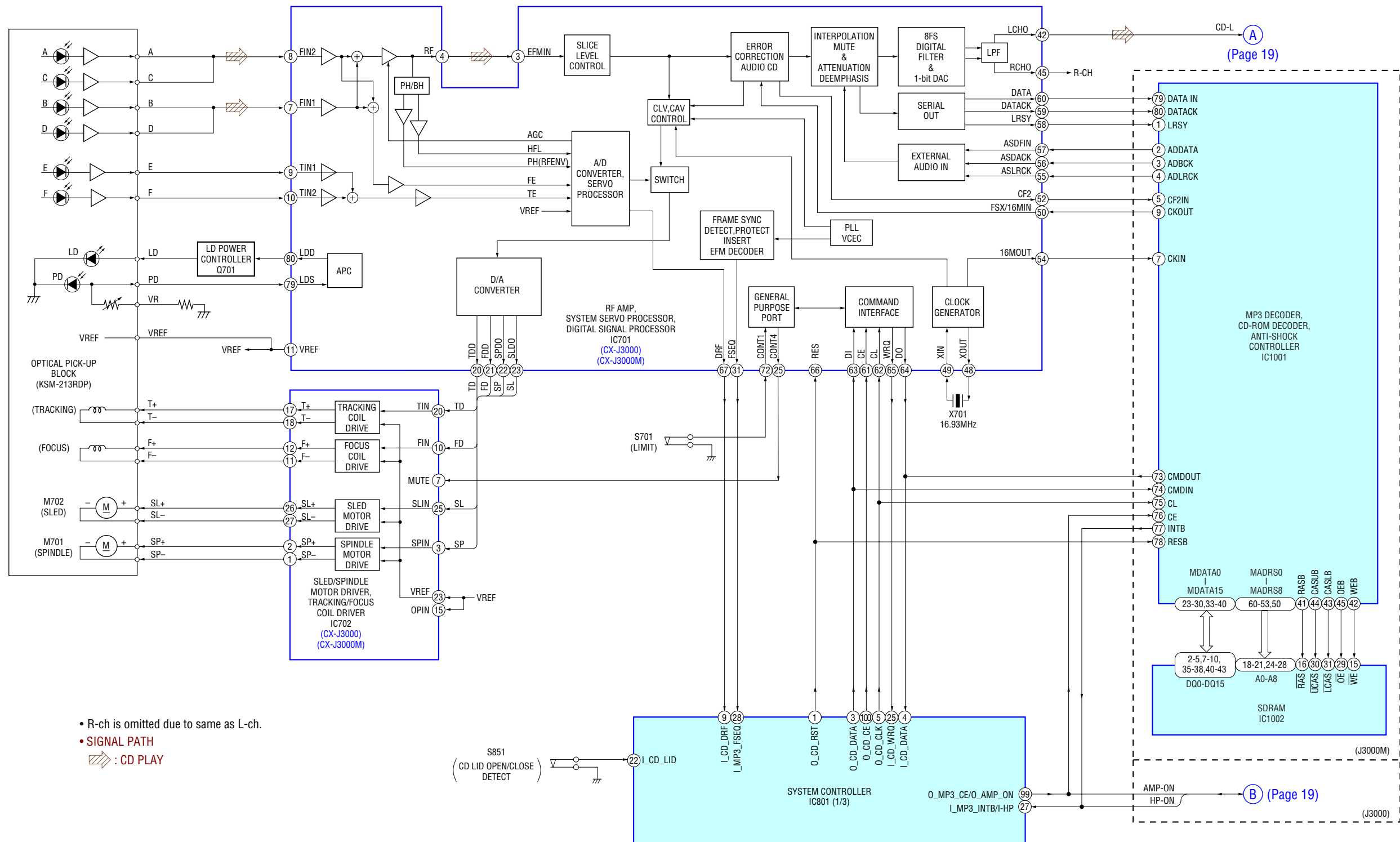
Adjustment Location:

– CD/MP3 BOARD (Side B) –

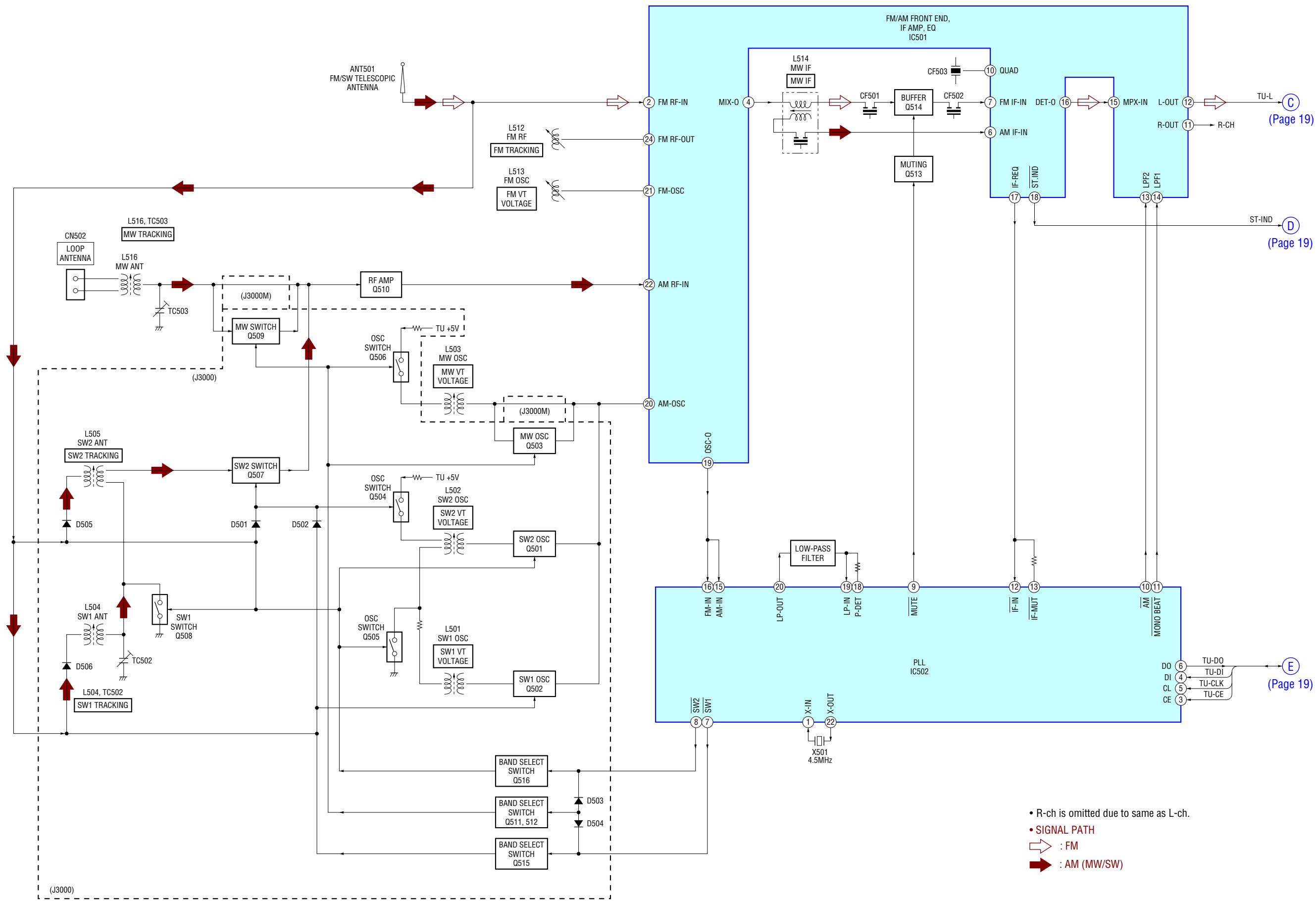


SECTION 7 DIAGRAMS

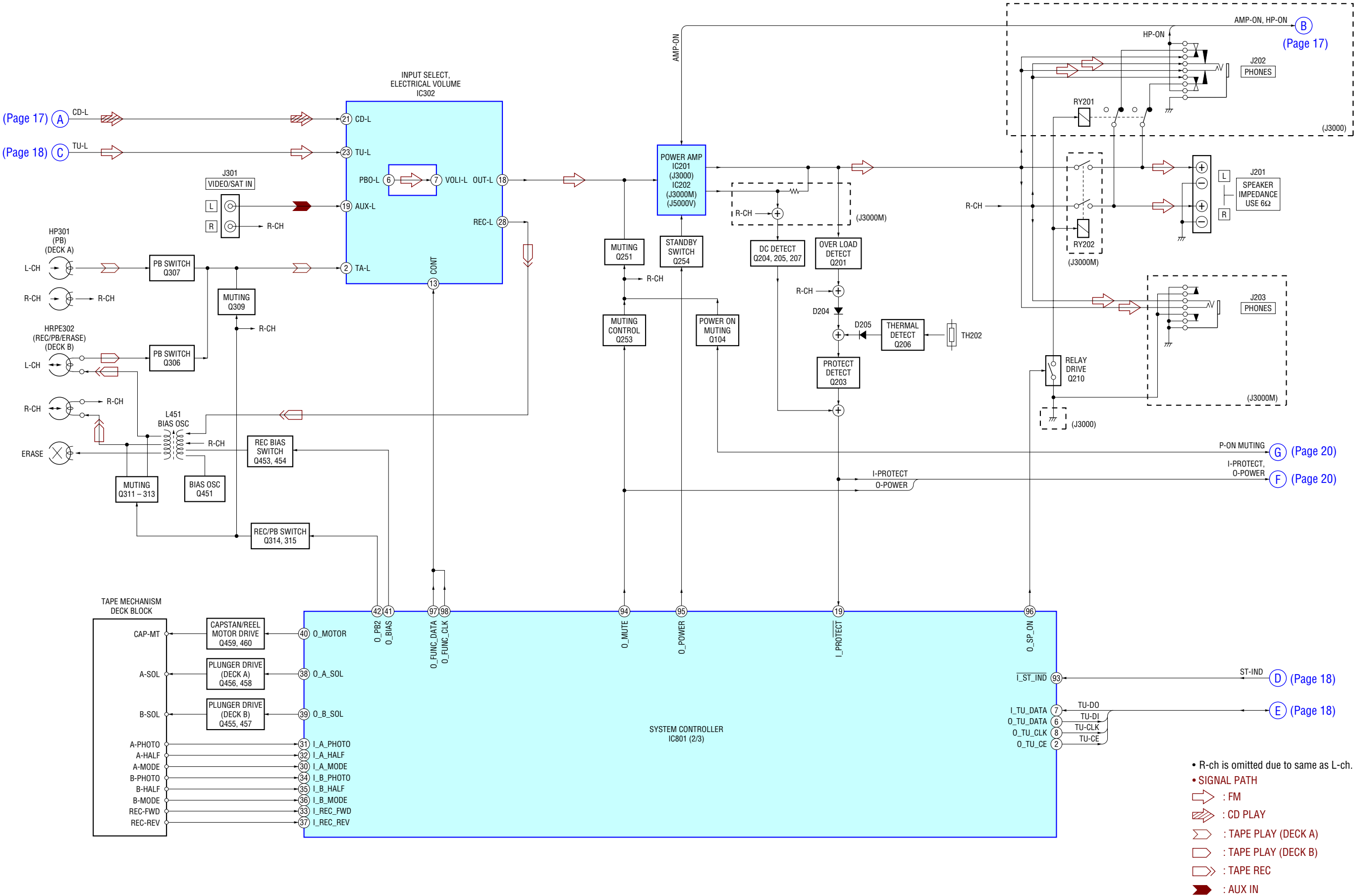
7-1. BLOCK DIAGRAM – SERVO SECTION –



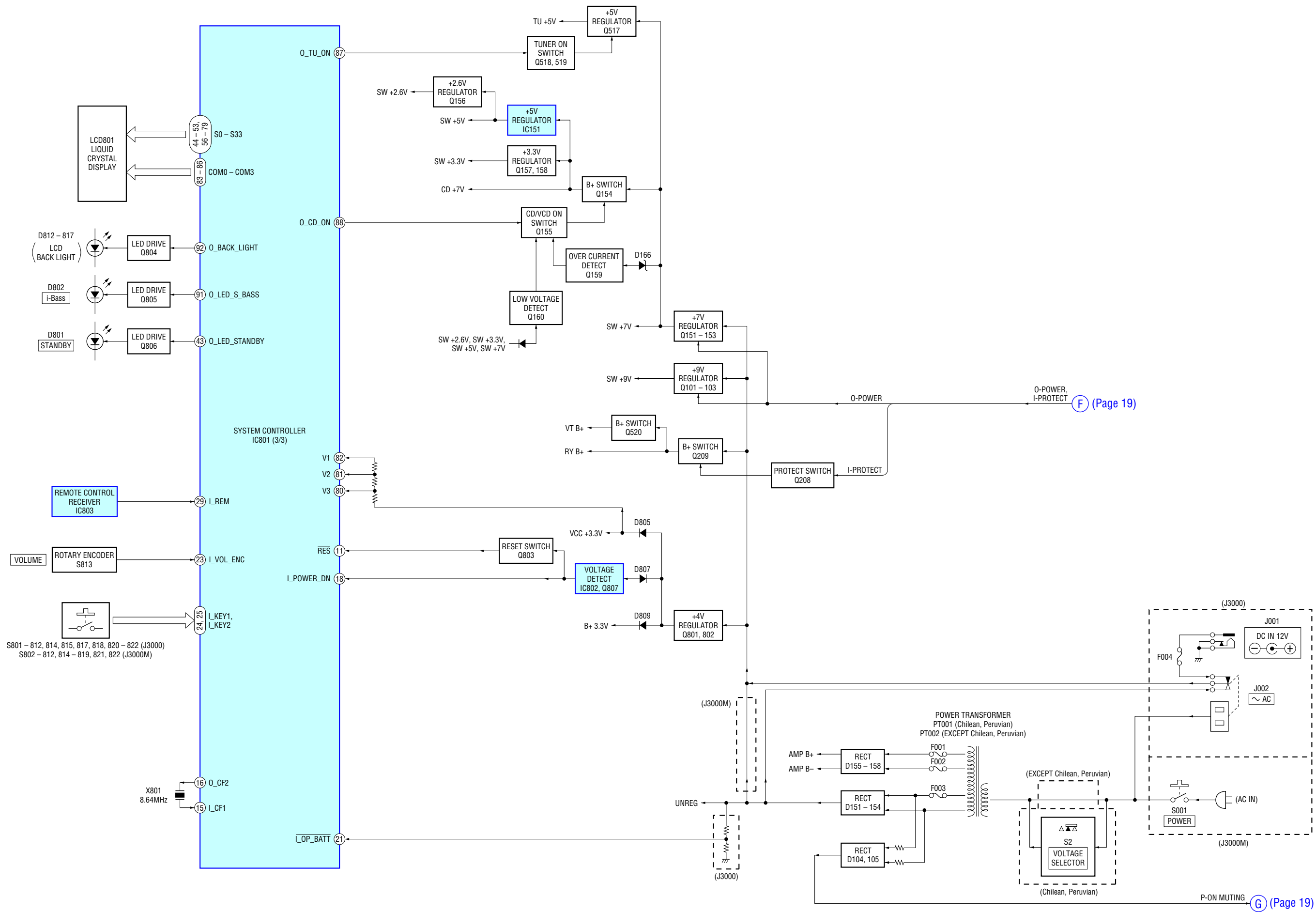
7-2. BLOCK DIAGRAM – TUNER SECTION –



7-3. BLOCK DIAGRAM – AUDIO SECTION –



7-4. BLOCK DIAGRAM – DISPLAY/POWER SUPPLY SECTION –



• NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

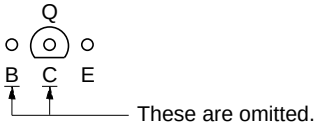
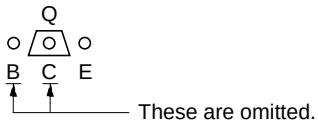
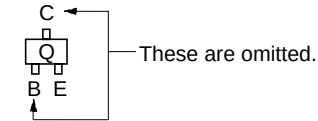
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : indicates side identified with part number.
- △ : internal component.
- : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
(Side B)
Parts face side: Parts on the parts face side seen from the parts face are indicated.
(Side A)

Caution:
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
(Conductor Side)
Parts face side: Parts on the parts face side seen from the parts face are indicated.
(Component Side)

- Indication of transistor.



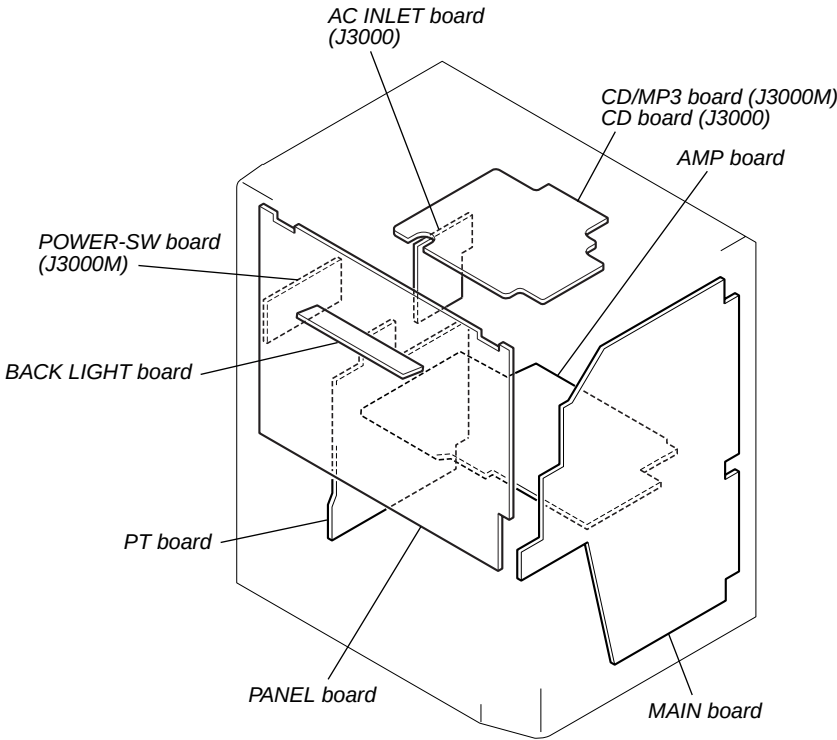
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF ; μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

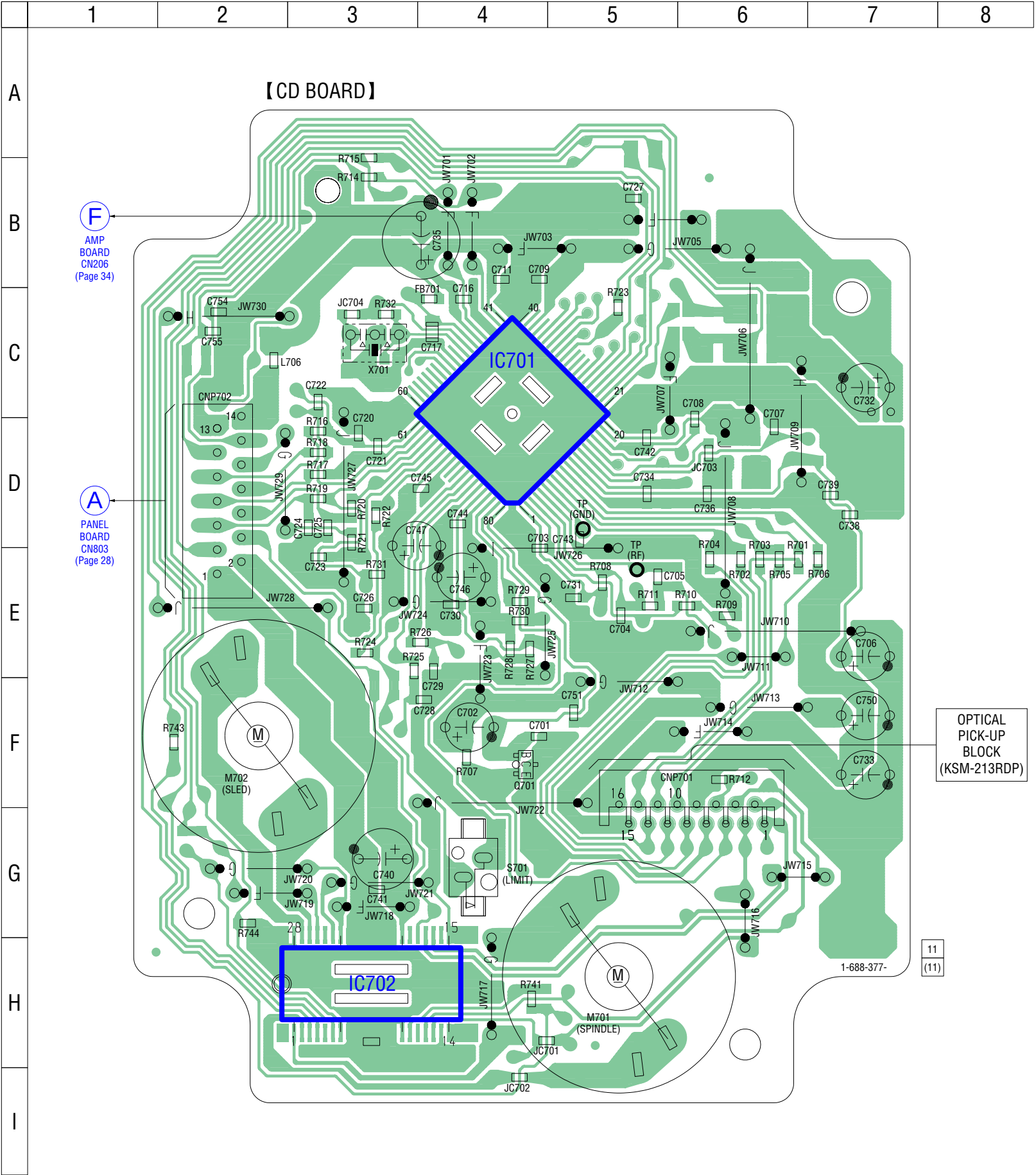
Note:
The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

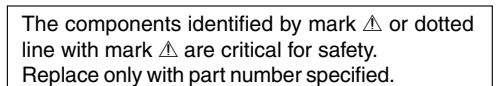
- — : B+ Line.
- - - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
 - CD and CD/MP3 Section –
 - no mark : CD PLAY
 - MAIN Sections (3/3) –
 - no mark : FM
 - << >> : MW
 - () : SW-1
 - [] : SW-2
 - Other Sections –
 - no mark : TUNER
 - () : CD PLAY
 - [] : TAPE PLAY
 - { } : TAPE REC
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ◁ : FM
 - ➡ : AM (MW/SW)
 - ▷ : TAPE PLAY (DECK A)
 - ◻ : TAPE PLAY (DECK B)
 - ◻ : TAPE REC
 - ◻ : CD PLAY
 - ◻ : VIDEO
 - ➡ : AUX IN
- Abbreviation
 - E51 : Chilean and Peruvian models
 - MX : Mexican model
 - RU : Russian model

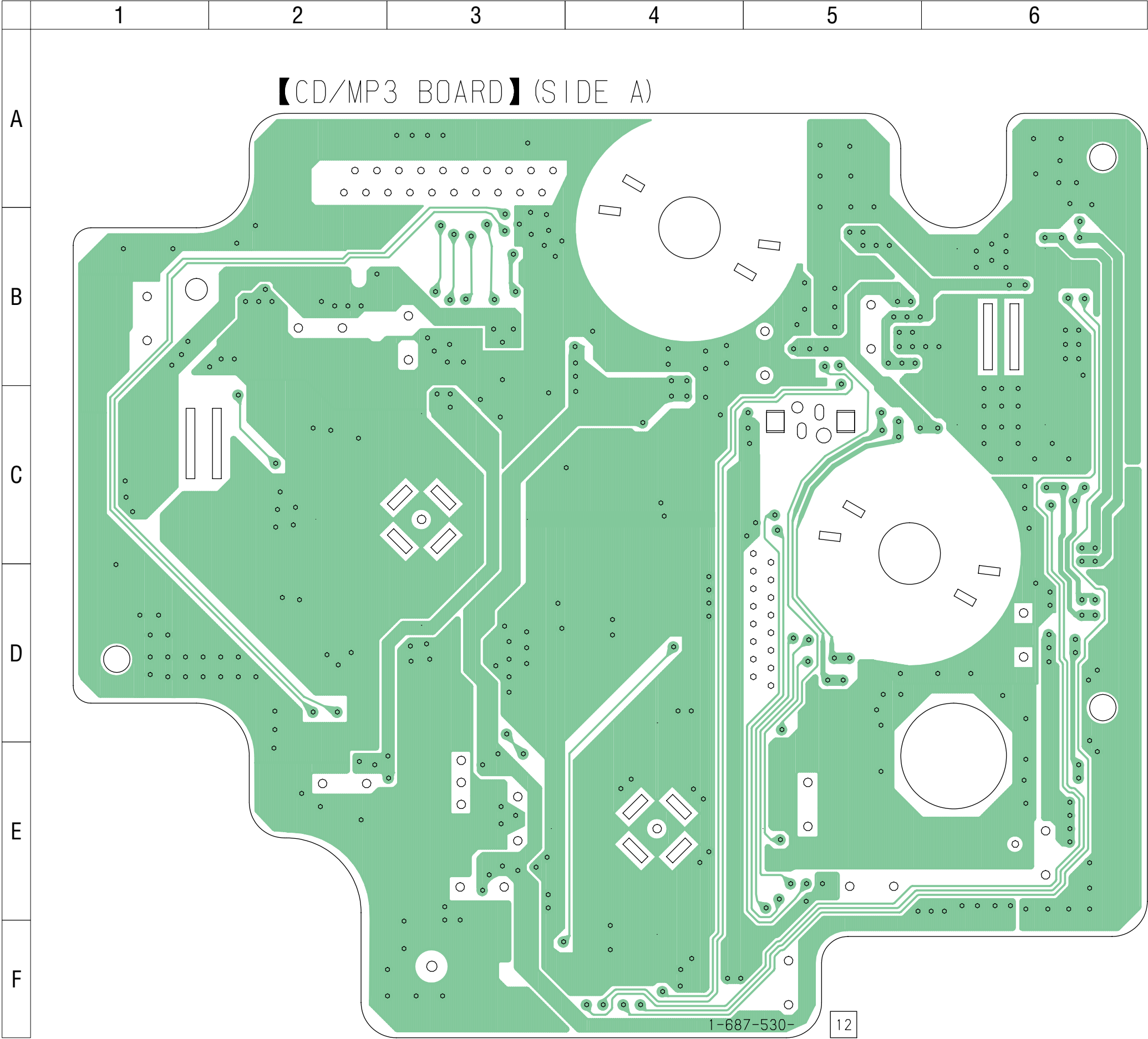
• Circuit Boards Location



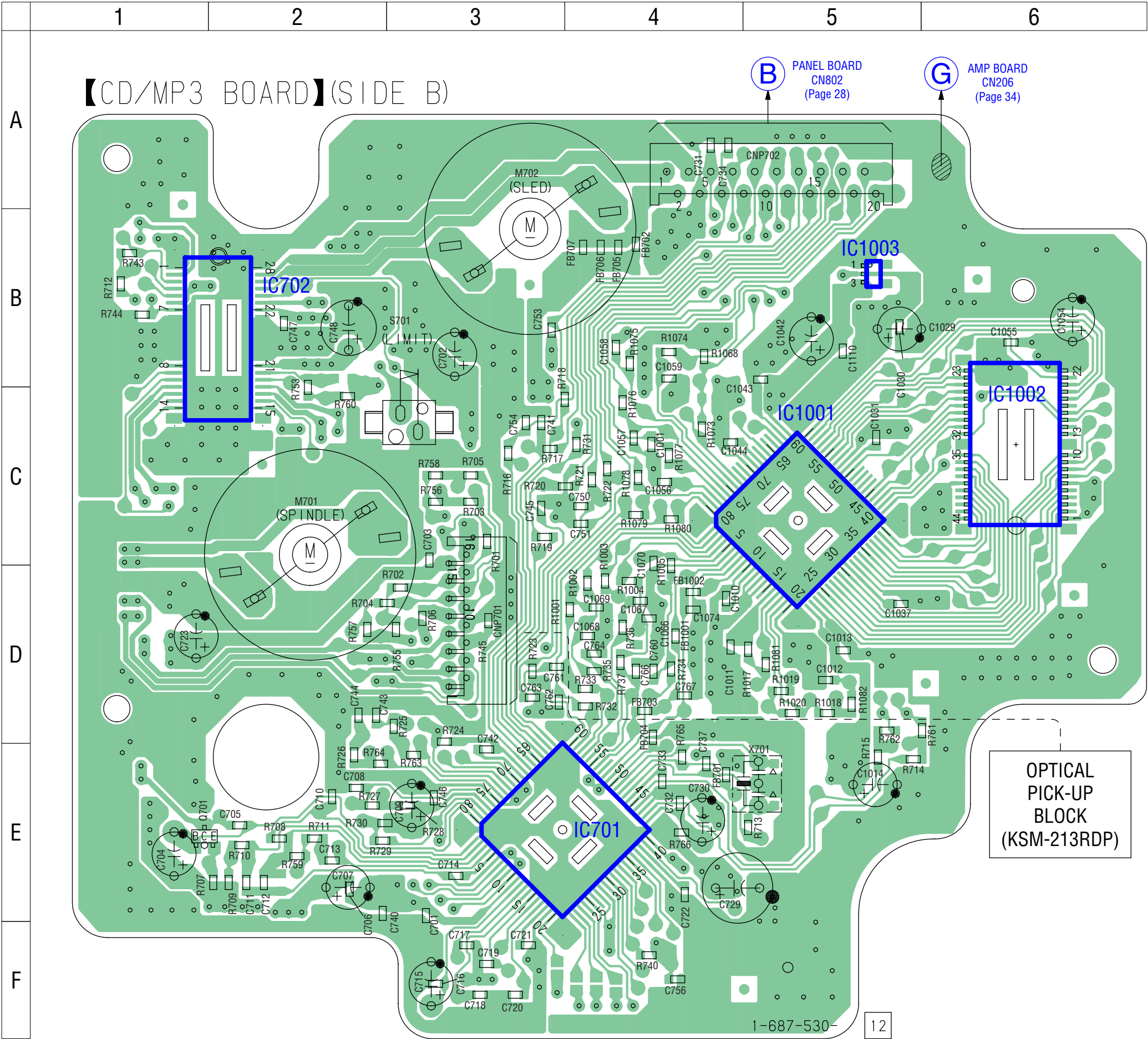
7-5. PRINTED WIRING BOARD – CD SECTION (J3000) – • : Uses unleaded solder. • See page 21 for Circuit Boards Location.

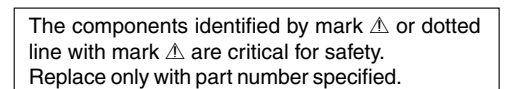






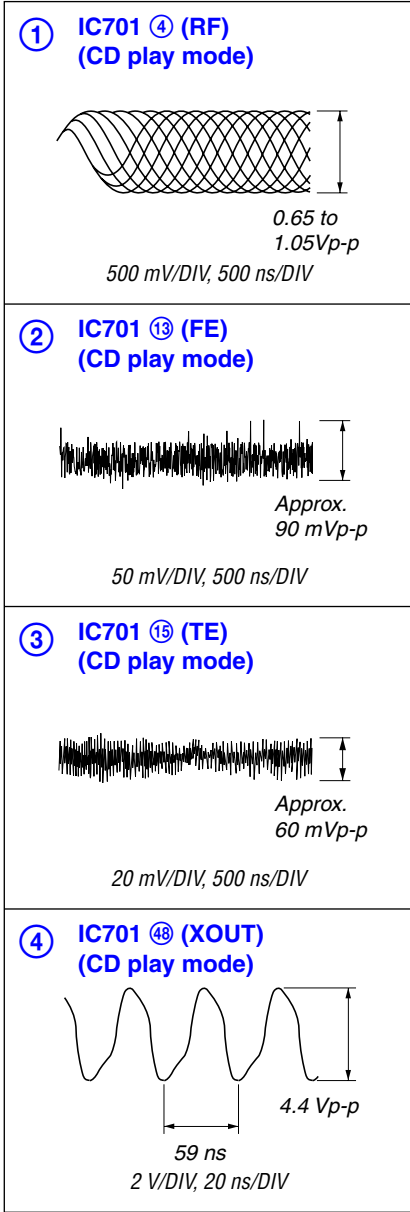
7-8. PRINTED WIRING BOARD – CD/MP3 SECTION (SIDE B) (J3000M) – • : Uses unleaded solder. • See page 21 for Circuit Boards Location.



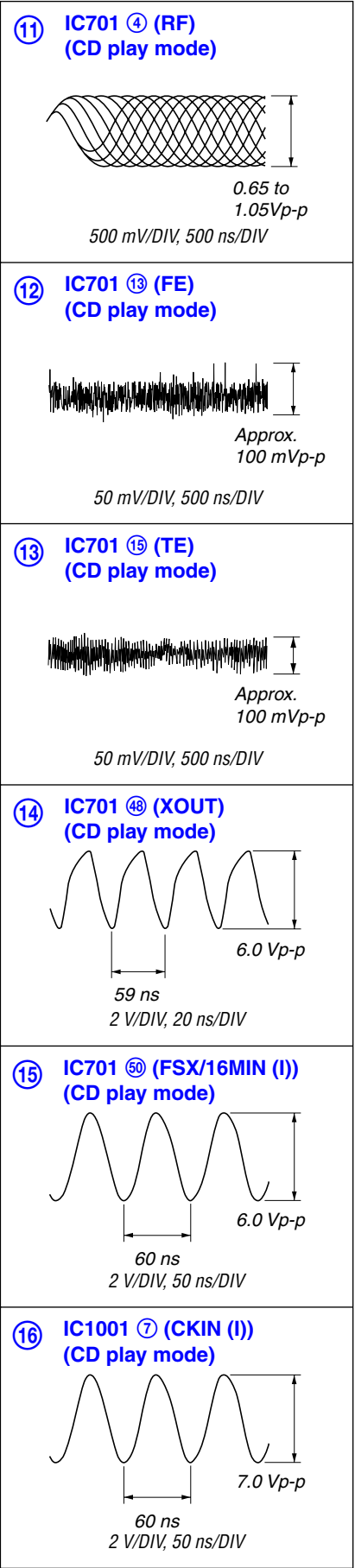


• Waveforms

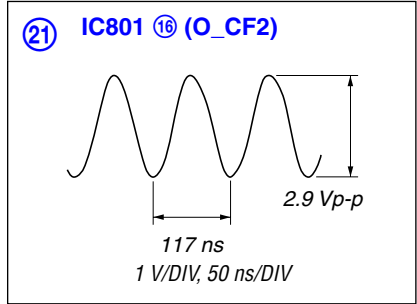
– CD Board (J3000 only) –



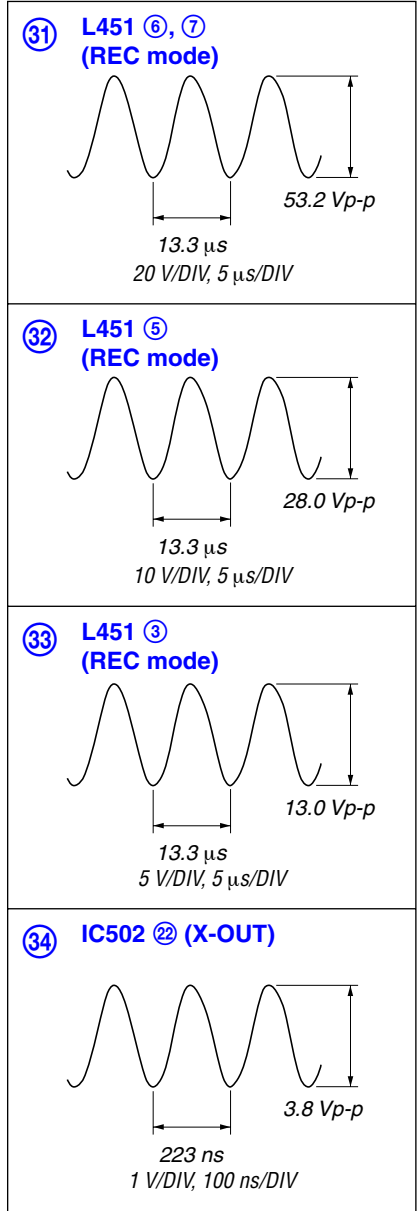
– CD/MP3 Board (J3000M only) –



– PANEL Board –

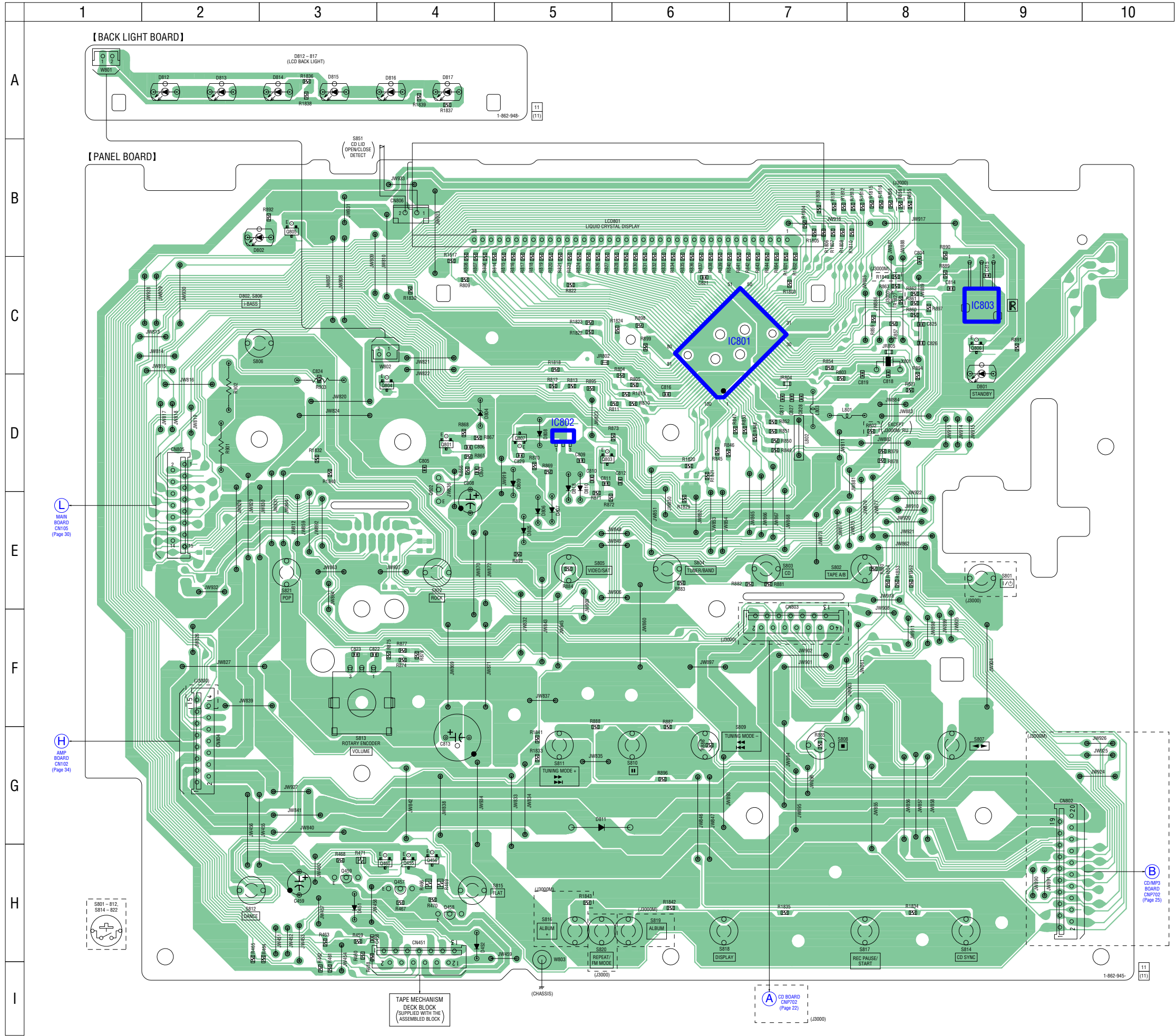


– MAIN Board –



7-10. PRINTED WIRING BOARDS – PANEL SECTION –

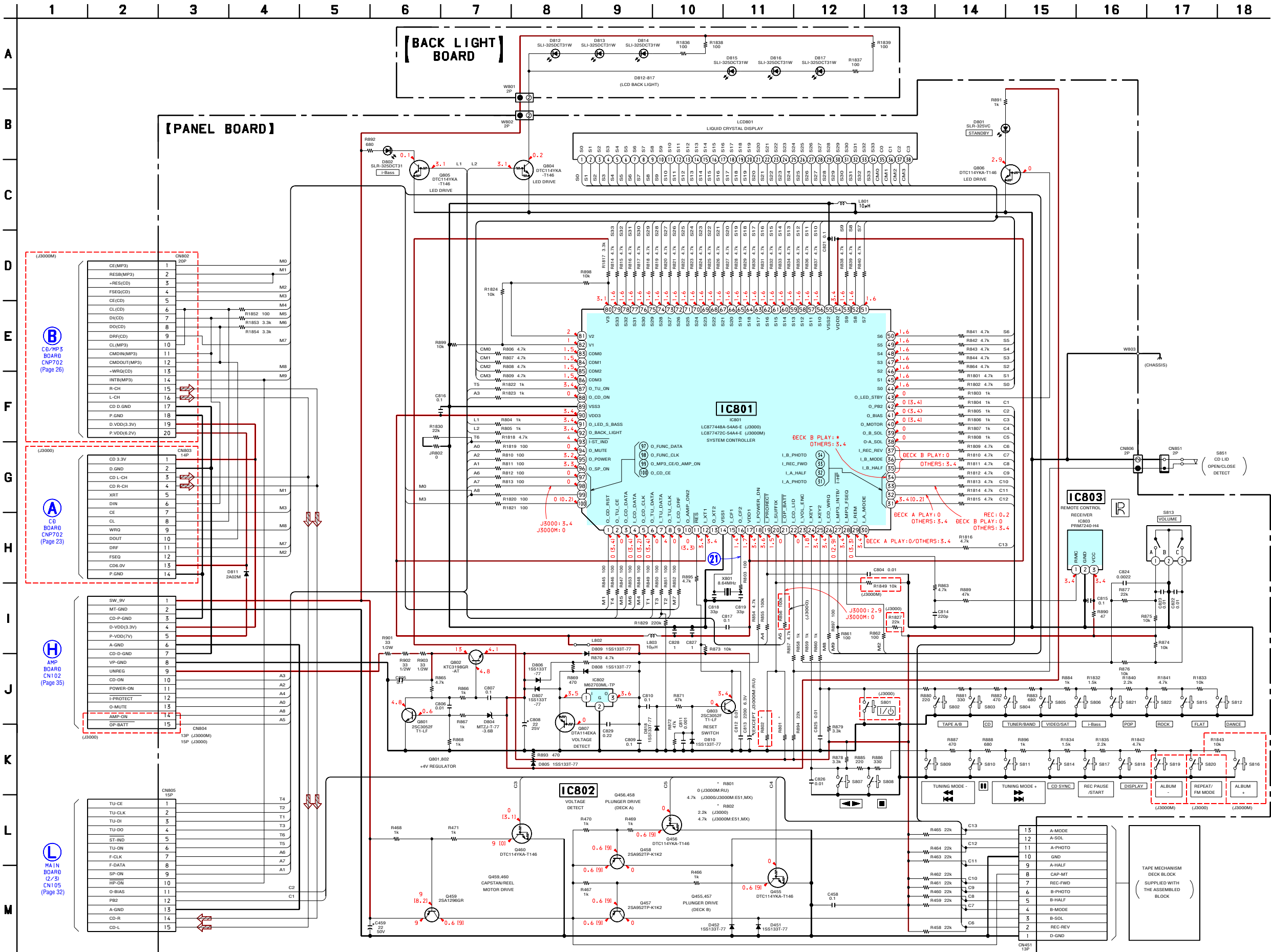
•  : Uses unleaded solder. • See page 21 for Circuit Boards Location.



• Semiconductor Location

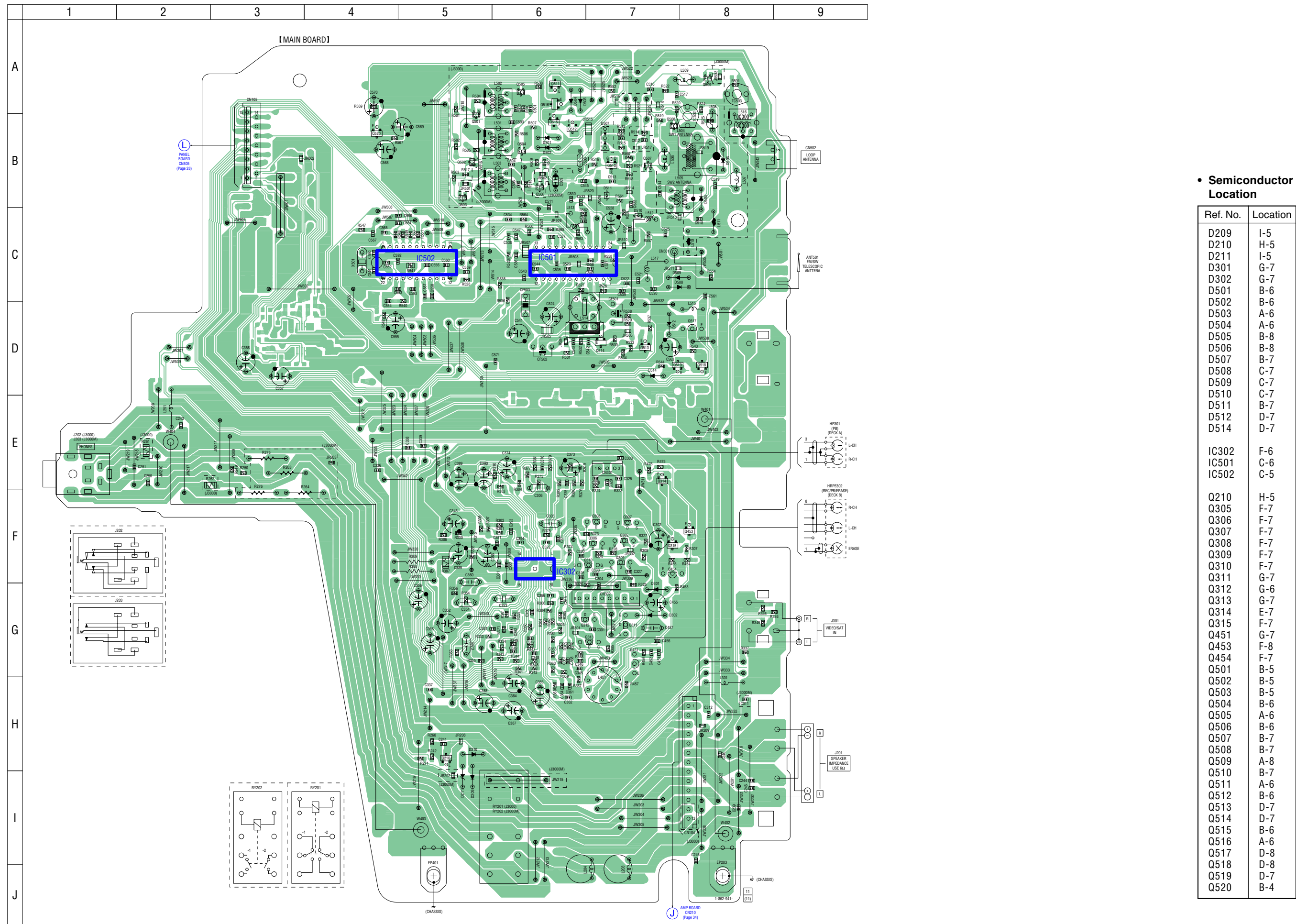
Ref. No.	Location
D451	H-3
D452	H-4
D801	C-9
D802	B-2
D804	D-4
D805	E-5
D806	E-5
D807	E-5
D808	D-5
D809	D-5
D810	D-5
D811	G-5
D812	A-2
D813	A-2
D814	A-3
D815	A-3
D816	A-4
D817	A-4
D818	D-5
IC801	C-7
IC802	D-5
IC803	C-9
Q455	H-4
Q456	H-4
Q457	H-4
Q458	H-4
Q459	H-3
Q460	H-4
Q801	D-4
Q802	D-4
Q803	D-5
Q804	D-4
Q805	B-3
Q806	C-9
Q807	D-5

7-11. SCHEMATIC DIAGRAM – PANEL SECTION – • See page 27 for Waveforms. • See page 43 for IC Pin Function Description.

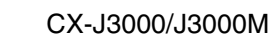


7-12. PRINTED WIRING BOARD – MAIN SECTION –

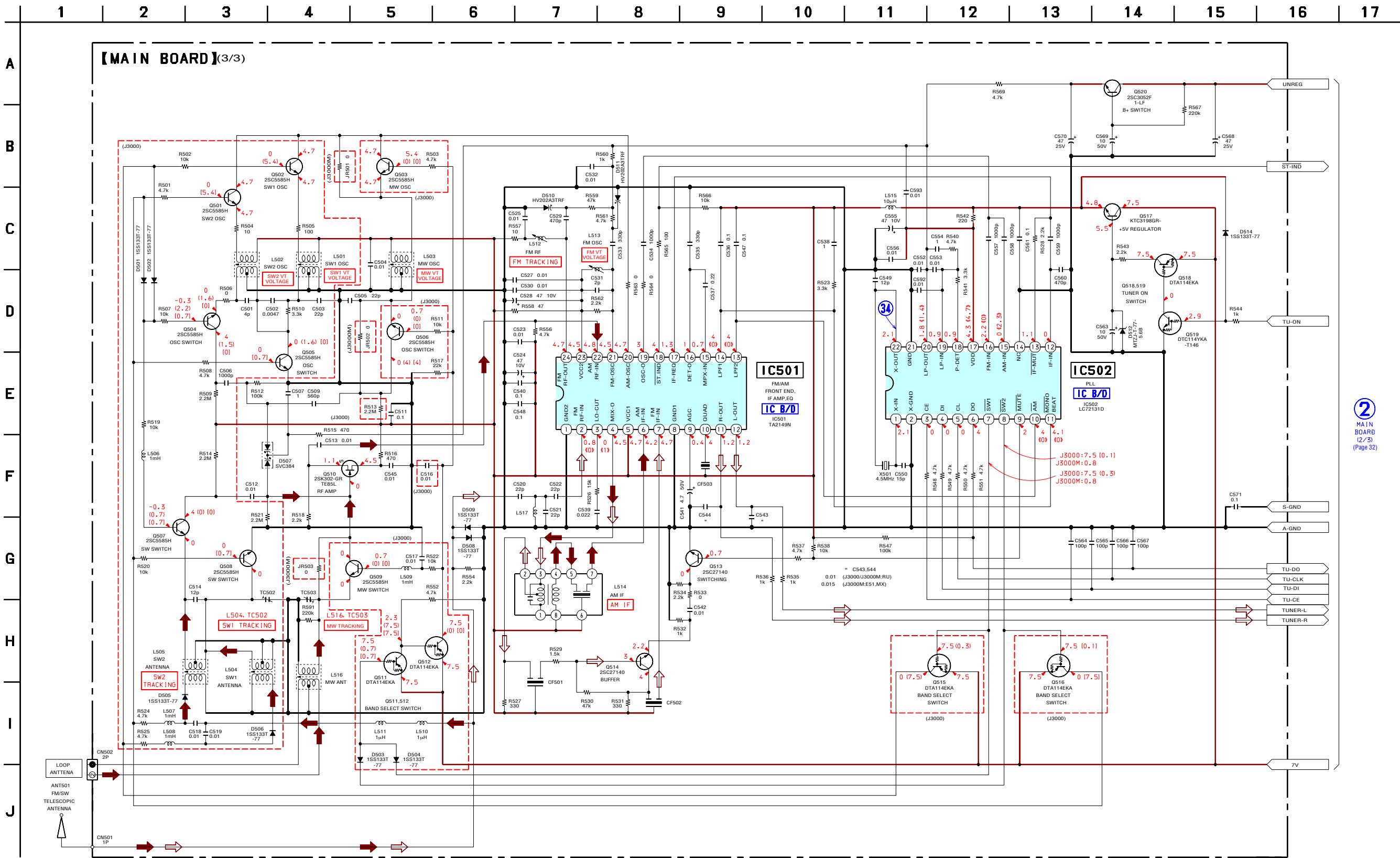
•  : Uses unleaded solder. • See page 21 for Circuit Boards Location.



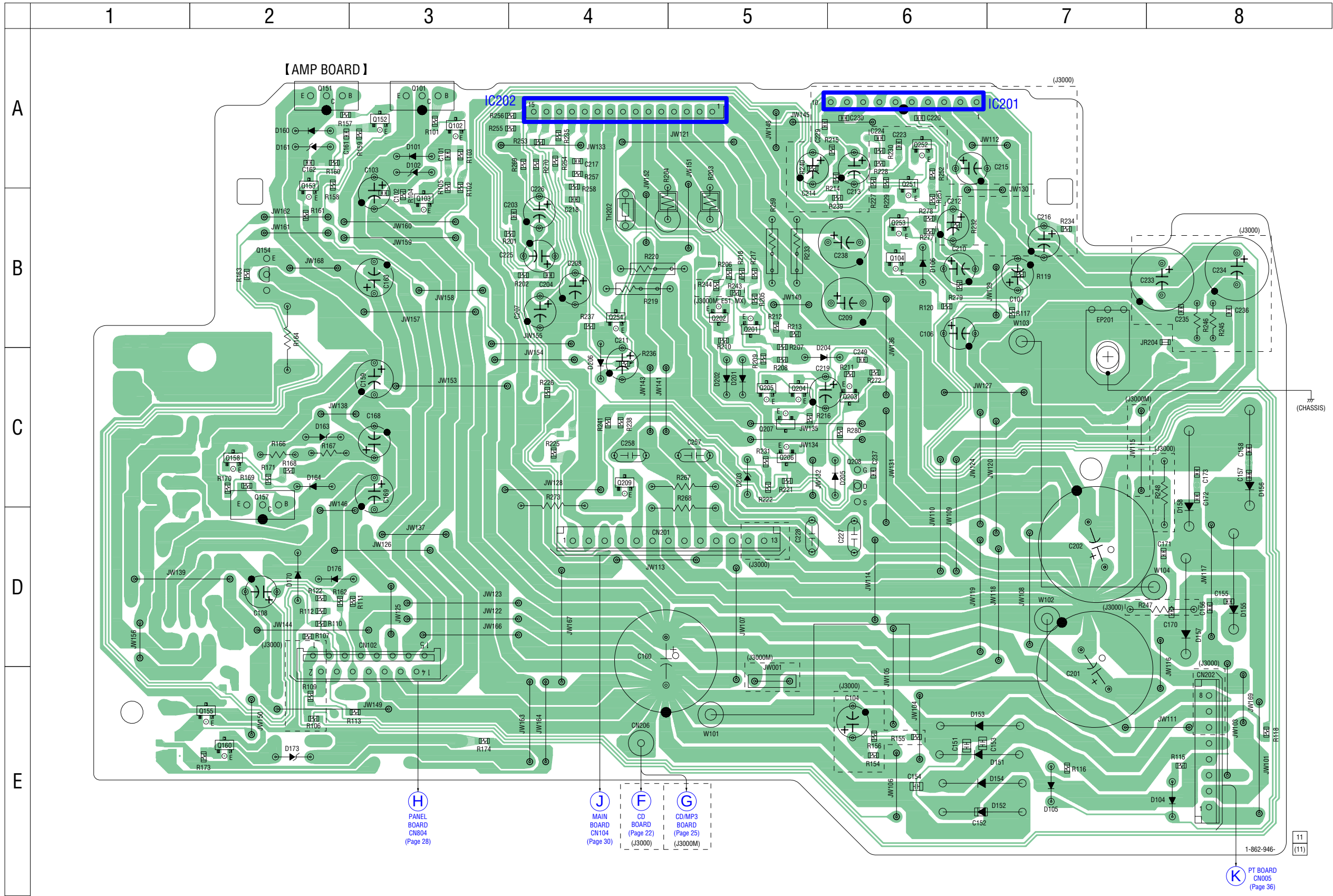




7-15. SCHEMATIC DIAGRAM – MAIN SECTION (3/3) – • See page 27 for Waveforms. • See page 38 for IC Block Diagrams.



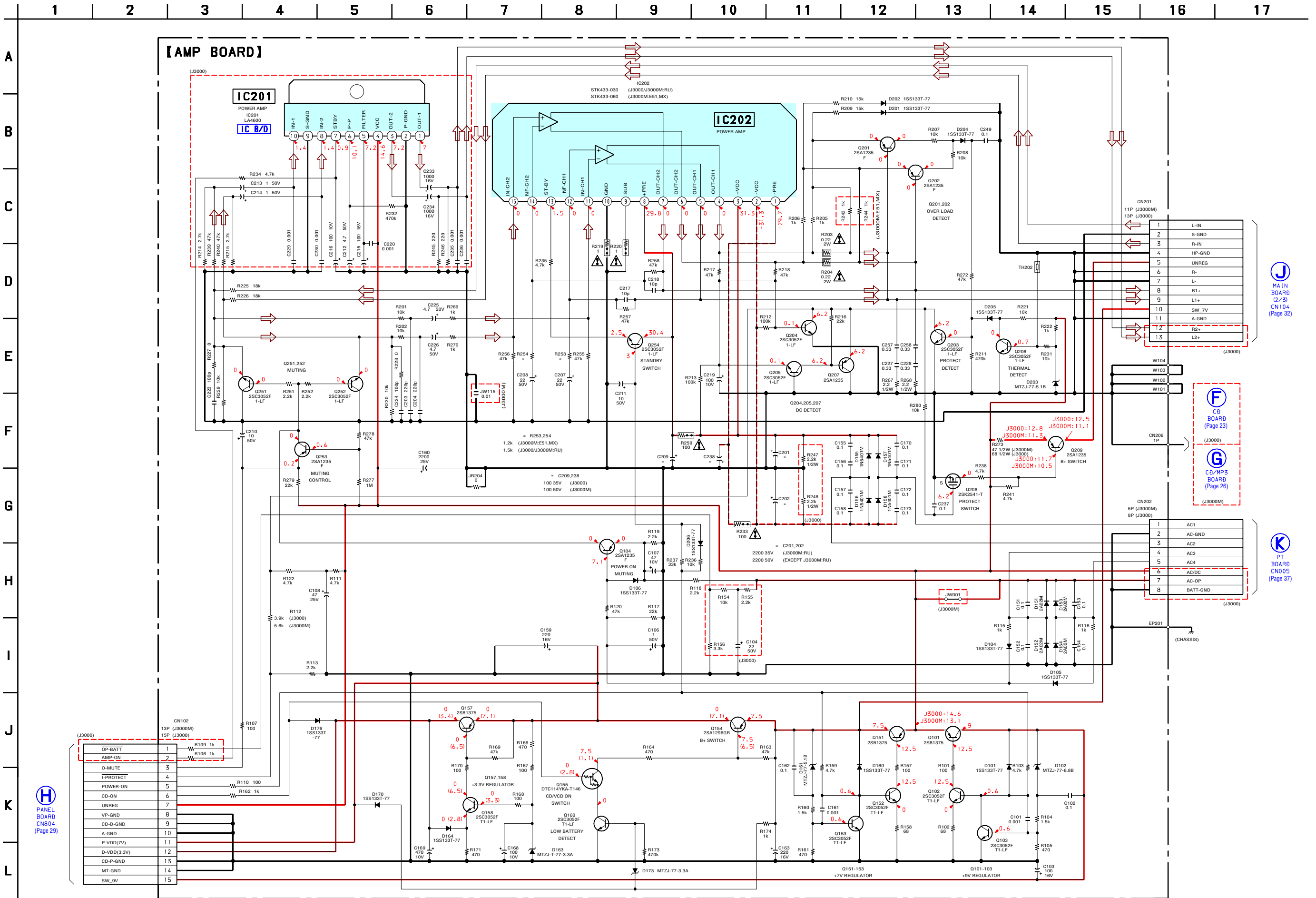
7-16. PRINTED WIRING BOARD – AMP SECTION – •  : Uses unleaded solder. • See page 21 for Circuit Boards Location.



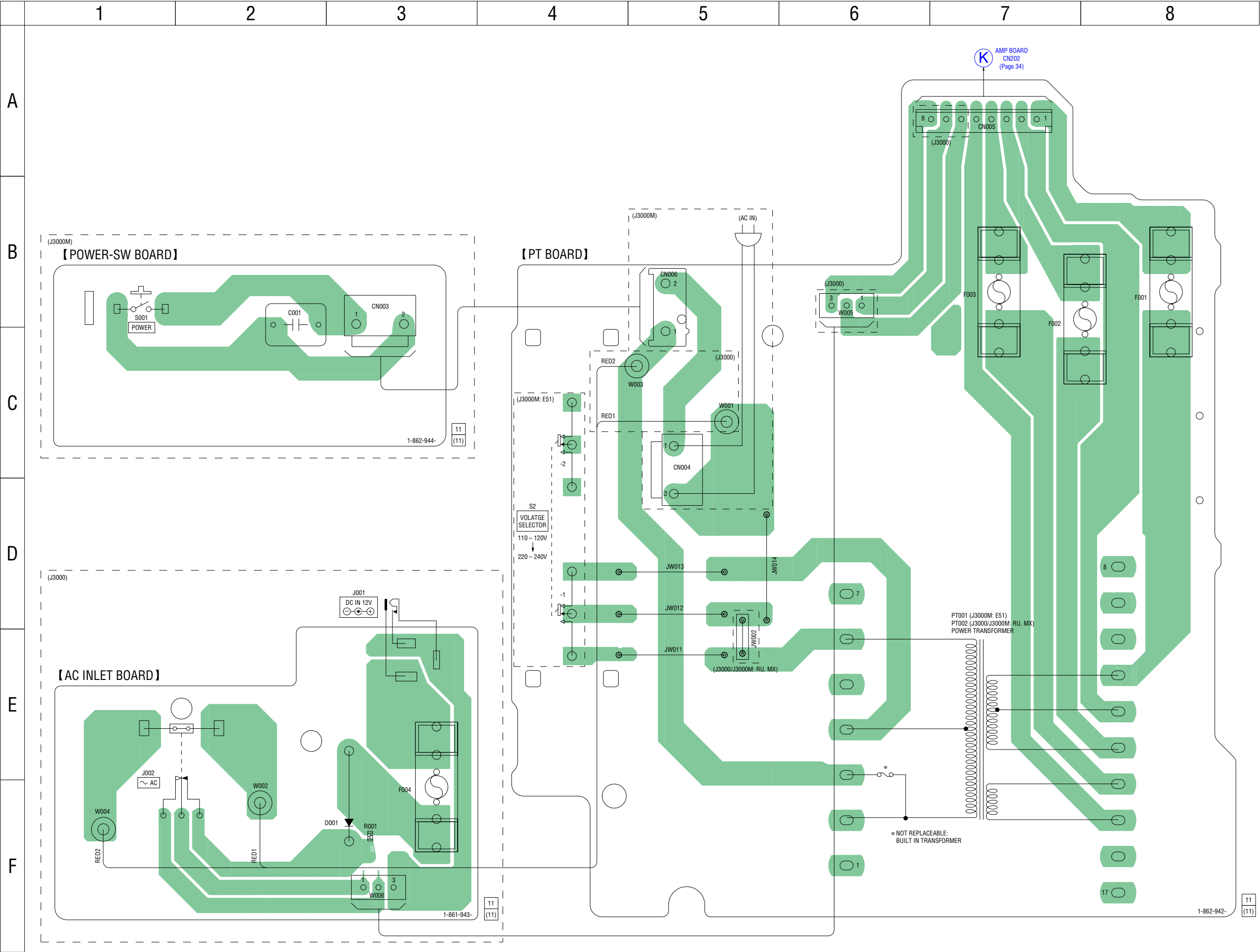
• Semiconductor Location

Ref. No.	Location
D101	A-3
D102	A-3
D104	E-8
D105	E-7
D106	B-6
D151	E-6
D152	E-6
D153	E-6
D154	E-6
D155	D-8
D156	C-8
D157	D-8
D158	C-8
D160	A-2
D161	A-2
D163	C-2
D164	C-2
D170	D-2
D173	E-2
D176	D-2
D201	C-5
D202	C-5
D203	C-5
D204	C-5
D205	C-6
D206	C-4
IC201	A-6
IC202	A-4
Q101	A-3
Q102	A-3
Q103	B-3
Q104	B-6
Q151	A-2
Q152	A-3
Q153	A-2
Q154	B-2
Q155	E-2
Q157	C-2
Q158	C-2
Q160	E-2
Q201	B-5
Q202	B-5
Q203	C-6
Q204	C-5
Q205	C-5
Q206	C-5
Q207	C-5
Q208	C-6
Q209	C-4
Q251	A-6
Q252	A-6
Q253	B-6
Q254	B-4

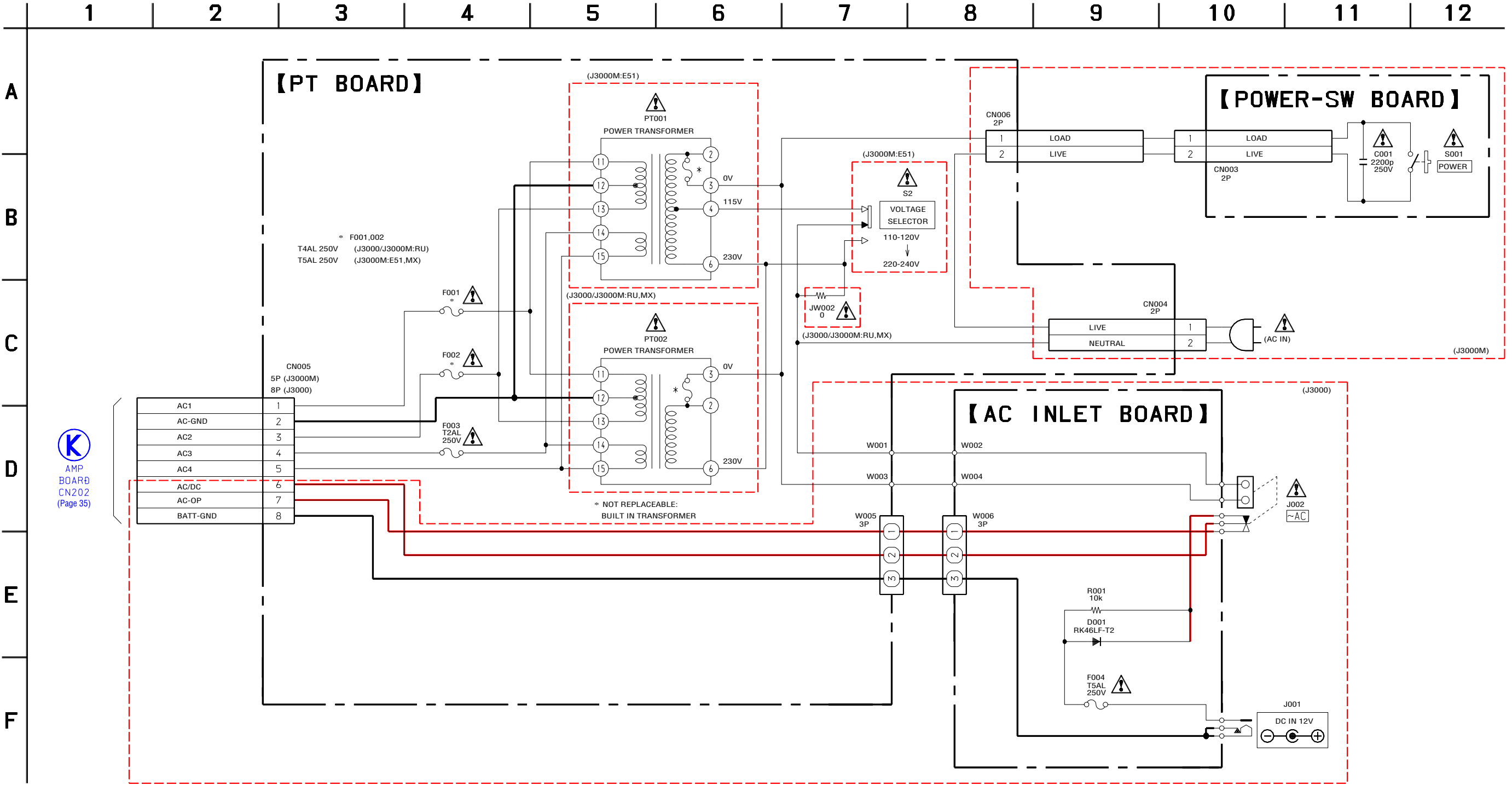
7-17. SCHEMATIC DIAGRAM – AMP SECTION – • See page 38 for IC Block Diagrams.



The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

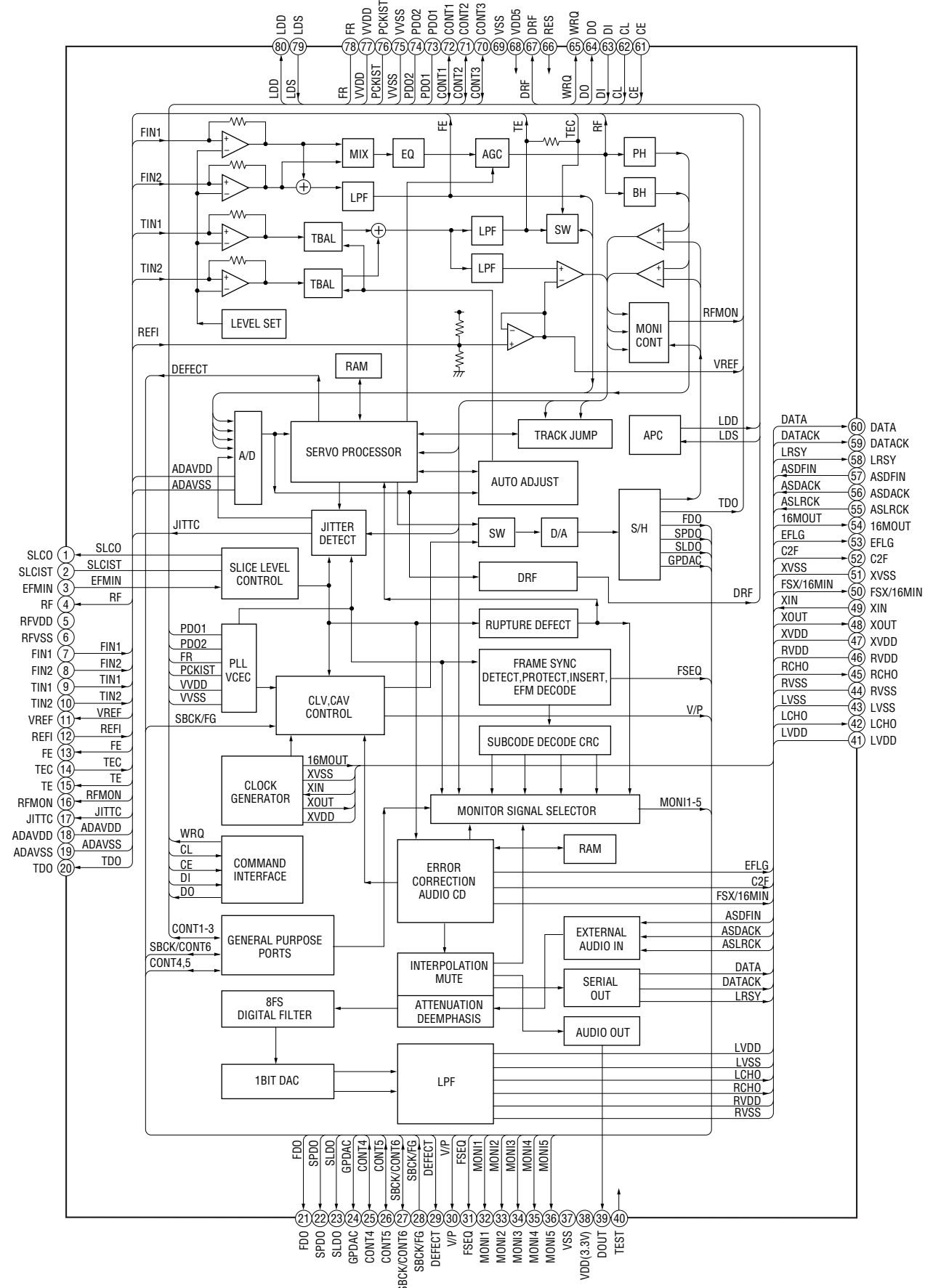
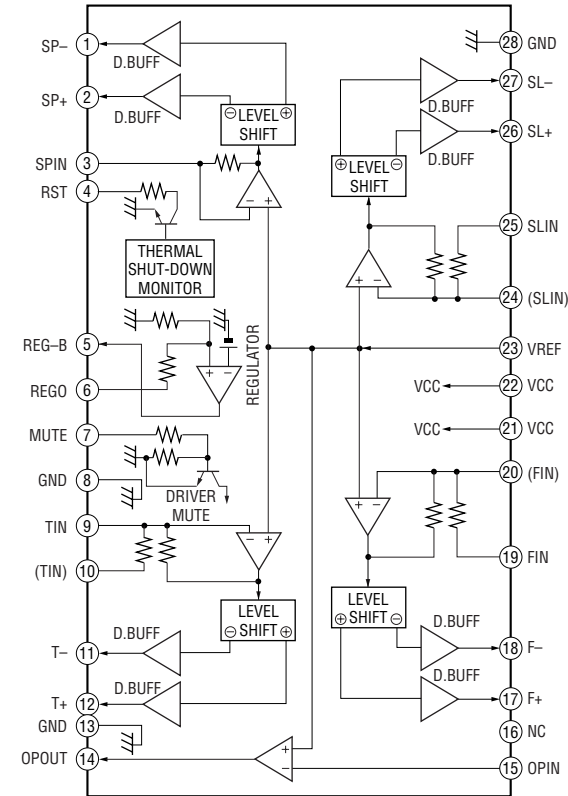


7-19. SCHEMATIC DIAGRAM – POWER SUPPLY SECTION –



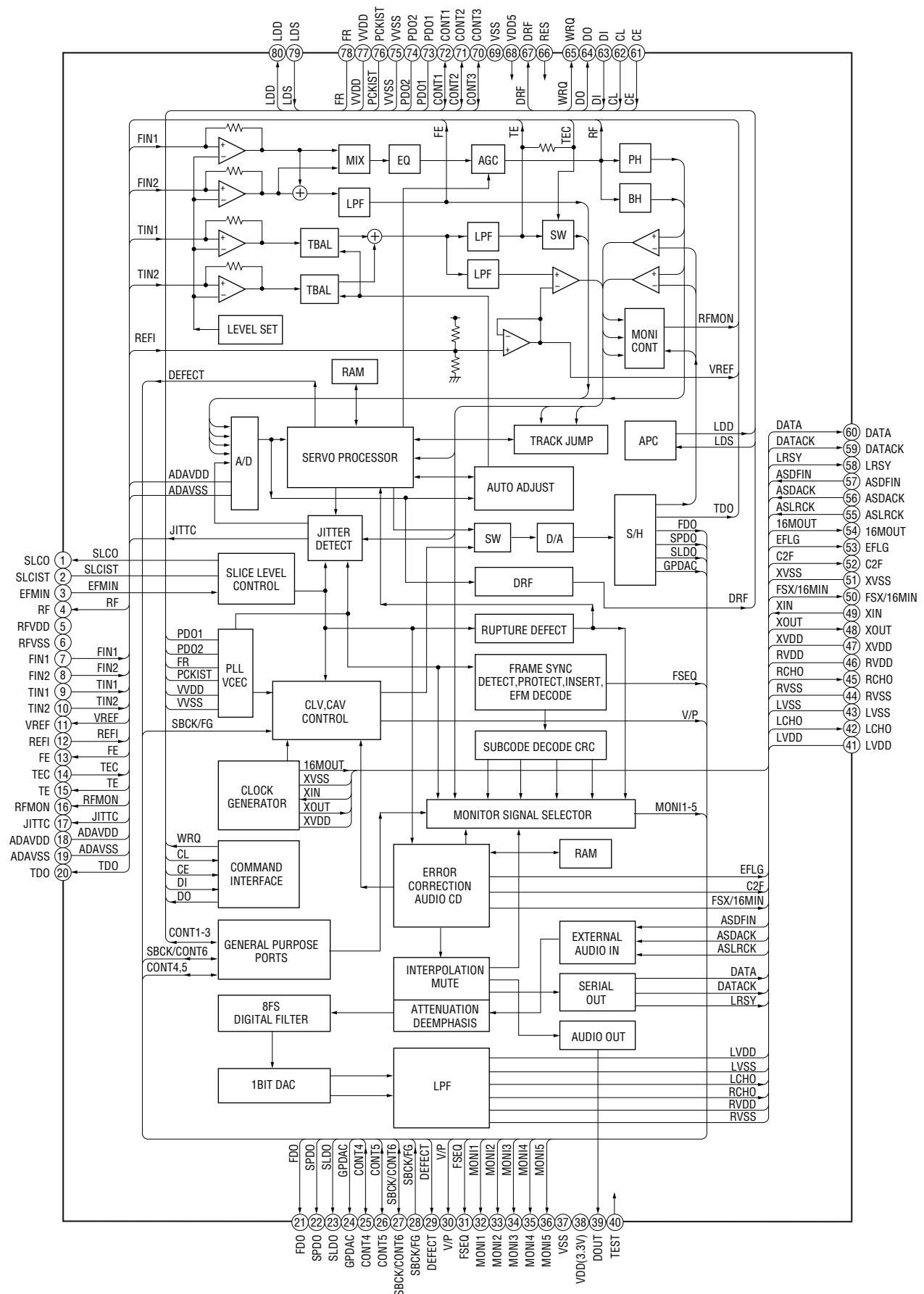
The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

IC701 LC78646E-E

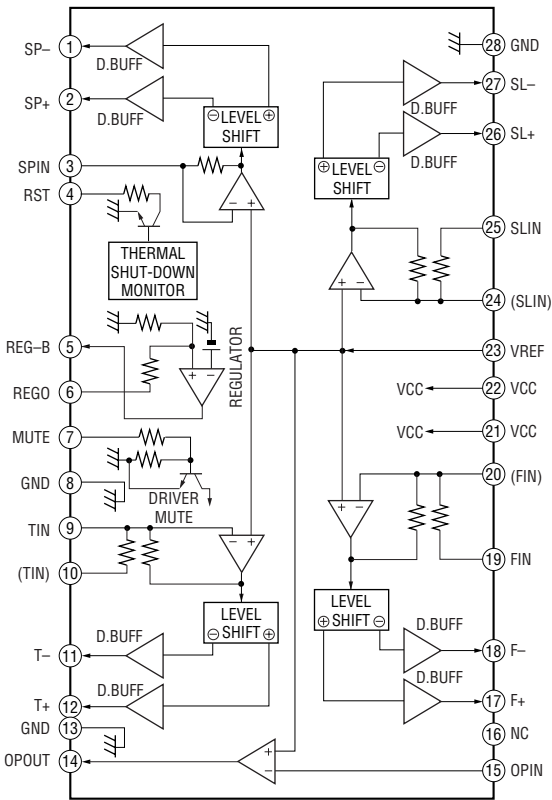
**IC702 BA5826FP-E2**

– CD/MP3 Board –

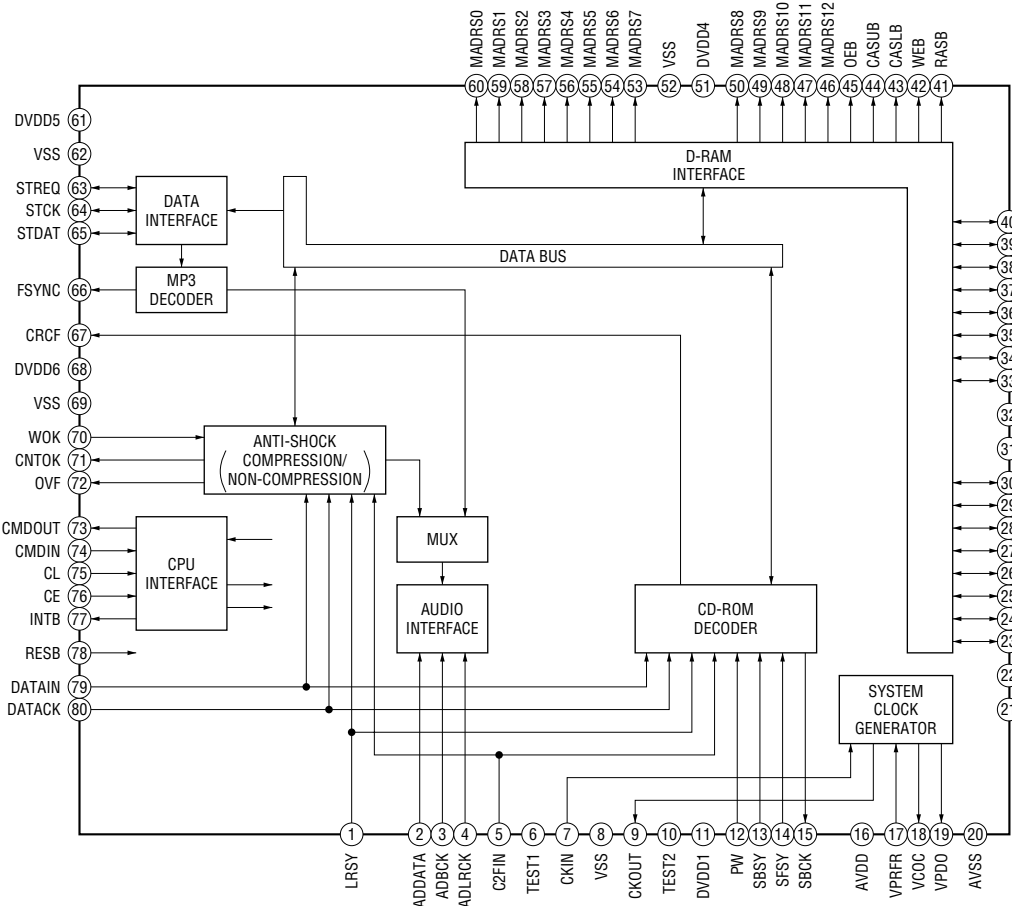
IC701 LC78646E-E



IC702 BA5826FP-E2

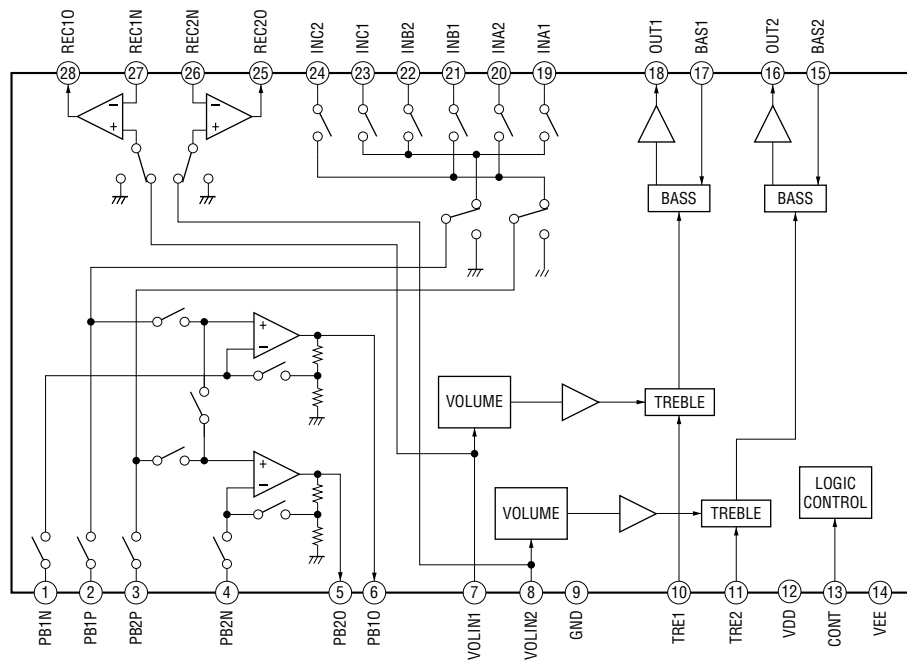


IC1001 LC78684E-E

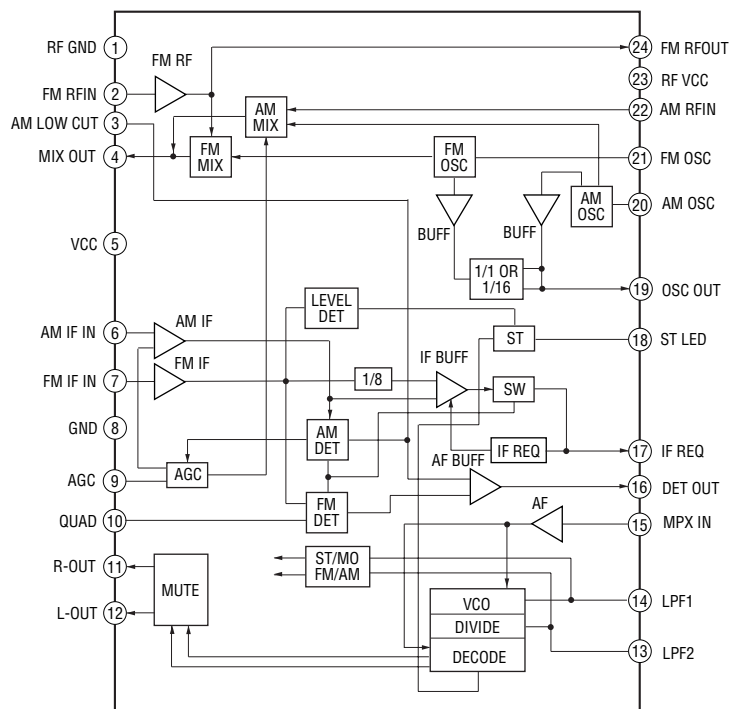


– MAIN Board –

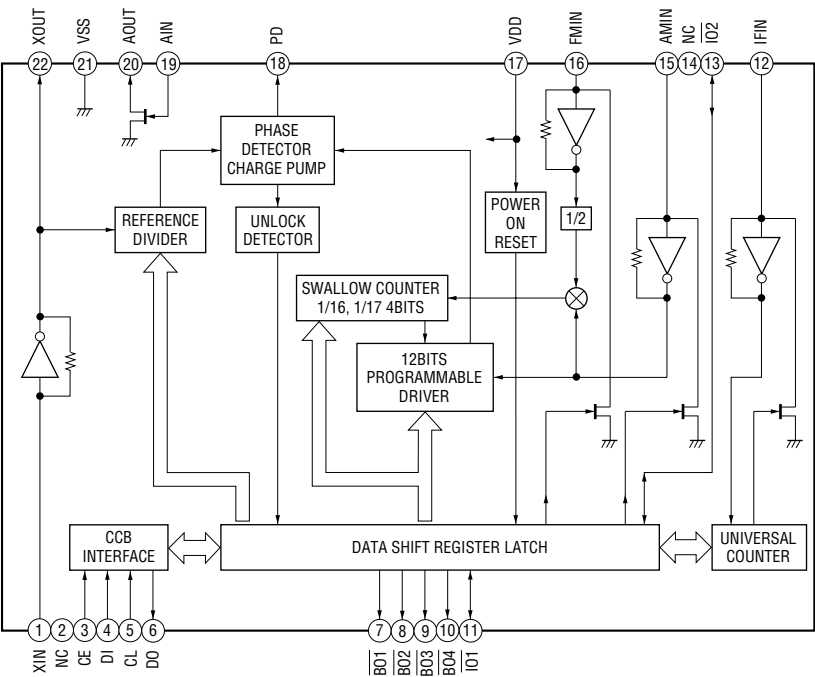
IC302 BD3881FV



IC501 TA2149N

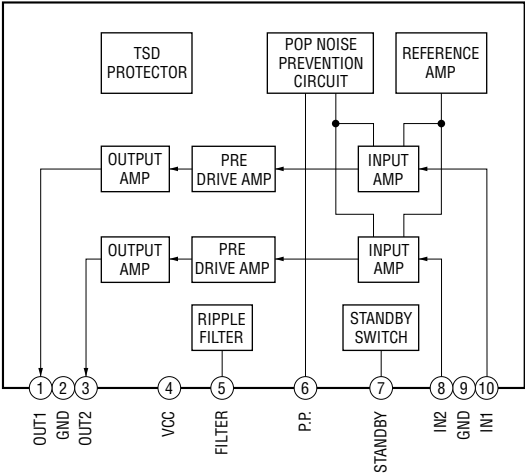


IC502 LC72131D



– AMP Board –

IC201 LA4600



• IC Pin Function Description

PANEL BOARD IC801 (SYSTEM CONTROLLER)

LC877448A-54A6-E (CX-J3000)

LC8774725C-54A4-E (CX-J3000M)

Pin No.	Pin Name	I/O	Description
1	O_CD_RST	O	Reset signal output to the CD DSP "L": reset (CX-J3000) Reset signal output to the CD DSP and MP3 decoder "L": reset (CX-J3000M)
2	O_TU_CE	O	Chip enable signal output to the PLL
3	O_CD_DATA	O	Serial data output to the CD DSP (CX-J3000) Serial data output to the CD DSP and MP3 decoder (CX-J3000M)
4	I_CD_DATA	I	Serial data input from the CD DSP (CX-J3000) Serial data input from the CD DSP and MP3 decoder (CX-J3000M)
5	O_CD_CLK	O	Serial clock signal output to the CD DSP (CX-J3000) Serial clock signal output to the CD DSP and MP3 decoder (CX-J3000M)
6	O_TU_DATA	O	Serial data output to the PLL
7	I_TU_DATA	I	Serial data input from the PLL
8	O_TU_CLK	O	Serial clock signal output to the PLL
9	I_CD_DRF	I	DRF signal input from the CD DSP
10	O_AMP_ON2	O	Not used
11	$\overline{\text{RES}}$	I	Reset signal input terminal "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
12	I_XT1	I	Not used
13	O_XT2	O	Not used
14	VSS1	–	Ground terminal
15	I_CF1	I	Main system clock input terminal (8.64 MHz)
16	O_CF2	O	Main system clock output terminal (8.64 MHz)
17	VDD1	–	Power supply terminal (+3.3V)
18	I_POWER_DN	I	Power down monitor input terminal "L": power down
19	$\overline{\text{I_PROTECT}}$	I	Abnormal voltage monitor input terminal (A/D input)
20	I_SUFFIX	I	Destination setting terminal (A/D input)
21	$\overline{\text{I_OP_BATT}}$	I	Battery drive detection signal input terminal "L": DC power, "H": AC power (CX-J3000 only)
22	I_CD_LID	I	CD lid open/close detection signal input terminal "L": CD lid is closed, "H": CD lid is opened
23	I_VOL_ENC	I	Jog dial pulse input from the rotary encoder (VOLUME)
24, 25	I_KEY1, I_KEY2	I	Front panel key input terminal (A/D input)
26	I_CD_WRQ	I	WRQ signal input from the CD DSP
27	I_MP3_INTB/ I-HP	I	Headphone in detection signal input terminal "L": headphone in (CX-J3000) INTB signal input from the MP3 decoder (CX-J3000M)
28	I_CD_FSEQ	I	FSEQ signal input from the CD DSP
29	I_REM	I	Remote control signal input from the remote control receiver
30	I_A_MODE	I	Deck A mode detect switch input from the tape mechanism deck block "L": Deck A mode
31	I_A_PHOTO	I	Deck A side photo sensor detection signal input from the tape mechanism deck block
32	I_A_HALF	I	Deck A side cassette in detect switch input from the tape mechanism deck block "L": cassette in
33	I_REC_FWD	I	Recording-proof (forward direction) detection signal input from the tape mechanism deck block "L": recording possible
34	I_B_PHOTO	I	Deck B side photo sensor detection signal input from the tape mechanism deck block

Pin No.	Pin Name	I/O	Description
35	I_B_HALF	I	Deck B side cassette in detect switch input from the tape mechanism deck block “L”: cassette in
36	I_B_MODE	I	Deck B mode detect switch input from the tape mechanism deck block “L”: Deck B mode
37	I_REC_REV	I	Recording-proof (reverse direction) detection signal input from the tape mechanism deck block “L”: recording possible
38	O_A_SOL	O	Deck-A side solenoid control signal output terminal “H”: solenoid on
39	O_B_SOL	O	Deck-B side solenoid control signal output terminal “H”: solenoid on
40	O_MOTOR	O	Capstan/reel motor drive signal output terminal “H”: motor on
41	O_BIAS	O	Recording bias on/off control signal output terminal “H”: bias on
42	O_PB2	O	Deck A/B selection signal output terminal “L”: deck A, “H”: deck B
43	O_LED_STBY	O	LED drive signal output of the STANDBY indicator “H”: LED on
44 to 53	S0 to S9	O	Segment drive signal output to the liquid crystal display
54	VDD2	–	Power supply terminal (+3.3V)
55	VSS2	–	Ground terminal
56 to 79	S10 to S33	O	Segment drive signal output to the liquid crystal display
80 to 82	V3 to V1	I	Liquid crystal display drive voltage input terminal
83 to 86	COM0 to COM3	O	Common drive signal output to the liquid crystal display
87	O_TU_ON	O	Power supply on/off control signal output for the tuner section “H”: power on
88	O_CD_ON	O	Power supply on/off control signal output for the CD section “H”: power on
89	VSS3	–	Ground terminal
90	VDD3	–	Power supply terminal (+3.3V)
91	O_LED_S_BASS	O	LED drive signal output of the i-Bass indicator “H”: LED on
92	O_LED_BACK_LIGHT	O	LED drive signal output of the liquid crystal display back light indicator “H”: LED on
93	I_ST_IND	I	Tuner stereo detection signal input from the FM/AM front end “L”: stereo, “H”: mono
94	O_MUTE	O	Muting on/off control signal output terminal “H”: muting on
95	O_POWER	O	Power on/off control signal output terminal “H”: power on
96	O_SP_ON	O	Speaker protect relay drive signal output terminal “H”: relay on
97	O_FUNC_DATA	O	Control signal output to the function switch
98	O_FUNC_CLK	O	Control signal output to the function switch
99	O_MP3_CE/ O_AMP_ON	O	Amplifier on/off control signal output to the power amplifier “H”: amplifier on (CX-J3000) Chip select signal output to the MP3 decoder (CX-J3000M)
100	O_CD_CE	O	Chip select signal output to the CD DSP

SECTION 8 EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) . . . (RED)

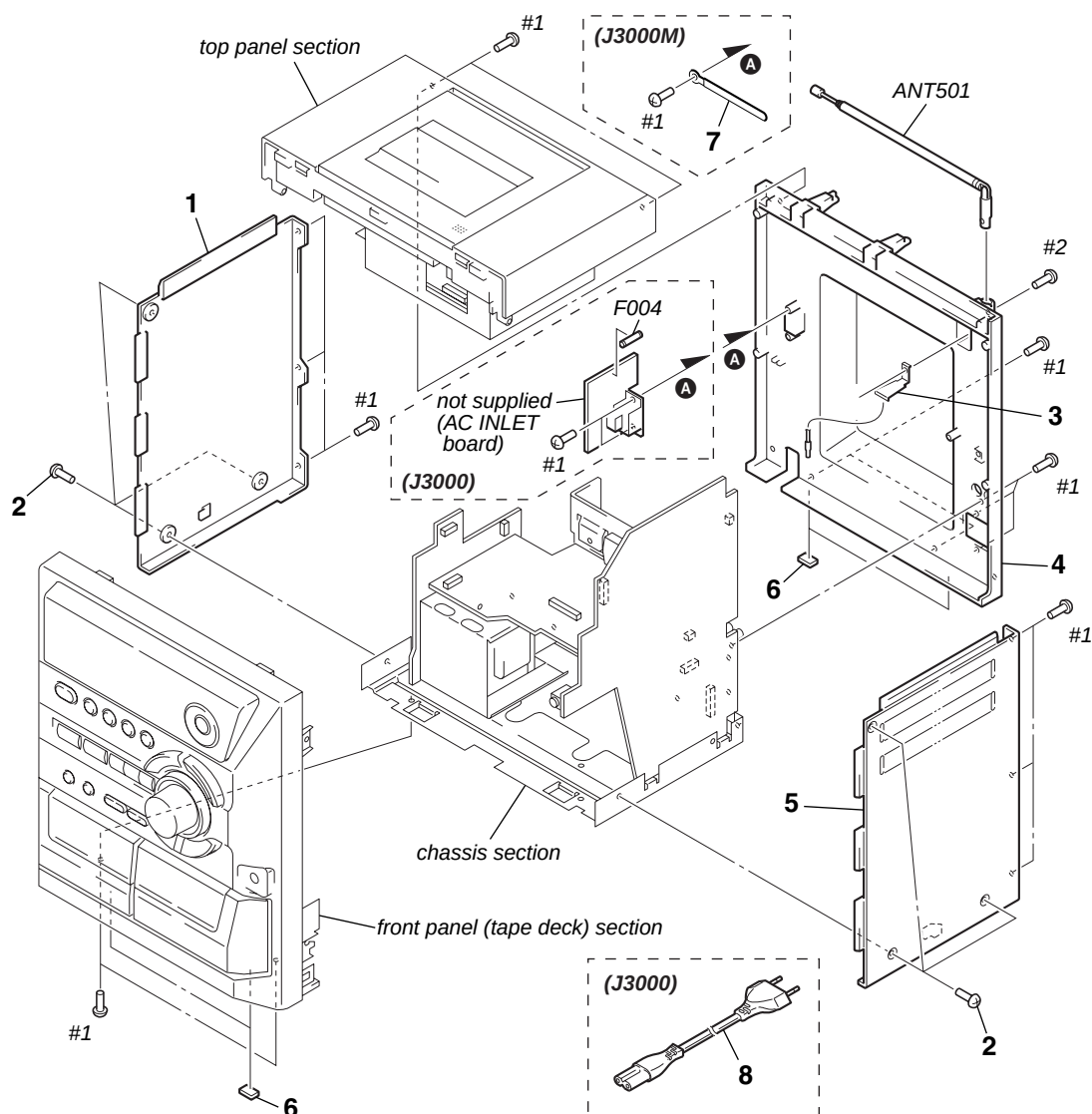
↑
Parts Color

↑
Cabinet's Color
- Abbreviation
E51 : Chilean and Peruvian models
MX : Mexican model
RU : Russian model

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

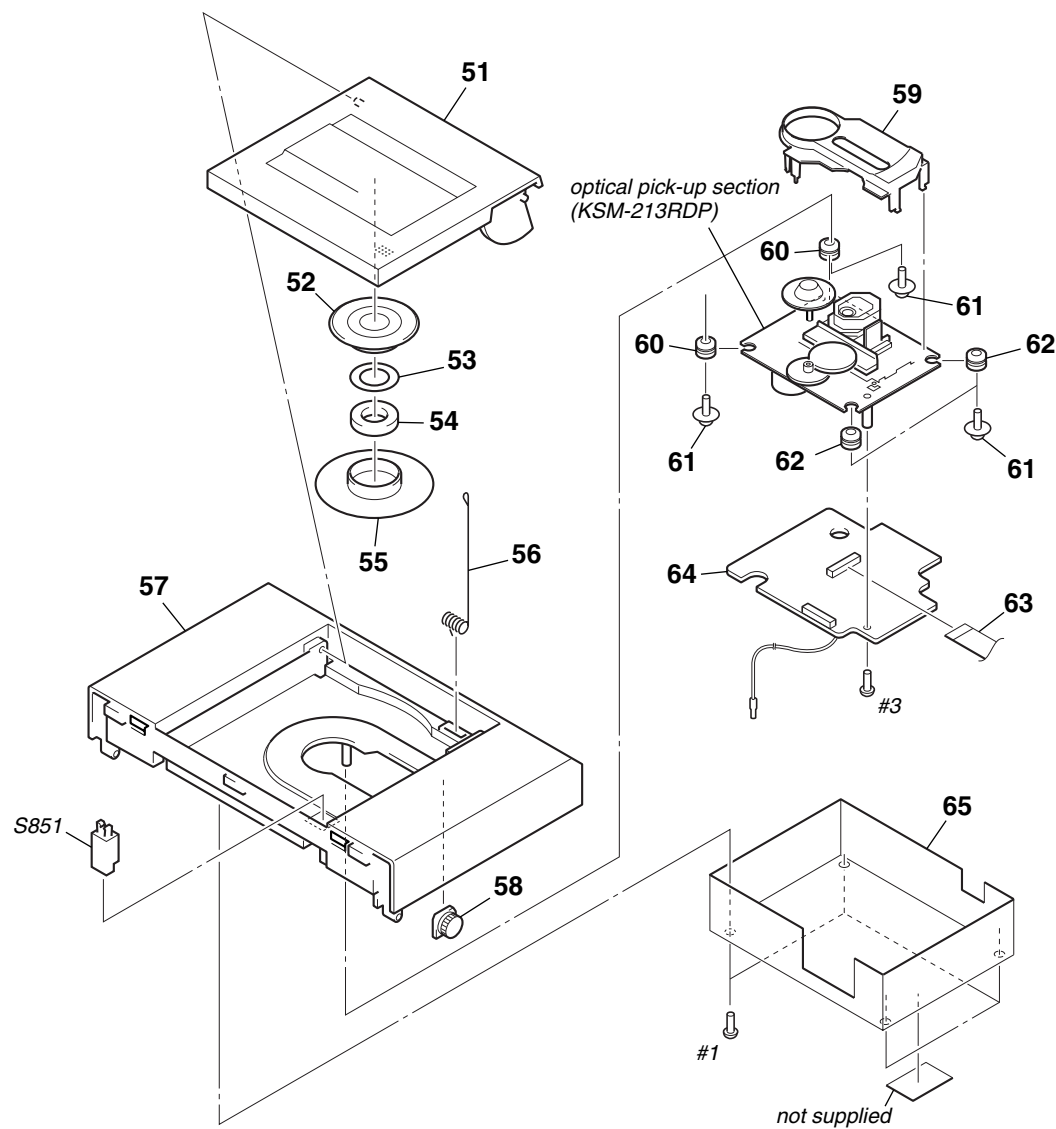
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

8-1. BACK/SIDE PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-067-368-01	PANEL (L), SIDE		6	4-233-980-11	RUBBER FOOT	
2	3-363-099-32	SCREW (CASE 3 TP2)		* 7	3-703-150-11	CLAMP (J3000M)	
* 3	3-260-105-01	BRACKET, ANTENNA		Δ 8	1-769-412-22	CORD, POWER (J3000)	
4	2-067-371-02	PANEL, BACK (J3000M: RU)		ANT501	1-754-309-11	ANTENNA, ROD	
4	2-067-371-22	PANEL, BACK (J3000)		Δ F004	1-532-505-51	FUSE (T5AL/250V) (J3000)	
4	2-067-371-72	PANEL, BACK (J3000M: MX)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
4	2-067-371-82	PANEL, BACK (J3000M: E51)		#2	7-685-873-09	SCREW +BVTT 3X10 (S)	
5	2-067-369-01	PANEL (R), SIDE					

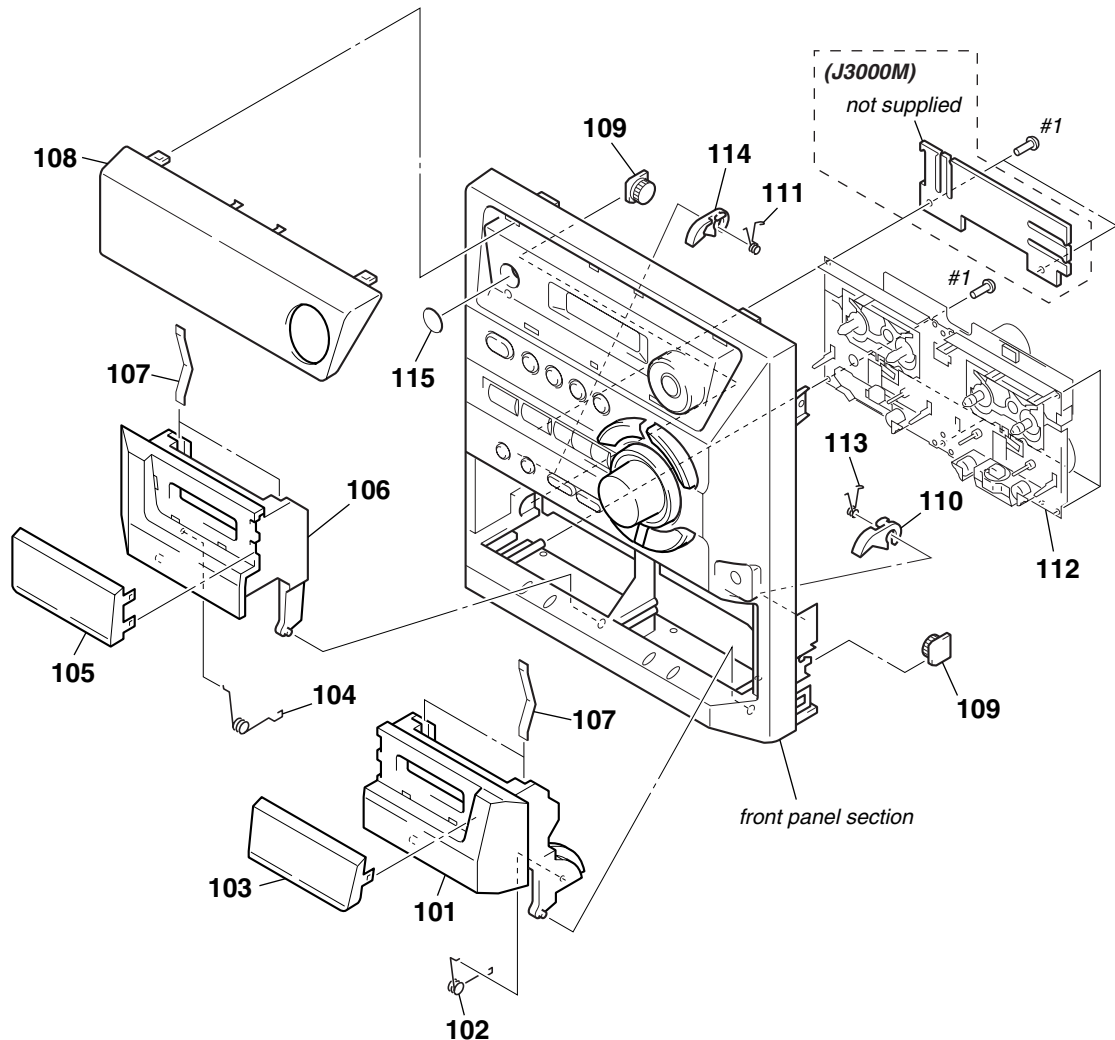
8-2. TOP PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	2-067-370-01	PANEL, CD	
52	3-260-087-01	CHUCKING, PLATE	
53	3-260-103-01	BRACKET, MAGNET	
54	1-471-248-11	MAGNET	
55	3-260-096-01	CHUCKING, BASE	
56	3-260-101-01	SPRING, CD	
57	2-067-367-02	PANEL, TOP	
58	4-242-171-01	DAMPER 150 N	
59	3-923-736-01	COVER, CD	
60	3-931-379-21	RUBBER, VIBRATION PROOF	

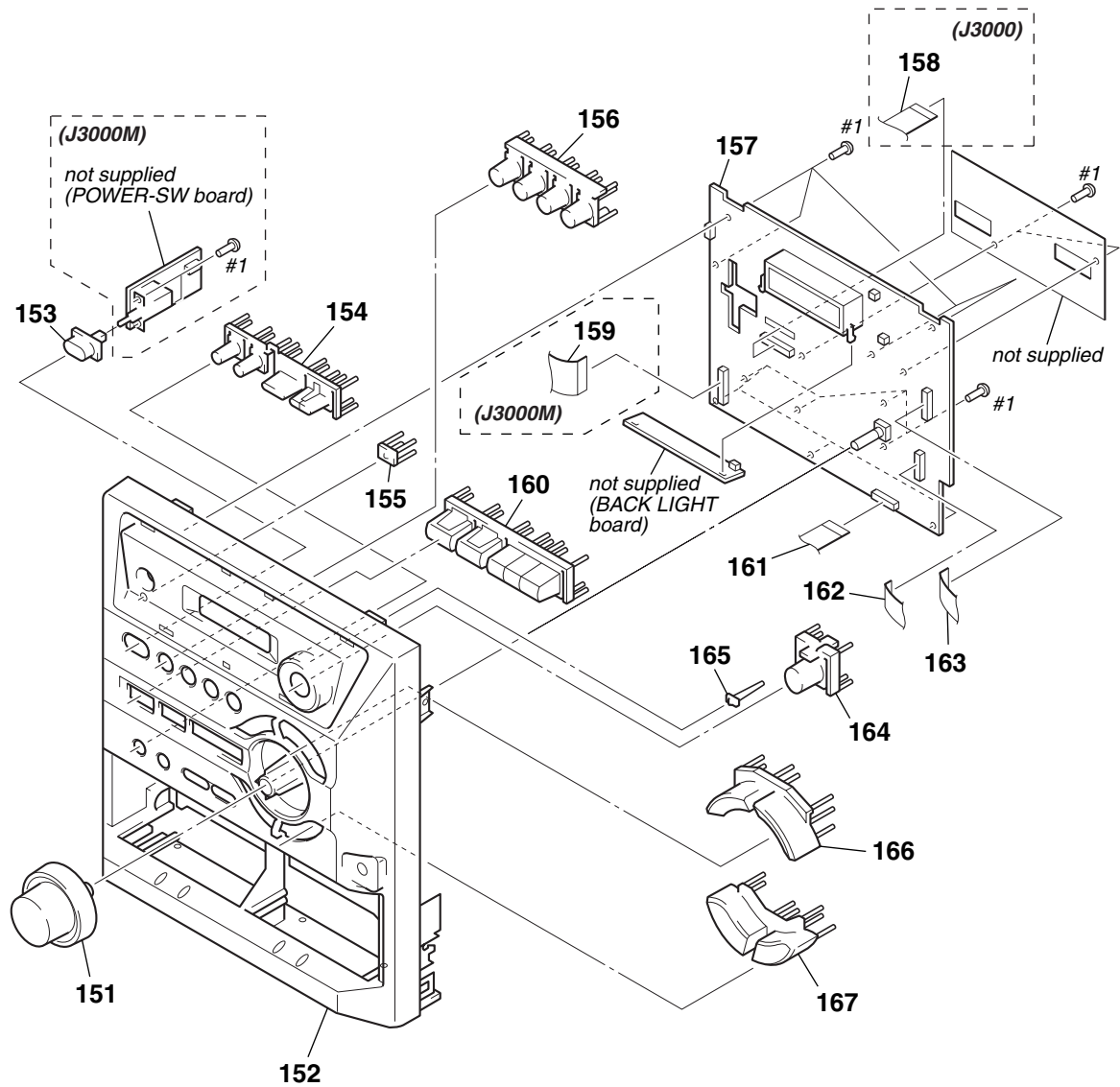
Ref. No.	Part No.	Description	Remark
61	4-985-672-01	SCREW (+PTPWHM2.6) FLOATING	
62	3-931-379-31	RUBBER, VIBRATION PROOF	
63	1-757-689-11	CABLE, FLEXIBLE FLAT (16 CORE)	
* 64	A-3347-681-A	CD/MP3 BOARD, COMPLETE (J3000M)	
* 64	A-3683-956-A	CD BOARD, COMPLETE (J3000)	
65	2-177-942-01	SHEET, INSULATING	
S851	1-692-960-11	SWITCH, PUSH (1 KEY) (CD LID OPEN/CLOSE DETECT)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
#3	7-685-853-04	SCREW +BVTT 2X6 (S)	

8-3. FRONT PANEL (TAPE DECK) SECTION



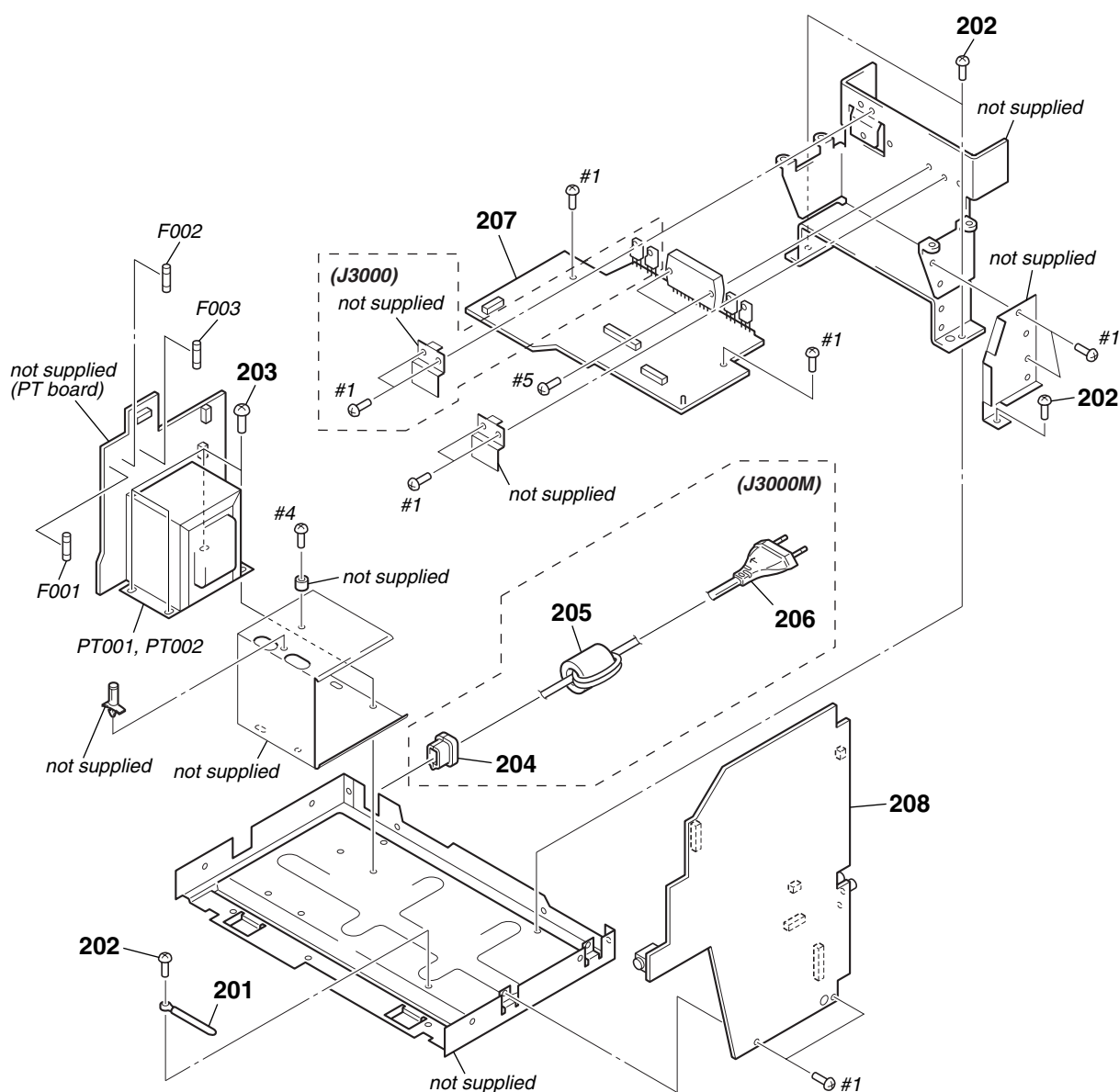
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	2-067-354-02	PANEL (R), CASSETTE		109	4-224-104-41	DAMPER	
102	2-067-377-01	SPRING (OPEN-R), CASSETTE		110	4-231-825-01	CAM (B), HEART	
103	2-067-356-01	WINDOW (R), CASSETTE		111	4-231-836-01	SPRING (HEART CAM-A)	
104	2-067-376-01	SPRING (OPEN-L), CASSETTE		112	1-796-486-91	DECK, MECHANICAL (CWM43FR55)	
105	2-067-355-01	WINDOW (L), CASSETTE		113	4-231-841-01	SPRING (HEART CAM-B)	
106	2-067-353-02	PANEL (L), CASSETTE		114	4-231-824-01	CAM (A), HEART	
107	4-246-745-01	CASSETTE, SPRING		115	2-349-556-01	FILTER	
108	2-067-357-02	WINDOW, INDICATION (J3000)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
108	2-067-357-12	WINDOW, INDICATION (J3000M)					

8-4. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	2-067-366-01	Knob (VOL)		158	1-829-919-11	CABLE, FLEXIBLE FLAT (14 CORE) (J3000)	
152	2-067-352-02	PANEL, FRONT (J3000M)		159	1-829-920-11	CABLE, FLEXIBLE FLAT (20 CORE) (J3000M)	
152	2-067-352-22	PANEL, FRONT (J3000)		160	2-067-361-01	Button (PLAY) (◀▶, ■, I◀◀, II, ▶▶I)	
153	2-067-359-01	Button (POWER) (J3000M)		161	1-769-972-11	Wire (Flat Type) (13 Core)	
153	2-067-382-01	Button (POWER-D) (J3000)		162	1-773-006-11	Wire (Flat Type) (15 Core) (J3000)	
154	2-067-362-01	Button (REC-FM) (J3000)		162	1-769-982-11	Wire (Flat Type) (13 Core) (J3000M)	
154	2-067-363-02	Button (REC-MP3) (J3000M)		163	1-757-649-11	Wire (Flat Type) (15 Core)	
155	2-067-381-01	Indicator (POWER)		164	2-067-358-01	Button (I-BASS)	
156	2-067-360-01	Button (FUNC)		165	2-067-380-01	Indicator (I-BASS)	
157	A-1055-875-A	PANEL BOARD, COMPLETE (J3000)		166	2-067-364-01	Button (POP) (ROCK, POP)	
157	A-1056-184-A	PANEL BOARD, COMPLETE (J3000M: RU)		167	2-067-365-01	Button (FLAT) (FLAT, DANCE)	
157	A-1075-926-A	PANEL BOARD, COMPLETE (J3000M: E51, MX)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

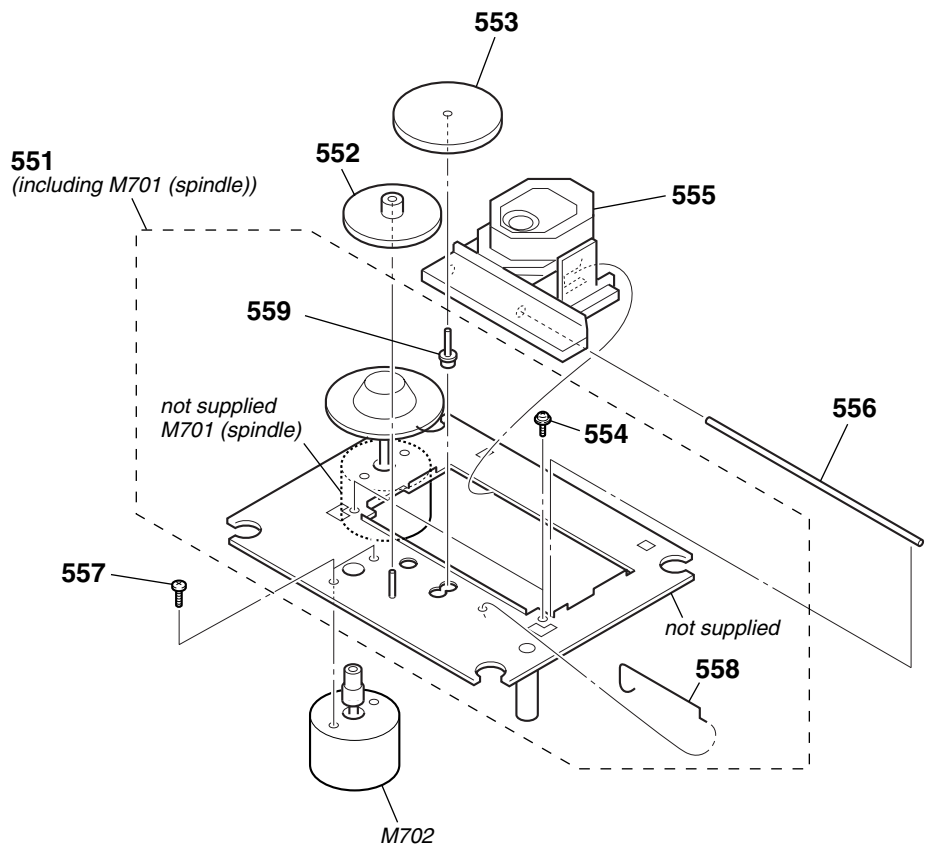
8-5. CHASSIS SECTION



The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 201	3-703-150-11	CLAMP		208	A-1075-922-A	MAIN BOARD, COMPLETE (J3000M: E51, MX)	
202	3-970-608-11	SUMITITE (B3), +BV		Δ F001	1-532-504-51	FUSE (T4AL/250V) (J3000, J3000M: RU)	
203	4-900-386-01	SCREW		Δ F001	1-532-505-51	FUSE (T5AL/250V) (J3000M: E51, MX)	
204	3-703-244-00	BUSHING (2104), CORD (J3000M)		Δ F002	1-532-504-51	FUSE (T4AL/250V) (J3000, J3000M: RU)	
205	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (J3000M)		Δ F002	1-532-505-51	FUSE (T5AL/250V) (J3000M: E51, MX)	
Δ 206	1-769-744-52	CORD, POWER (J3000M: RU, E51)		Δ F003	1-532-388-51	FUSE (T2AL/250V)	
Δ 206	1-827-226-11	CORD, POWER (J3000M: MX)		Δ PT001	1-443-380-11	TRANSFORMER, POWER (J3000M: E51)	
207	A-1055-876-A	AMP BOARD, COMPLETE (J3000)		Δ PT002	1-443-379-11	TRANSFORMER, POWER (J3000, J3000M: RU)	
207	A-1056-185-A	AMP BOARD, COMPLETE (J3000M: RU)		Δ PT002	1-443-383-11	TRANSFORMER, POWER (J3000M: MX)	
207	A-1075-924-A	AMP BOARD, COMPLETE (J3000M: E51, MX)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
208	A-1055-870-A	MAIN BOARD, COMPLETE (J3000)		#4	7-685-871-01	SCREW +BVTT 3X6 (S)	
208	A-1056-180-A	MAIN BOARD, COMPLETE (J3000M: RU)		#5	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	

8-6. OPTICAL PICK-UP SECTION (KSM-213RDP)



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
551	X-2162-707-2	CHASSIS ASSY (RDP) (RP), MOTOR (including M701 (SPINDLE))		556	2-626-908-01	SHAFT, SLED	
* 552	2-647-408-02	GEAR (B)		557	2-174-500-01	SCREW (2X3)	
* 553	2-169-065-01	GEAR (A)		* 558	2-169-385-01	SPRING, SLED	
554	2-169-388-11	TAPPING (M2), +PWB		* 559	2-169-384-01	SHAFT (S), GEAR	
$\triangle$ 555	8-820-161-02	OPTICAL PICK-UP (KSS-213R/C2RP)		M702	X-2126-712-2	GEAR ASSY (R) (RP), MOTOR (SLED)	

SECTION 9 ELECTRICAL PARTS LIST

AC INLET**AMP****NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- **RESISTORS**
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- Abbreviation
E51 : Chilean and Peruvian models
MX : Mexican model
RU : Russian model
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- **SEMICONDUCTORS**
In each case, u: μ , for example:
uA... : μ A... uPA... : μ PA... ,
uPB... : μ PB... uPC... : μ PC... ,
uPD... : μ PD...
- **CAPACITORS:**
uF: μ F
- **COILS**
uH: μ H

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		AC INLET BOARD (J3000)					

	1-533-233-31	FUSE HOLDER					
		< DIODE >					
D001	8-719-059-21	DIODE RK46LF-T2		C168	1-104-665-11	ELECT 100uF 20% 25V	
		< JACK >		C169	1-126-934-11	ELECT 220uF 20% 16V	
J001	1-507-563-00	JACK, DC (DC IN 12V)		C170	1-131-992-11	CERAMIC CHIP 100000PF 35V	
Δ J002	1-526-838-11	INLET, AC 2P (-AC)		C171	1-131-992-11	CERAMIC CHIP 100000PF 35V	
		< RESISTOR >		C172	1-131-992-11	CERAMIC CHIP 100000PF 35V	
R001	1-216-833-11	METAL CHIP 10K 5% 1/10W		C173	1-131-992-11	CERAMIC CHIP 100000PF 35V	
		*****		C201	1-126-953-11	ELECT 2200uF 20% 35V	
	A-1055-876-A	AMP BOARD, COMPLETE (J3000)				(J3000M: RU)	
	A-1056-185-A	AMP BOARD, COMPLETE (J3000M: RU)		C201	1-128-550-11	ELECT 2200uF 20% 50V	
	A-1075-924-A	AMP BOARD, COMPLETE (J3000M: E51, MX)				(EXCEPT J3000M: RU)	
		*****		C202	1-126-953-11	ELECT 2200uF 20% 35V	
		< CAPACITOR >				(J3000M: RU)	
				C202	1-128-550-11	ELECT 2200uF 20% 50V	
						(EXCEPT J3000M: RU)	
C101	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		C203	1-164-230-11	CERAMIC CHIP 220PF 5% 50V	
C102	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V		C204	1-164-230-11	CERAMIC CHIP 220PF 5% 50V	
C103	1-126-933-11	ELECT 100uF 20% 16V		C207	1-126-965-11	ELECT 22uF 20% 50V	
C104	1-126-965-11	ELECT 22uF 20% 50V		C208	1-126-965-11	ELECT 22uF 20% 50V	
		(J3000)		C209	1-126-948-11	ELECT 100uF 20% 35V	
C106	1-126-960-11	ELECT 1uF 20% 50V				(J3000/J3000M: RU)	
C107	1-126-947-11	ELECT 47uF 20% 35V		C209	1-126-968-11	ELECT 100uF 20% 50V	
C108	1-126-947-11	ELECT 47uF 20% 35V				(J3000M: E51, MX)	
C151	1-131-992-11	CERAMIC CHIP 100000PF 35V		C210	1-126-964-11	ELECT 10uF 20% 50V	
C152	1-131-992-11	CERAMIC CHIP 100000PF 35V		C211	1-126-964-11	ELECT 10uF 20% 50V	
C153	1-131-992-11	CERAMIC CHIP 100000PF 35V		C212	1-126-963-11	ELECT 4.7uF 20% 50V	
						(J3000)	
C154	1-131-992-11	CERAMIC CHIP 100000PF 35V		C213	1-126-960-11	ELECT 1uF 20% 50V	
C155	1-131-992-11	CERAMIC CHIP 100000PF 35V				(J3000)	
C156	1-131-992-11	CERAMIC CHIP 100000PF 35V		C214	1-126-960-11	ELECT 1uF 20% 50V	
C157	1-131-992-11	CERAMIC CHIP 100000PF 35V				(J3000)	
C158	1-131-992-11	CERAMIC CHIP 100000PF 35V		C215	1-126-933-11	ELECT 100uF 20% 16V	
						(J3000)	
C159	1-126-934-11	ELECT 220uF 20% 16V		C216	1-104-665-11	ELECT 100uF 20% 25V	
C160	1-126-943-11	ELECT 2200uF 20% 25V				(J3000)	
C161	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V		C217	1-162-915-11	CERAMIC CHIP 10PF 0.5PF 50V	
C162	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V		C218	1-162-915-11	CERAMIC CHIP 10PF 0.5PF 50V	
C163	1-126-934-11	ELECT 220uF 20% 16V		C219	1-104-665-11	ELECT 100uF 20% 25V	
				C220	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
						(J3000)	
				C223	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C224	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C225	1-126-963-11	ELECT 4.7uF 20% 50V	
				C226	1-126-963-11	ELECT 4.7uF 20% 50V	

AMP

Ref. No.	Part No.	Description	Remark		
C227	1-136-171-00	FILM	0.33uF	5%	50V
C228	1-136-171-00	FILM	0.33uF	5%	50V
C229	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C230	1-162-964-11	CERAMIC CHIP	0.001uF	10%	(J3000)
					50V
C233	1-126-767-11	ELECT	1000uF	20%	(J3000)
					16V
C234	1-126-767-11	ELECT	1000uF	20%	(J3000)
					16V
C235	1-162-964-11	CERAMIC CHIP	0.001uF	10%	(J3000)
					50V
C236	1-162-964-11	CERAMIC CHIP	0.001uF	10%	(J3000)
					50V
C237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	(J3000)
					16V
C238	1-126-948-11	ELECT	100uF	20%	(J3000/J3000M: RU)
					35V
C238	1-126-968-11	ELECT	100uF	20%	(J3000M: E51, MX)
					50V
C249	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C257	1-136-171-00	FILM	0.33uF	5%	50V
C258	1-136-171-00	FILM	0.33uF	5%	50V
< CONNECTOR >					
CN102	1-784-774-11	CONNECTOR, FFC 13P (J3000M)			
CN102	1-784-776-11	CONNECTOR, FFC 15P (J3000)			
* CN201	1-764-334-11	PLUG, CONNECTOR 11P (J3000M)			
* CN201	1-564-516-11	PLUG, CONNECTOR 13P (J3000)			
* CN206	1-564-187-00	PIN, CONNECTOR			
< DIODE >					
D101	8-719-991-33	DIODE	1SS133T-77		
D102	8-719-109-97	DIODE	RD6.8ESB2		
D104	8-719-991-33	DIODE	1SS133T-77		
D105	8-719-991-33	DIODE	1SS133T-77		
D106	8-719-991-33	DIODE	1SS133T-77		
D151	8-719-046-07	DIODE	2A02M		
D152	8-719-046-07	DIODE	2A02M		
D153	8-719-046-07	DIODE	2A02M		
D154	8-719-046-07	DIODE	2A02M		
D155	8-719-046-47	DIODE	1N5401TM		
D156	8-719-046-47	DIODE	1N5401TM		
D157	8-719-046-47	DIODE	1N5401TM		
D158	8-719-046-47	DIODE	1N5401TM		
D160	8-719-991-33	DIODE	1SS133T-77		
D161	8-719-109-85	DIODE	RD5.1ESB2		
D163	8-719-982-01	DIODE	MTZJ-3.3B		
D164	8-719-991-33	DIODE	1SS133T-77		
D170	8-719-991-33	DIODE	1SS133T-77		
D173	8-719-982-01	DIODE	MTZJ-3.3B		
D176	8-719-991-33	DIODE	1SS133T-77		
D201	8-719-991-33	DIODE	1SS133T-77		
D202	8-719-991-33	DIODE	1SS133T-77		
D203	8-719-109-85	DIODE	RD5.1ESB2		
D204	8-719-991-33	DIODE	1SS133T-77		
D205	8-719-991-33	DIODE	1SS133T-77		
D206	8-719-991-33	DIODE	1SS133T-77		

Ref. No.	Part No.	Description	Remark			
< EARTH TERMINAL >						
* EP201	1-537-738-21	TERMINAL, EARTH				
< IC >						
IC201	8-759-452-80	IC LA4600 (J3000)				
IC202	6-705-620-01	IC STK433-060 (J3000M: E51, MX)				
IC202	6-705-854-01	IC STK433-030 (J3000/J3000M: RU)				
< SHORT >						
JR204	1-216-864-11	SHORT CHIP	0			
< CAPACITOR >						
JW115	1-127-876-21	CERAMIC	0.01uF	10%	50V	(J3000M)
< TRANSISTOR >						
Q101	8-729-209-60	TRANSISTOR	2SB1375			
Q102	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q103	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q104	6-550-580-01	TRANSISTOR	2SA1235TP-1F			
Q151	8-729-209-60	TRANSISTOR	2SB1375			
Q152	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q153	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q154	6-550-305-01	TRANSISTOR	2SA1296GR-(TPE2)			
Q155	8-729-027-46	TRANSISTOR	DTC114YKA-T146			
Q157	8-729-209-60	TRANSISTOR	2SB1375			
Q158	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q160	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q201	6-550-580-01	TRANSISTOR	2SA1235TP-1F			
Q202	6-550-580-01	TRANSISTOR	2SA1235TP-1F			
Q203	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q204	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q205	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q206	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q207	6-550-580-01	TRANSISTOR	2SA1235TP-1F			
Q208	8-729-048-99	FET	2SK2541-T			
Q209	6-550-580-01	TRANSISTOR	2SA1235TP-1F			
Q251	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q252	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q253	6-550-580-01	TRANSISTOR	2SA1235TP-1F			
Q254	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
< RESISTOR >						
R101	1-216-809-11	METAL CHIP	100	5%	1/10W	
R102	1-216-807-11	METAL CHIP	68	5%	1/10W	
R103	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R104	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R105	1-216-817-11	METAL CHIP	470	5%	1/10W	
R106	1-216-821-11	METAL CHIP	1K	5%	1/10W	(J3000)
R107	1-216-809-11	METAL CHIP	100	5%	1/10W	
R109	1-216-821-11	METAL CHIP	1K	5%	1/10W	(J3000)
R110	1-216-809-11	METAL CHIP	100	5%	1/10W	
R111	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R112	1-216-828-11	METAL CHIP	3.9K	5%	1/10W (J3000)	R226	1-216-836-11	METAL CHIP	18K	5%	1/10W
R112	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (J3000M)	R227	1-216-864-11	SHORT CHIP	0		
R113	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R228	1-216-864-11	SHORT CHIP	0		
R115	1-216-821-11	METAL CHIP	1K	5%	1/10W	R229	1-216-833-11	METAL CHIP	10K	5%	1/10W
R116	1-216-821-11	METAL CHIP	1K	5%	1/10W	R230	1-216-833-11	METAL CHIP	10K	5%	1/10W
R117	1-216-837-11	METAL CHIP	22K	5%	1/10W	R231	1-216-833-11	METAL CHIP	10K	5%	1/10W
R118	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R232	1-216-853-11	METAL CHIP	470K	5%	1/10W (J3000)
R119	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	△R233	1-212-881-11	FUSIBLE	100	5%	1/4W F
R120	1-216-841-11	METAL CHIP	47K	5%	1/10W	R234	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (J3000)
R122	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R235	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R154	1-216-833-11	METAL CHIP	10K	5%	1/10W (J3000)	R236	1-216-833-11	METAL CHIP	10K	5%	1/10W
R155	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (J3000)	R237	1-216-839-11	METAL CHIP	33K	5%	1/10W
R156	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (J3000)	R238	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R157	1-216-809-11	METAL CHIP	100	5%	1/10W	R239	1-216-841-11	METAL CHIP	47K	5%	1/10W (J3000)
R158	1-216-807-11	METAL CHIP	68	5%	1/10W	R240	1-216-841-11	METAL CHIP	47K	5%	1/10W (J3000)
R159	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R241	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R160	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R243	1-216-821-11	METAL CHIP	1K	5%	1/10W (J3000M: E51, MX)
R161	1-216-817-11	METAL CHIP	470	5%	1/10W	R244	1-216-821-11	METAL CHIP	1K	5%	1/10W (J3000M: E51, MX)
R162	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R163	1-216-841-11	METAL CHIP	47K	5%	1/10W	R245	1-249-409-11	CARBON	220	5%	1/4W (J3000)
R164	1-249-413-11	CARBON	470	5%	1/4W	R246	1-249-409-11	CARBON	220	5%	1/4W (J3000)
R166	1-249-413-11	CARBON	470	5%	1/4W	R247	1-260-103-11	CARBON	2.2K	5%	1/2W (J3000)
R167	1-247-807-31	CARBON	100	5%	1/4W	R248	1-260-103-11	CARBON	2.2K	5%	1/2W (J3000)
R168	1-216-809-11	METAL CHIP	100	5%	1/10W						
R169	1-216-841-11	METAL CHIP	47K	5%	1/10W	R251	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R170	1-216-809-11	METAL CHIP	100	5%	1/10W	R252	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R171	1-216-817-11	METAL CHIP	470	5%	1/10W	R253	1-216-822-11	METAL CHIP	1.2K	5%	1/10W (J3000M: E51, MX)
R173	1-216-853-11	METAL CHIP	470K	5%	1/10W	R253	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (J3000/J3000M: RU)
R174	1-216-821-11	METAL CHIP	1K	5%	1/10W	R254	1-216-822-11	METAL CHIP	1.2K	5%	1/10W (J3000M: E51, MX)
R201	1-216-833-11	METAL CHIP	10K	5%	1/10W	R254	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (J3000/J3000M: RU)
R202	1-216-833-11	METAL CHIP	10K	5%	1/10W						
△R203	1-216-361-31	METAL OXIDE	0.22	5%	2W F	R255	1-216-841-11	METAL CHIP	47K	5%	1/10W
△R204	1-216-361-31	METAL OXIDE	0.22	5%	2W F	R256	1-216-841-11	METAL CHIP	47K	5%	1/10W
R205	1-216-821-11	METAL CHIP	1K	5%	1/10W	R257	1-216-841-11	METAL CHIP	47K	5%	1/10W
R206	1-216-821-11	METAL CHIP	1K	5%	1/10W	R258	1-216-841-11	METAL CHIP	47K	5%	1/10W
R207	1-216-833-11	METAL CHIP	10K	5%	1/10W	△R259	1-212-881-11	FUSIBLE	100	5%	1/4W F
R208	1-216-833-11	METAL CHIP	10K	5%	1/10W	R267	1-260-296-11	CARBON	2.2	5%	1/2W
R209	1-216-835-11	METAL CHIP	15K	5%	1/10W	R268	1-260-296-11	CARBON	2.2	5%	1/2W
R210	1-216-835-11	METAL CHIP	15K	5%	1/10W	R269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R211	1-216-853-11	METAL CHIP	470K	5%	1/10W	R270	1-216-821-11	METAL CHIP	1K	5%	1/10W
R212	1-216-845-11	METAL CHIP	100K	5%	1/10W	R272	1-216-841-11	METAL CHIP	47K	5%	1/10W
R213	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R214	1-216-826-11	METAL CHIP	2.7K	5%	1/10W (J3000)	R273	1-260-083-11	CARBON	47	5%	1/2W (J3000M)
R215	1-216-826-11	METAL CHIP	2.7K	5%	1/10W (J3000)	R273	1-260-085-11	CARBON	68	5%	1/2W (J3000)
R216	1-216-837-11	METAL CHIP	22K	5%	1/10W	R277	1-216-857-11	METAL CHIP	1M	5%	1/10W
R217	1-216-841-11	METAL CHIP	47K	5%	1/10W	R278	1-216-841-11	METAL CHIP	47K	5%	1/10W
R218	1-216-841-11	METAL CHIP	47K	5%	1/10W	R279	1-216-837-11	METAL CHIP	22K	5%	1/10W
△R219	1-202-972-61	FUSIBLE	1	5%	1/4W F						
△R220	1-202-972-61	FUSIBLE	1	5%	1/4W F	R280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R221	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R222	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R225	1-216-836-11	METAL CHIP	18K	5%	1/10W						

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

CX-J3000/J3000M

BACK LIGHT

CD

Ref. No.	Part No.	Description	Remark
< THERMISTOR >			
TH202	1-807-796-11	THERMISTOR	

BACK LIGHT BOARD			

< LED >			
D812	6-500-424-01	LED SLI-325DCT31W (LCD BACK LIGHT)	
D813	6-500-424-01	LED SLI-325DCT31W (LCD BACK LIGHT)	
D814	6-500-424-01	LED SLI-325DCT31W (LCD BACK LIGHT)	
D815	6-500-424-01	LED SLI-325DCT31W (LCD BACK LIGHT)	
D816	6-500-424-01	LED SLI-325DCT31W (LCD BACK LIGHT)	
D817	6-500-424-01	LED SLI-325DCT31W (LCD BACK LIGHT)	
< RESISTOR >			
R1836	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1837	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1838	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1839	1-216-809-11	METAL CHIP 100 5% 1/10W	

*	A-3683-956-A	CD BOARD, COMPLETE (J3000)	

< CAPACITOR >			
C701	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C702	1-126-947-11	ELECT 47uF 20% 35V	
C703	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C704	1-162-919-11	CERAMIC CHIP 22PF 5% 50V	
C705	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V	
C706	1-126-960-11	ELECT 1uF 20% 50V	
C707	1-115-156-11	CERAMIC CHIP 1uF 10V	
C708	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C709	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C711	1-162-974-11	CERAMIC CHIP 0.01uF 50V	
C716	1-162-974-11	CERAMIC CHIP 0.01uF 50V	
C717	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V	
C720	1-162-919-11	CERAMIC CHIP 22PF 5% 50V	
C721	1-162-919-11	CERAMIC CHIP 22PF 5% 50V	
C722	1-162-919-11	CERAMIC CHIP 22PF 5% 50V	
C723	1-162-974-11	CERAMIC CHIP 0.01uF 50V	
C724	1-162-919-11	CERAMIC CHIP 22PF 5% 50V	
C725	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C726	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C727	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C728	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V	
C729	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V	
C730	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C731	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V	
C732	1-104-665-11	ELECT 100uF 20% 25V	
C733	1-104-665-11	ELECT 100uF 20% 25V	
C734	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V	
C735	1-126-916-11	ELECT 1000uF 20% 6.3V	
C736	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V	
C738	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C739	1-164-156-11	CERAMIC CHIP 0.1uF 25V	

Ref. No.	Part No.	Description	Remark
C740	1-126-935-11	ELECT 470uF 20% 16V	
C741	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C742	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C743	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C744	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C745	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C746	1-104-665-11	ELECT 100uF 20% 25V	
C747	1-104-665-11	ELECT 100uF 20% 25V	
C750	1-104-665-11	ELECT 100uF 20% 25V	
C751	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C754	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C755	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
< CONNECTOR >			
CNP701	1-779-553-21	CONNECTOR, FFC (LIF (NON-ZIF)) 16P	
* CNP702	1-784-736-11	CONNECTOR, FFC 14P	
< FERRITE BEAD >			
FB701	1-469-701-21	FERRITE, EMI (SMD) (1608)	
< IC >			
IC701	6-701-796-01	IC LC78646E-US-E	
IC702	6-701-787-11	IC BA5826FP-E2	
< RESISTOR >			
JC701	1-216-864-11	SHORT CHIP 0	
JC702	1-216-864-11	SHORT CHIP 0	
JC703	1-216-864-11	SHORT CHIP 0	
JC704	1-216-821-11	METAL CHIP 1K 5% 1/10W	
< FERRITE BEAD >			
L706	1-414-445-11	FERRITE, EMI (SMD) (1608)	
< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR KTN2907AS-RTK	
< RESISTOR >			
R701	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R702	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R703	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R704	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R705	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R706	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R707	1-216-797-11	METAL CHIP 10 5% 1/10W	
R708	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R709	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R710	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R711	1-216-815-11	METAL CHIP 330 5% 1/10W	
R712	1-216-809-11	METAL CHIP 100 5% 1/10W	
R714	1-216-811-11	METAL CHIP 150 5% 1/10W	
R715	1-216-811-11	METAL CHIP 150 5% 1/10W	
R716	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R717	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R718	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R719	1-216-809-11	METAL CHIP 100 5% 1/10W	
R720	1-216-809-11	METAL CHIP 100 5% 1/10W	
R721	1-216-821-11	METAL CHIP 1K 5% 1/10W	

CD

CD/MP3

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R722	1-216-809-11	METAL CHIP	100	5%	1/10W		C742	1-164-156-11	CERAMIC CHIP	0.1uF			25V
R723	1-216-809-11	METAL CHIP	100	5%	1/10W		C743	1-165-176-11	CERAMIC CHIP	0.047uF	10%		16V
R724	1-216-841-11	METAL CHIP	47K	5%	1/10W		C744	1-115-156-11	CERAMIC CHIP	1uF			10V
R725	1-216-819-11	METAL CHIP	680	5%	1/10W		C745	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
R726	1-216-819-11	METAL CHIP	680	5%	1/10W		C746	1-164-156-11	CERAMIC CHIP	0.1uF			25V
							C747	1-164-156-11	CERAMIC CHIP	0.1uF			25V
R727	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C748	1-126-935-11	ELECT	470uF	20%		16V
R728	1-216-833-11	METAL CHIP	10K	5%	1/10W		C750	1-162-919-11	CERAMIC CHIP	22PF	5%		50V
R729	1-216-813-11	METAL CHIP	220	5%	1/10W		C751	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
R730	1-216-821-11	METAL CHIP	1K	5%	1/10W								
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		C753	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
							C754	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
R732	1-216-841-11	METAL CHIP	47K	5%	1/10W		C756	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
R741	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W		C760	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
R743	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W		C761	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W								
		< SWITCH >					C762	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
							C763	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
S701	1-571-936-11	SWITCH, LEAF (LIMIT)					C764	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
		< VIBRATOR >					C766	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
							C767	1-162-919-11	CERAMIC CHIP	22PF	5%		50V
X701	1-781-801-21	VIBRATOR, CERAMIC (16.9344MHz)					C1001	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
*****							C1010	1-164-156-11	CERAMIC CHIP	0.1uF			25V
							C1011	1-164-156-11	CERAMIC CHIP	0.1uF			25V
*	A-3347-681-A	CD/MP3 BOARD, COMPLETE (J3000M)					C1012	1-115-156-11	CERAMIC CHIP	1uF			10V
		*****					C1013	1-164-156-11	CERAMIC CHIP	0.1uF			25V
		< CAPACITOR >					C1014	1-104-665-11	ELECT	100uF	20%		25V
							C1029	1-126-916-11	ELECT	1000uF	20%		6.3V
C701	1-164-156-11	CERAMIC CHIP	0.1uF			25V	C1030	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C702	1-104-665-11	ELECT	100uF	20%		25V	C1031	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C703	1-164-156-11	CERAMIC CHIP	0.1uF			25V	C1037	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C704	1-126-947-11	ELECT	47uF	20%		35V							
C705	1-162-964-11	CERAMIC CHIP	0.001uF	10%		50V	C1042	1-104-665-11	ELECT	100uF	20%		25V
							C1043	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C706	1-164-156-11	CERAMIC CHIP	0.1uF			25V	C1044	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C707	1-104-665-11	ELECT	100uF	20%		25V	C1054	1-126-935-11	ELECT	470uF	20%		16V
C708	1-107-826-11	CERAMIC CHIP	0.1uF	10%		16V	C1055	1-164-156-11	CERAMIC CHIP	0.1uF			25V
C709	1-104-665-11	ELECT	100uF	20%		25V							
C710	1-165-176-11	CERAMIC CHIP	0.047uF	10%		16V	C1056	1-115-156-11	CERAMIC CHIP	1uF			10V
							C1057	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
C711	1-107-826-11	CERAMIC CHIP	0.1uF	10%		16V	C1058	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
C712	1-162-923-11	CERAMIC CHIP	47PF	5%		50V	C1059	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V	C1066	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
C714	1-164-156-11	CERAMIC CHIP	0.1uF			25V							
C715	1-126-960-11	ELECT	1uF	20%		50V	C1067	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
							C1068	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
C716	1-162-964-11	CERAMIC CHIP	0.001uF	10%		50V	C1069	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
C717	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V	C1070	1-162-923-11	CERAMIC CHIP	47PF	5%		50V
C718	1-115-156-11	CERAMIC CHIP	1uF			10V	C1074	1-162-919-11	CERAMIC CHIP	22PF	5%		50V
C719	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V							
C720	1-162-927-11	CERAMIC CHIP	100PF	5%		50V							
C721	1-164-156-11	CERAMIC CHIP	0.1uF			25V	CNP701	1-779-553-21	CONNECTOR, FFC (LIF (NON-ZIF)) 16P				
C722	1-164-156-11	CERAMIC CHIP	0.1uF			25V	CNP702	1-784-742-11	CONNECTOR, FFC 20P				
C723	1-104-665-11	ELECT	100uF	20%		25V							
C729	1-126-916-11	ELECT	1000uF	20%		6.3V							
C731	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V							
C732	1-162-970-11	CERAMIC CHIP	0.01uF	10%		25V	FB701	1-469-701-21	FERRITE, EMI (SMD) (1608)				
C733	1-162-970-11	CERAMIC CHIP	0.01uF	10%		25V	FB702	1-469-701-21	FERRITE, EMI (SMD) (1608)				
C734	1-162-968-11	CERAMIC CHIP	0.0047uF	10%		50V	FB703	1-469-701-21	FERRITE, EMI (SMD) (1608)				
C737	1-162-970-11	CERAMIC CHIP	0.01uF	10%		25V	FB704	1-469-701-21	FERRITE, EMI (SMD) (1608)				
C740	1-164-156-11	CERAMIC CHIP	0.1uF			25V	FB705	1-469-701-21	FERRITE, EMI (SMD) (1608)				
C741	1-115-156-11	CERAMIC CHIP	1uF			10V	FB706	1-469-701-21	FERRITE, EMI (SMD) (1608)				
							FB707	1-469-701-21	FERRITE, EMI (SMD) (1608)				
							FB1001	1-469-701-21	FERRITE, EMI (SMD) (1608)				

CX-J3000/J3000M

CD/MP3

MAIN

Ref. No.	Part No.	Description	Remark
FB1002	1-469-701-21	FERRITE, EMI (SMD) (1608)	
< IC >			
IC701	6-701-796-01	IC LC78646E-US-E	
IC702	6-701-787-11	IC BA5826FP-E2	
IC1001	6-704-008-01	IC LC78684E-US-E	
IC1002	6-704-009-01	IC LC32V4265CT-25-MPB-E	
IC1003	6-704-059-01	IC S-817B18AMC-CWHT2G	
< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR KTN2907AS-RTK	
< RESISTOR >			
R701	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R702	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R703	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R704	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R705	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R706	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R707	1-216-797-11	METAL CHIP 10 5% 1/10W	
R708	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R709	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R710	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R711	1-216-813-11	METAL CHIP 220 5% 1/10W	
R712	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R713	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R714	1-216-809-11	METAL CHIP 100 5% 1/10W	
R715	1-216-809-11	METAL CHIP 100 5% 1/10W	
R716	1-216-809-11	METAL CHIP 100 5% 1/10W	
R717	1-216-809-11	METAL CHIP 100 5% 1/10W	
R718	1-216-809-11	METAL CHIP 100 5% 1/10W	
R719	1-216-809-11	METAL CHIP 100 5% 1/10W	
R720	1-216-809-11	METAL CHIP 100 5% 1/10W	
R721	1-216-809-11	METAL CHIP 100 5% 1/10W	
R722	1-216-809-11	METAL CHIP 100 5% 1/10W	
R723	1-216-809-11	METAL CHIP 100 5% 1/10W	
R724	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R725	1-216-817-11	METAL CHIP 470 5% 1/10W	
R726	1-216-817-11	METAL CHIP 470 5% 1/10W	
R727	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R728	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R729	1-216-813-11	METAL CHIP 220 5% 1/10W	
R730	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R731	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R732	1-216-809-11	METAL CHIP 100 5% 1/10W	
R733	1-216-809-11	METAL CHIP 100 5% 1/10W	
R734	1-216-809-11	METAL CHIP 100 5% 1/10W	
R735	1-216-809-11	METAL CHIP 100 5% 1/10W	
R736	1-216-809-11	METAL CHIP 100 5% 1/10W	
R737	1-216-809-11	METAL CHIP 100 5% 1/10W	
R740	1-216-809-11	METAL CHIP 100 5% 1/10W	
R743	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R744	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R745	1-216-809-11	METAL CHIP 100 5% 1/10W	
R753	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R755	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R756	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R757	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R758	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R759	1-216-809-11	METAL CHIP	100	5%	1/10W
R760	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R761	1-216-805-11	METAL CHIP	47	5%	1/10W
R762	1-216-805-11	METAL CHIP	47	5%	1/10W
R763	1-216-813-11	METAL CHIP	220	5%	1/10W
R764	1-216-813-11	METAL CHIP	220	5%	1/10W
R765	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1001	1-216-809-11	METAL CHIP	100	5%	1/10W
R1002	1-216-809-11	METAL CHIP	100	5%	1/10W
R1003	1-216-809-11	METAL CHIP	100	5%	1/10W
R1004	1-216-809-11	METAL CHIP	100	5%	1/10W
R1005	1-216-809-11	METAL CHIP	100	5%	1/10W
R1017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1018	1-216-809-11	METAL CHIP	100	5%	1/10W
R1019	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1020	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1068	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1073	1-216-809-11	METAL CHIP	100	5%	1/10W
R1074	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1075	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1076	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1079	1-216-809-11	METAL CHIP	100	5%	1/10W
R1080	1-216-809-11	METAL CHIP	100	5%	1/10W
R1081	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1082	1-216-805-11	METAL CHIP	47	5%	1/10W
< SWITCH >					
S701	1-571-936-11	SWITCH, LEAF (LIMIT)			
< VIBRATOR >					
X701	1-795-563-21	VIBRATOR, CERAMIC (16.9344MHz)			

A-1055-870-A		MAIN BOARD, COMPLETE (J3000)			
A-1056-180-A		MAIN BOARD, COMPLETE (J3000M: RU)			
A-1075-922-A		MAIN BOARD, COMPLETE (J3000M: E51, MX)			

< CAPACITOR >					
C239	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C240	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C241	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C244	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C245	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C250	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C251	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C301	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C302	1-126-934-11	ELECT	220uF	20%	16V
C303	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C304	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C305	1-130-481-00	MYLAR	0.0068uF	5%	50V
C306	1-130-481-00	MYLAR	0.0068uF	5%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C311	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (J3000M)	C381	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C312	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C382	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C325	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	C383	1-126-960-11	ELECT	1uF	20%	50V
C326	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	C384	1-126-960-11	ELECT	1uF	20%	50V
C327	1-164-473-11	CERAMIC CHIP	820PF	5%	50V	C385	1-126-947-11	ELECT	47uF	20%	35V
C328	1-164-473-11	CERAMIC CHIP	820PF	5%	50V	C386	1-126-935-11	ELECT	470uF	20%	16V
C329	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C387	1-126-959-11	ELECT	0.47uF	20%	50V (J3000/J3000M: RU)
C330	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C387	1-126-963-11	ELECT	4.7uF	20%	50V (J3000M: E51, MX)
C331	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	C388	1-126-959-11	ELECT	0.47uF	20%	50V (J3000/J3000M: RU)
C332	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	C388	1-126-963-11	ELECT	4.7uF	20%	50V (J3000M: E51, MX)
C333	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C389	1-126-963-11	ELECT	4.7uF	20%	50V
C336	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C390	1-126-963-11	ELECT	4.7uF	20%	50V
C337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C393	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C338	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C394	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C339	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C451	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C343	1-126-947-11	ELECT	47uF	20%	35V	C452	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C345	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C455	1-126-964-11	ELECT	10uF	20%	50V
C346	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C456	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C347	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C457	1-130-487-00	MYLAR	0.022uF	5%	50V
C348	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C501	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V (J3000)
C349	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C502	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (J3000)
C350	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C503	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (J3000)
C351	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C504	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C352	1-126-964-11	ELECT	10uF	20%	50V	C505	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C353	1-136-167-00	FILM	0.15uF	5%	50V (J3000M: E51, MX)	C506	1-130-471-00	MYLAR	0.001uF	5%	50V (J3000)
C353	1-136-169-00	FILM	0.22uF	5%	50V (J3000/J3000M: RU)	C507	1-115-156-11	CERAMIC CHIP	1uF		10V
C354	1-136-167-00	FILM	0.15uF	5%	50V (J3000M: E51, MX)	C509	1-107-737-11	FILM	560PF	5%	100V
C354	1-136-169-00	FILM	0.22uF	5%	50V (J3000/J3000M: RU)	C511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C355	1-126-960-11	ELECT	1uF	20%	50V	C512	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C356	1-126-960-11	ELECT	1uF	20%	50V	C513	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C357	1-126-960-11	ELECT	1uF	20%	50V	C514	1-162-916-11	CERAMIC CHIP	12PF	5%	50V (J3000)
C358	1-126-960-11	ELECT	1uF	20%	50V	C516	1-162-974-11	CERAMIC CHIP	0.01uF		50V (J3000)
C359	1-136-167-00	FILM	0.15uF	5%	50V (J3000M: E51, MX)	C517	1-162-974-11	CERAMIC CHIP	0.01uF		50V (J3000)
C359	1-136-169-00	FILM	0.22uF	5%	50V (J3000/J3000M: RU)	C518	1-162-974-11	CERAMIC CHIP	0.01uF		50V (J3000)
C360	1-136-167-00	FILM	0.15uF	5%	50V (J3000M: E51, MX)	C519	1-162-974-11	CERAMIC CHIP	0.01uF		50V (J3000)
C360	1-136-169-00	FILM	0.22uF	5%	50V (J3000/J3000M: RU)	C520	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C361	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	C521	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C362	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	C522	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C363	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V	C523	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C364	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V	C524	1-126-947-11	ELECT	47uF	20%	35V
C365	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	C525	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C366	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	C527	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C367	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C528	1-126-947-11	ELECT	47uF	20%	35V
C368	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C529	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C371	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C530	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C372	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C531	1-162-907-11	CERAMIC CHIP	2PF	0.25PF	50V
C373	1-126-947-11	ELECT	47uF	20%	35V	C532	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C374	1-126-947-11	ELECT	47uF	20%	35V						
C375	1-162-962-11	CERAMIC CHIP	470PF	10%	50V						
C376	1-162-962-11	CERAMIC CHIP	470PF	10%	50V						

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark
C533	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	< DIODE >			
C534	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D209	8-719-991-33	DIODE 1SS133T-77	
C535	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	D210	8-719-991-33	DIODE 1SS133T-77	
C536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D211	8-719-921-88	DIODE MTZJ-13B	
C537	1-165-128-11	CERAMIC CHIP	0.22uF		16V	D301	8-719-991-33	DIODE 1SS133T-77	
C538	1-115-156-11	CERAMIC CHIP	1uF		10V	D302	8-719-991-33	DIODE 1SS133T-77	
C539	1-162-995-11	CERAMIC CHIP	0.022uF		50V	D501	8-719-991-33	DIODE 1SS133T-77 (J3000)	
C540	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D502	8-719-991-33	DIODE 1SS133T-77 (J3000)	
C541	1-126-963-11	ELECT	4.7uF	20%	50V	D503	8-719-991-33	DIODE 1SS133T-77 (J3000)	
C542	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D504	8-719-991-33	DIODE 1SS133T-77 (J3000)	
C543	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D505	8-719-991-33	DIODE 1SS133T-77 (J3000)	
(J3000/J3000M: RU)						D506	8-719-991-33	DIODE 1SS133T-77 (J3000)	
C543	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V	D507	6-500-712-01	DIODE SVC384	
(J3000M: E51, MX)						D508	8-719-991-33	DIODE 1SS133T-77	
C544	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	D509	8-719-991-33	DIODE 1SS133T-77	
(J3000/J3000M: RU)						D510	8-719-058-78	DIODE HVU202A3TRF	
C544	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V	D511	8-719-058-78	DIODE HVU202A3TRF	
(J3000M: E51, MX)						D512	8-719-109-89	DIODE RD5.6ESB2	
C545	1-162-974-11	CERAMIC CHIP	0.01uF		50V	D514	8-719-991-33	DIODE 1SS133T-77	
C547	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< EARTH TERMINAL >			
C548	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	* EP203	1-537-738-21	TERMINAL, EARTH	
C549	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	* EP401	1-537-738-21	TERMINAL, EARTH	
C550	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	< IC >			
C552	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	IC302	6-702-895-01	IC BD3881FV	
C553	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	IC501	8-759-662-67	IC TA2149N	
C554	1-115-156-11	CERAMIC CHIP	1uF		10V	IC502	8-759-590-13	IC LC72131D	
C555	1-126-947-11	ELECT	47uF	20%	35V	< JACK >			
C556	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	J201	1-537-240-31	TERMINAL BOARD (CHECKER PIN)	
C557	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	(SPEAKER IMPEDANCE USE 6Ω)			
C558	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	J202	1-750-032-11	JACK (DIA. 3.5) (PHONES) (J3000)	
C559	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	J203	1-770-768-22	JACK (PHONES) (J3000M)	
C560	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	J301	1-793-987-11	JACK, PIN 2P (VIDEO/SAT IN)	
C561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	< RESISTOR >			
C563	1-126-964-11	ELECT	10uF	20%	50V	JR203	1-216-864-11	SHORT CHIP 0 (J3000M)	
C564	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	JR207	1-216-864-11	SHORT CHIP 0 (J3000M)	
C565	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	JR208	1-216-845-11	METAL CHIP 100K 5% 1/10W (J3000M)	
C566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	JR208	1-216-864-11	SHORT CHIP 0 (J3000)	
C567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	JR209	1-216-864-11	SHORT CHIP 0	
C568	1-126-947-11	ELECT	47uF	20%	35V	JR301	1-216-864-11	SHORT CHIP 0	
C569	1-126-964-11	ELECT	10uF	20%	50V	JR302	1-216-864-11	SHORT CHIP 0	
C570	1-126-947-11	ELECT	47uF	20%	35V	JR501	1-216-864-11	SHORT CHIP 0 (J3000M)	
C571	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	JR502	1-216-864-11	SHORT CHIP 0 (J3000M)	
C592	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	JR503	1-216-864-11	SHORT CHIP 0 (J3000M)	
C593	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	JR504	1-216-864-11	SHORT CHIP 0	
< FILTER >						JR505	1-216-296-11	SHORT CHIP 0	
CF501	1-567-390-11	FILTER, CERAMIC				JR506	1-216-864-11	SHORT CHIP 0	
CF502	1-567-390-11	FILTER, CERAMIC				JR507	1-216-296-11	SHORT CHIP 0	
CF503	1-781-171-11	DISCRIMINATOR, CERAMIC				JR508	1-216-864-11	SHORT CHIP 0	
< CONNECTOR >						JR509	1-216-864-11	SHORT CHIP 0	
CN105	1-784-776-11	CONNECTOR, FFC 15P				JR510	1-216-864-11	SHORT CHIP 0	
* CN301	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				JR511	1-216-864-11	SHORT CHIP 0	
* CN302	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P				JR513	1-216-864-11	SHORT CHIP 0	
* CN501	1-564-187-00	PIN, CONNECTOR				JR514	1-216-864-11	SHORT CHIP 0	
CN502	1-778-310-11	PLUG, CONNECTOR 2P (LOOP ANTENNA)							

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR515	1-216-296-11	SHORT CHIP	0 (J3000)	Q508	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)
JR516	1-216-864-11	SHORT CHIP	0 (J3000)	Q509	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)
JR517	1-216-864-11	SHORT CHIP	0	Q510	8-729-232-11	FET	2SK302-GR-TE85L
JR518	1-216-864-11	SHORT CHIP	0 (J3000)	Q511	8-729-027-23	TRANSISTOR	DTA114EKA-T146 (J3000)
JR519	1-216-864-11	SHORT CHIP	0 (J3000)	Q512	8-729-027-23	TRANSISTOR	DTA114EKA-T146 (J3000)
JR520	1-216-864-11	SHORT CHIP	0	Q513	8-729-200-86	TRANSISTOR	2SC2714-0
JR602	1-216-864-11	SHORT CHIP	0	Q514	8-729-200-86	TRANSISTOR	2SC2714-0
		< COIL >		Q515	8-729-027-23	TRANSISTOR	DTA114EKA-T146 (J3000)
L203	1-422-009-13	COIL, AIR-CORE		Q516	8-729-027-23	TRANSISTOR	DTA114EKA-T146 (J3000)
L204	1-422-009-13	COIL, AIR-CORE		Q517	8-729-036-89	TRANSISTOR	KTC3198GR-AT
L251	1-410-509-11	INDUCTOR	10uH	Q518	8-729-027-23	TRANSISTOR	DTA114EKA-T146
L301	1-410-509-11	INDUCTOR	10uH	Q519	8-729-027-46	TRANSISTOR	DTC114YKA-T146
L451	1-437-220-11	TRANSFORMER, BIAS OSCILLATION		Q520	8-729-120-28	TRANSISTOR	2SC1623-L5L6
		< RESISTOR >					
L501	1-456-597-11	COIL, SW1 OSC (J3000)		R242	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
L502	1-456-598-11	COIL, SW2 OSC (J3000)		R249	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (J3000)
L503	1-456-596-11	COIL, MW OSC		R249	1-216-864-11	SHORT CHIP	0 (J3000M)
L504	1-456-599-11	COIL, SW1 ANT (J3000)		R250	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (J3000)
L505	1-456-600-11	COIL, SW2 ANT (J3000)		R250	1-216-864-11	SHORT CHIP	0 (J3000M)
L506	1-410-686-11	INDUCTOR	1mH (J3000)	R260	1-216-833-11	METAL CHIP	10K 5% 1/10W
L507	1-410-686-11	INDUCTOR	1mH (J3000)	R261	1-216-174-00	RES-CHIP	100 5% 1/8W (J3000)
L508	1-410-686-11	INDUCTOR	1mH (J3000)	R262	1-216-174-00	RES-CHIP	100 5% 1/8W (J3000)
L509	1-410-686-11	INDUCTOR	1mH (J3000)	R263	1-260-319-51	CARBON	180 5% 1/2W (J3000M: RU)
L510	1-414-142-11	INDUCTOR	1uH (J3000)	R263	1-260-320-11	CARBON	220 5% 1/2W (J3000M: E51, MX)
L511	1-414-142-11	INDUCTOR	1uH (J3000)	R264	1-260-319-51	CARBON	180 5% 1/2W (J3000M: RU)
L512	1-456-601-11	COIL, FM RF		R264	1-260-320-11	CARBON	220 5% 1/2W (J3000M: E51, MX)
L513	1-456-602-11	COIL, FM OSC		R271	1-216-817-11	METAL CHIP	470 5% 1/10W
L514	1-813-158-11	FILTER		R275	1-260-319-51	CARBON	180 5% 1/2W (J3000M: RU)
L515	1-410-509-11	INDUCTOR	10uH	R275	1-260-320-11	CARBON	220 5% 1/2W (J3000M: E51, MX)
L516	1-456-807-11	COIL, ANTENNA (MW)		R276	1-260-319-51	CARBON	180 5% 1/2W (J3000M: RU)
L517	1-456-603-11	COIL, BPF		R276	1-260-320-11	CARBON	220 5% 1/2W (J3000M: E51, MX)
		< TRANSISTOR >		R301	1-216-853-11	METAL CHIP	470K 5% 1/10W
Q210	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R302	1-216-853-11	METAL CHIP	470K 5% 1/10W
Q305	8-729-048-99	FET	2SK2541-T	R303	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q306	8-729-048-99	FET	2SK2541-T	R304	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q307	6-550-290-01	FET	2SJ460	R305	1-216-849-11	METAL CHIP	220K 5% 1/10W
Q308	6-550-290-01	FET	2SJ460	R306	1-216-809-11	METAL CHIP	100 5% 1/10W
Q309	6-550-290-01	FET	2SJ460	R307	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q310	6-550-290-01	FET	2SJ460	R308	1-216-837-11	METAL CHIP	22K 5% 1/10W
Q311	8-729-048-99	FET	2SK2541-T	R309	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q312	8-729-048-99	FET	2SK2541-T	R310	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q313	8-729-048-99	FET	2SK2541-T	R323	1-216-851-11	METAL CHIP	330K 5% 1/10W
Q314	8-729-027-46	TRANSISTOR	DTC114YKA-T146	R324	1-216-851-11	METAL CHIP	330K 5% 1/10W
Q315	8-729-027-23	TRANSISTOR	DTA114EKA-T146	R325	1-216-851-11	METAL CHIP	330K 5% 1/10W
Q451	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2	R326	1-216-851-11	METAL CHIP	330K 5% 1/10W
Q453	8-729-027-46	TRANSISTOR	DTC114YKA-T146	R327	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q454	8-729-195-23	TRANSISTOR	2SA952-K2				
Q501	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)				
Q502	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)				
Q503	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)				
Q504	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)				
Q505	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)				
Q506	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)				
Q507	8-729-050-32	TRANSISTOR	2SC5585TL (J3000)				

CX-J3000/J3000M

MAIN

Ref. No.	Part No.	Description			Remark
R328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R329	1-216-833-11	METAL CHIP	10K	5%	1/10W
R330	1-216-821-11	METAL CHIP	1K	5%	1/10W
R333	1-216-834-11	METAL CHIP	12K	5%	1/10W
R334	1-216-834-11	METAL CHIP	12K	5%	1/10W
R335	1-216-821-11	METAL CHIP	1K	5%	1/10W
R336	1-216-849-11	METAL CHIP	220K	5%	1/10W
R337	1-216-849-11	METAL CHIP	220K	5%	1/10W
R341	1-216-839-11	METAL CHIP	33K	5%	1/10W (J3000/J3000M: RU)
R341	1-216-842-11	METAL CHIP	56K	5%	1/10W (J3000M: E51, MX)
R342	1-216-839-11	METAL CHIP	33K	5%	1/10W (J3000/J3000M: RU)
R342	1-216-842-11	METAL CHIP	56K	5%	1/10W (J3000M: E51, MX)
R343	1-216-839-11	METAL CHIP	33K	5%	1/10W (J3000/J3000M: RU)
R343	1-216-841-11	METAL CHIP	47K	5%	1/10W (J3000M: E51, MX)
R344	1-216-839-11	METAL CHIP	33K	5%	1/10W (J3000/J3000M: RU)
R344	1-216-841-11	METAL CHIP	47K	5%	1/10W (J3000M: E51, MX)
R345	1-216-837-11	METAL CHIP	22K	5%	1/10W
R346	1-216-837-11	METAL CHIP	22K	5%	1/10W
R347	1-216-833-11	METAL CHIP	10K	5%	1/10W
R348	1-216-833-11	METAL CHIP	10K	5%	1/10W
R349	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R350	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R351	1-216-833-11	METAL CHIP	10K	5%	1/10W
R352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R353	1-216-809-11	METAL CHIP	100	5%	1/10W
R354	1-216-809-11	METAL CHIP	100	5%	1/10W
R355	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R356	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R359	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R360	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R361	1-216-815-11	METAL CHIP	330	5%	1/10W
R362	1-216-815-11	METAL CHIP	330	5%	1/10W
R363	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R364	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R365	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R366	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R369	1-216-817-11	METAL CHIP	470	5%	1/10W
R370	1-216-817-11	METAL CHIP	470	5%	1/10W
R371	1-216-809-11	METAL CHIP	100	5%	1/10W
R373	1-216-817-11	METAL CHIP	470	5%	1/10W
R374	1-216-817-11	METAL CHIP	470	5%	1/10W
R375	1-216-809-11	METAL CHIP	100	5%	1/10W
R376	1-216-809-11	METAL CHIP	100	5%	1/10W
R377	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R378	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R379	1-216-852-11	METAL CHIP	390K	5%	1/10W
R380	1-216-852-11	METAL CHIP	390K	5%	1/10W
R381	1-216-836-11	METAL CHIP	18K	5%	1/10W
R382	1-216-836-11	METAL CHIP	18K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R383	1-216-809-11	METAL CHIP	100	5%	1/10W
R384	1-216-809-11	METAL CHIP	100	5%	1/10W
R387	1-216-150-11	RES-CHIP	10	5%	1/8W
R388	1-249-393-11	CARBON	10	5%	1/4W
R389	1-249-393-11	CARBON	10	5%	1/4W
R397	1-216-837-11	METAL CHIP	22K	5%	1/10W
R398	1-216-837-11	METAL CHIP	22K	5%	1/10W
R453	1-216-805-11	METAL CHIP	47	5%	1/10W
R454	1-216-821-11	METAL CHIP	1K	5%	1/10W
R455	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R456	1-216-838-11	METAL CHIP	27K	5%	1/10W
R457	1-216-797-11	METAL CHIP	10	5%	1/10W
R475	1-216-821-11	METAL CHIP	1K	5%	1/10W
R476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R501	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (J3000)
R502	1-216-833-11	METAL CHIP	10K	5%	1/10W (J3000)
R503	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (J3000)
R504	1-216-797-11	METAL CHIP	10	5%	1/10W (J3000)
R505	1-216-809-11	METAL CHIP	100	5%	1/10W (J3000)
R506	1-216-864-11	SHORT CHIP	0 (J3000)		
R507	1-216-833-11	METAL CHIP	10K	5%	1/10W (J3000)
R508	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (J3000)
R509	1-216-861-11	METAL CHIP	2.2M	5%	1/10W (J3000)
R510	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (J3000)
R511	1-216-833-11	METAL CHIP	10K	5%	1/10W (J3000)
R512	1-216-845-11	METAL CHIP	100K	5%	1/10W
R513	1-216-861-11	METAL CHIP	2.2M	5%	1/10W (J3000)
R514	1-216-861-11	METAL CHIP	2.2M	5%	1/10W (J3000)
R515	1-216-817-11	METAL CHIP	470	5%	1/10W
R516	1-216-817-11	METAL CHIP	470	5%	1/10W
R517	1-216-837-11	METAL CHIP	22K	5%	1/10W (J3000)
R518	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R519	1-216-833-11	METAL CHIP	10K	5%	1/10W (J3000)
R520	1-216-833-11	METAL CHIP	10K	5%	1/10W (J3000)
R521	1-216-861-11	METAL CHIP	2.2M	5%	1/10W (J3000)
R522	1-216-833-11	METAL CHIP	10K	5%	1/10W (J3000)
R523	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R524	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (J3000)
R525	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (J3000)
R526	1-216-835-11	METAL CHIP	15K	5%	1/10W
R527	1-216-815-11	METAL CHIP	330	5%	1/10W
R528	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

MAIN

PANEL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R529	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C459	1-126-965-11	ELECT	22uF	20%	50V
R530	1-216-841-11	METAL CHIP	47K	5%	1/10W	C804	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R531	1-216-815-11	METAL CHIP	330	5%	1/10W	C805	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R532	1-216-821-11	METAL CHIP	1K	5%	1/10W	C806	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R533	1-216-864-11	SHORT CHIP	0			C807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R534	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C808	1-104-662-91	ELECT	22uF	20%	25V
R535	1-216-821-11	METAL CHIP	1K	5%	1/10W	C809	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R536	1-216-821-11	METAL CHIP	1K	5%	1/10W	C810	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R537	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C811	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R538	1-216-833-11	METAL CHIP	10K	5%	1/10W	C812	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C813	1-104-656-11	ELECT	2200uF	20%	6.3V
R541	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	C814	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
R542	1-216-813-11	METAL CHIP	220	5%	1/10W	C815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R543	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C816	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R544	1-216-821-11	METAL CHIP	1K	5%	1/10W	C817	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R547	1-216-845-11	METAL CHIP	100K	5%	1/10W	C818	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
R548	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C819	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
R549	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C821	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R550	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C822	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C823	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R552	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (J3000)	C824	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
R554	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C825	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C826	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R557	1-216-797-11	METAL CHIP	10	5%	1/10W	C827	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
R558	1-216-805-11	METAL CHIP	47	5%	1/10W	C828	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
R559	1-216-841-11	METAL CHIP	47K	5%	1/10W	C829	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
R560	1-216-821-11	METAL CHIP	1K	5%	1/10W	< CONNECTOR >					
R561	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	CN451	1-784-774-11	CONNECTOR, FFC 13P			
R562	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	CN802	1-784-781-11	CONNECTOR, FFC 20P (J3000M)			
R563	1-216-864-11	SHORT CHIP	0			CN803	1-784-775-11	CONNECTOR, FFC 14P (J3000)			
R564	1-216-864-11	SHORT CHIP	0			CN804	1-784-774-11	CONNECTOR, FFC 13P (J3000M)			
R565	1-216-809-11	METAL CHIP	100	5%	1/10W	CN804	1-784-776-11	CONNECTOR, FFC 15P (J3000)			
R566	1-216-833-11	METAL CHIP	10K	5%	1/10W	CN805	1-784-776-11	CONNECTOR, FFC 15P			
R567	1-216-849-11	METAL CHIP	220K	5%	1/10W	< DIODE >					
R569	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	D451	8-719-991-33	DIODE 1SS133T-77			
R591	1-216-849-11	METAL CHIP	220K	5%	1/10W	D452	8-719-991-33	DIODE 1SS133T-77			
< RELAY >						D801	8-719-063-93	LED SLR325VC-N-T32 (STANDBY)			
RY201	1-755-532-12	RELAY (J3000)				D802	8-719-061-96	LED SLR-325DCT31 (i-Bass)			
RY202	1-755-170-11	RELAY (12V) (J3000M)				D804	8-719-109-69	DIODE RD3.6ESB2			
< TRIMMER >						D805	8-719-991-33	DIODE 1SS133T-77			
TC502	1-141-245-00	CAP, CERAMIC TRIMMER (J3000)				D806	8-719-991-33	DIODE 1SS133T-77			
TC503	1-141-227-00	TRIMMER, CERAMIC				D807	8-719-991-33	DIODE 1SS133T-77			
< VIBRATOR >						D808	8-719-991-33	DIODE 1SS133T-77			
X501	1-760-549-31	VIBRATOR, CRYSTAL (4.5MHz)				D809	8-719-991-33	DIODE 1SS133T-77			

< CAPACITOR >						< IC >					
C458	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	IC801	6-804-464-01	IC LC877448A-54A6-E (J3000)			
						IC801	6-804-465-01	IC LC877472C-54A4-E (J3000M)			
						IC802	8-759-533-04	IC M62703ML-E1			
						IC803	6-600-174-01	IC RPM7240-H4			

CX-J3000/J3000M

PANEL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< SHORT >						R811	1-216-809-11	METAL CHIP	100	5%	1/10W
JR802	1-216-864-11	SHORT CHIP	0			R812	1-216-809-11	METAL CHIP	100	5%	1/10W
JR804	1-216-864-11	SHORT CHIP	0			R813	1-216-809-11	METAL CHIP	100	5%	1/10W
JR805	1-216-864-11	SHORT CHIP	0			R814	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
< COIL >						R815	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
L801	1-410-509-11	INDUCTOR	10uH			R816	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
L803	1-410-509-11	INDUCTOR	10uH			R817	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
< LIQUID CRYSTAL DISPLAY >						R818	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
LCD801	1-805-638-11	DISPLAY PANEL, LIQUID CRYSTAL				R819	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
< TRANSISTOR >						R820	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q455	8-729-027-46	TRANSISTOR	DTC114YKA-T146			R821	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q456	8-729-027-46	TRANSISTOR	DTC114YKA-T146			R822	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q457	8-729-195-23	TRANSISTOR	2SA952-K2			R823	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q458	8-729-195-23	TRANSISTOR	2SA952-K2			R824	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q459	6-550-305-01	TRANSISTOR	2SA1296GR-(TPE2)			R825	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q460	8-729-027-46	TRANSISTOR	DTC114YKA-T146			R826	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q801	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R827	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q802	8-729-036-89	TRANSISTOR	KTC3198GR-AT			R828	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q803	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R829	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q804	8-729-027-46	TRANSISTOR	DTC114YKA-T146			R830	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q805	8-729-027-46	TRANSISTOR	DTC114YKA-T146			R831	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q806	8-729-027-46	TRANSISTOR	DTC114YKA-T146			R832	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q807	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R833	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
< RESISTOR >						R834	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R458	1-216-837-11	METAL CHIP	22K	5%	1/10W	R835	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R459	1-216-837-11	METAL CHIP	22K	5%	1/10W	R840	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R460	1-216-837-11	METAL CHIP	22K	5%	1/10W	R841	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R461	1-216-837-11	METAL CHIP	22K	5%	1/10W	R842	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R462	1-216-837-11	METAL CHIP	22K	5%	1/10W	R843	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R463	1-216-837-11	METAL CHIP	22K	5%	1/10W	R844	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R464	1-216-837-11	METAL CHIP	22K	5%	1/10W	R845	1-216-809-11	METAL CHIP	100	5%	1/10W
R465	1-216-837-11	METAL CHIP	22K	5%	1/10W	R846	1-216-809-11	METAL CHIP	100	5%	1/10W
R466	1-216-049-11	RES-CHIP	1K	5%	1/10W	R847	1-216-809-11	METAL CHIP	100	5%	1/10W
R467	1-216-821-11	METAL CHIP	1K	5%	1/10W	R848	1-216-809-11	METAL CHIP	100	5%	1/10W
R468	1-216-821-11	METAL CHIP	1K	5%	1/10W	R849	1-216-809-11	METAL CHIP	100	5%	1/10W
R469	1-216-049-11	RES-CHIP	1K	5%	1/10W	R850	1-216-809-11	METAL CHIP	100	5%	1/10W
R470	1-216-821-11	METAL CHIP	1K	5%	1/10W	R851	1-216-809-11	METAL CHIP	100	5%	1/10W
R471	1-216-049-11	RES-CHIP	1K	5%	1/10W	R852	1-216-809-11	METAL CHIP	100	5%	1/10W
R801	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R853	1-216-809-11	METAL CHIP	100	5%	1/10W
(EXCEPT J3000M: RU)						R854	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R801	1-216-864-11	SHORT CHIP	0 (J3000M: RU)			R855	1-216-845-11	METAL CHIP	100K	5%	1/10W
R802	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R856	1-216-845-11	METAL CHIP	100K	5%	1/10W
R802	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	(J3000)					
R803	1-216-809-11	METAL CHIP	100	5%	1/10W	R857	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R804	1-216-821-11	METAL CHIP	1K	5%	1/10W	R858	1-216-821-11	METAL CHIP	1K	5%	1/10W
R805	1-216-821-11	METAL CHIP	1K	5%	1/10W	R859	1-216-821-11	METAL CHIP	1K	5%	1/10W
R806	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R860	1-216-821-11	METAL CHIP	1K	5%	1/10W
R807	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R861	1-216-809-11	METAL CHIP	100	5%	1/10W
R808	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R809	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R863	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R810	1-216-809-11	METAL CHIP	100	5%	1/10W	R864	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R865	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R866	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R867	1-216-821-11	METAL CHIP	1K	5%	1/10W

PANEL

POWER-SW

PT

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R868	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1823	1-216-821-11	METAL CHIP	1K 5% 1/10W
R869	1-216-817-11	METAL CHIP	470 5% 1/10W	R1824	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R1827	1-216-837-11	METAL CHIP	22K 5% 1/10W
R870	1-216-829-11	METAL CHIP	4.7K 5% 1/10W				(J3000)
R871	1-216-841-11	METAL CHIP	47K 5% 1/10W	R1829	1-216-849-11	METAL CHIP	220K 5% 1/10W
R872	1-216-841-11	METAL CHIP	47K 5% 1/10W	R1830	1-216-837-11	METAL CHIP	22K 5% 1/10W
R873	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R874	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1832	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
				R1833	1-216-833-11	METAL CHIP	10K 5% 1/10W
R875	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1834	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R876	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1835	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R877	1-216-837-11	METAL CHIP	22K 5% 1/10W	R1840	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R878	1-216-827-11	METAL CHIP	3.3K 5% 1/10W				
R879	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R1841	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
				R1842	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R880	1-216-813-11	METAL CHIP	220 5% 1/10W	R1843	1-216-833-11	METAL CHIP	10K 5% 1/10W
R881	1-216-815-11	METAL CHIP	330 5% 1/10W				(J3000M)
R882	1-216-817-11	METAL CHIP	470 5% 1/10W	R1849	1-216-833-11	METAL CHIP	10K 5% 1/10W
R883	1-216-819-11	METAL CHIP	680 5% 1/10W				(J3000M)
R884	1-216-821-11	METAL CHIP	1K 5% 1/10W	R1852	1-216-809-11	METAL CHIP	100 5% 1/10W
R885	1-216-813-11	METAL CHIP	220 5% 1/10W	R1853	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R886	1-216-815-11	METAL CHIP	330 5% 1/10W	R1854	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R887	1-216-817-11	METAL CHIP	470 5% 1/10W				
R888	1-216-819-11	METAL CHIP	680 5% 1/10W			< SWITCH >	
R889	1-216-841-11	METAL CHIP	47K 5% 1/10W	S801	1-786-050-21	SWITCH, KEY BOARD (I/⏻) (J3000)	
				S802	1-786-050-21	SWITCH, KEY BOARD (TAPE A/B)	
R890	1-216-805-11	METAL CHIP	47 5% 1/10W	S803	1-786-050-21	SWITCH, KEY BOARD (CD)	
R891	1-216-821-11	METAL CHIP	1K 5% 1/10W	S804	1-786-050-21	SWITCH, KEY BOARD (TUNER/BAND)	
R892	1-216-819-11	METAL CHIP	680 5% 1/10W	S805	1-786-050-21	SWITCH, KEY BOARD (VIDEO/SAT)	
R893	1-216-817-11	METAL CHIP	470 5% 1/10W				
R894	1-216-837-11	METAL CHIP	22K 5% 1/10W	S806	1-786-050-21	SWITCH, KEY BOARD (i-Bass)	
				S807	1-786-050-21	SWITCH, KEY BOARD (◀▶)	
R895	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S808	1-786-050-21	SWITCH, KEY BOARD (■)	
R896	1-216-821-11	METAL CHIP	1K 5% 1/10W	S809	1-786-050-21	SWITCH, KEY BOARD	
R897	1-216-809-11	METAL CHIP	100 5% 1/10W			(TUNING MODE -, ◀◀, I◀◀)	
R898	1-216-833-11	METAL CHIP	10K 5% 1/10W	S810	1-786-050-21	SWITCH, KEY BOARD (■)	
R899	1-216-833-11	METAL CHIP	10K 5% 1/10W				
				S811	1-786-050-21	SWITCH, KEY BOARD	
R901	1-260-081-11	CARBON	33 5% 1/2W			(TUNING MODE +, ▶▶, ▶▶I)	
R902	1-260-081-11	CARBON	33 5% 1/2W	S812	1-786-050-21	SWITCH, KEY BOARD (DANCE)	
R903	1-260-081-11	CARBON	33 5% 1/2W	S813	1-478-642-11	ENCODER, ROTARY (VOLUME)	
R1801	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S814	1-786-050-21	SWITCH, KEY BOARD (CD SYNC)	
R1802	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S815	1-786-050-21	SWITCH, KEY BOARD (FLAT)	
R1803	1-216-821-11	METAL CHIP	1K 5% 1/10W	S816	1-786-050-21	SWITCH, KEY BOARD (ALBUM +) (J3000M)	
R1804	1-216-821-11	METAL CHIP	1K 5% 1/10W	S817	1-786-050-21	SWITCH, KEY BOARD (REC PAUSE/START)	
R1805	1-216-821-11	METAL CHIP	1K 5% 1/10W	S818	1-786-050-21	SWITCH, KEY BOARD (DISPLAY)	
R1806	1-216-821-11	METAL CHIP	1K 5% 1/10W	S819	1-786-050-21	SWITCH, KEY BOARD (ALBUM -) (J3000M)	
R1807	1-216-821-11	METAL CHIP	1K 5% 1/10W	S820	1-786-050-21	SWITCH, KEY BOARD (REPEAT/FM MODE)	
						(J3000)	
R1808	1-216-821-11	METAL CHIP	1K 5% 1/10W	S821	1-786-050-21	SWITCH, KEY BOARD (POP)	
R1809	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	S822	1-786-050-21	SWITCH, KEY BOARD (ROCK)	
R1810	1-216-829-11	METAL CHIP	4.7K 5% 1/10W				
R1811	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			< VIBRATOR >	
R1812	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	X801	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)	

R1813	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			POWER-SW BOARD (J3000M)	
R1814	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			*****	
R1815	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			< CAPACITOR >	
R1816	1-216-829-11	METAL CHIP	4.7K 5% 1/10W				
R1817	1-216-827-11	METAL CHIP	3.3K 5% 1/10W				
R1818	1-216-829-11	METAL CHIP	4.7K 5% 1/10W				
R1819	1-216-809-11	METAL CHIP	100 5% 1/10W				
R1820	1-216-809-11	METAL CHIP	100 5% 1/10W				
R1821	1-216-809-11	METAL CHIP	100 5% 1/10W				
R1822	1-216-821-11	METAL CHIP	1K 5% 1/10W	△C001	1-113-920-11	CERAMIC	0.0022uF 20% 250V

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

CX-J3000/J3000M

PT

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	ACCESSORIES

CN003	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
		< SWITCH >	
△ S001	1-572-267-71	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	

		PT BOARD	

	1-533-233-31	FUSE HOLDER	
		< CONNECTOR >	
CN004	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
		(J3000M)	
* CN005	1-564-508-11	PLUG, CONNECTOR 5P (J3000M)	
* CN005	1-564-511-11	PLUG, CONNECTOR 8P (J3000)	
		< SWITCH >	
△ S2	1-786-404-11	SELECTOR, VOLTAGE (SWS-2201)	
		(VOLTAGE SELECTOR) (J3000M: E51)	

		MISCELANEOUS	

△ 8	1-769-412-22	CORD, POWER (J3000)	
54	1-471-248-11	MAGNET	
63	1-757-689-11	CABLE, FLEXIBLE FLAT (16 CORE)	
112	1-796-486-91	DECK, MECHANICAL (CWM43FR55)	
158	1-829-919-11	CABLE, FLEXIBLE FLAT (14 CORE) (J3000)	
159	1-829-920-11	CABLE, FLEXIBLE FLAT (20 CORE) (J3000M)	
161	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)	
162	1-773-006-11	WIRE (FLAT TYPE) (15 CORE) (J3000)	
162	1-769-982-11	WIRE (FLAT TYPE) (13 CORE) (J3000M)	
163	1-757-649-11	WIRE (FLAT TYPE) (15 CORE)	
205	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (J3000M)	
△ 206	1-769-744-52	CORD, POWER (J3000M: RU, E51)	
△ 206	1-827-226-11	CORD, POWER (J3000M: MX)	
551	X-2162-707-2	CHASSIS ASSY (RDP) (RP), MOTOR	
		(including M701 (SPINDLE))	
△ 555	8-820-161-02	OPTICAL PICK-UP (KSS-213R/C2RP)	
ANT501	1-754-309-11	ANTENNA, ROD	
△ F001	1-532-504-51	FUSE (T4AL/250V) (J3000, J3000M: RU)	
△ F001	1-532-505-51	FUSE (T5AL/250V) (J3000M: E51, MX)	
△ F002	1-532-504-51	FUSE (T4AL/250V) (J3000, J3000M: RU)	
△ F002	1-532-505-51	FUSE (T5AL/250V) (J3000M: E51, MX)	
△ F003	1-532-388-51	FUSE (T2AL/250V)	
△ F004	1-532-505-51	FUSE (T5AL/250V) (J3000)	
M702	X-2126-712-2	GEAR ASSY (R) (RP), MOTOR (SLED)	
△ PT001	1-443-380-11	TRANSFORMER, POWER (J3000M: E51)	
△ PT002	1-443-379-11	TRANSFORMER, POWER	
		(J3000, J3000M: RU)	
△ PT002	1-443-383-11	TRANSFORMER, POWER (J3000M: MX)	
S851	1-692-960-11	SWITCH, PUSH (1 KEY)	
		(CD LID OPEN/CLOSE DETECT)	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

MEMO

REVISION HISTORY

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Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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