

CX-JT8

SERVICE MANUAL

Ver 1.0 2003.04

*AEP Model
UK Model
E Model
Australian Model*



CX-JT8 is the tuner, amplifier, cassette deck and CD player section in JAX-T8 and JAX-PK8.

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM74F-K6BD71A
	Base Unit Name	BU-K6BD71A
	Optical Block Name	KSM-213DCP
	Optical Pick-up Name	KSS-213D
Tape deck Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CWM43RR23

SPECIFICATIONS

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	16.8 dBf
FM antenna terminal	75 ohms (unbalanced)
AM tuning range	531 kHz to 1602 kHz
AM usable sensitivity	350 μ V/m
AM antenna	Loop antenna

AMPLIFIER

Power output	Front: Rated: 144 W + 144 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference: 180 W + 180 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) MUSIC POWER: 320 W + 320 W Front and Surround: 125 W + 55 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN AUDIO) 0.08 % (90 W, 1 kHz, 6 ohms, DIN AUDIO) Total harmonic distortion
Input	MD (VIDEO): 1.5 V
Outputs	SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 8 kHz
Recording system	AC bias
Heads	Deck A: playback x 1 Deck B: recording/playback x 1, erase x 1

CD PLAYER

Laser	Semiconductor laser (λ = 780 nm) Emission duration: continuous
D/A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)

GENERAL

Power requirements	230 V AC, 50/60 Hz
Power consumption	210 W
Power consumption in standby mode	With ECO mode on: 0.25 W With ECO mode off: 24 W
Dimensions (W x H x D)	280 x 328 x 437 mm (AEP, UK, CIS, E, SP, AUS) 280 x 328 x 446 mm (E51)
Weight	10.3 kg

Specifications and external appearance are subject to change without notice.

COPYRIGHT

Check copyright laws relevant to recordings from discs, or tape for the country where the unit is to be used.

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- Abbreviation
AUS : Australian model
E51 : Chilean and Peruvian models
SP : Singapore model

COMPACT DISC DECK RECEIVER

9-877-255-01
2003D0500-1
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Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation



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.

This label 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.

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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.

LASER DIODE AND FOCUS SEARCH OPERATION
CHECK

Carry out the “S curve check” in “CD section adjustment” and check that the S curve waveforms is output three times.

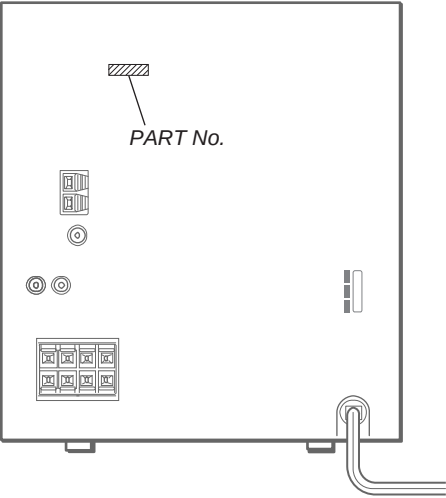
UNLEADED SOLDER

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)

 : 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.

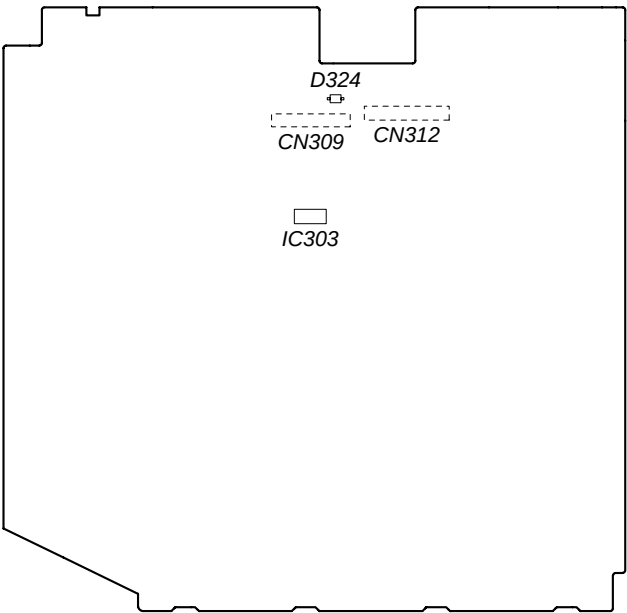
• MODEL IDENTIFICATION
– Back Panel –



MODEL	PART No.
Chilean and Peruvian models	4-245-109-0□
AEP, UK, CIS and Australian models	4-245-109-2□
E and Singapore models	4-245-109-7□

- DISCRIMINATION
Either type of the MAIN board, Part No. 1-688-080-11 or 1-688-080-13 is used for Chilean and Peruvian models.
Note: For other models, only one type of the MAIN board, Part No. 1-688-080-13 is used.
How to identify the type is described below.

– MAIN BOARD (Conductor Side) –

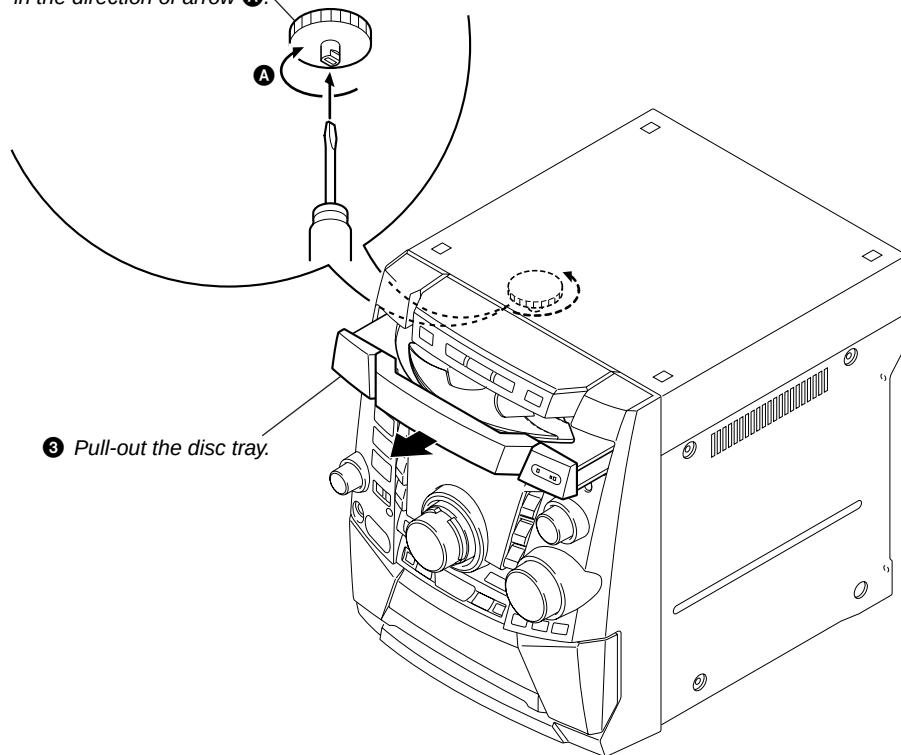


	D324
Suffix-11	×
Suffix-13	○

HOW TO OPEN THE DISC TRAY WHEN POWER SWITCH TURNS OFF.

❶ Remove the case (side-L).

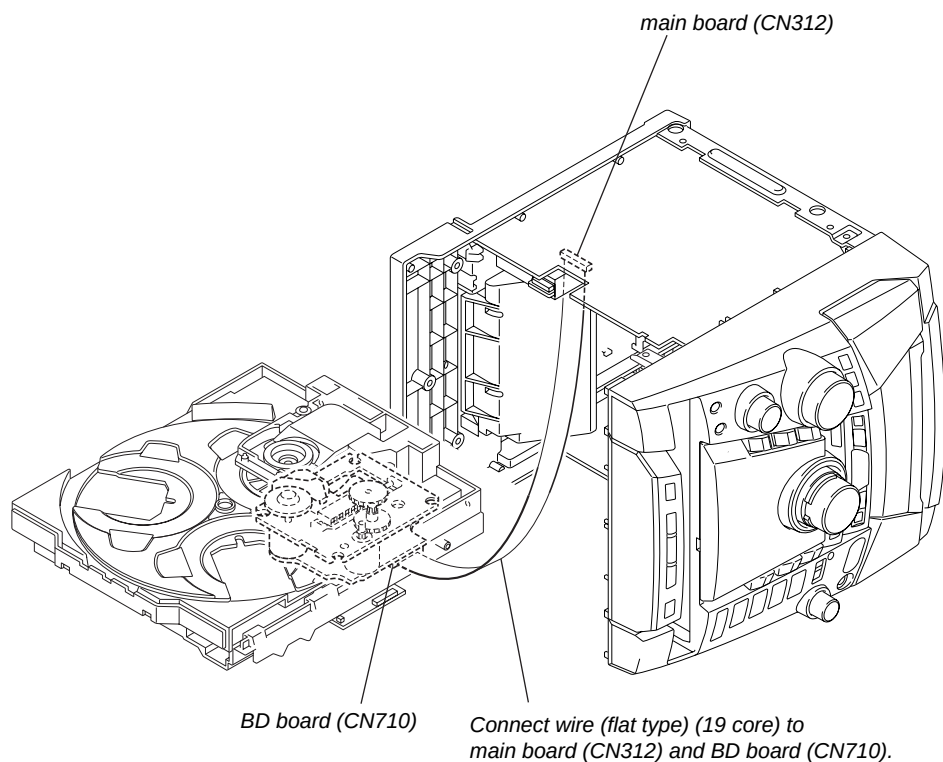
❷ Turn the loading gear in the direction of arrow A.



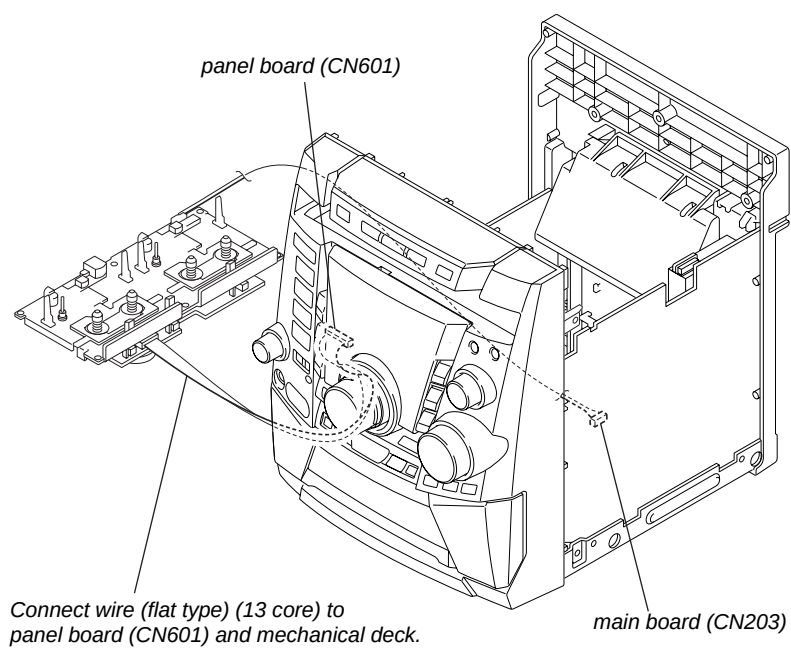
❸ Pull-out the disc tray.

SERVICE POSITION

– CD mechanism deck –



– Tape mechanism deck –



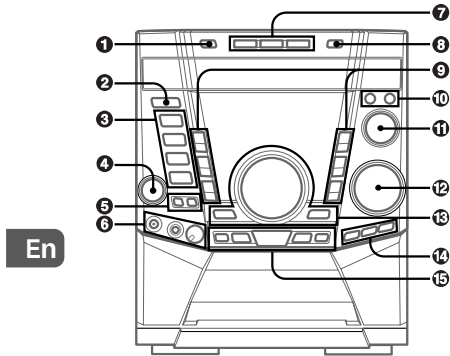
SECTION 2 GENERAL

This section is extracted from instruction manual.

• LOCATION OF CONTROLS

Main unit: front

Refer to the pages indicated in parentheses for details.



En

1 DISC CHANGE/DISC SKIP

Rotates the CD trays.

2 POWER $\odot$ STANDBY/ON

Switches the unit on and off (standby).
The red indicator flashes when receiving a signal from the remote.

3 TAPE A/B

Selects Tape function, and deck A or B.

TUNER BAND

Selects Tuner function and the radio band.

MD (VIDEO)

Selects the function of external equipment connected to MD (VIDEO) jacks.

CD

Selects CD function.

4 TREBLE/MIDDLE

Enhances high or middle frequency sound.

5 CD SYNC

Starts Automatic CD dubbing.

REC PAUSE/START

Starts recording.

6 PHONES jack

Plug in here an optional headphones set with a mini stereo plug ($\phi 3.5$ mm). Speaker output is canceled.

MIC jack (Except AEP, UK and CIS models)

Connects the microphone here.

MIC MIXING

(Except AEP, UK and CIS models)

Adjusts the microphone volume.

7 DISC DIRECT PLAY 1-3

Selects a disc.

8 $\triangle$ OPEN/CLOSE

Opens or closes the disc compartment.

9 HEAVY, VOCAL, SALSA, TECHNO, HIP HOP, MANUAL

Activates a graphic equalization curve.

10 MODE

Selects various modes (Play mode and Tape reverse, when used in combination with ENTER and MULTI

ENTER

Fixes the modes and the time (Play mode and reverse, etc.) when used in combination with MODE MULTI JOG.

11 MULTI JOG

CD: skips to a previous or a succeeding track.
Tuner: selects a preset station.
Clock and Timer: sets the time.
Selects the mode and the time when used in combination with MODE and ENTER.

12 VOLUME

Adjusts the volume.

13 BASS

Adjusts low frequency sound.

SURROUND

Switches surround on and off.

i-Bass

Produces rich and clear low frequency sound.

14 DISPLAY

Displays the time and the remaining time for CD.
When the unit is off, press DISPLAY to switch between DEMO, Clock and ECO display modes.

ALBUM $\nabla/\blacktriangle$

Selects a previous album or a succeeding album with MP3-CDs.

PTY (AEP and UK models)

Displays a program type for RDS (Radio Data System)

15 $\lll$ TUNING DOWN, $\ggg$ TUNING UP ($\lll$, $\ggg$)

CD: searches a track in fast forward or fast reverse playback when held down.
Tape: fast forwards or rewinds the tape.
Tuner: manually tunes down or up within the band.

|| PAUSE

CD and Tapes: pauses playback.

$\blacktriangleleft\blacktriangleright$ DIRECTION

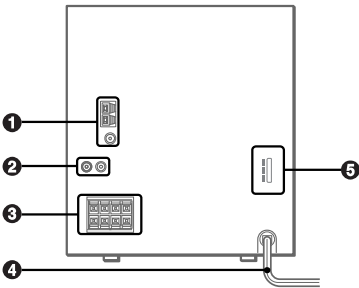
CD and Tapes: starts playback.

■ STOP

CD and Tapes: stops playback.

Main unit: rear

Refer to the pages indicated in parentheses for details.



1 AM LOOP, ∇ FM 75 Ω terminals

Plug in the supplied AM and FM antennas here.

2 MD (VIDEO) jacks

Accepts analog sound signals from external equipment. Connect using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack). Refer also to the operating instructions of your equipment. To switch function to external input, press MD (VIDEO).

Tip:

To change the displayed name for this function, turn the unit on, then hold down MD (VIDEO) and press POWER on the unit. Repeat the procedure to select "MD" or "VIDEO".

3 SURROUND SPEAKER terminals

Connect for each speaker the blue cord to the $\oplus$ terminal and the black cord to the $\ominus$ terminal.

FRONT SPEAKER terminals

Connect for each speaker the red cord to the $\oplus$ terminal and the black cord to the $\ominus$ terminal.

4 AC power cord

5 AC VOLTAGE selector

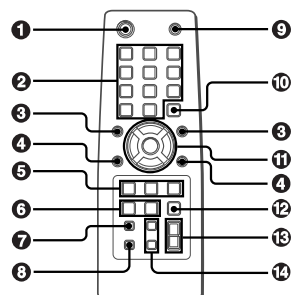
(Chilean and Peruvian models)

Switches AC voltage among 120V, 220V, and 230V - 240V. Make sure it matches your local voltage.

En

Remote control

Refer to the pages indicated in parentheses for details.



En

Buttons with the same or similar names with the main unit basically have the same function.

1 POWER

2 1-0/10, +10

Selects a CD track of the specified number.

The numbered buttons take on these functions below when pressed together with **SHIFT**: held down

EDIT

Enters Automatic CD dubbing mode when pressed in stop mode.

BAND

Selects Tuner function and the radio band.

TAPE A/B

Selects Tape function, and deck A or B.

SPECTRUM

Changes the spectrum analyzer display.

TUNER MODE

Switches between stereo or monaural FM reception.

KARAOKE (Except AEP, UK and CIS models)

Selects Vocal Fader mode.

GEQ

Enters Graphic Equalizer setting mode.

TUNER MEMORY

Tuner: stores the received station in to preset.

SURROUND

Switches surround on and off.

3 I◀◀, ▶▶I

CD: selects a track.

Tuner: selects a preset station.

BASS, MID and TREBLE: adjusts the level.

Clock and T timer: sets the time.

4 ALBUM V/Λ

Selects a previous album or a succeeding album.

5 PLAY MODE

CD: selects a playback mode.

Tape: selects a reverse mode

REPEAT

Enters CD repeat playback mode.

ENTER

6 CLOCK/TIMER/SET

Enters timer setting mode.

CLOCK/TIMER/SELECT

Selects timer playback, timer recording or timer off.

7 DISPLAY

Displays the time and the remaining time for CD.

When the unit is off, press **DISPLAY** to switch between DEMO, Clock and ECO display modes.

8 SHIFT

Hold down when pressing a numbered button to change its function to that printed above the number.

e.g.)

"Press **SHIFT+BAND** on the remote" indicates "Hold down **SHIFT** and press '2' (**BAND**)". Doing so makes be able to select Tuner function and the radio band.

9 FUNCTION

Switches the active function among CD, TAPE, TUNER and MD (VIDEO).

10 DISC SKIP

Select a disc.

11 ▶/◀▶

CD and Tape: starts playback.



CD and Tape: stops playback.



CD: searches a track in fast forward or fast reverse

playback when held down.

Tape: fast forwards or rewinds the tape.

Tuner: manually tunes down or up within the band.



CD and Tape: pauses playback.

12 SLEEP

Switches the sleep-timer on/off and selects the duration.

13 VOLUME (+, -)

Adjusts the volume.

14 SOUND

Selects BASS, MID or TREBLE setting mode

CLEAR

Clears a track of the CD programmed playback and a Radio preset station.

Note (AEP, UK and CIS models)

The buttons not explained above (**KARAOKE**) do not operate for this unit.

Setting the clock

Use the remote.

1 Press CLOCK/TIMER/SET.

Go to step 3 when the time appears and the 'hour' flashes.

2 Press I◀◀ or ▶▶I repeatedly until "CLOCK" appears in the display and then press ENTER.

3 Press I◀◀ or ▶▶I repeatedly to set the hour and then press ENTER.

4 Press I◀◀ or ▶▶I repeatedly to set the minute and then press ENTER.

The time display stops flashing and the clock starts from 00 seconds.

• MULTI JOG is also available in place of I◀◀ or ▶▶I.

To display the time

Press **DISPLAY**. The time will be displayed for 6 seconds.

Tip: (Except AEP, UK and CIS models)

"AM 12:00" indicates midnight and "PM12:00" noon.

If "-:--" appears when the unit is turned off

There has been a power interruption. Re-set the clock.

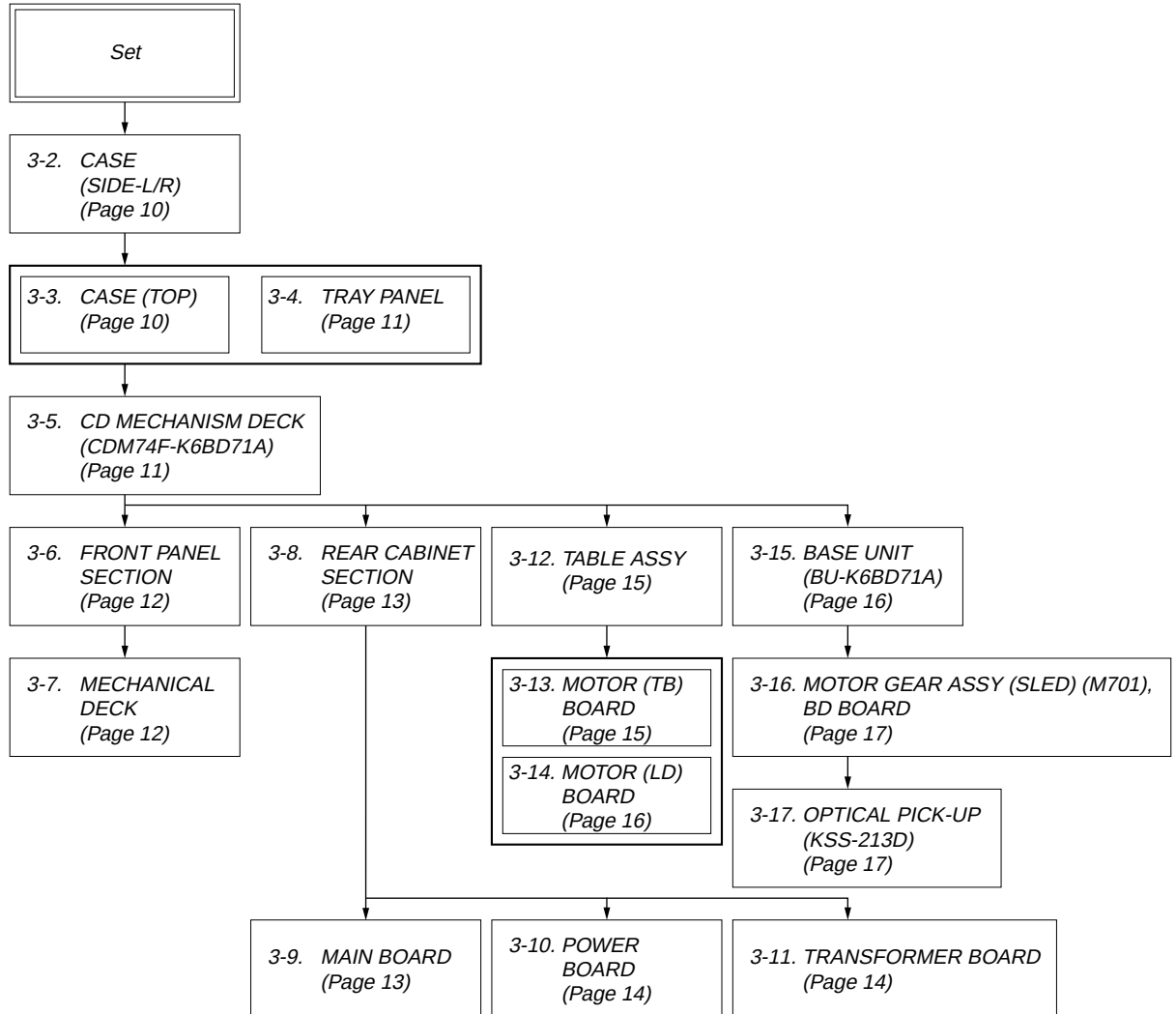
SECTION 3 DISASSEMBLY

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

3-1. DISASSEMBLY FLOW

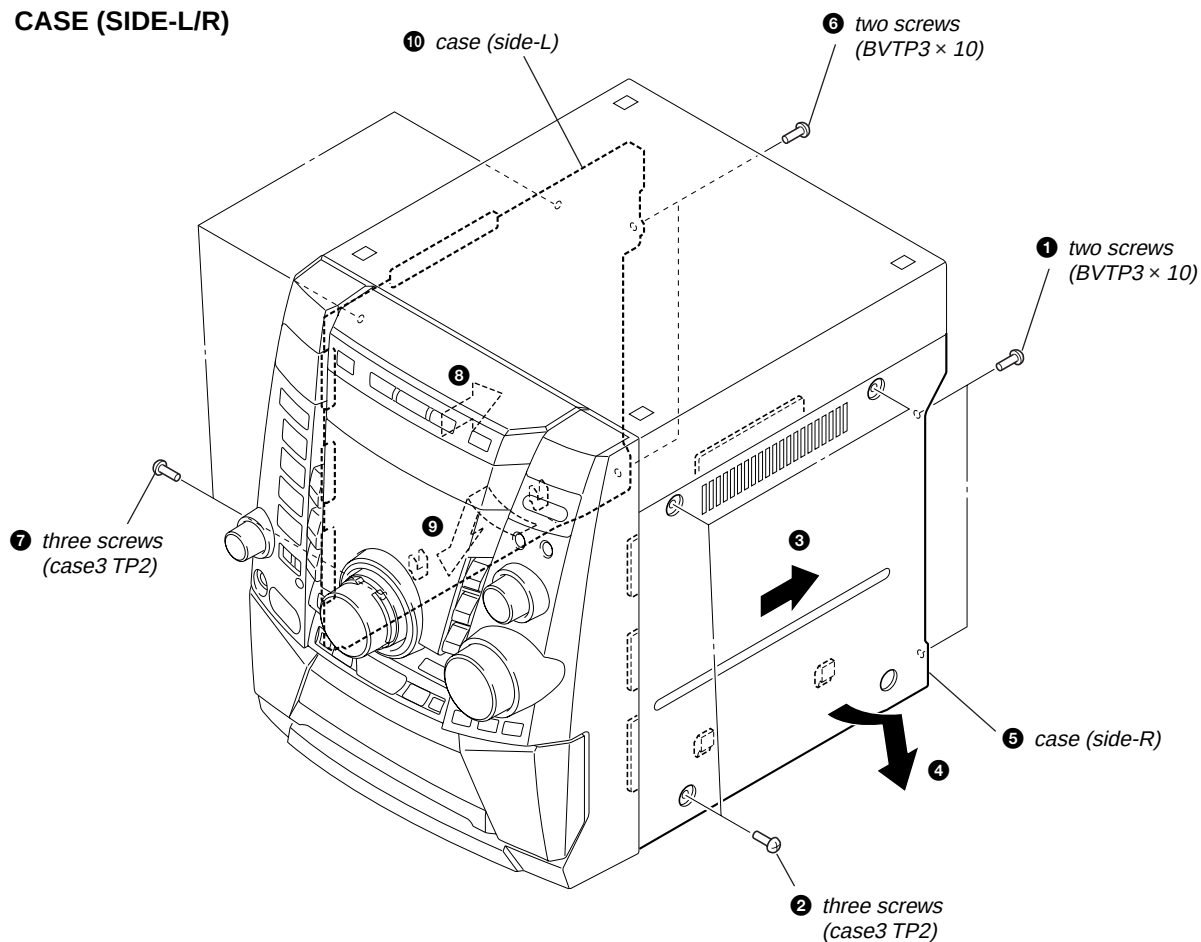
Note 1: The process described in  can be performed in any order.

Note 2: Without completing the process described in , the next process can not be performed.

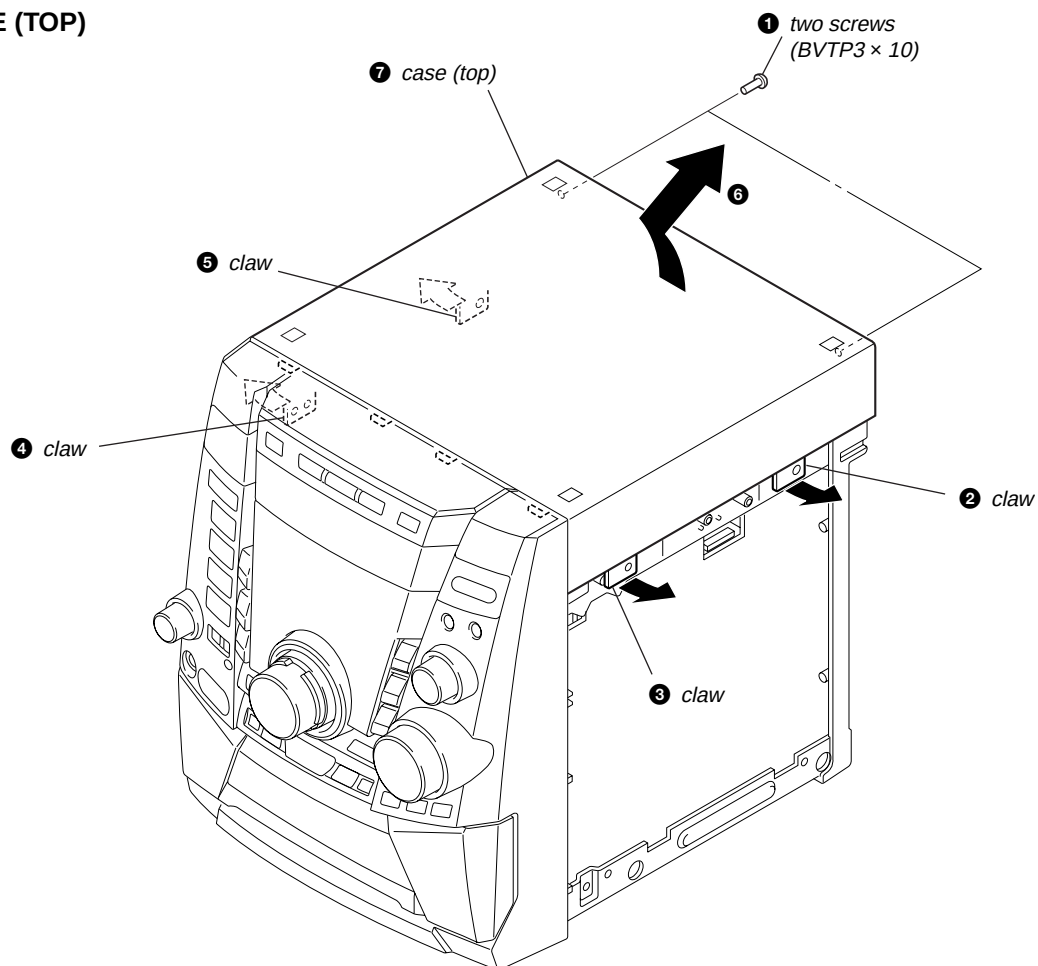


Note: Follow the disassembly procedure in the numerical order given.

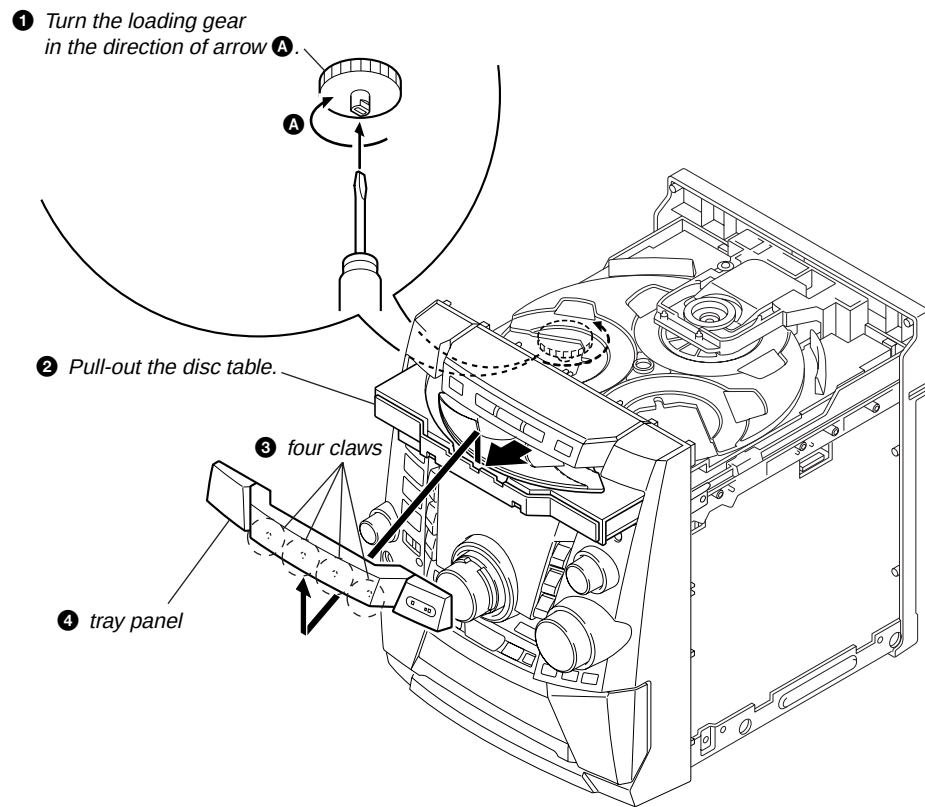
3-2. CASE (SIDE-L/R)



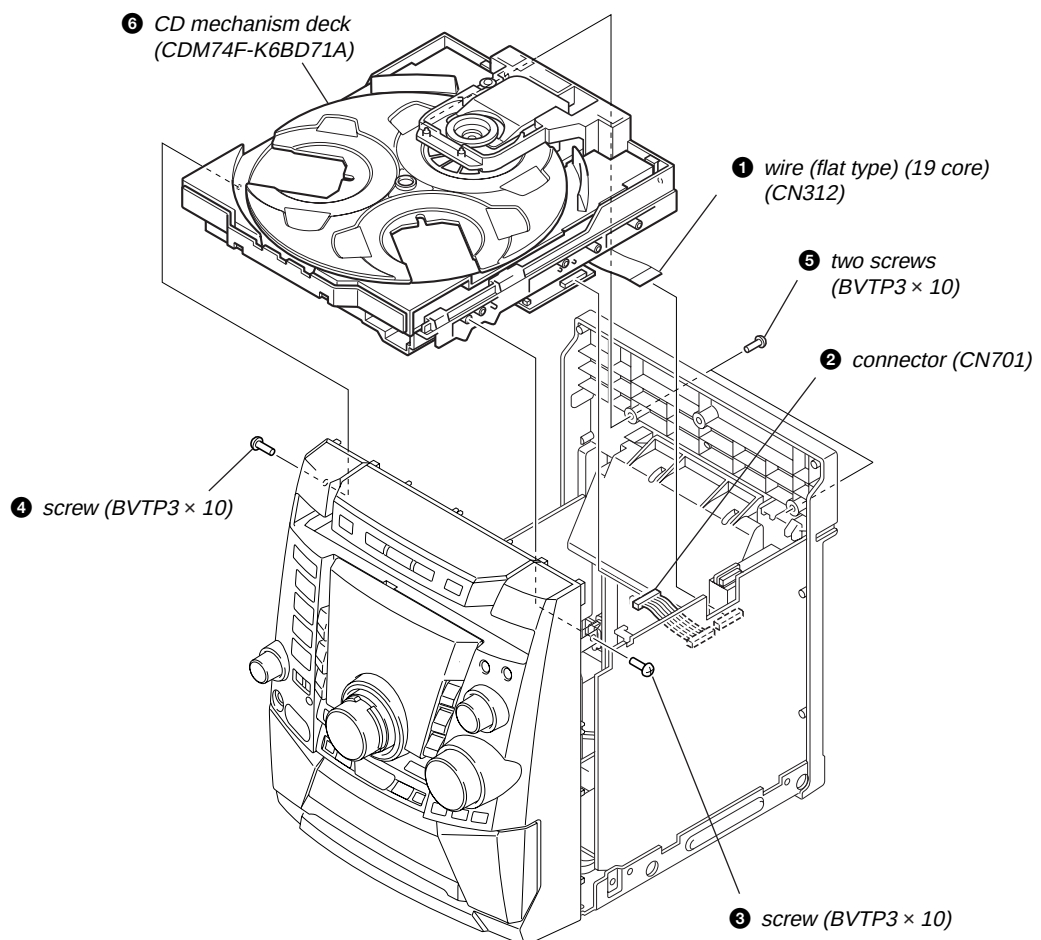
3-3. CASE (TOP)



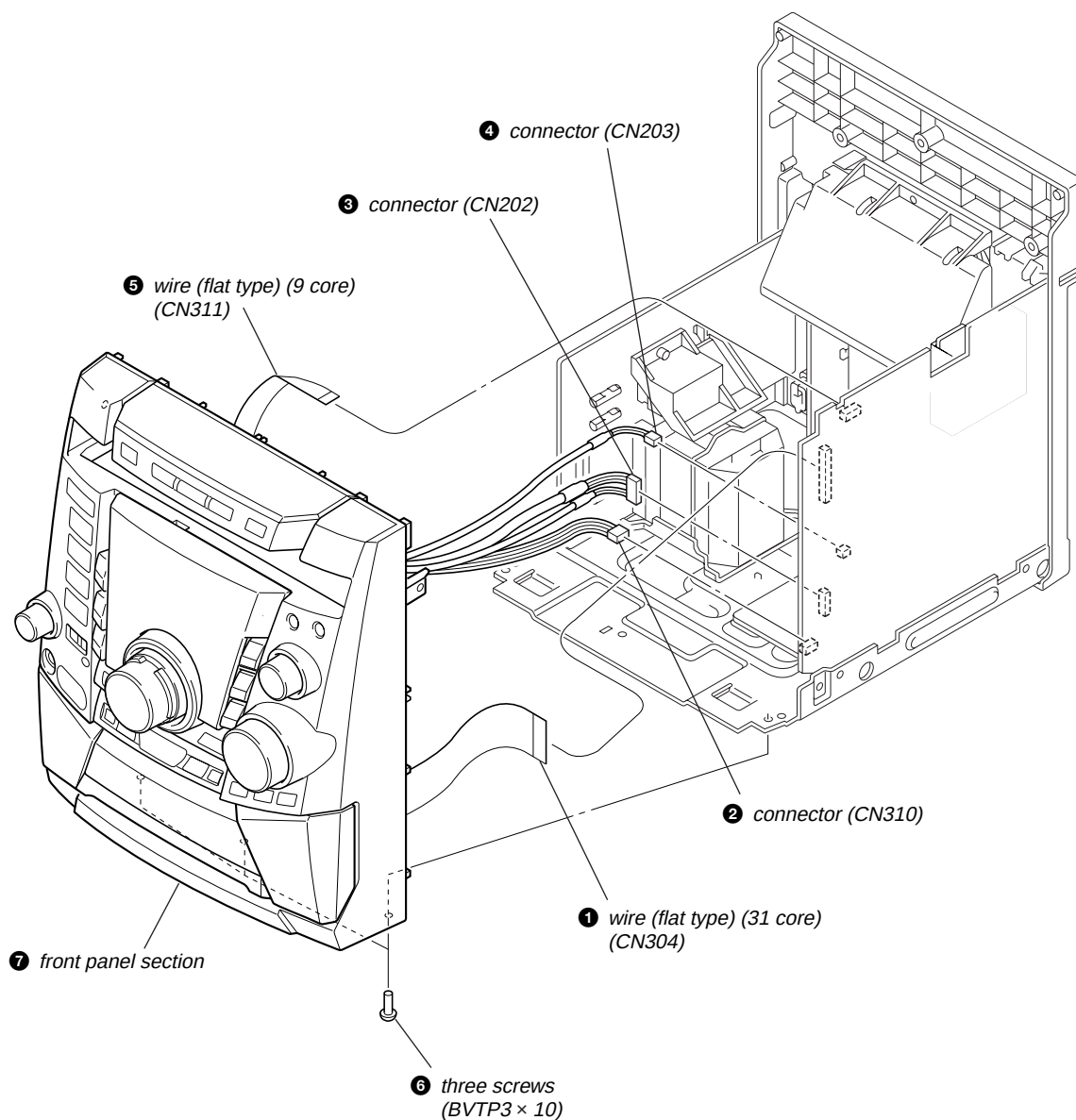
3-4. TRAY PANEL



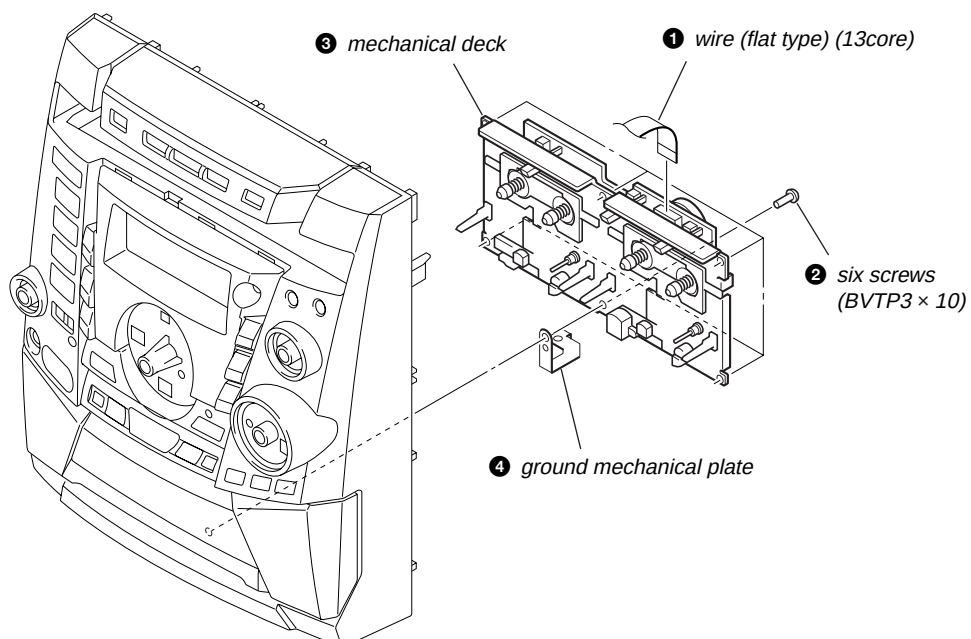
3-5. CD MECHANISM DECK (CDM74F-K6BD71A)



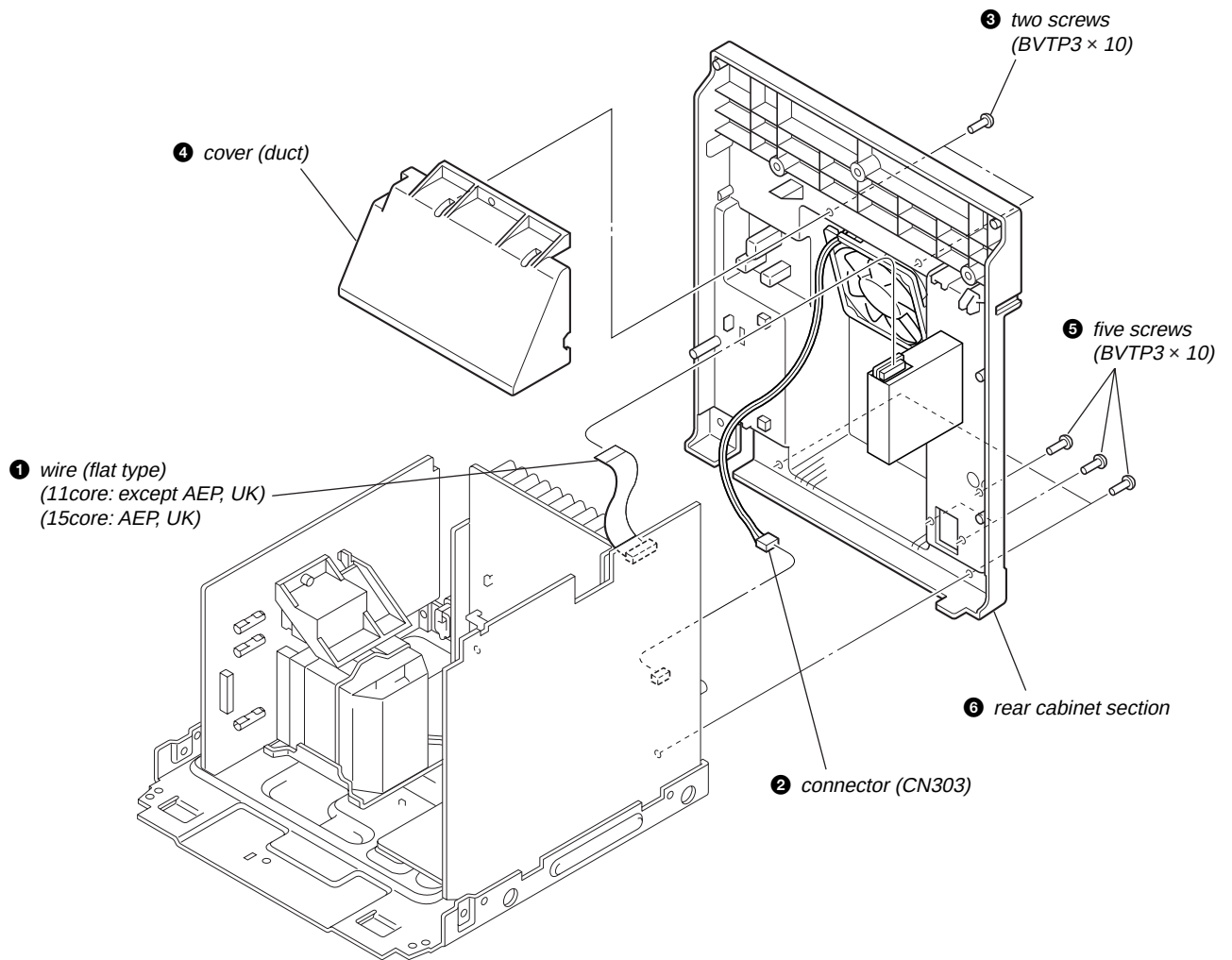
3-6. FRONT PANEL SECTION



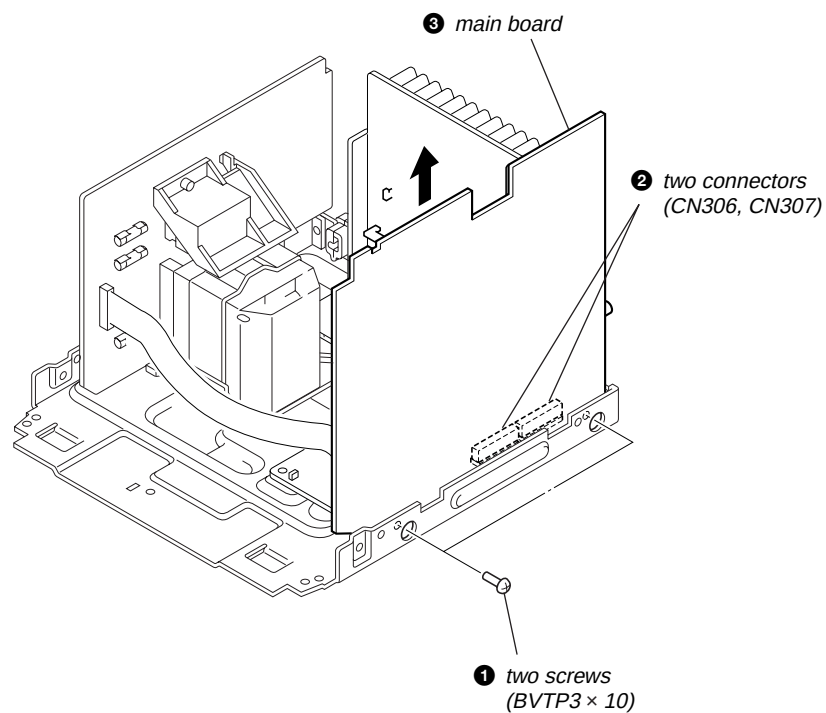
3-7. MECHANICAL DECK



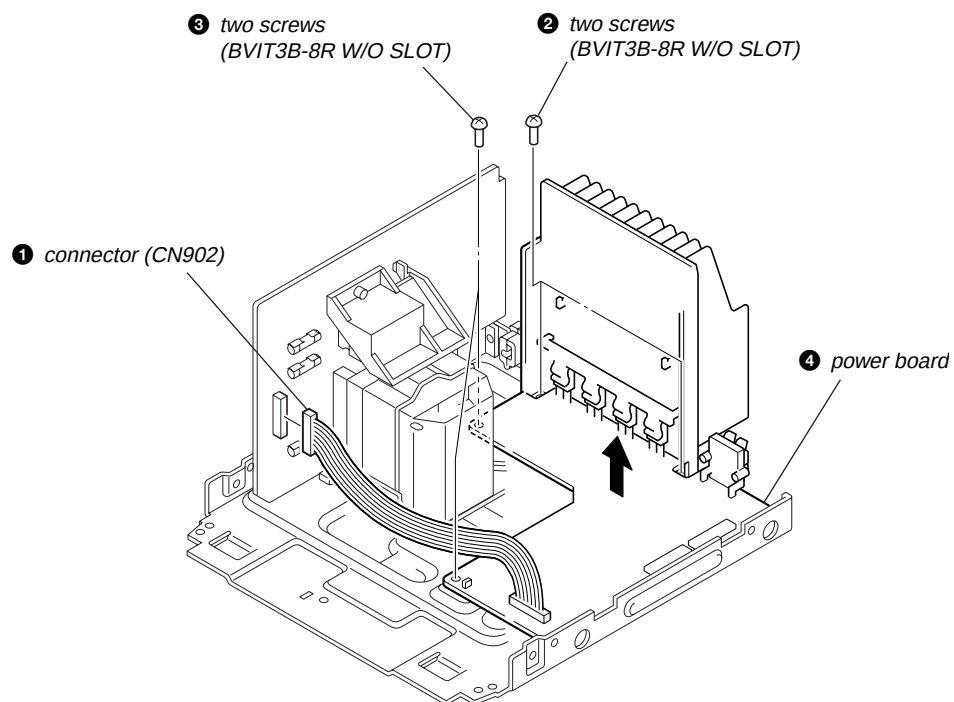
3-8. REAR CABINET SECTION



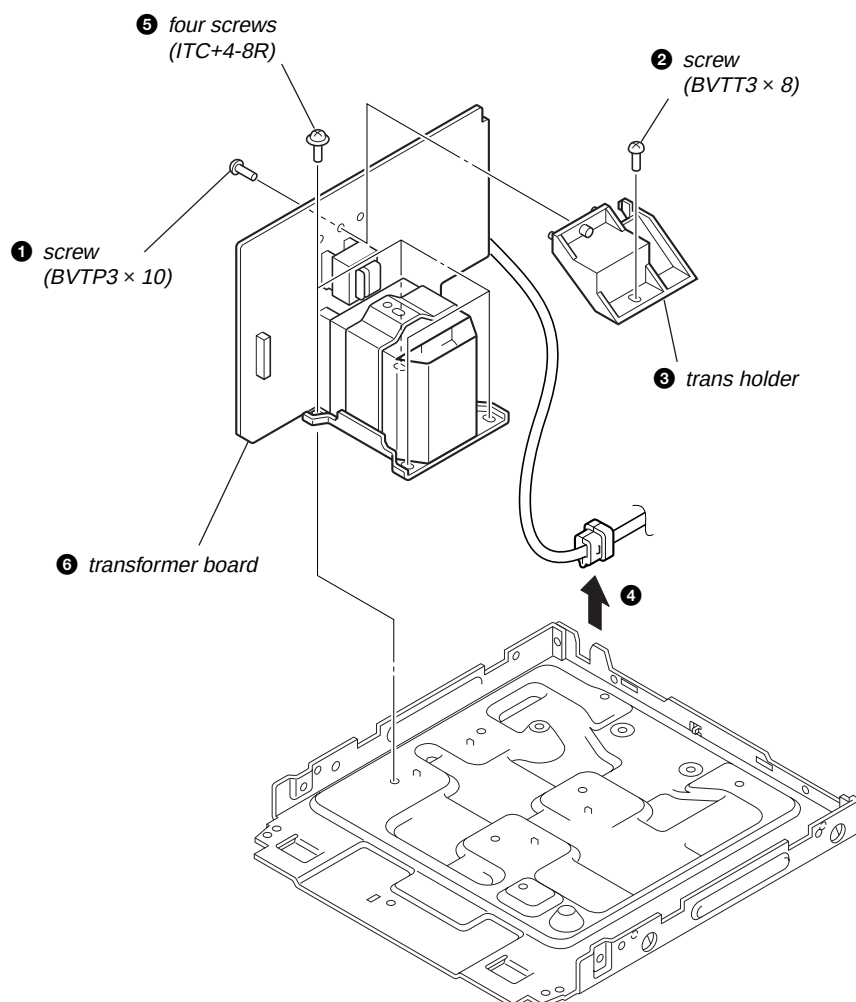
3-9. MAIN BOARD



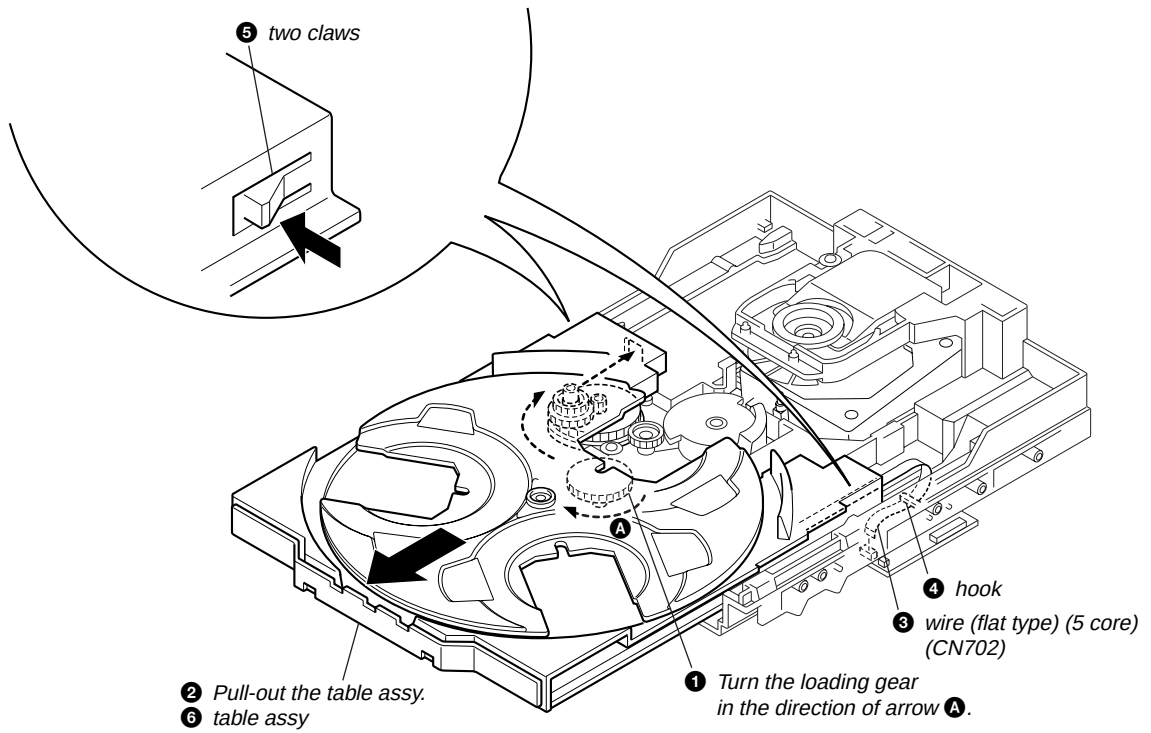
3-10. POWER BOARD



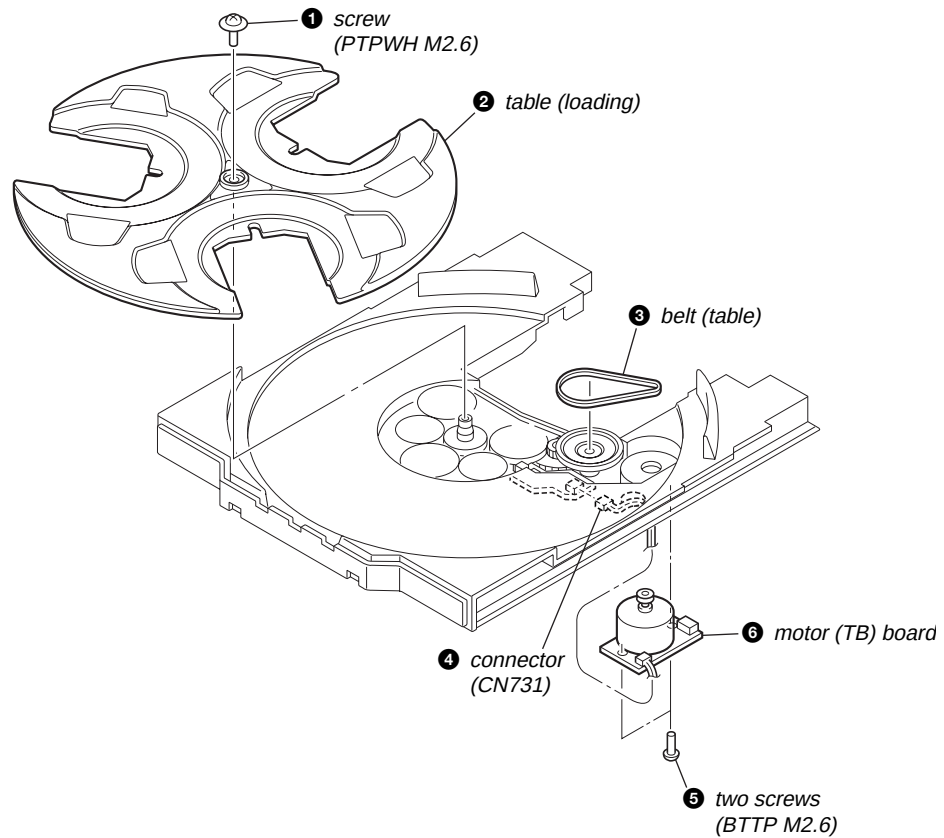
3-11. TRANSFORMER BOARD



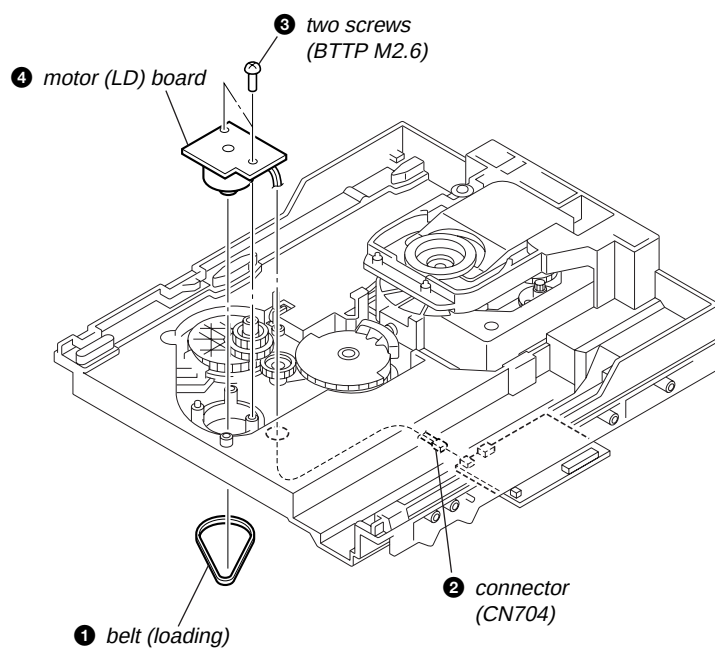
3-12. TABLE ASSY



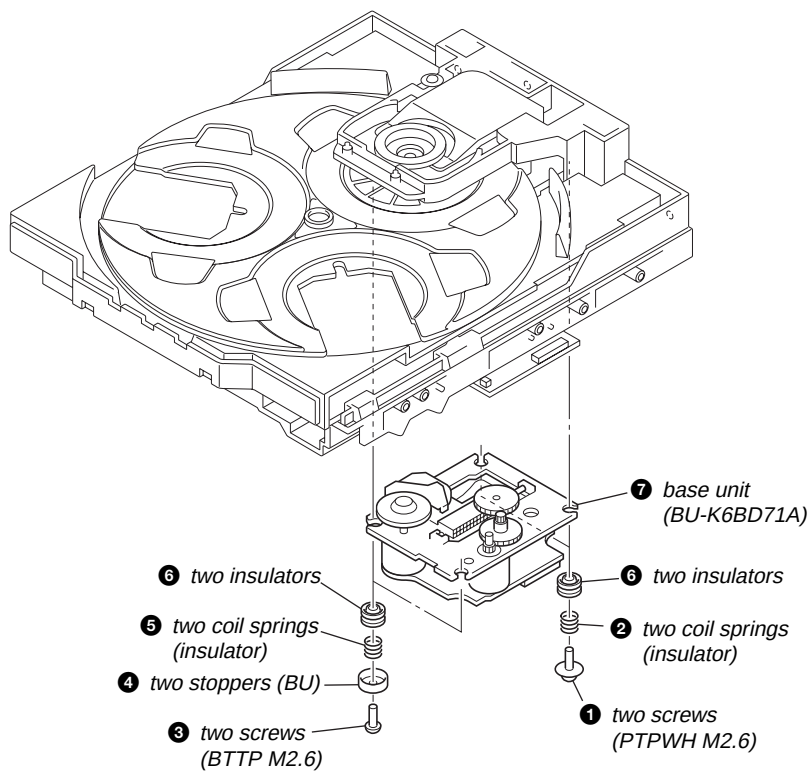
3-13. MOTOR (TB) BOARD



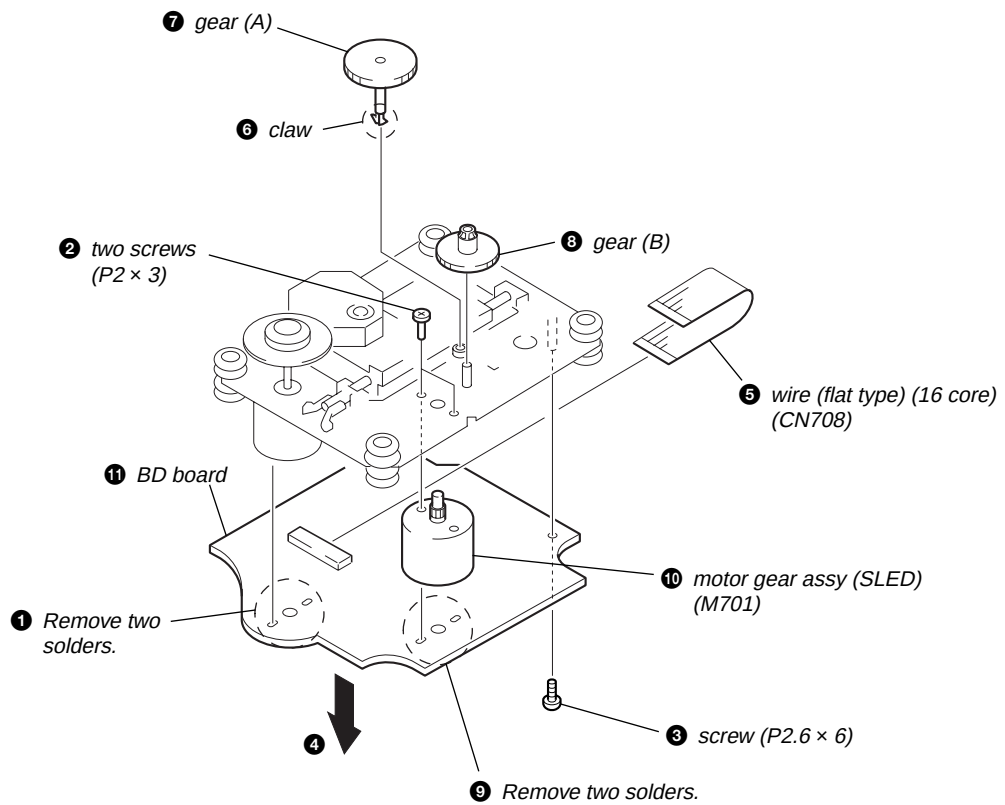
3-14. MOTOR (LD) BOARD



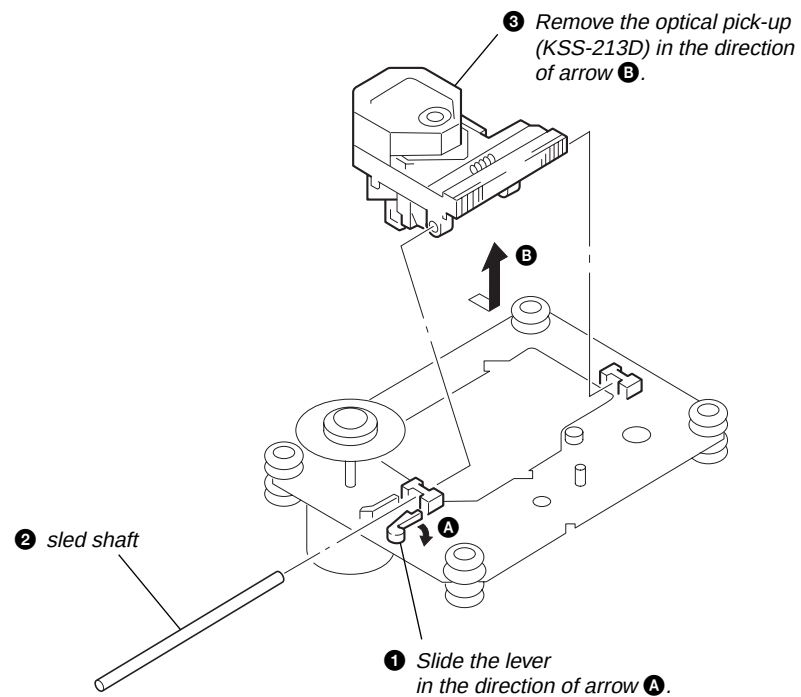
3-15. BASE UNIT (BU-K6BD71A)



3-16. MOTOR GEAR ASSY (SLED) (M701), BD BOARD



3-17. OPTICAL PICK-UP (KSS-213D)



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]** key to turn the power ON.
- Press three keys of **[■]**, **[ENTER]** and **[POWER]** simultaneously.
- The message "RESET" is displayed on the fluorescent indicator tube momentarily, then becomes standby states.

[TUNER STEP CHANGE-OVER]

(Except AEP, UK and CIS models)

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

Procedure:

- Press the **[POWER]** key to turn the power ON.
- Press the **[TUNER BAND]** key to select "AM".
- Press the **[POWER]** key to turn the power OFF.
- Press two keys of **[ENTER]** and **[POWER]** simultaneously.
- The message "9K STEP" or "10K STEP" is displayed on the fluorescent indicator tube, and thus the channel step is changed over.

[CD SHIP MODE]

- This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:

- Press the **[POWER]** key to turn the power ON.
- Press the **[CD]** key to select "CD".
- Press two keys of **[CD]** and **[POWER]** simultaneously.
- The message "LOCK" is displayed on the fluorescent indicator tube, and the CD ship mode is set.

[CHANGE-OVER FUNCTION OF MD/VIDEO]

- This mode is used to enable function of external input to change over between MD and VIDEO.

Procedure:

- Set to standby state.
- Press two keys of **[MD (VIDEO)]** and **[POWER]** simultaneously.
- The message "MD" or "VIDEO" is displayed on the fluorescent indicator tube, and the function of external input is changed over.

[CD TRAY LOCK MODE]

- This mode is used to unable to take sample disc out of tray in the shop.

Procedure:

- Press the **[POWER]** key to turn the power ON.
- Press the **[CD]** key to select "CD".
- While pressing the **[■]** key, press the **[▲]** key for 5 seconds.
- The message "LOCKED" is displayed on the fluorescent indicator tube and the tray is locked. (Even if pressing the **[▲]** key, the message "LOCKED" is displayed on the fluorescent indicator tube and the tray is locked)
- To release from this mode, while pressing the **[■]** key, press the **[▲]** key for 5 seconds.
- The message "UNLOCKED" is displayed on the fluorescent indicator tube and the tray is unlocked.

[AMP TEST MODE]

- This mode is used to set the parameter of AMP IC for adjustment of tone quality and VACS level and display VACS status.

Procedure:

- Press the **[POWER]** key to turn the power ON.
- Press three keys of **[■]**, **[HEAVY]** and **[HIP POP]** simultaneously.
- When the AMP test mode is activated, the message "AMP TEST" is displayed on the fluorescent indicator tube momentarily.
- Press two keys of **[HEAVY]** and **[DISC DIRECT PLAY 2]** simultaneously, mode is changed over to parameter setting of AMP IC and display of VACS status.
- When the VACS ON, the message "V2255255" is displayed on the fluorescent indicator tube, and when the VACS OFF, the message "2255255" is displayed on the fluorescent indicator tube.
- Press the **[VOCAL]** key, DBFB ON/OFF is changed over.
- Press the **[ENTER]** key, surround ON/OFF is changed over.
- Press the **[MANUAL]** key, EQ band is changed over to LOW, MID or HIGH.
- Press the **[HIP POP]** and **[TECHNO]** key, EQ curve adjustment value is changed over between -8dB to +8dB.
- To release from this mode, press two keys of **[HEAVY]** and **[TECHNO]** simultaneously.

[AGING MODE]

- This mode can be used for operation check of CD section and tape deck section.
- CD section and tape deck section work in parallel.

If an error occurred:

The aging operation stops only an error occurred sections and display then status.

If no error occurs:

The aging operation continues repeatedly.

Procedure:

- Press the **[POWER]** key to turn the power ON.
- Press the **[CD]** key to select "CD".
- Set disc on the tray and set tape into the deck.
- Set the "ALL DISCS" mode and "REV OFF" mode.
- Press three keys of **[■]**, **[HEAVY]** and **[DISC CHANGE/DISC SKIP]** simultaneously.
- The message "AGING" is displayed on the fluorescent indicator tube momentarily, then aging operations of CD and tape are started at the same time.
- To release from this mode, operate the "COLD RESET".

1. Display at the Aging Mode

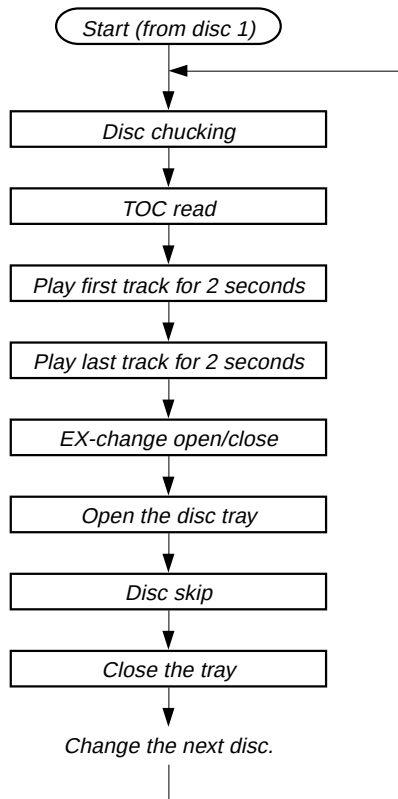
Display operating state of CD section and tape deck section alternately.

If an error occurred, stop display which that section.

2. CD Section

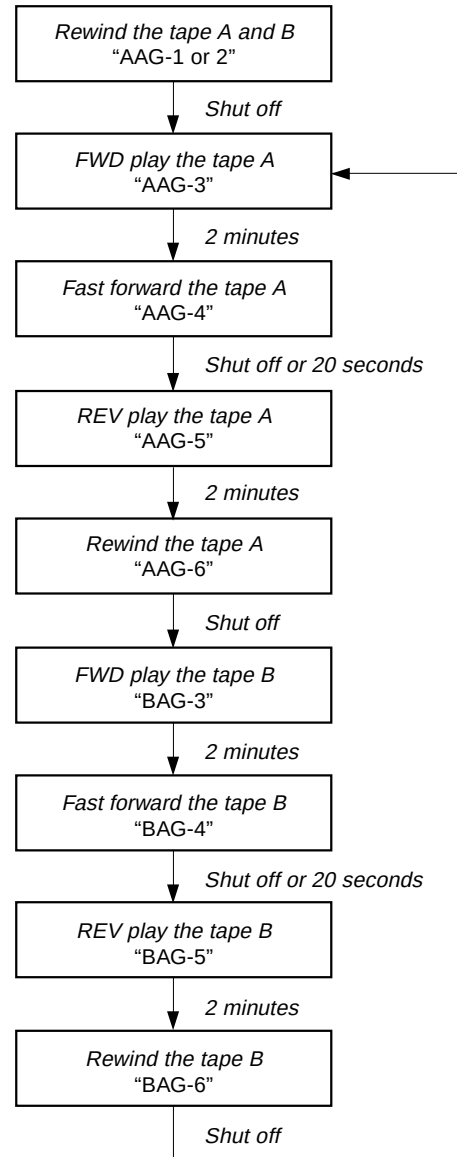
The sequence during the aging mode is following as below.

Display at the aging mode is the same as the normal operation.

Aging mode sequence (CD section) :**3. Tape Deck Section**

The sequence during the aging mode is following as below.

If an error occurred, stop display that step.

Aging mode sequence (tape deck section) :

Note: "*AG-*" is display of each step.

[GC TEST MODE]

- This mode is used to check the fluorescent indicator tube, LED and key.

Procedure:

1. Press the **[POWER]** key to turn the power ON.
2. Press three keys of **[■]**, **[HEAVY]** and **[DISC DIRECT PLAY 2]** simultaneously.
3. Fluorescent indicator tube and LEDs are all turned ON.
4. Press two keys of **[HEAVY]** and **[DISC DIRECT PLAY 2]** simultaneously, mode is changed over.
5. In the key check mode, press each key, the defined key number of every each key list is displayed on the fluorescent indicator tube.
6. In the key count check mode, "K-CNT 0" is displayed on the fluorescent indicator tube. Each time a key is pressed, "K" value increases. However, once a key is pressed, it is no longer taken into account.
7. In the headphone input check mode, connect the headphone, the message "H_P ON" is displayed on the fluorescent indicator tube, and disconnect the headphone, the message "H_P OFF" is displayed on the fluorescent indicator tube.
8. In the volume check mode, turn the **[VOLUME]** knob, the display on the fluorescent indicator tube is changed over to "VOL UP", "VOL FLAT" or "VOL DOWN"

[MC TEST MODE]

- This mode is used to check operations of Amplifier.

Procedure:

1. Press the **[POWER]** key to turn the power ON.
2. Press three keys of **[■]**, **[HEAVY]** and **[DISC DIRECT PLAY 3]** simultaneously.
3. When the MC test mode is activated, the message "MC MODE" is displayed on the fluorescent indicator tube momentarily, then VACS level is displayed on the fluorescent indicator tube.
4. Press the **[TECHNO]** key, the display on the fluorescent indicator tube is changed over to "EQ MAX", press the **[MANUAL]** key, the display on the fluorescent indicator tube is changed over to "EQ MID", press the **[HIP POP]** key, the display on the fluorescent indicator tube is changed over to "EQ MIN",
5. Turn the **[VOLUME]** knob, the display on the fluorescent indicator tube is changed over to "VOL MAX", "VOL MID" or "VOL MIN"
6. Press the **[ENTER]** key, VACS ON/OFF is changed over.
7. When the **[REC PAUSE/START]** key is pressed with a tape set in the deck-B, the function is switched "MD" or "VIDEO" and recording starts. When the **[◀▶]** or **[▶▶]** key is pressed during recording, the tape is rewind back to the beginning of recording, the function is switched to "TAPE B", then playback starts.
8. When the **[CD SYNC]** key is pressed with the test tape (AMS-100, AMS-110A) in the deck, number of space between tunes is counted, then if AMS-110A is set, "OK" is displayed on the fluorescent indicator tube and if AMS-100 is set, "NG" is displayed on the fluorescent indicator tube.
9. To release from this mode, press the **[POWER]** key.

[MODEL, DESTINATION AND VERSION DISPLAY]

- This mode is used to check the model, destination and software version.

Procedure:

1. Set to the standby state.
2. Press three keys of **[■]**, **[TECHNO]** and **[HEAVY]** simultaneously.
3. When the model, destination and version display mode is activated, the model and destination is displayed on the fluorescent indicator tube.
4. Press two keys of **[HEAVY]** and **[DISC DIRECT PLAY 2]** simultaneously, mode is changed over to model and destination display mode and version display mode.
5. In the version display mode, press the **[DISC DIRECT PLAY 3]** key, display is changed over to version display and year, month and day of the software creation display.
6. To release from this mode, press the two keys of **[TECHNO]** and **[HEAVY]** simultaneously.

[CD ERROR CODE DISPLAY]

- This mode can be used for error display of CD section.

Procedure:

1. Press the **[POWER]** key to turn the power ON.
2. Press the **[CD]** key to select "CD".
3. Press three keys of **[■]**, **[HEAVY]** and **[DISC DIRECT PLAY 1]** simultaneously.

Note: Error code is not displayed on the liquid crystal display.

[CD SERVICE MODE]

- This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the optical pick-up.

Procedure:

1. Press the **[POWER]** key to turn the power ON.
2. Press the **[CD]** key to select "CD".
3. Press three keys of **[■]**, **[HEAVY]** and **[▲]** simultaneously.
4. When the CD service mode is activated, the message "TRVS ON" is displayed on the fluorescent indicator tube.
5. Press the **[▶▶]** key, optical pick-up move to outside track and the message "SLED OUT" is displayed on the fluorescent indicator tube.
6. Press the **[◀◀]** key, optical pick-up move to inside track and the message "SLED IN" is displayed on the fluorescent indicator tube..
7. Press the **[TECHNO]** key, traverse ON/OFF is changed over.

[5 REPEAT LIMIT CANCEL]

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

Procedure:

1. Press the **[POWER]** key to turn the power ON.
2. Press the **[CD]** key to select "CD".
3. Press three keys of **[■]**, **[HEAVY]** and **[◀▶]** simultaneously.

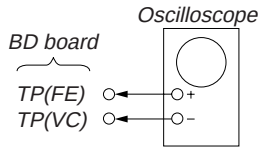
SECTION 5
ELECTRICAL ADJUSTMENTS

CD SECTION

Note:

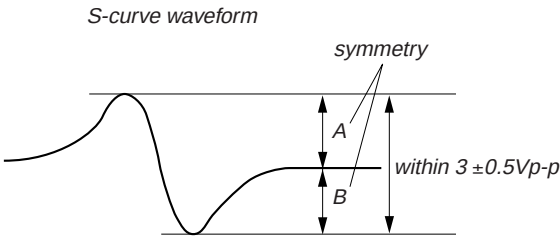
1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S-CURVE CHECK



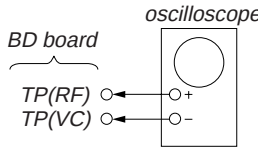
Procedure :

1. Connect an oscilloscope to TP (FE) and TP (VC).
2. Turn the power on.
3. Load a disc (YEDS-18) and actuate the focus search. (In consequence of open and close the disc tray, actuate the focus search)
4. Confirm that the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3 ± 0.5 Vp-p.



- Note:
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
 - Take sweep time as long as possible and light up the brightness to obtain best waveform.

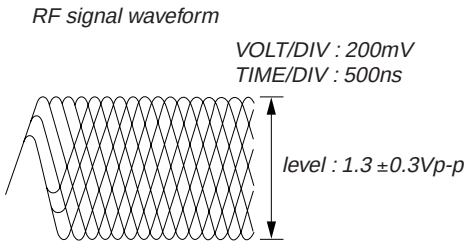
RF LEVEL CHECK



Procedure :

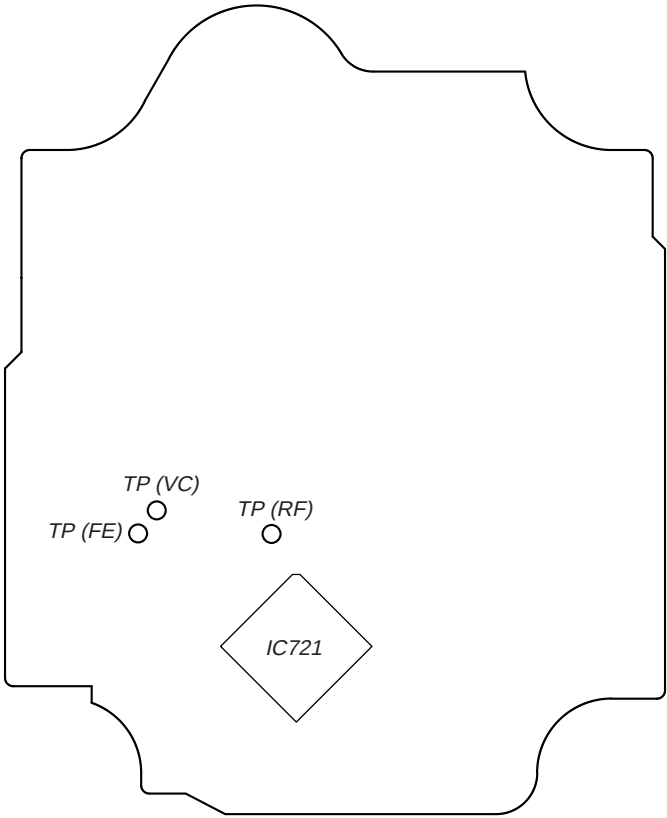
1. Connect an oscilloscope to TP (RF) and TP (VC).
2. Turn the power on.
3. Load a disc (YEDS-18) and playback.
4. Confirm that oscilloscope waveform is clear and check if RF signal level is correct or not.

Note: Clear RF signal waveform means that the shape “◇” can be clearly distinguished at the center of the waveform.



Connecting Location: BD board

– BD Board (Conductor side) –

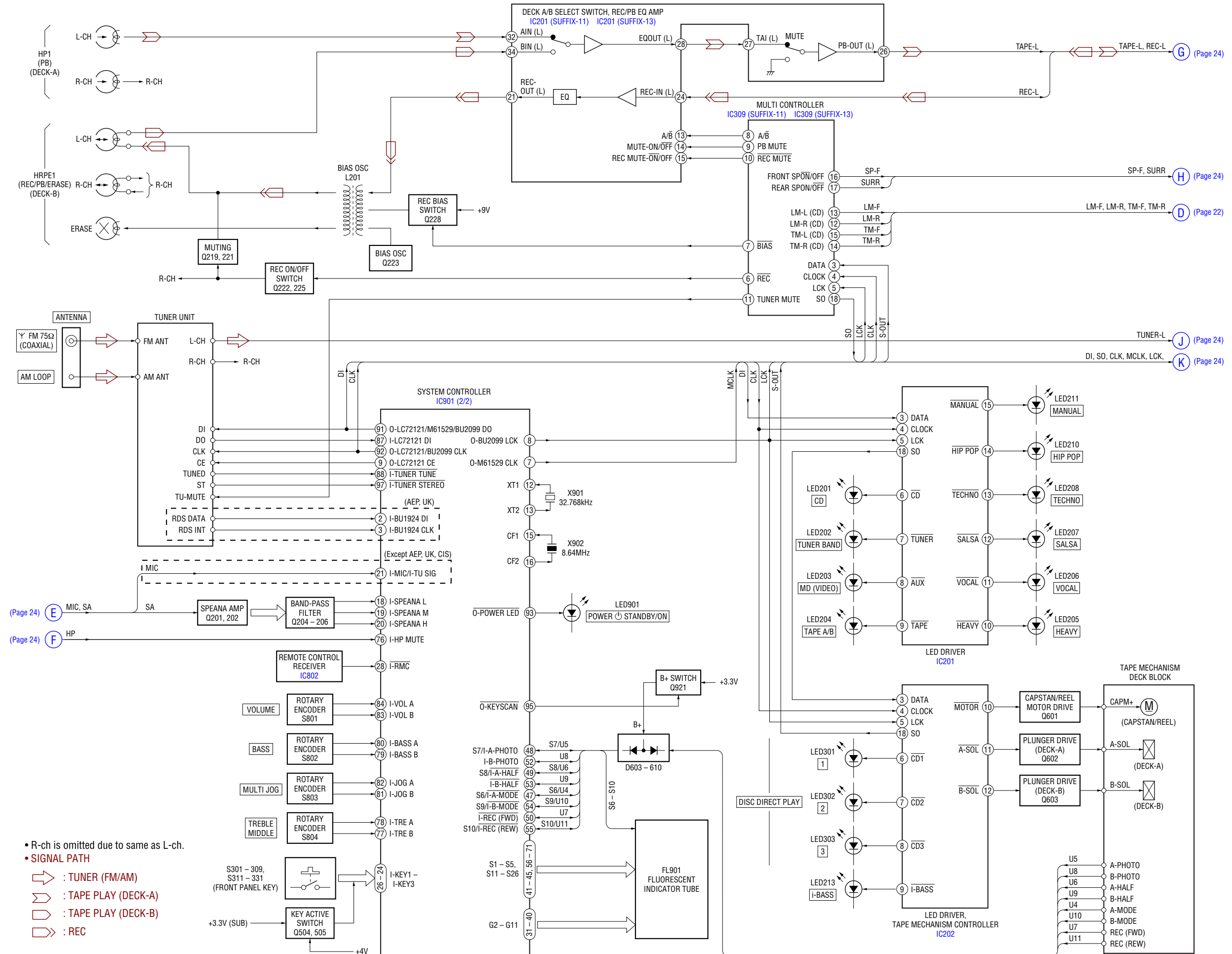


The diagram illustrates the internal circuitry of a CD player, organized into several functional blocks:

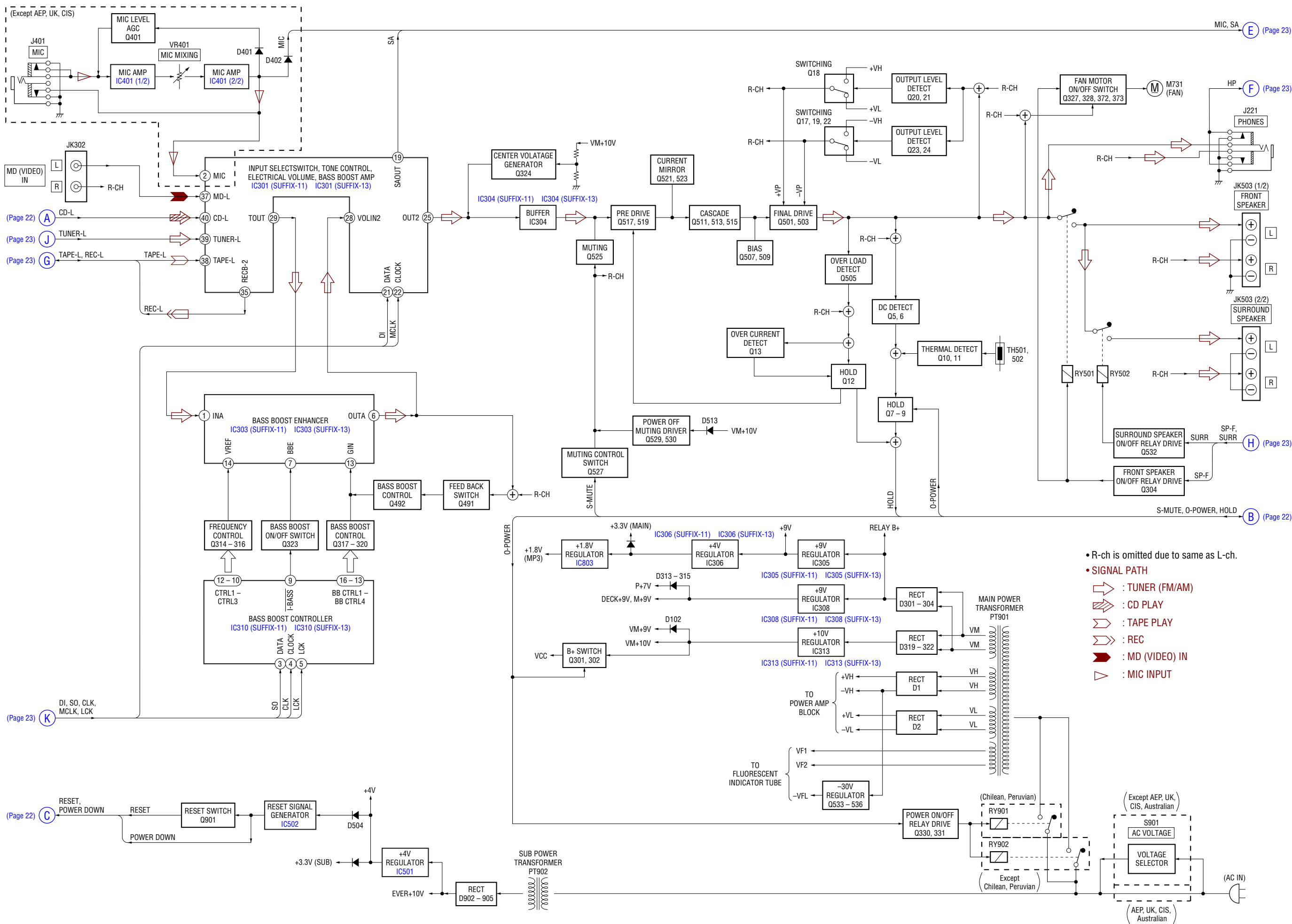
- Optical Pickup Section (Left):** Includes a LASER DIODE, DETECTOR, and OPTICAL PICK-UP BLOCK (KSM-213DCP). It also features a 2-AXIS DEVICE for focus and tracking.
- RF and Error Amplification (Top Left):** The RF signal is amplified by an RF AMP, then passes through an EQ and AGC stage. The error signal is processed by an ERROR CORRECT block.
- Digital Signal Processing (Top Center):** The DIGITAL SIGNAL PROCESSOR, DIGITAL SERVO PROCESSOR, and DIGITAL FILTER, D/A CONVERTER (IC721) handle the digital data.
- MP3 Decoder (Top Right):** The MP3 DECODER (IC801) processes the digital data into MP3 format.
- System Controller (Bottom Center):** The SYSTEM CONTROLLER (IC901 1/2) manages the overall system, including the loading motor drive (IC701) and table motor drive (IC712).
- Motor Drives (Bottom):** The FOCUS/TRACKING COIL DRIVE, SPINDLE/SLED MOTOR DRIVE (IC722) controls the laser and disc rotation. The LOADING MOTOR DRIVE (IC701) and TABLE MOTOR DRIVE (IC712) control the disc loading and table movement.
- Output and Control (Right):** The output is sent to the CD-L output. The CD PLAY button is connected to the CD PLAY input. The SYSTEM CONTROLLER also manages the loading motor drive and table motor drive.

The diagram is a detailed schematic showing the interconnections between these components, including various pins, signals, and control lines. It also includes a legend for the CD PLAY button and a note about the R-ch being omitted due to the same as L-ch.

6-2. BLOCK DIAGRAM – TUNER/TAPE/PANEL Section –



6-3. BLOCK DIAGRAM – AMP/POWER SUPPLY Section –



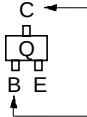
6-4. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

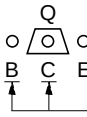
- : parts extracted from the component side.
 - : parts extracted from the conductor side.
 - : Pattern from the side which enables seeing.
- (The other layers' patterns are not indicated.)

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

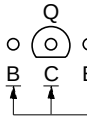
- Indication of transistor.



These are omitted.



These are omitted.



These are omitted.

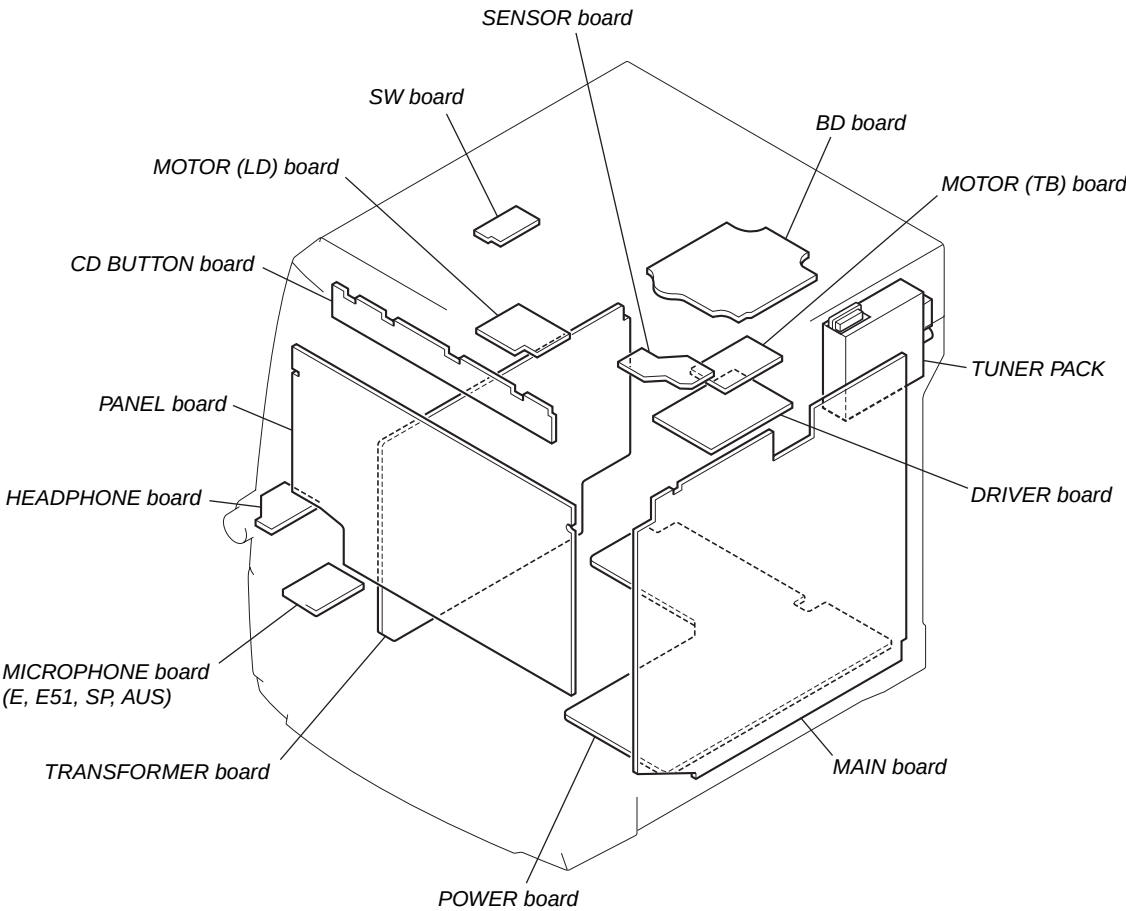
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$ 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.
- : nonflammable resistor.
- : panel designation.

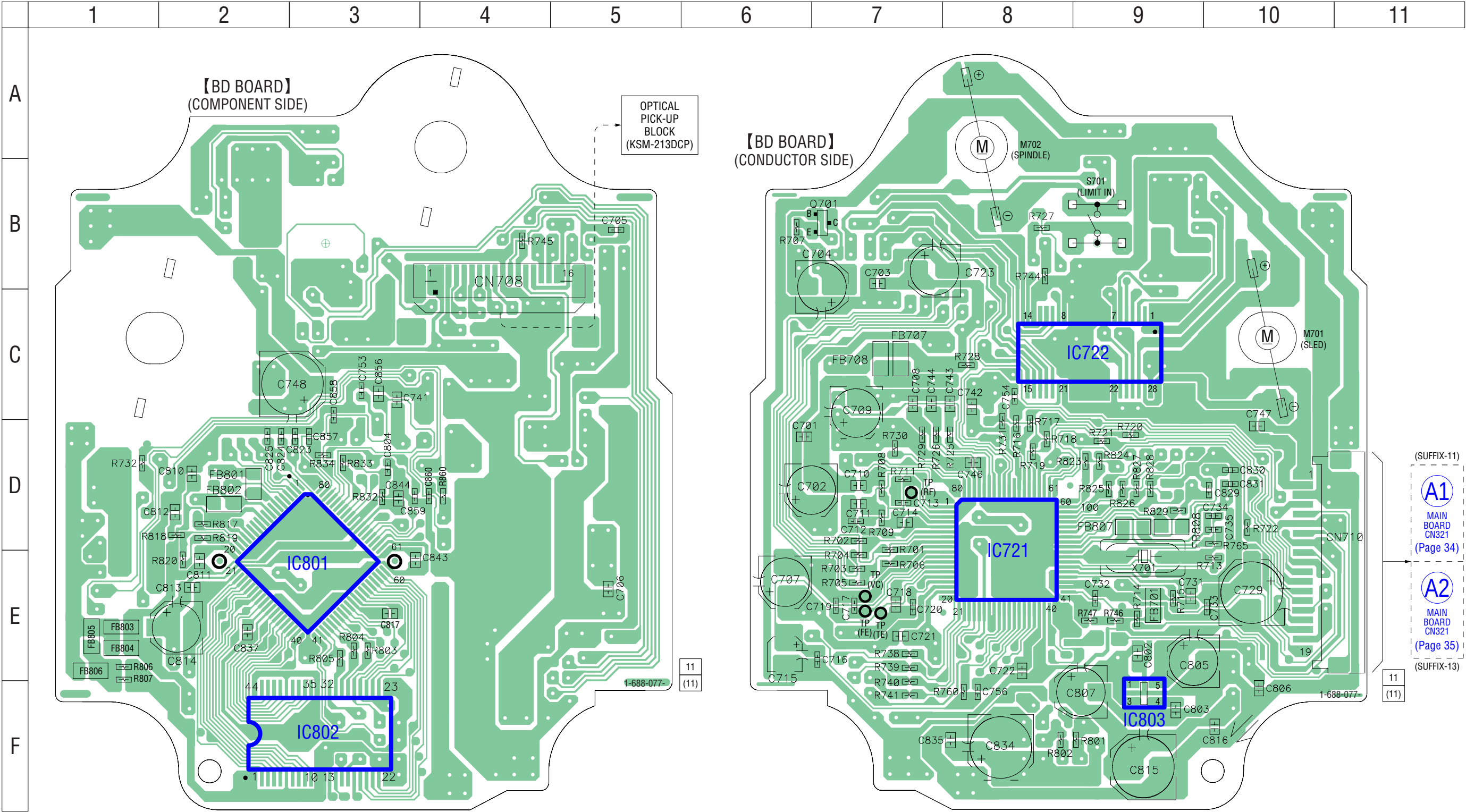
Note: The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

- : B+ Line.
- - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
() : CD PLAY
[] : TAPE PLAY (DECK-A)
{ } : TAPE PLAY (DECK-B)
<< >> : REC
* : Impossible to measure
- 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.
▶ : TUNER (FM/AM)
◀ : CD PLAY
◀▶ : TAPE PLAY (DECK-A)
▶◀ : TAPE PLAY (DECK-B)
◀▶ : REC
▶◀▶ : MD (VIDEO) IN
▶ : MIC INPUT
- Abbreviation
AUS : Australian model
E51 : Chilean and Peluvian models
SP : Singapore model

• Circuit Boards Location



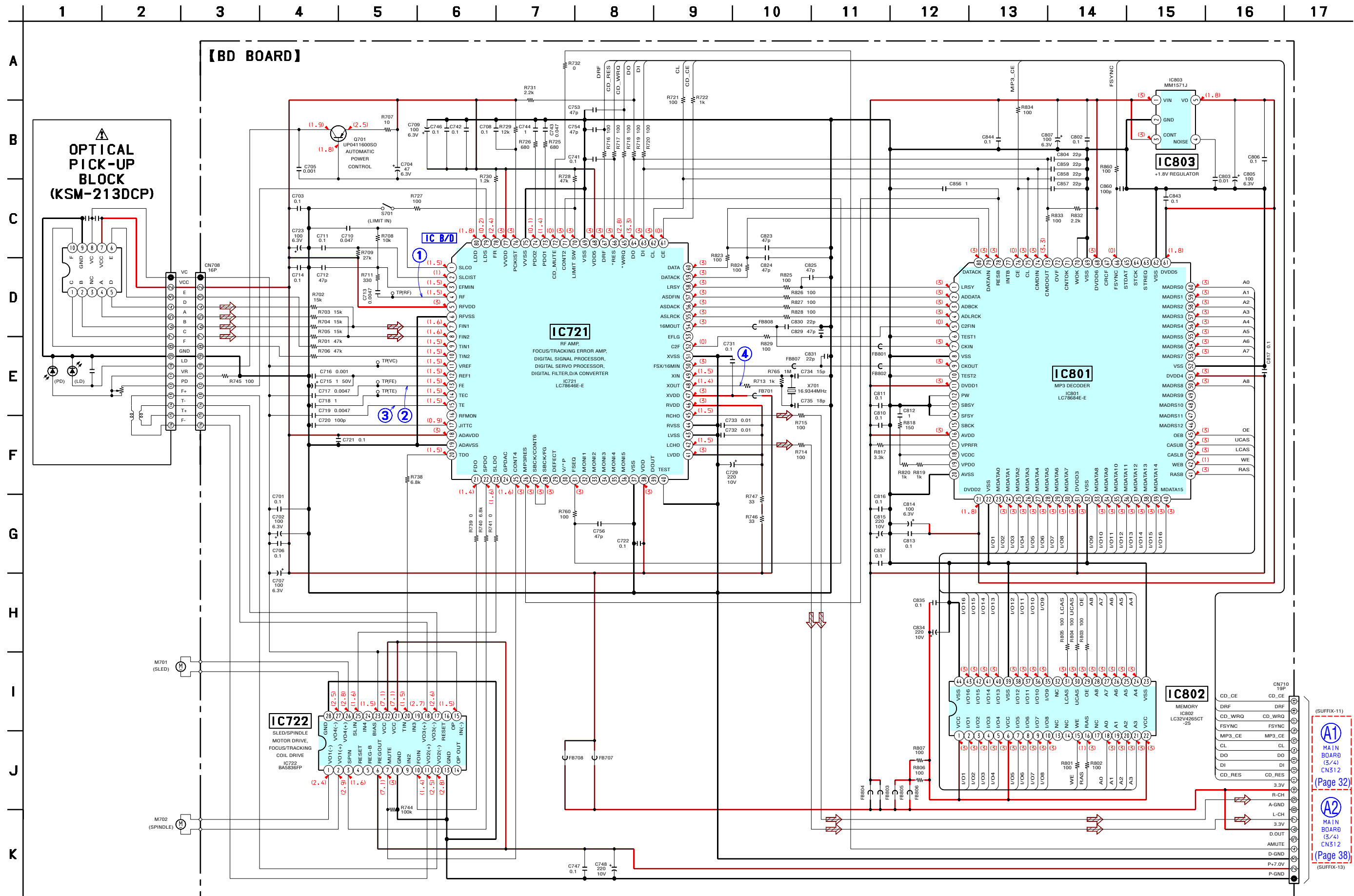
6-5. PRINTED WIRING BOARD – BD Board – • See page 25 for Circuit Boards Location. :Uses unleaded solder.



• Semiconductor Location

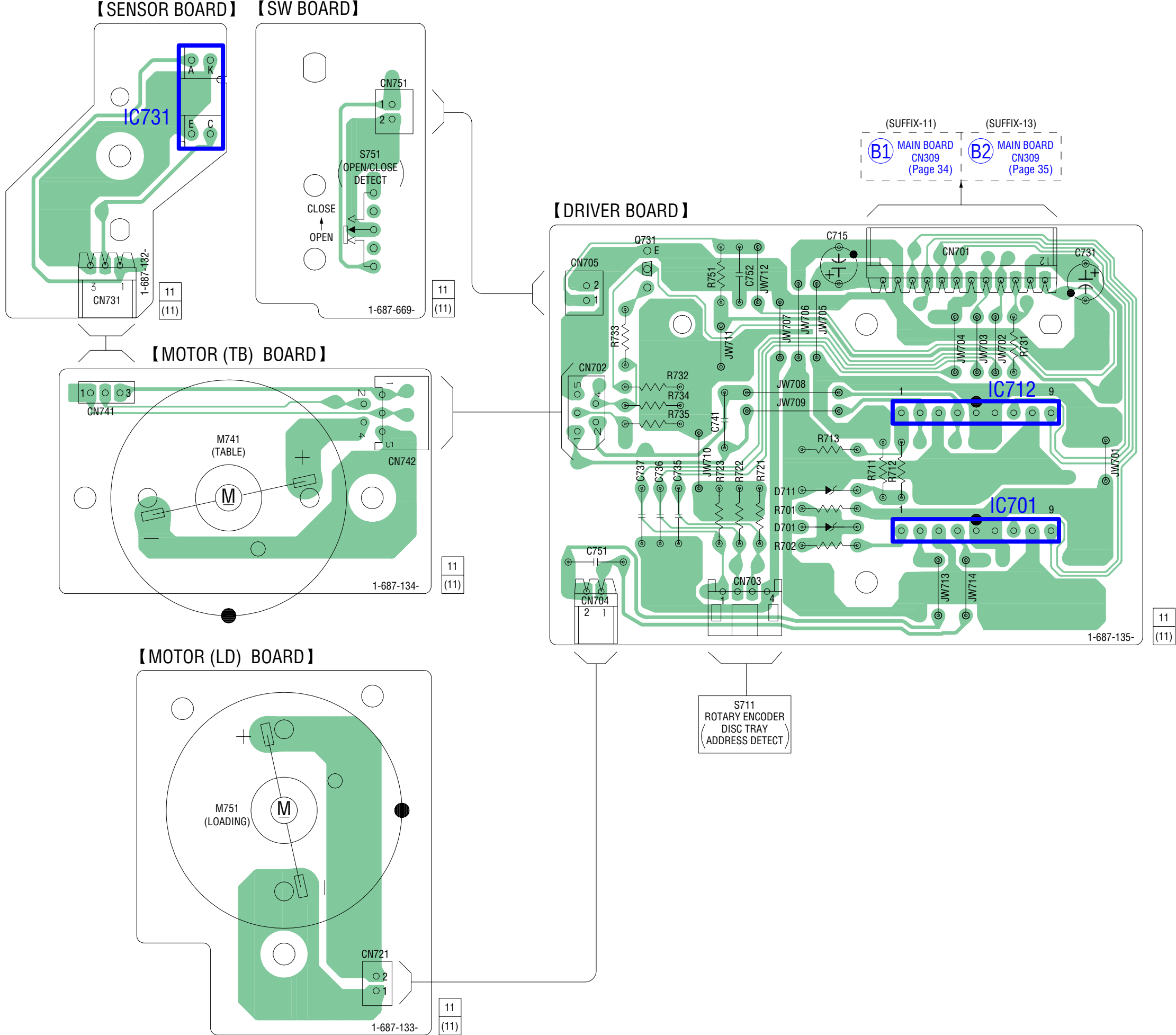
Ref. No.	Location
IC721	D-8
IC722	C-9
IC801	E-3
IC802	F-3
IC803	F-9
Q701	B-7

6-6. SCHEMATIC DIAGRAM – BD Board – • See page 52 for IC Block Diagrams. • See page 52 for Waveforms.

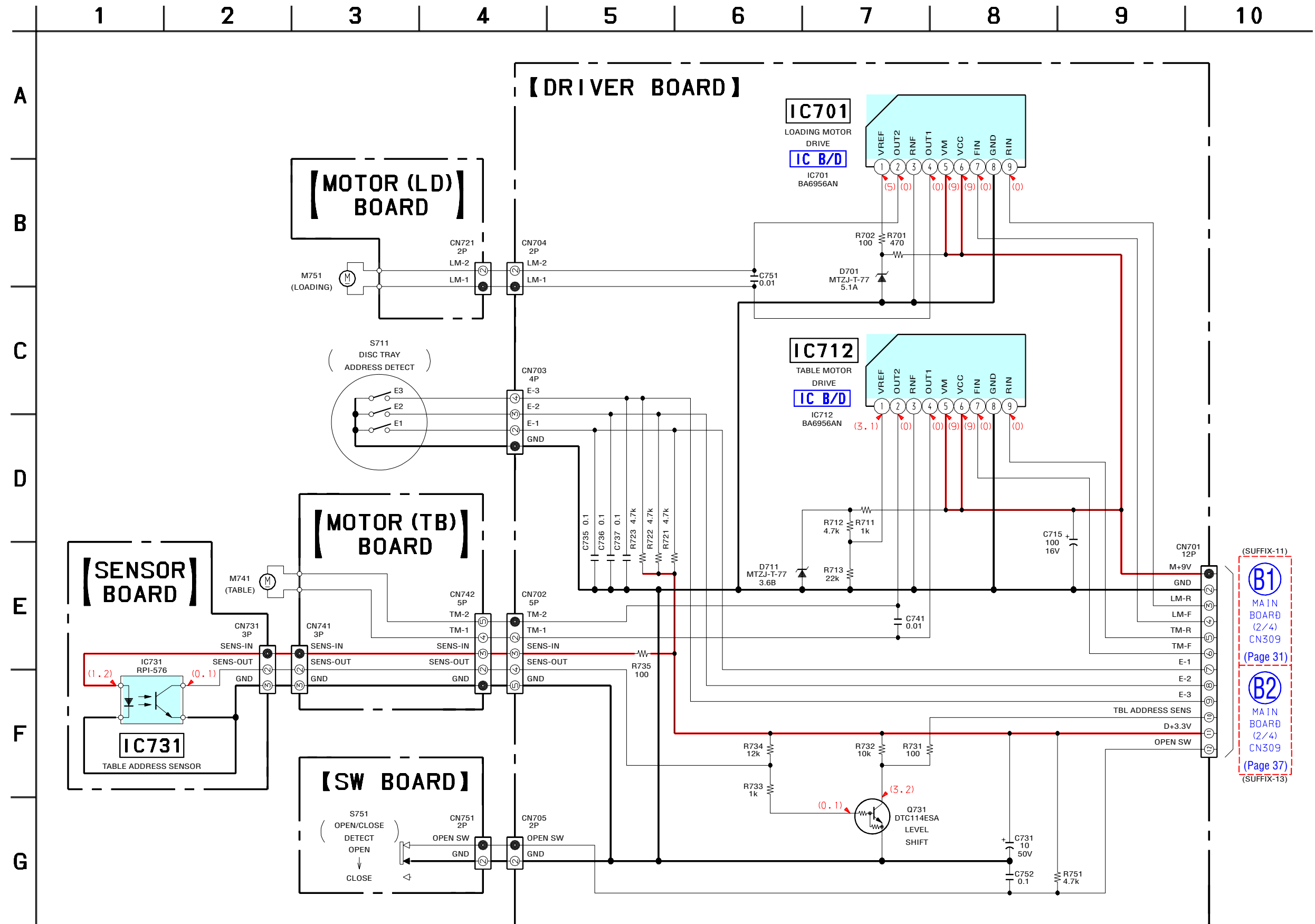


The components identified by mark or dotted line with mark are critical for safety.
Replace only with part number specified.

6-7. PRINTED WIRING BOARDS – CHANGER Section – • See page 25 for Circuit Boards Location. :Uses unleaded solder.

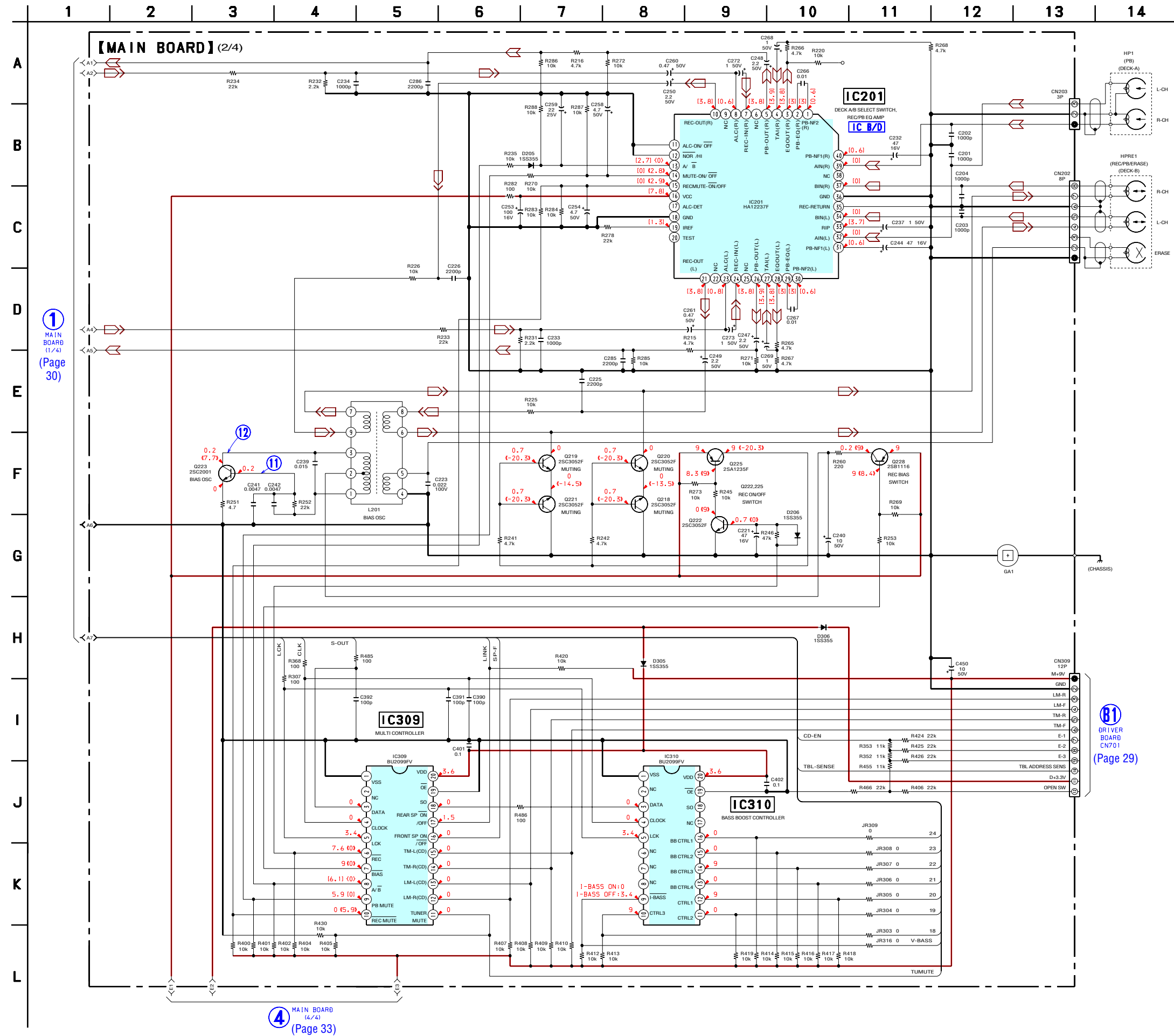


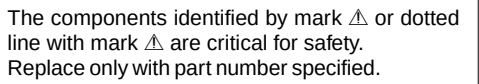
6-8. SCHEMATIC DIAGRAM – CHANGER Section – • See page 52 for IC Block Diagrams.



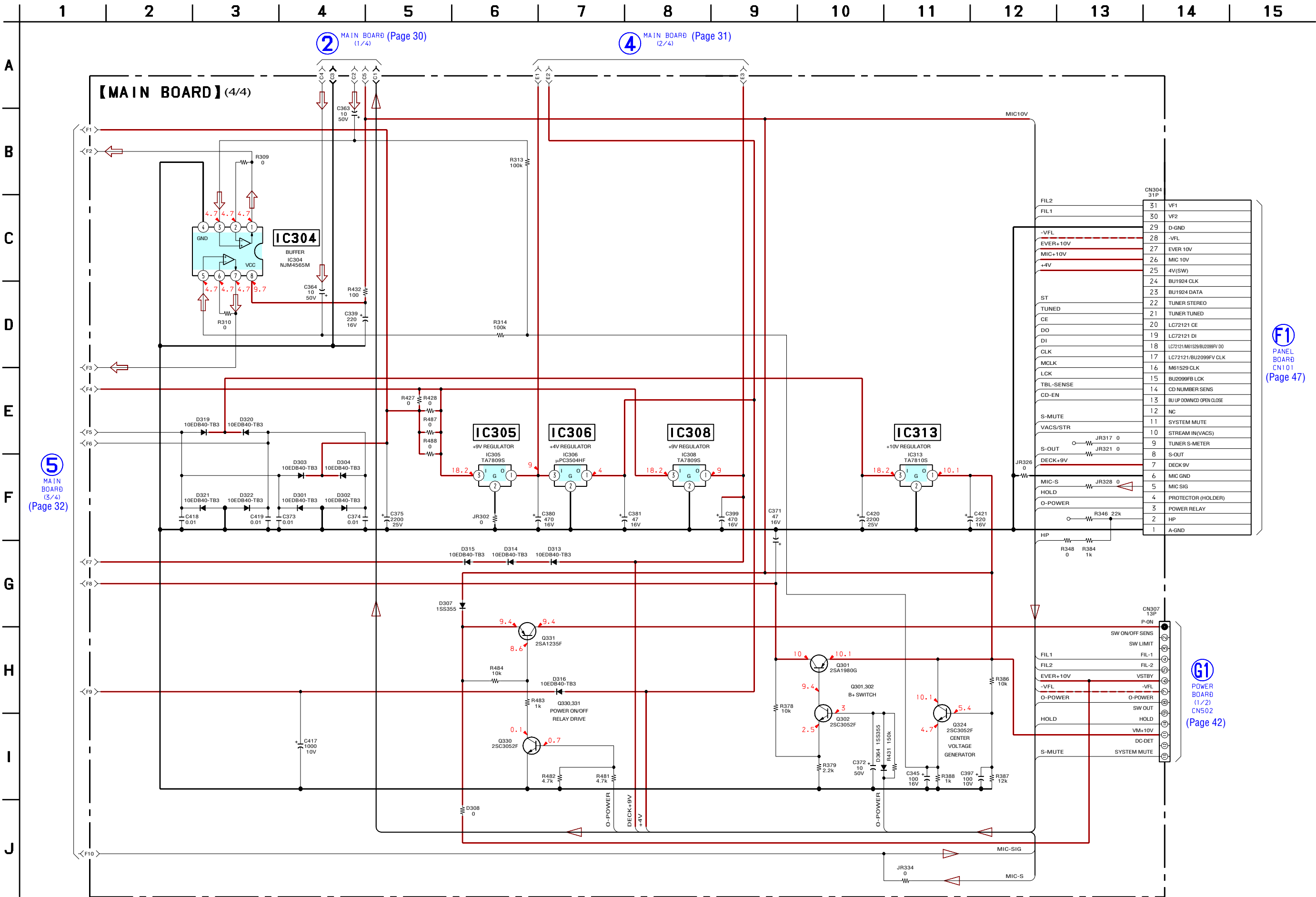


6-10. SCHEMATIC DIAGRAM – MAIN Board (2/4) (Suffix-11) – • See page 52 for IC Block Diagram. • See page 52 for Waveforms.





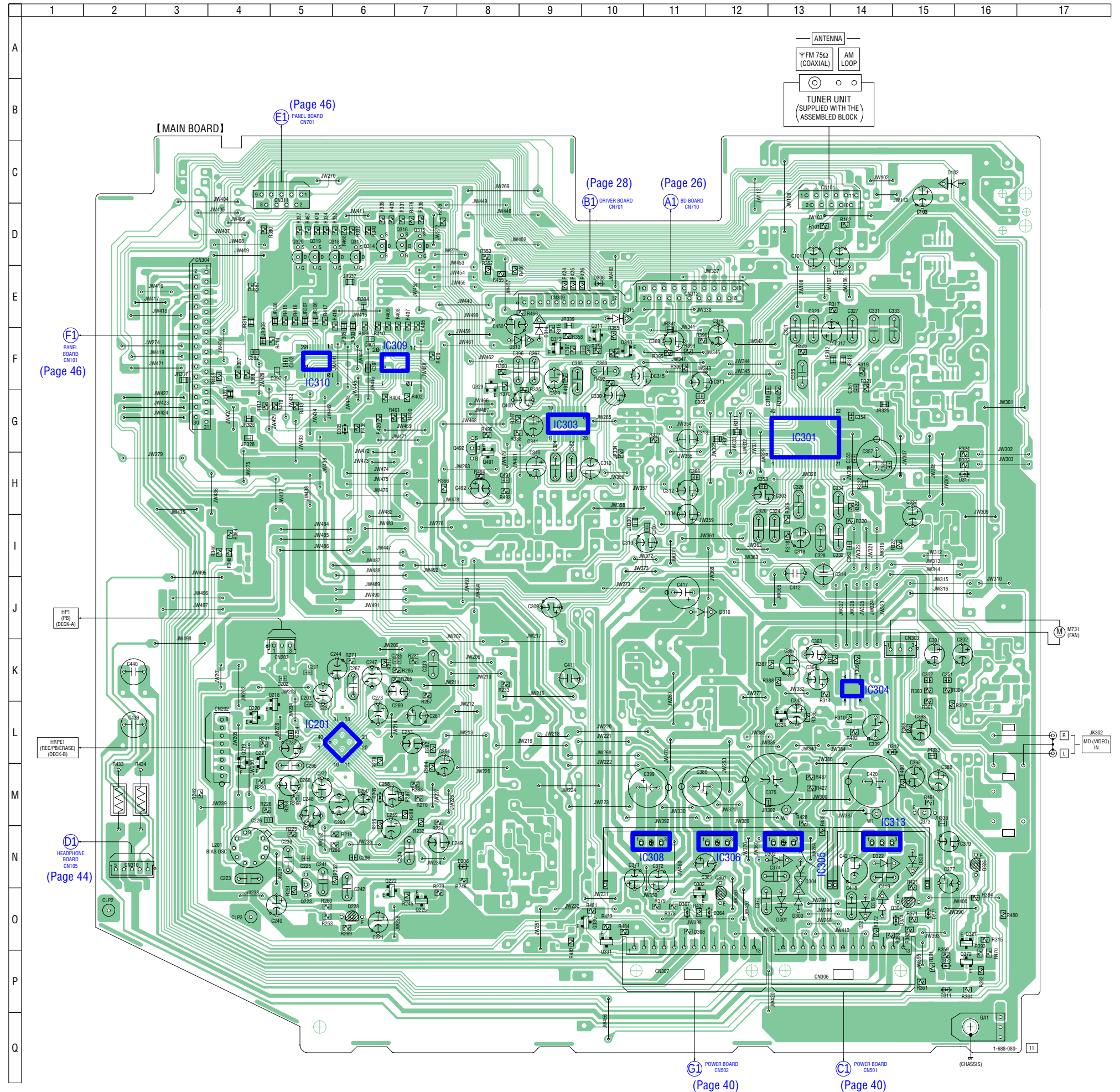
6-12. SCHEMATIC DIAGRAM – MAIN Board (4/4) (Suffix-11) –



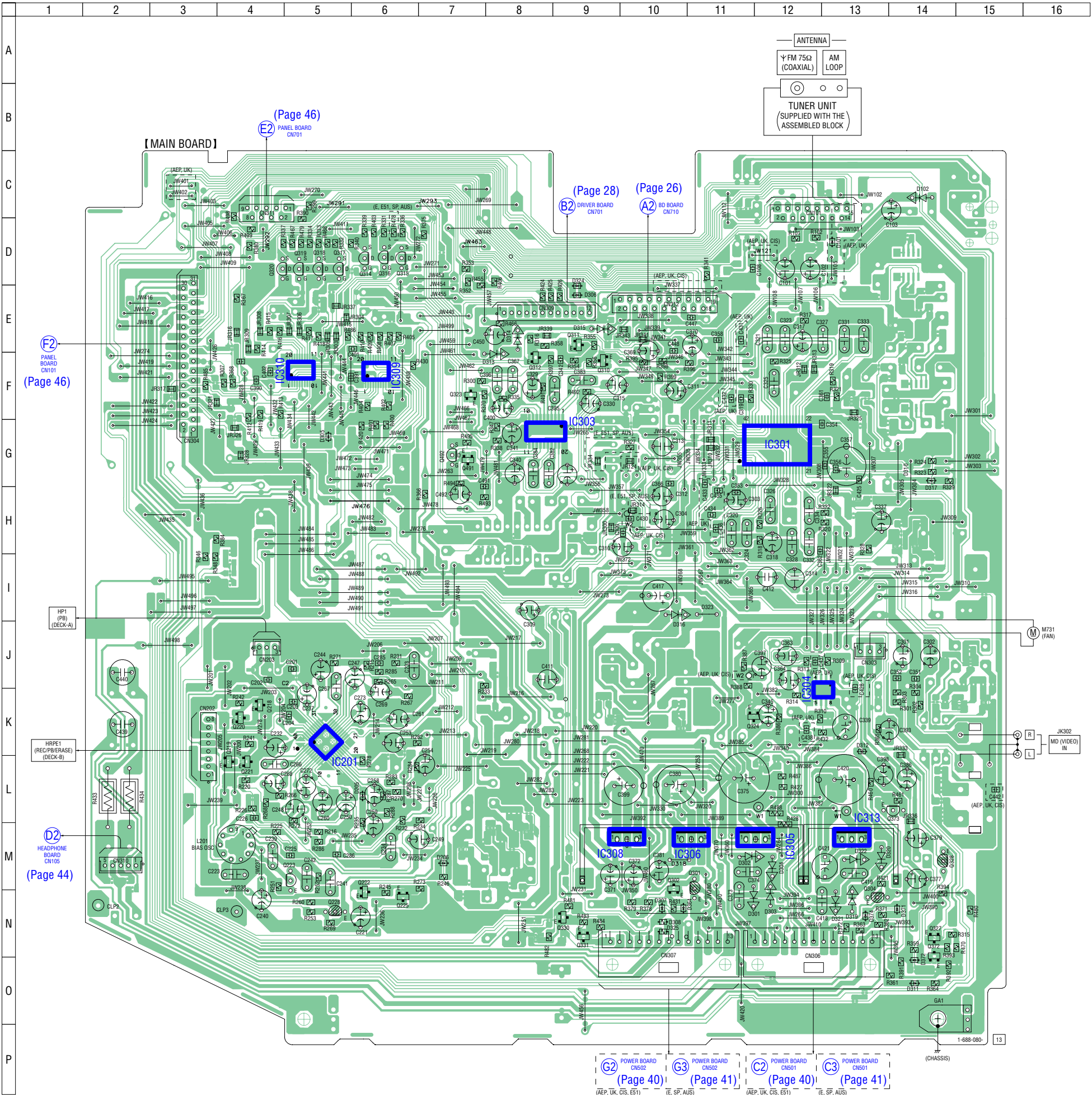
6-13. PRINTED WIRING BOARD – MAIN Board (Suffix-11) – • See page 25 for Circuit Boards Location. :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D102	C-16
D205	M-6
D206	N-8
D301	O-13
D302	N-13
D303	O-13
D304	N-13
D305	G-6
D306	E-10
D307	O-11
D311	P-15
D312	L-15
D313	F-8
D314	F-9
D315	E-10
D316	J-11
D317	H-16
D319	O-14
D320	N-15
D321	O-14
D322	N-14
D364	O-12
D371	O-15
D372	P-15
D374	O-15
IC201	L-6
IC301	G-13
IC303	G-9
IC304	K-14
IC305	N-13
IC306	N-12
IC308	N-11
IC309	F-6
IC310	F-5
IC313	N-14
Q218	L-5
Q219	L-4
Q220	L-4
Q221	L-4
Q222	O-6
Q223	N-5
Q225	O-7
Q228	O-6
Q301	O-12
Q302	O-11
Q304	O-15
Q310	F-10
Q311	F-10
Q312	F-9
Q314	D-6
Q315	D-7
Q316	D-7
Q317	D-6
Q318	D-6
Q319	D-5
Q320	D-5
Q323	F-8
Q324	L-13
Q327	O-16
Q328	N-16
Q330	O-10
Q331	O-10
Q372	P-16
Q373	M-15
Q491	H-8
Q492	G-8



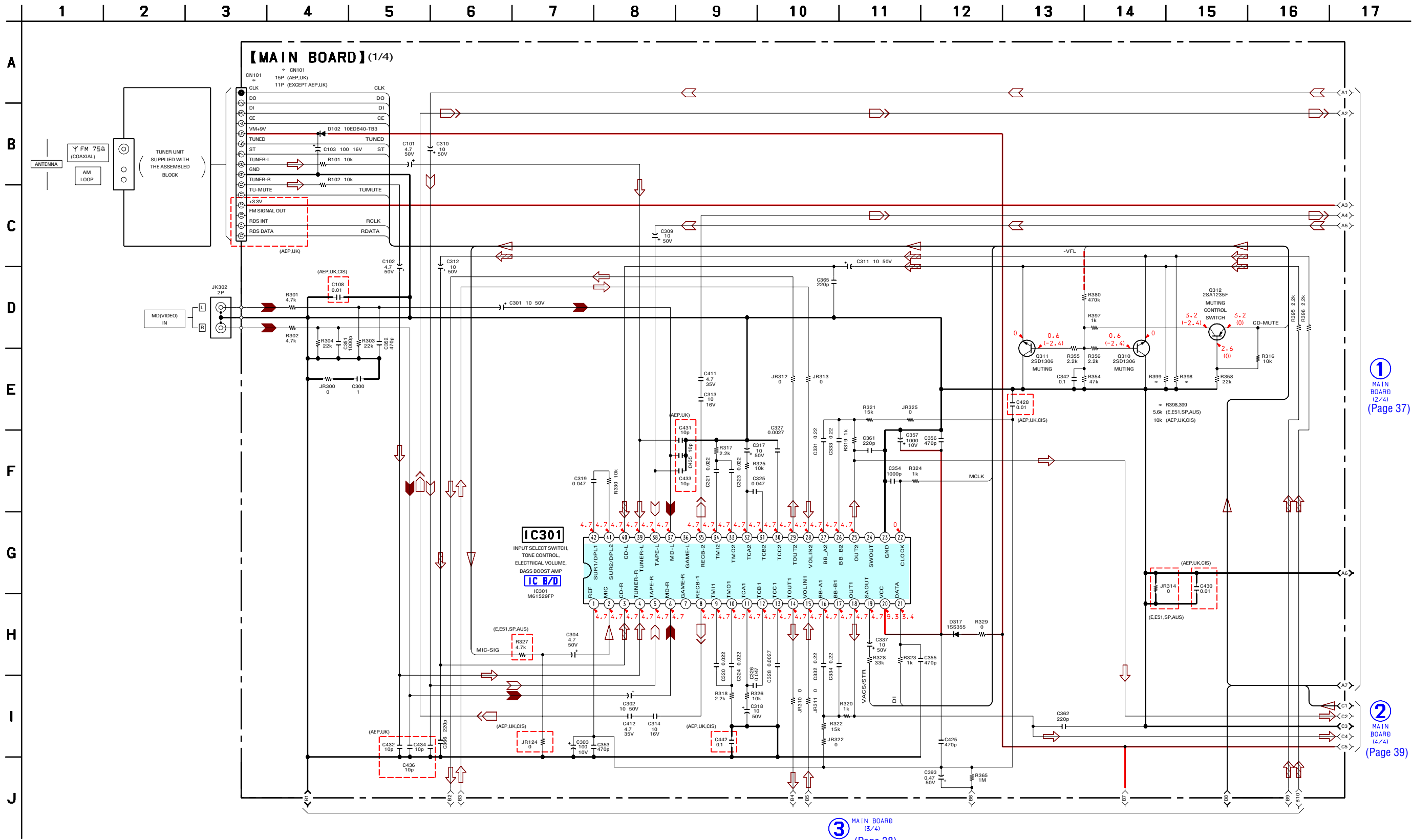
6-14. PRINTED WIRING BOARD – MAIN Board (Suffix-13) – • See page 25 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D101	D-13
D102	C-14
D205	L-6
D206	M-7
D301	N-11
D302	M-11
D303	N-12
D304	M-12
D305	G-5
D306	E-9
D307	N-10
D311	O-14
D312	K-13
D313	F-8
D314	E-8
D315	E-9
D316	I-10
D317	G-14
D319	N-13
D320	M-13
D321	N-13
D322	M-13
D324	E-9
D364	N-10
D371	N-14
D372	O-14
D374	N-13
IC201	K-5
IC301	G-12
IC303	G-8
IC304	K-13
IC305	M-12
IC306	M-11
IC308	M-10
IC309	F-6
IC310	F-5
IC313	M-13
Q218	K-4
Q219	L-4
Q220	K-4
Q221	L-4
Q222	N-6
Q223	M-5
Q225	N-6
Q228	N-5
Q301	M-11
Q302	M-10
Q304	N-13
Q310	F-9
Q311	E-9
Q312	F-8
Q314	D-6
Q315	D-6
Q316	D-6
Q317	D-5
Q318	D-5
Q319	D-5
Q320	D-4
Q323	F-7
Q324	K-11
Q327	N-14
Q328	M-14
Q330	N-9
Q331	N-9
Q372	N-14
Q373	L-14
Q491	G-7
Q492	G-7

6-15. SCHEMATIC DIAGRAM – MAIN Board (1/4) (Suffix-13) – • See page 52 for IC Block Diagram.

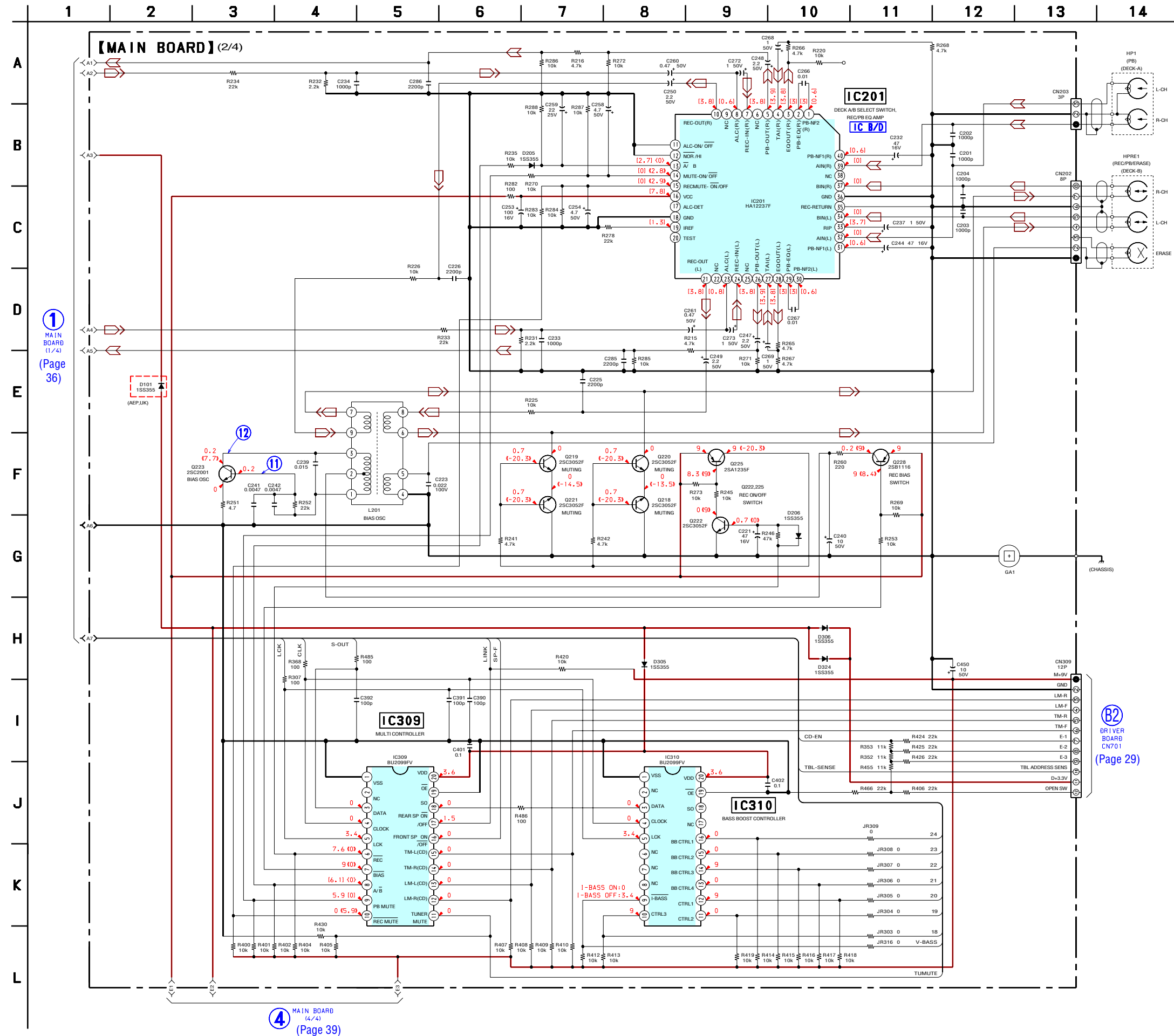


① MAIN BOARD (2/4) (Page 37)

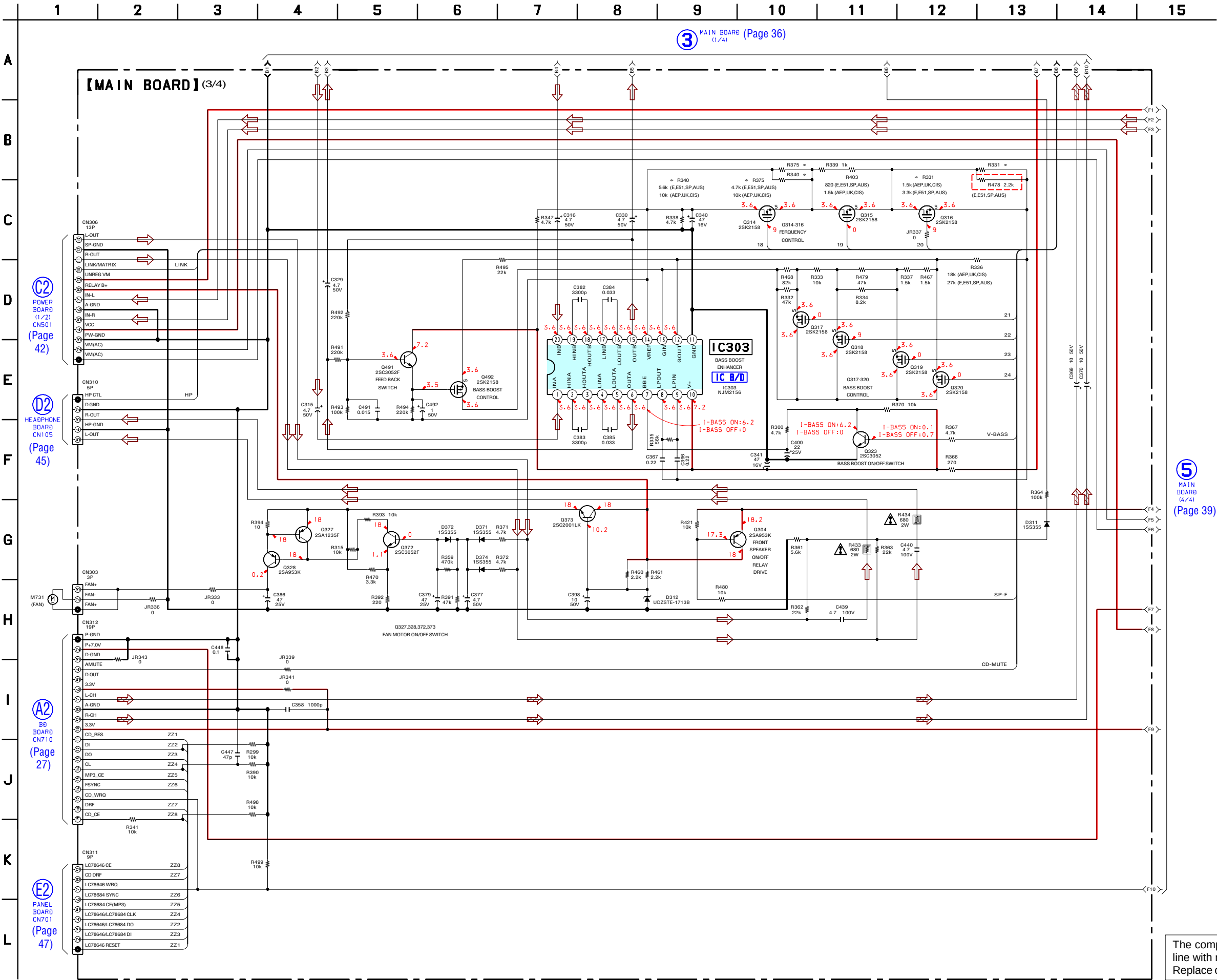
② MAIN BOARD (4/4) (Page 39)

③ MAIN BOARD (3/4) (Page 38)

6-16. SCHEMATIC DIAGRAM – MAIN Board (2/4) (Suffix-13) – • See page 52 for IC Block Diagram. • See page 52 for Waveforms.



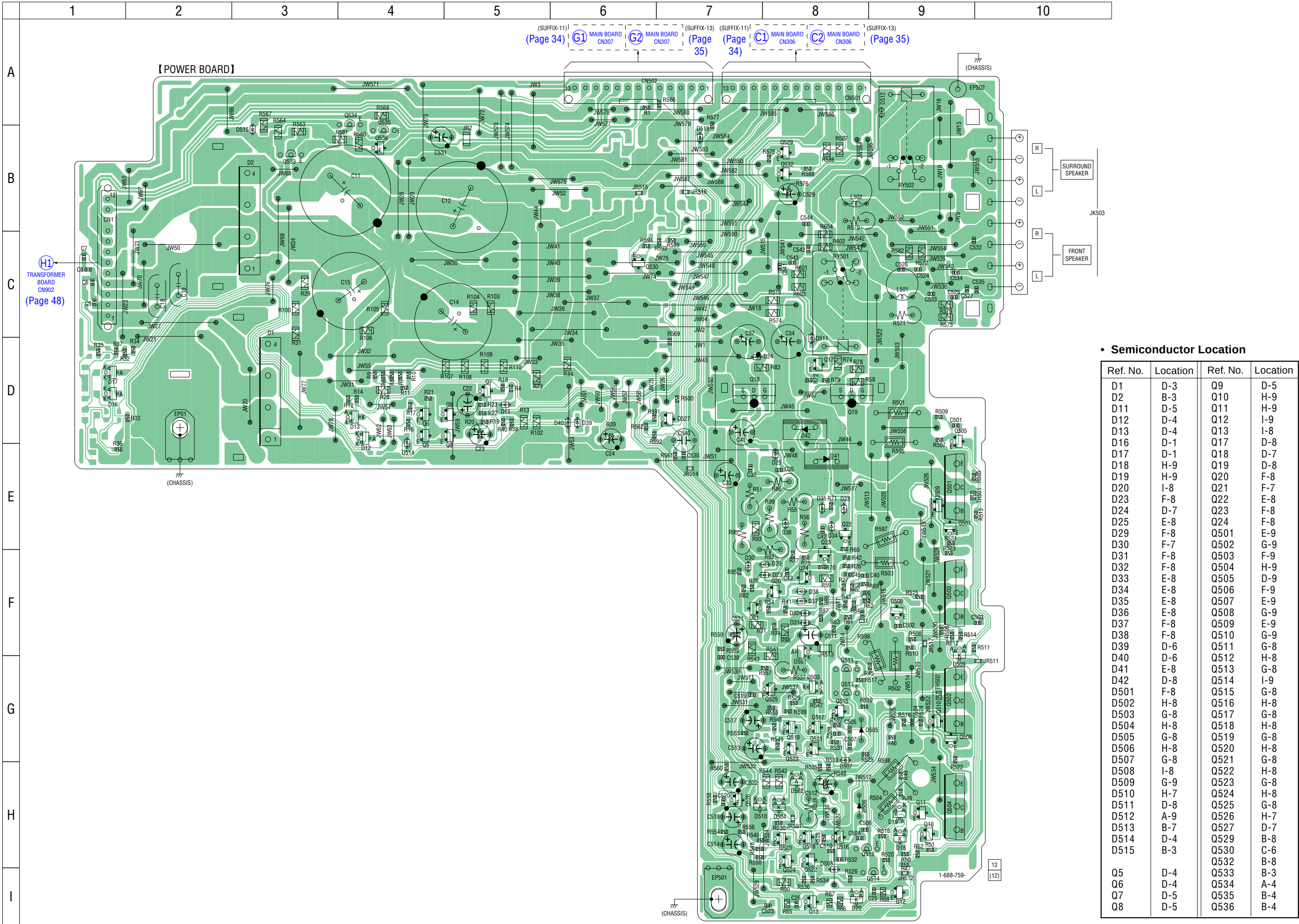
6-17. SCHEMATIC DIAGRAM – MAIN Board (3/4) (Suffix-13) – • See page 52 for IC Block Diagram.



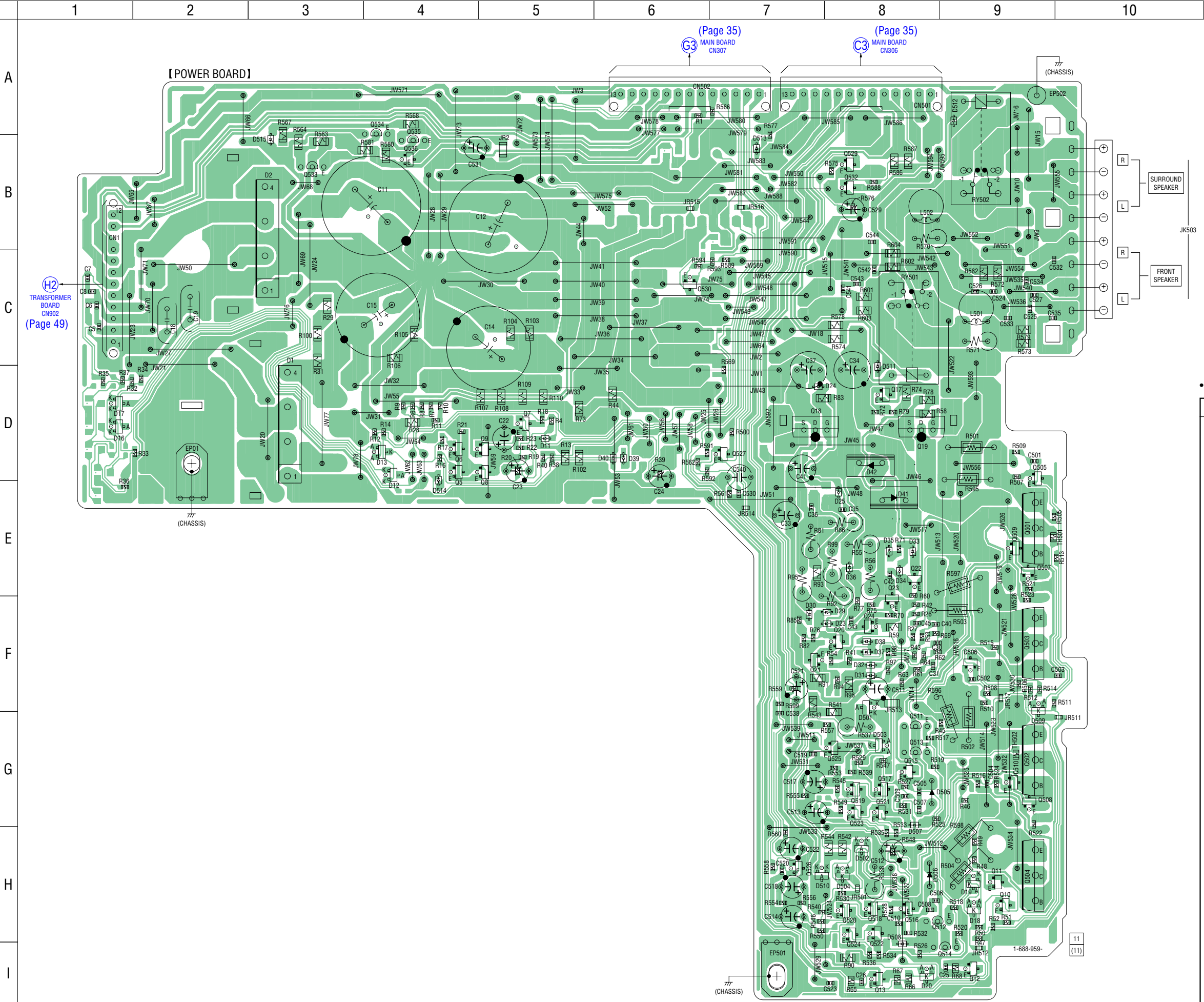
5
MAIN
BOARD
(3/4)
(Page 38)



6-19. PRINTED WIRING BOARD – POWER Board – (AEP, UK, CIS, E51 models) • See page 25 for Circuit Boards Location.  :Uses unleaded solder.



6-20. PRINTED WIRING BOARD – POWER Board – (E, SP, AUS models) • See page 25 for Circuit Boards Location.  :Uses unleaded solder.

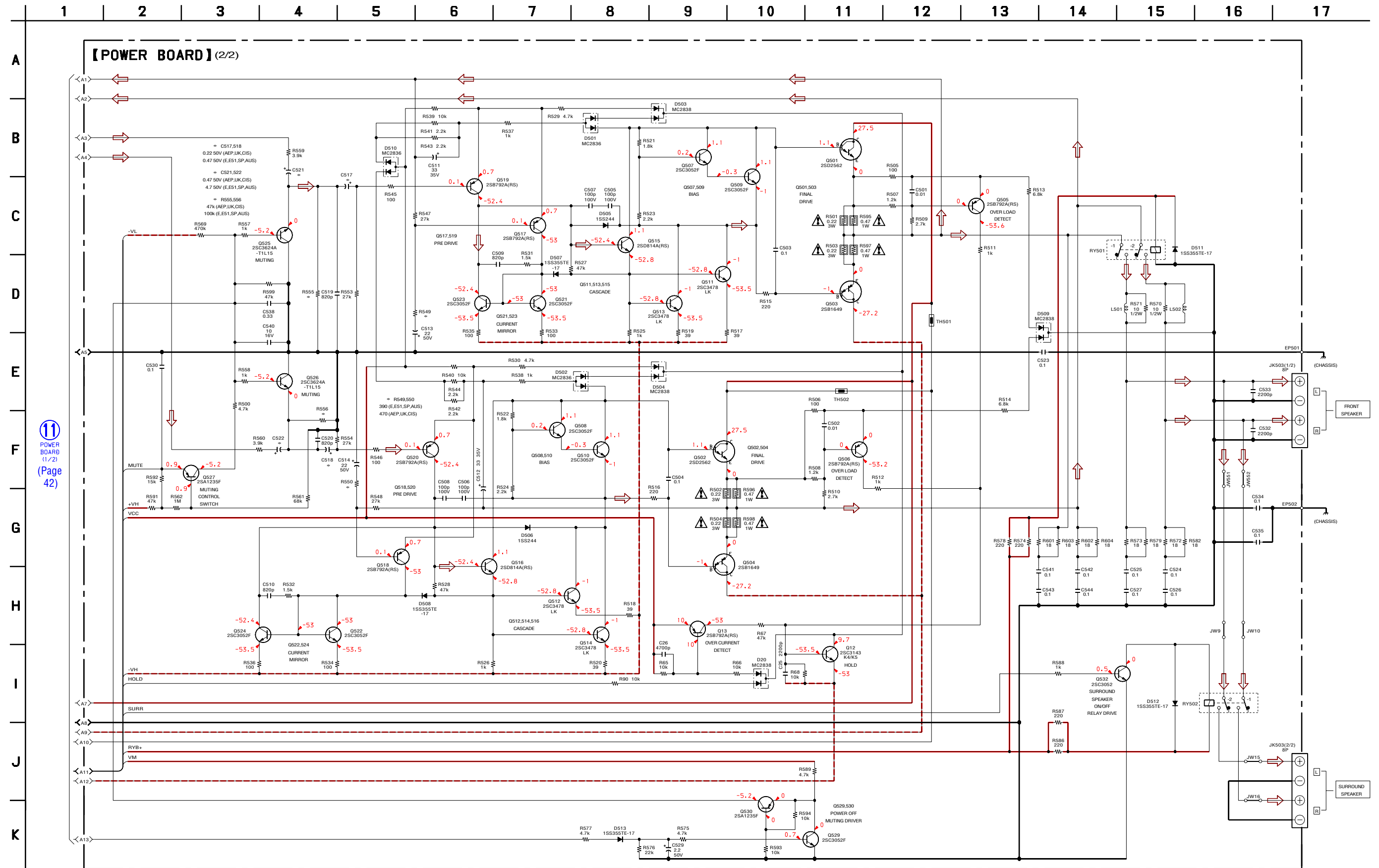


• Semiconductor Location

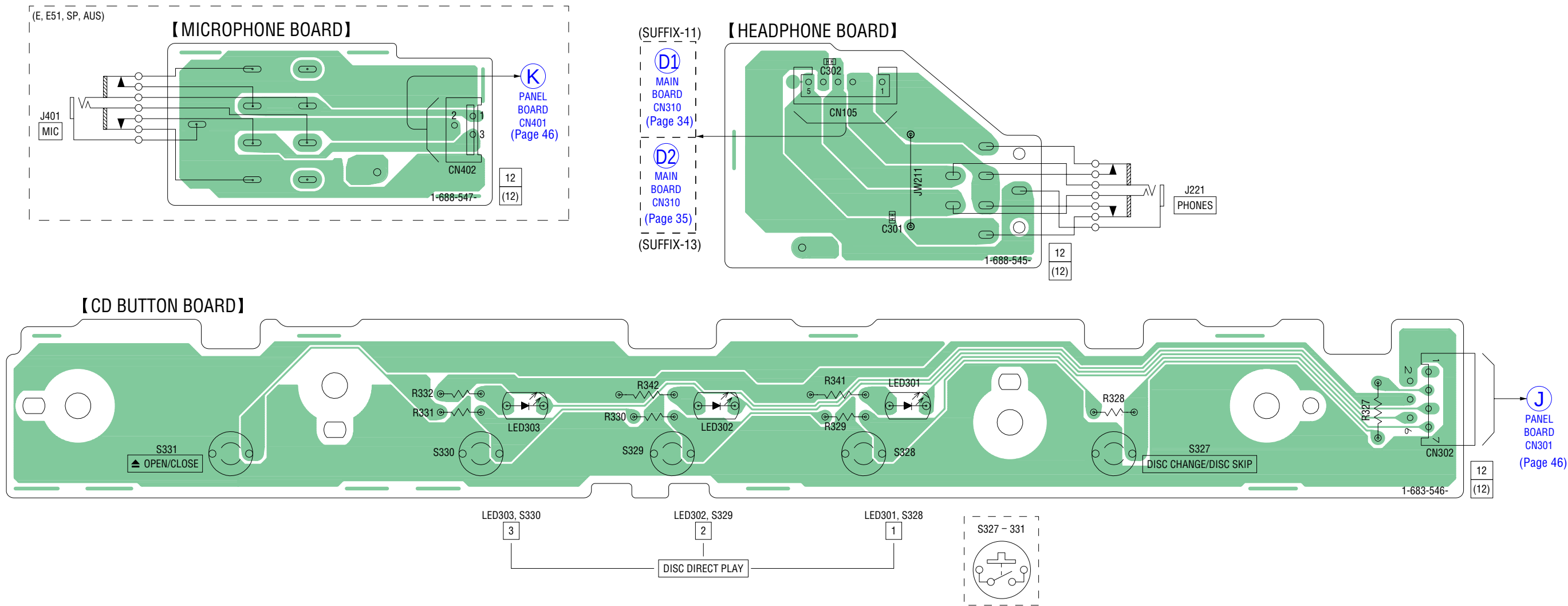
Ref. No.	Location	Ref. No.	Location
D1	D-3	Q9	D-5
D2	B-3	Q10	H-9
D11	D-5	Q11	H-9
D12	D-4	Q12	I-9
D13	D-4	Q13	I-8
D16	D-1	Q17	D-8
D17	D-1	Q18	D-7
D18	H-9	Q19	D-8
D19	H-9	Q20	F-8
D20	I-8	Q21	F-7
D23	F-8	Q22	E-8
D24	D-7	Q23	F-8
D25	E-8	Q24	F-8
D29	F-8	Q501	E-9
D30	F-7	Q502	G-9
D31	F-8	Q503	F-9
D32	F-8	Q504	H-9
D33	E-8	Q505	D-9
D34	E-8	Q506	F-9
D35	E-8	Q507	E-9
D36	E-8	Q508	G-9
D37	F-8	Q509	E-9
D38	F-8	Q510	G-9
D39	D-6	Q511	G-8
D40	D-6	Q512	H-8
D41	E-8	Q513	G-8
D42	D-8	Q514	I-9
D501	F-8	Q515	G-8
D502	H-8	Q516	H-8
D503	G-8	Q517	G-8
D504	H-8	Q518	H-8
D505	G-8	Q519	G-8
D506	H-8	Q520	H-8
D507	G-8	Q521	G-8
D508	I-8	Q522	H-8
D509	G-9	Q523	G-8
D510	H-7	Q524	H-8
D511	D-8	Q525	G-8
D512	A-9	Q526	H-7
D513	B-7	Q527	D-7
D514	D-4	Q529	B-8
D515	B-3	Q530	C-6
		Q532	B-8
Q5	D-4	Q533	B-3
Q6	D-4	Q534	A-4
Q7	D-5	Q535	B-4
Q8	D-5	Q536	B-4



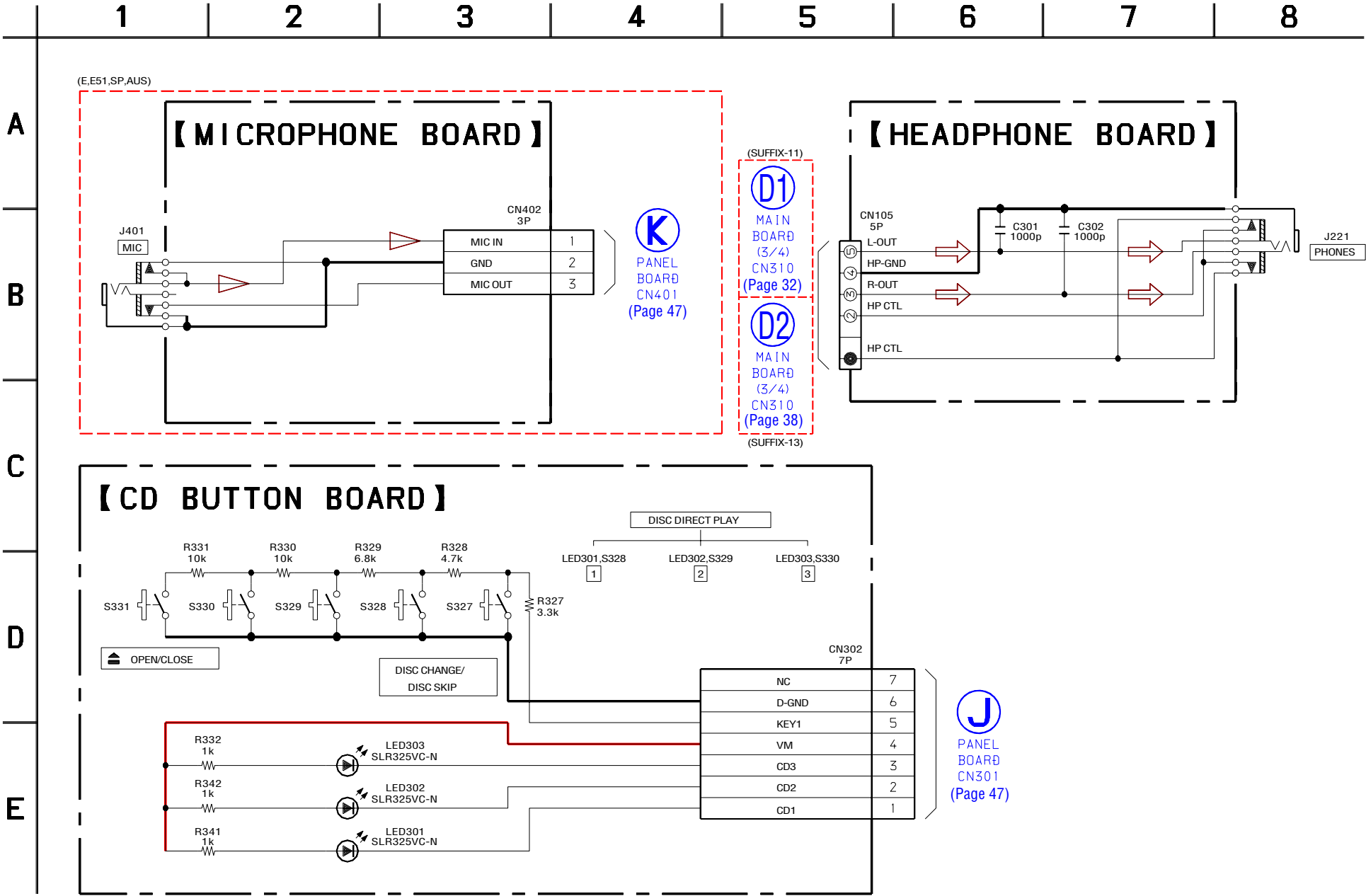
6-22. SCHEMATIC DIAGRAM – POWER Board (2/2) –



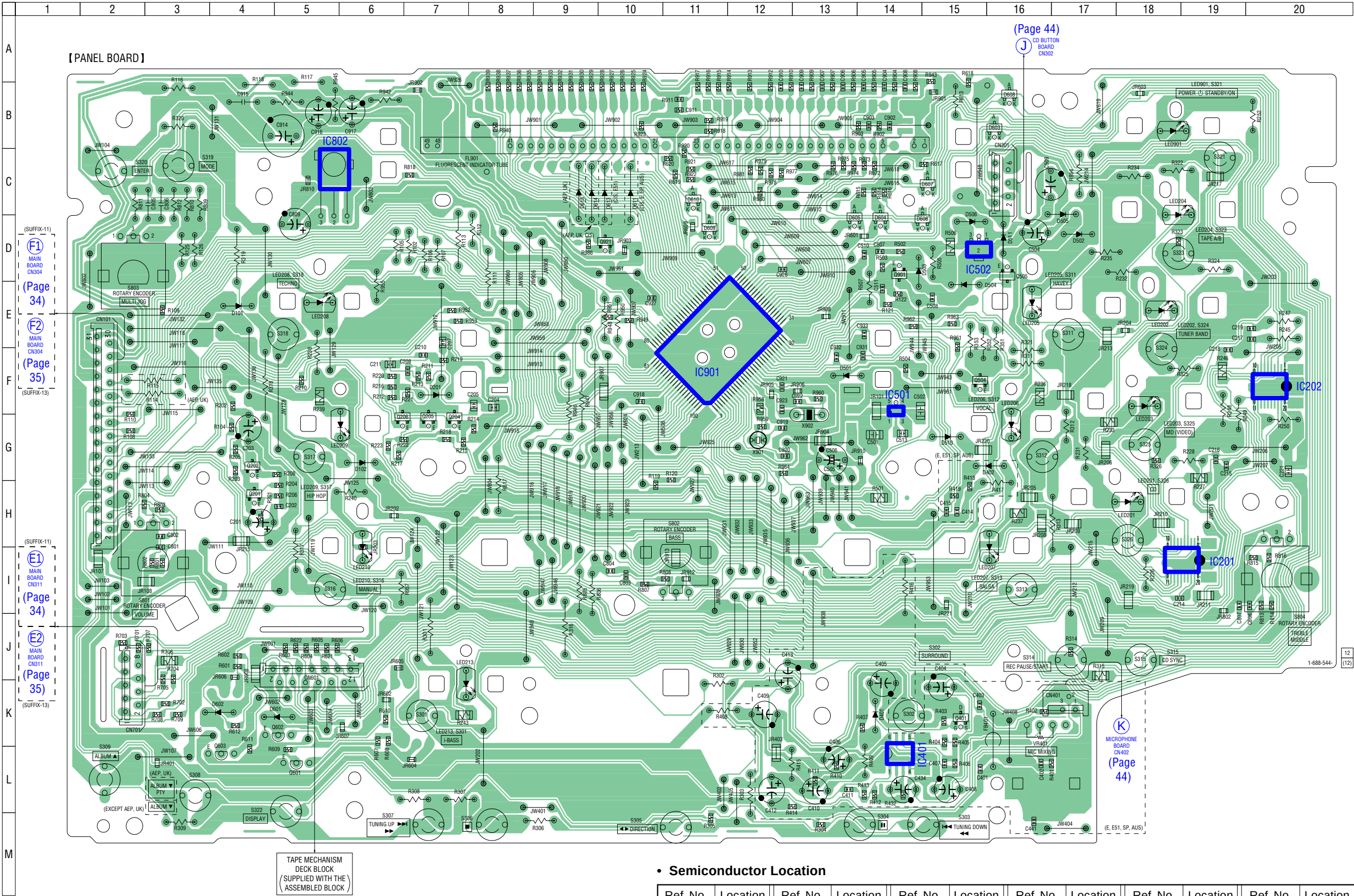
6-23. PRINTED WIRING BOARDS – CD BUTTON/HEADPHONE/MICROPHONE Boards – • See page 25 for Circuit Boards Location. :Uses unleaded solder.



6-24. SCHEMATIC DIAGRAM - CD BUTTON/HEADPHONE/MICROPHONE Boards -



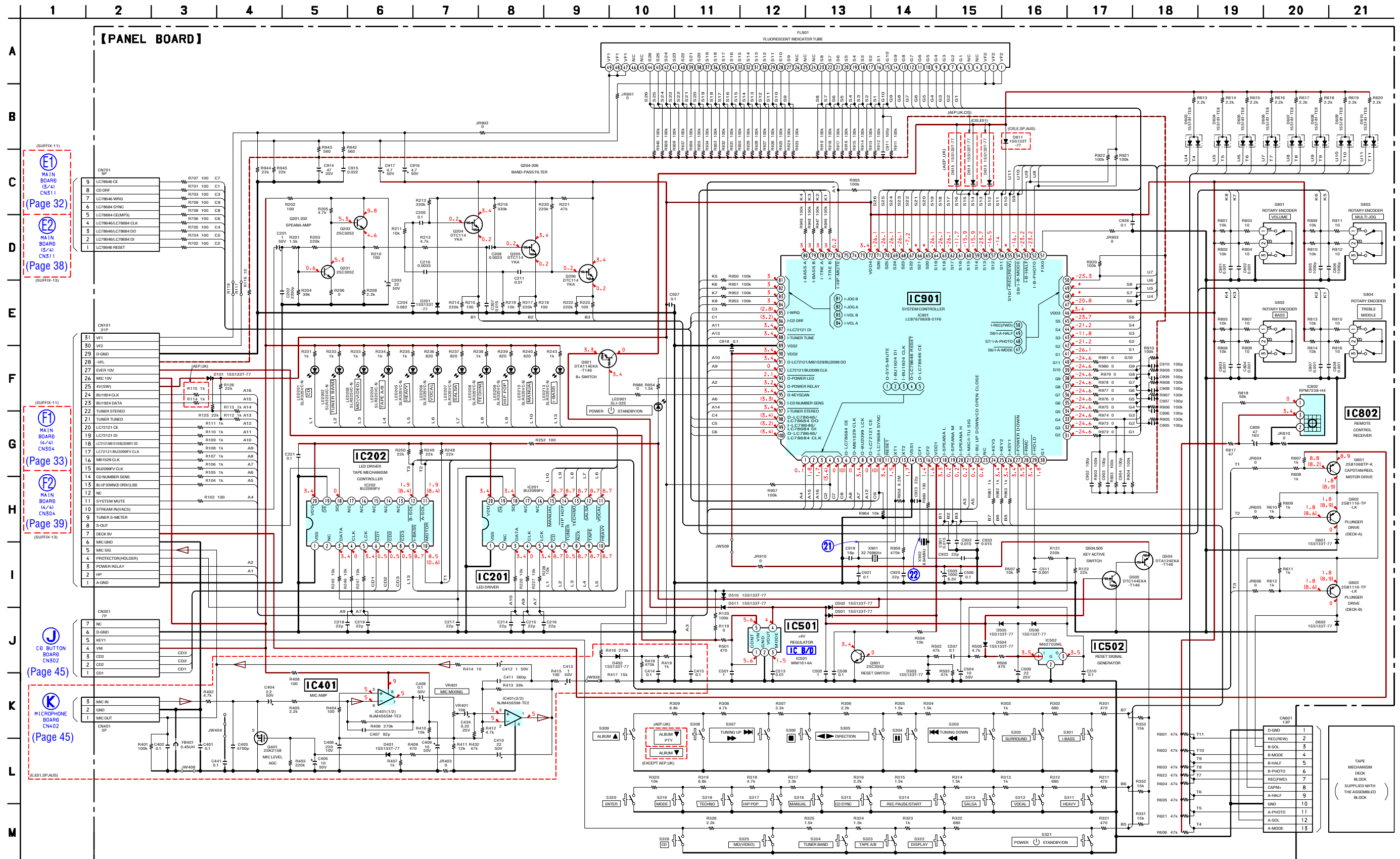
6-25. PRINTED WIRING BOARD – PANEL Board – • See page 25 for Circuit Boards Location. :Uses unleaded solder.



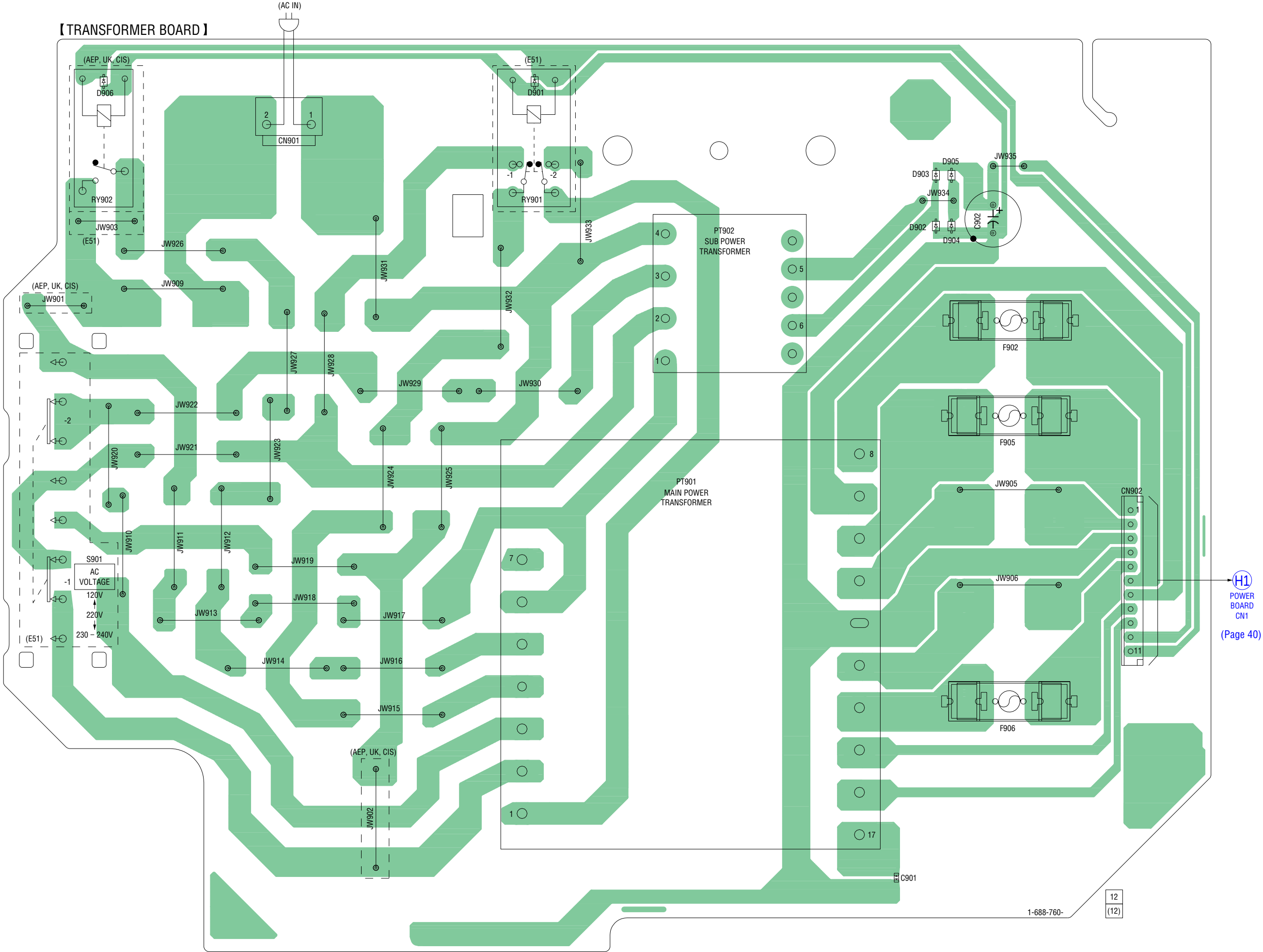
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	E-4	D511	D-16	D611	C-10	IC901	E-11	LED210	H-6	Q505	D-16
D201	F-7	D601	K-5	D613	C-10			LED213	K-7	Q601	L-5
D401	K-14	D602	K-4	D614	C-9	LED201	H-18	LED901	B-18	Q602	K-5
D402	G-16	D603	B-16	D615	C-9	LED202	E-18			Q603	L-4
D501	F-13	D604	D-14			LED203	F-18	Q201	H-4	Q901	D-14
D502	D-17	D605	D-13	IC201	I-19	LED204	C-18	Q202	G-4	Q921	D-10
D503	D-14	D606	D-15	IC202	F-20	LED205	E-16	Q204	G-7		
D504	E-15	D607	C-15	IC401	L-14	LED206	G-16	Q205	G-7		
D505	D-17	D608	B-16	IC501	F-14	LED207	I-16	Q206	G-6		
D506	D-15	D609	D-11	IC502	D-15	LED208	E-5	Q401	K-15		
D510	G-15	D610	C-11	IC802	C-5	LED209	G-6	Q504	F-15		

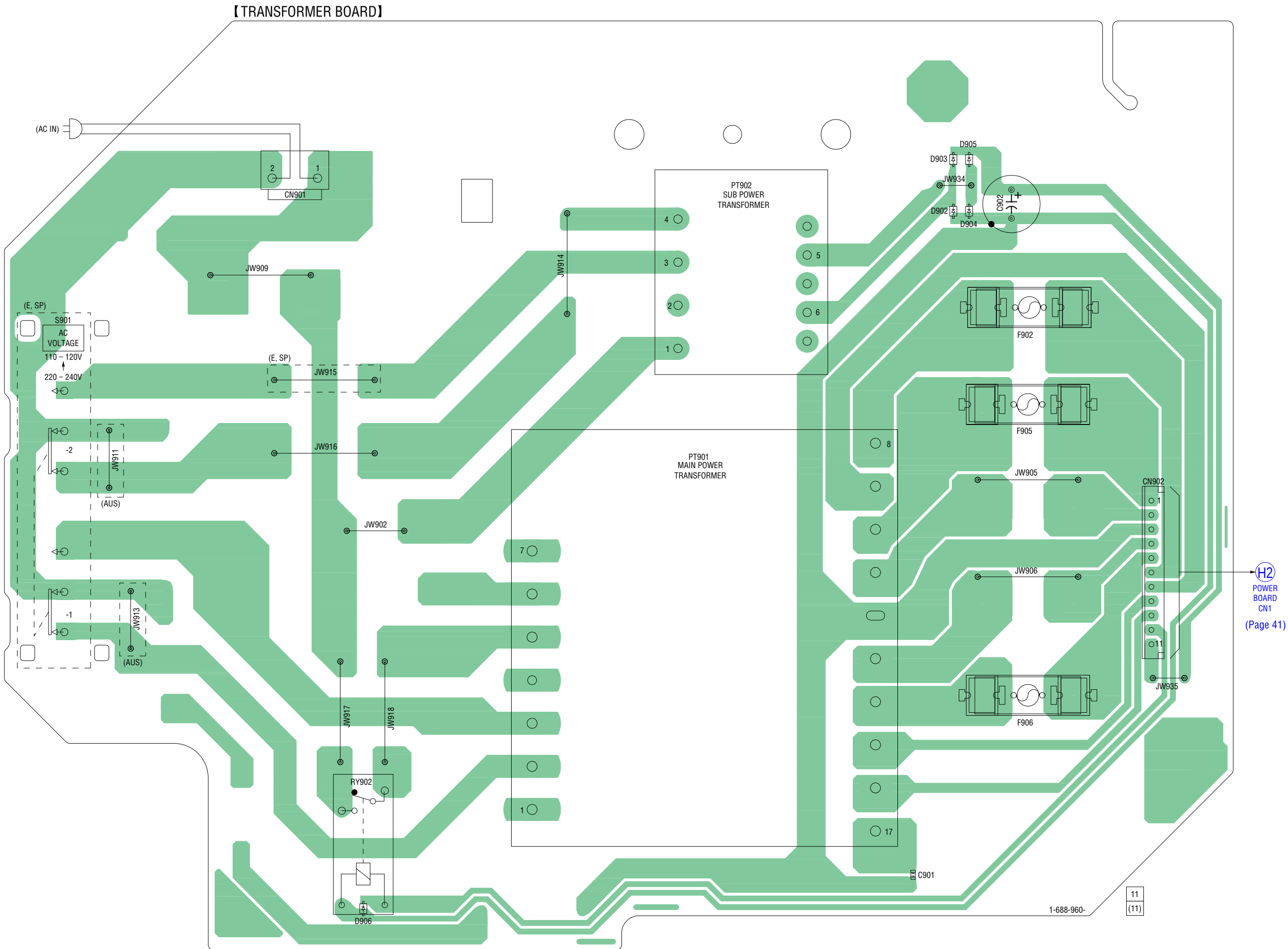
6-20. SCHEMATIC DIAGRAM – PANEL Board – • See page 52 for IC Block Diagram. • See page 52 for Waveforms.



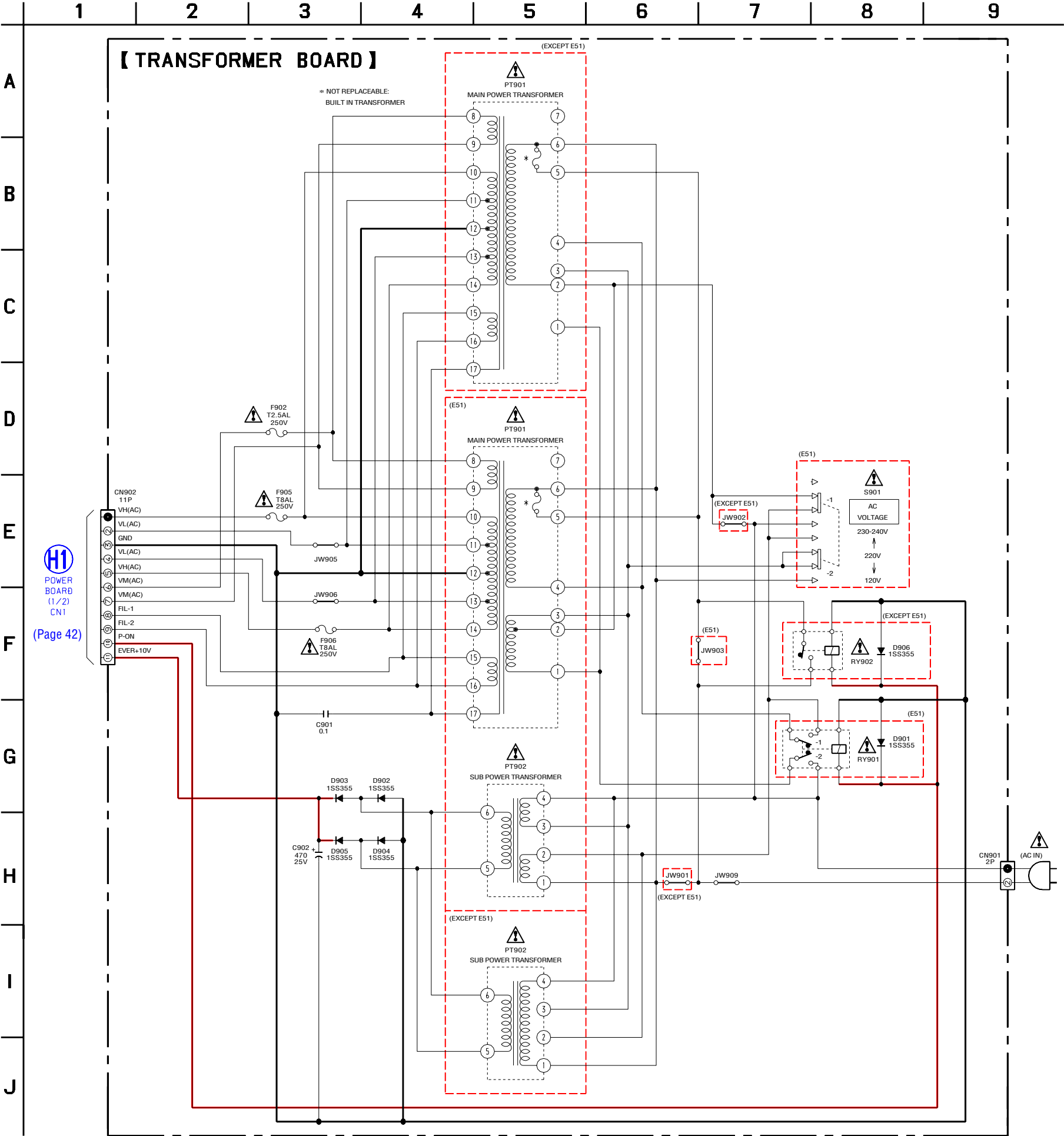
6-27. PRINTED WIRING BOARD – TRANSFORMER Board – (AEP, UK, CIS, E51 models) • See page 25 for Circuit Boards Location.  :Uses unleaded solder.



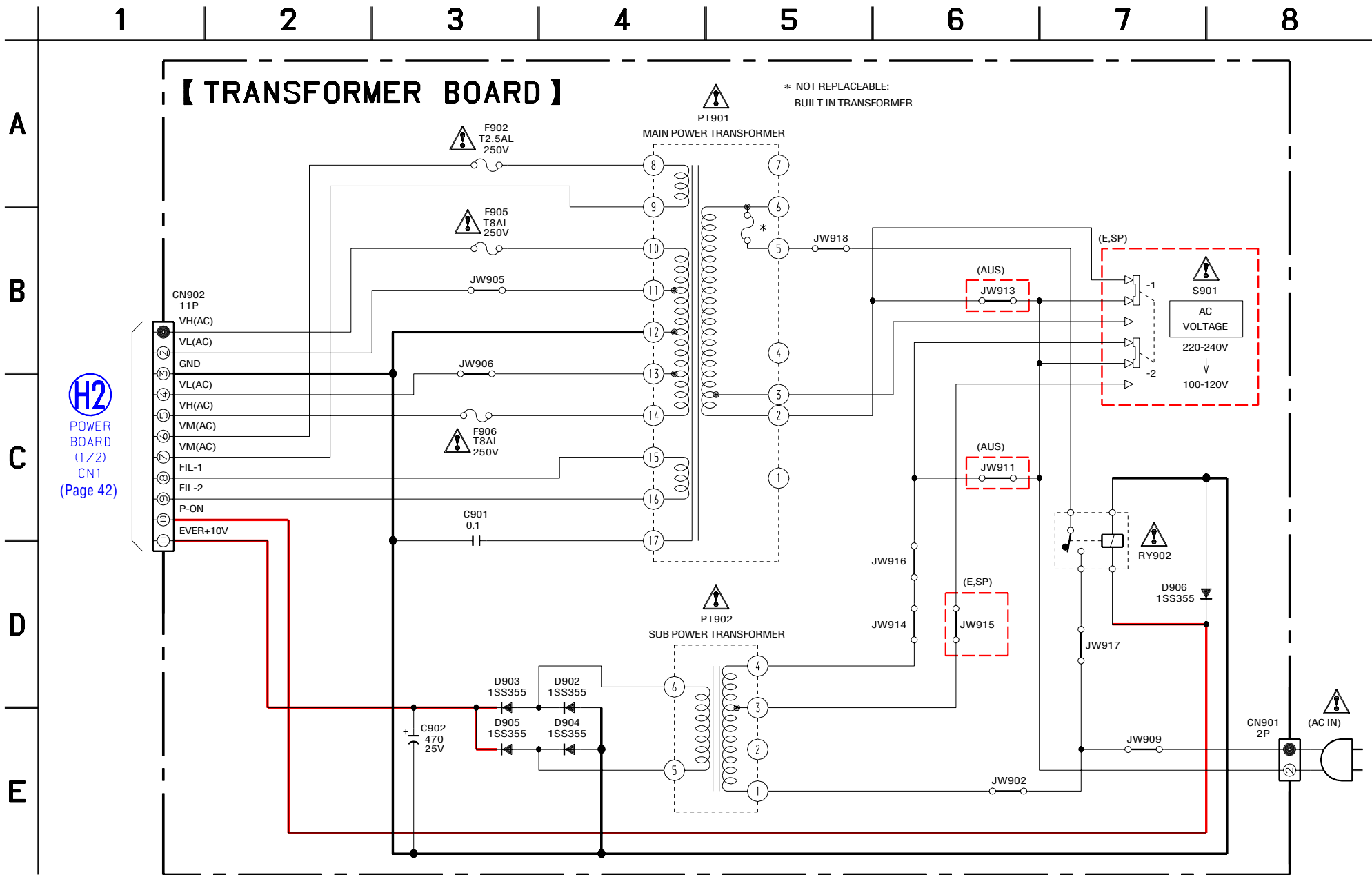
6-28. PRINTED WIRING BOARD – TRANSFORMER Board – (E, SP, AUS models) • See page 25 for Circuit Boards Location.  :Uses unleaded solder.



6-29. SCHEMATIC DIAGRAM – TRANSFORMER BOARD – (AEP, UK, CIS, E51 models)



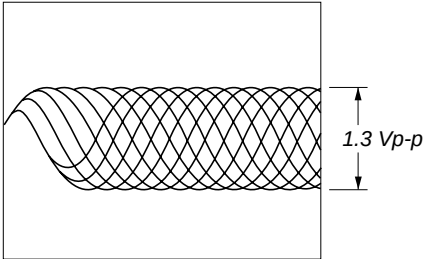
6-30. SCHEMATIC DIAGRAM – TRANSFORMER BOARD – (E, SP, AUS models)



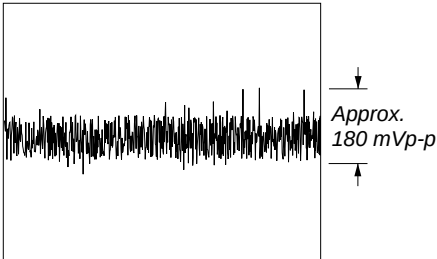
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

• Waveforms
– BD Board –

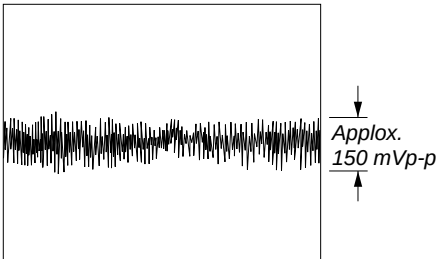
① IC721 ④ (RF) (CD Play Mode)



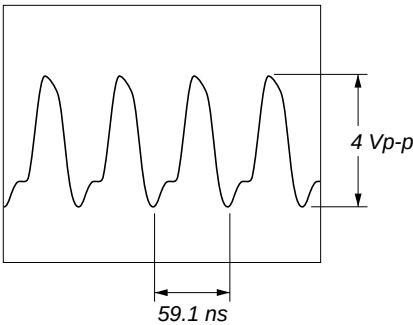
② IC721 ⑬ (TE) (CD Play Mode)



③ IC721 ⑮ (TE) (CD Play Mode)

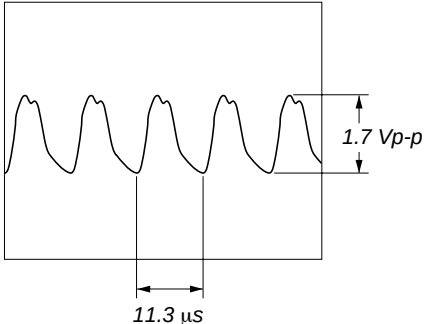


④ IC721 ⑳ (XOUT)

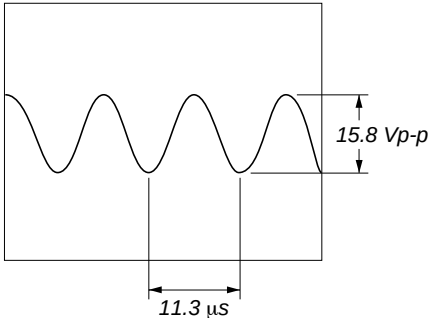


– MAIN Board –

⑪ Q223 (Base) (REC Mode)

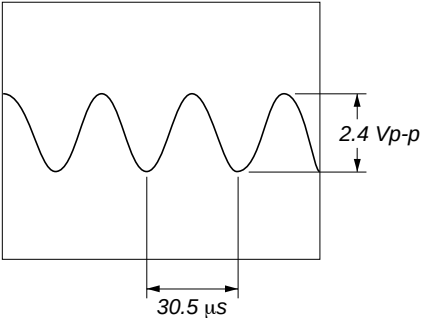


⑫ Q223 (Collector) (REC Mode)

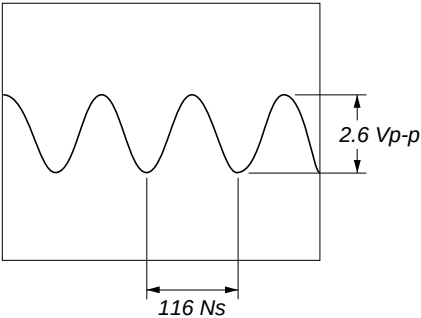


– PANEL Board –

②① IC901 ⑩ (XT1)

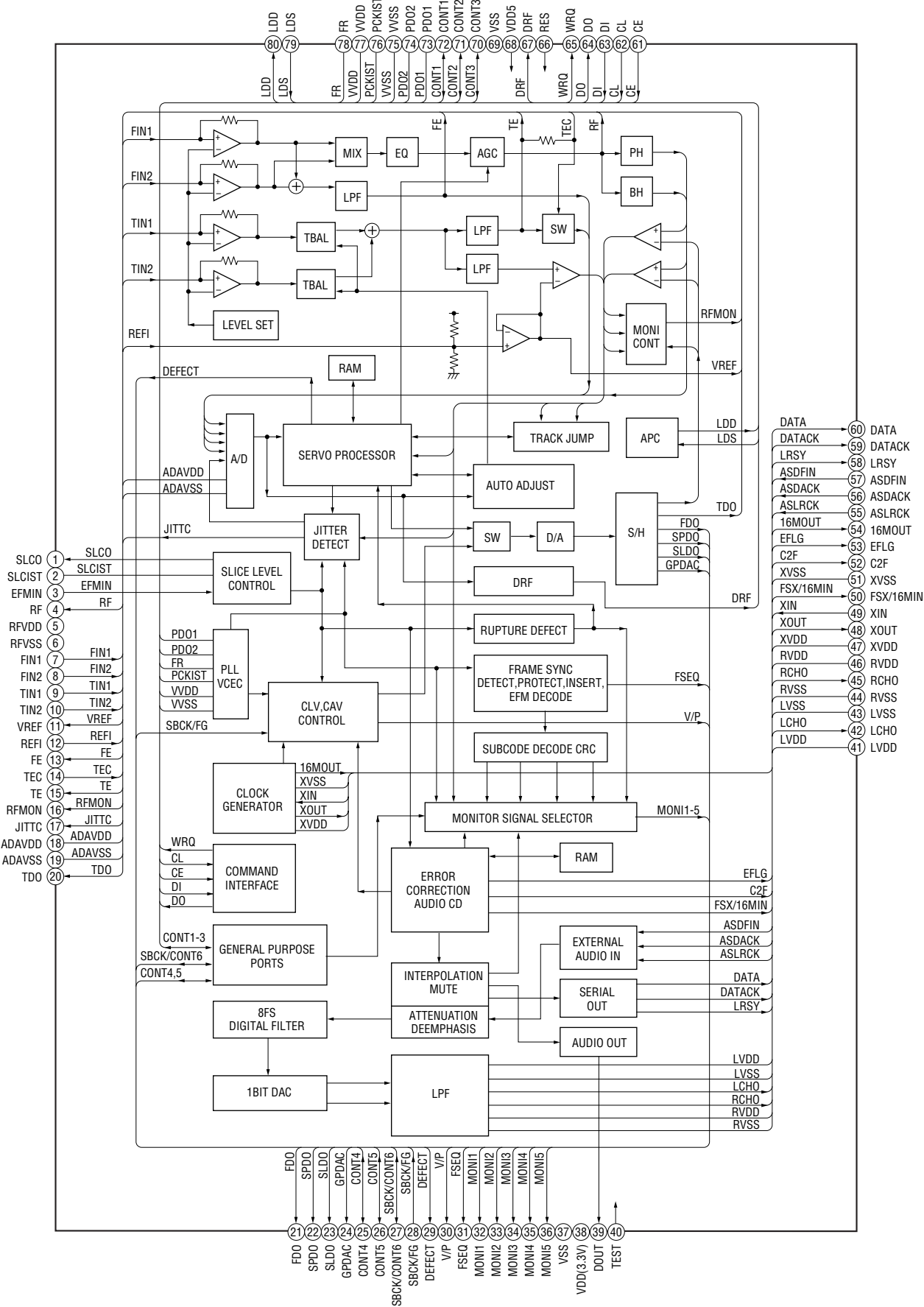


②② IC901 ⑮ (CF1)



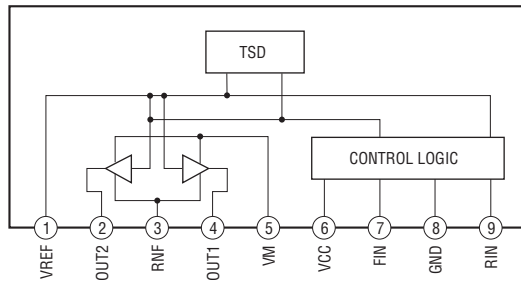
• IC Block Diagrams
– BD Board –

IC721 LC78646E-E



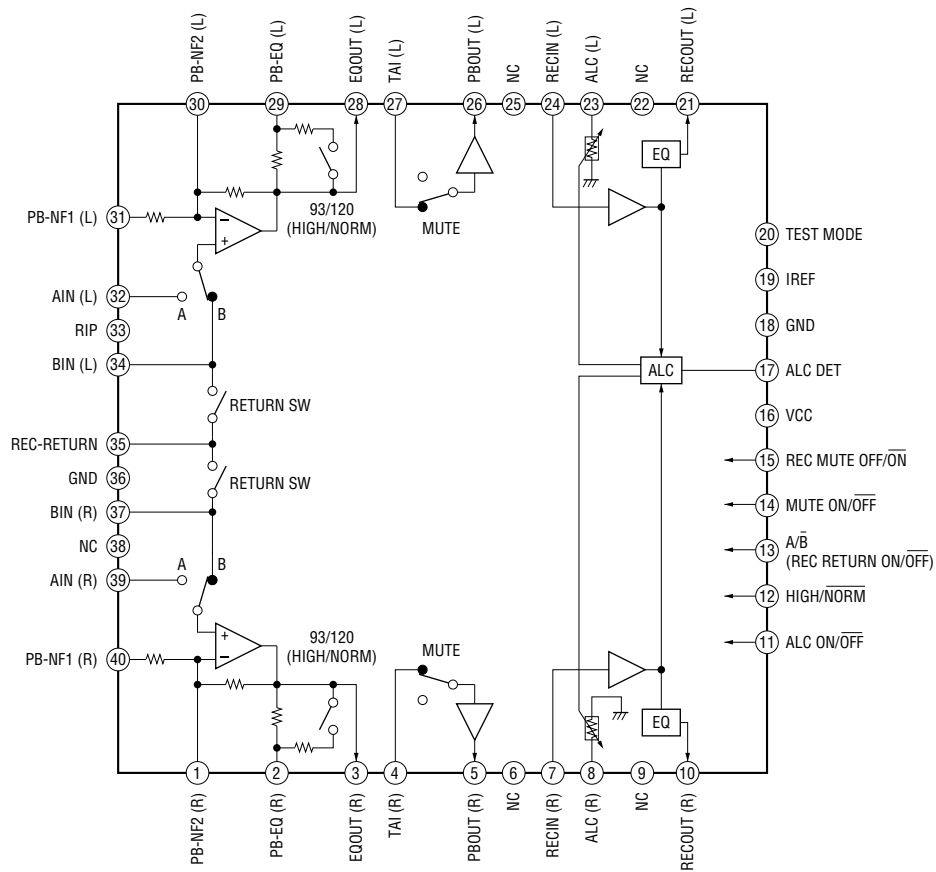
– DRIVER Board –

IC701, 712 BA6956AN

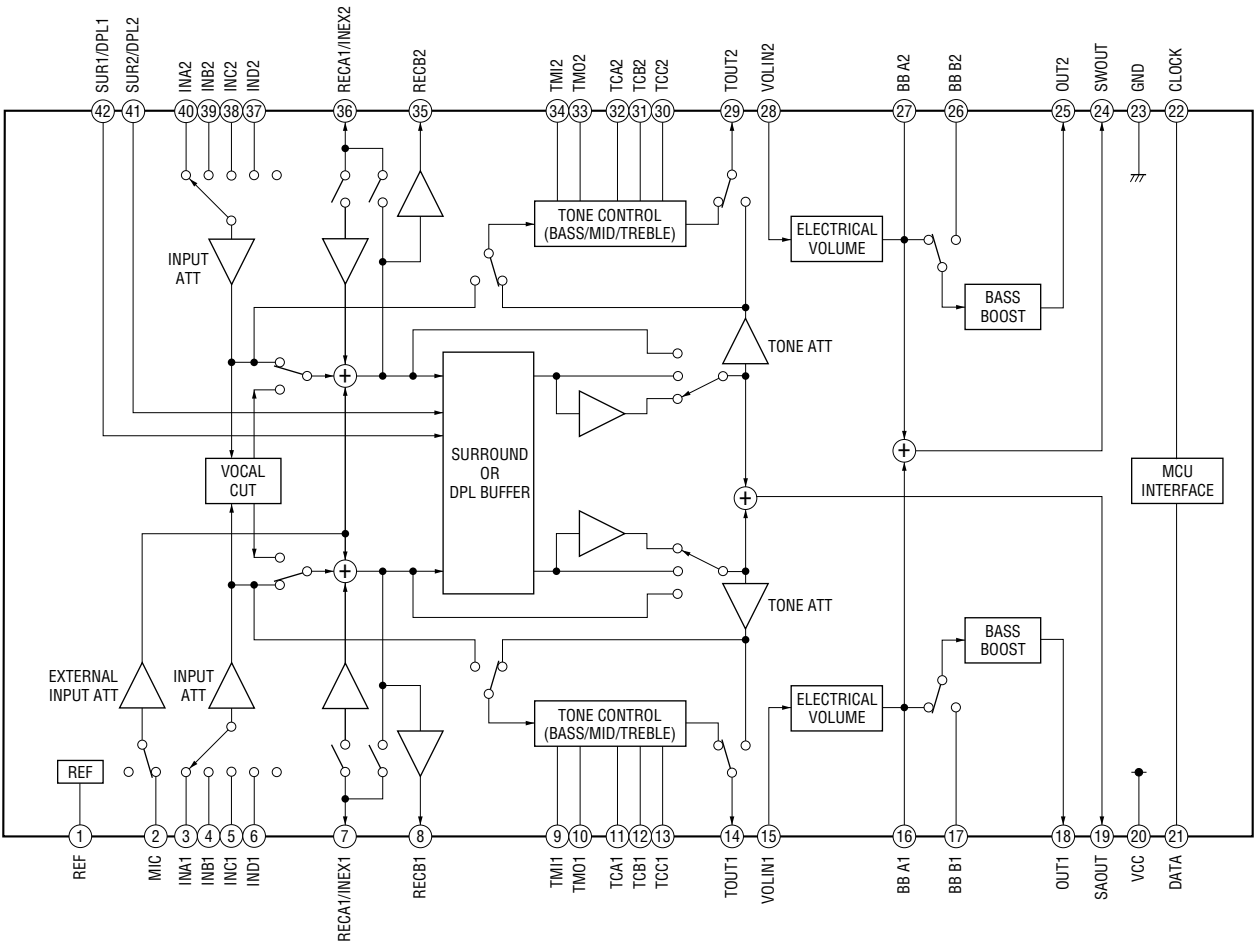


– MAIN Board –

IC201 HA12237F

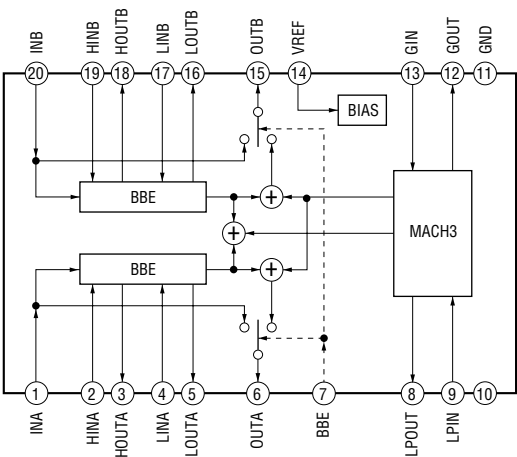


IC301 M61529FP-D60G

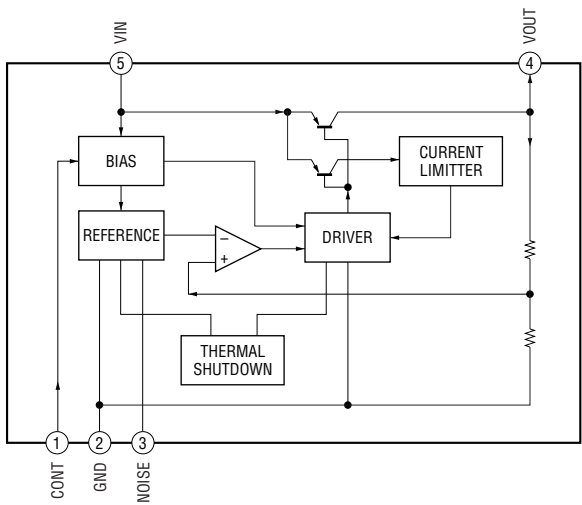


- PANEL Board -

IC303 NJM2156M (TE2)



IC501 MM1614A



6-31. IC PIN FUNCTION DESCRIPTION

• MAIN BOARD IC309 BU2099FV (MULTI CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	NC	—	Not used
3	DATA	I	Serial data input from the tape mechanism controller
4	CLOCK	I	Serial data transfer clock signal input from the system controller
5	LCK	I	Serial data latch pulse clock signal input from the system controller
6	$\overline{\text{REC}}$	O	Recording on/off control signal output terminal “L”: recording
7	$\overline{\text{BIAS}}$	O	Recording bias on/off control signal output terminal “L”: bias on
8	$\overline{\text{A/B}}$	O	Deck-A/B selection signal output to the deck-A/B select switch “L”: deck-B, “H”: deck-A
9	PB MUTE	O	Playback muting on/off control signal output to the recording/playback equalizer amplifier “H”: muting on
10	$\overline{\text{REC MUTE}}$	O	Recording muting on/off control signal output to the recording/playback equalizer amplifier “L”: muting on
11	TUNER MUTE	O	Tuner muting on/off control signal output to the tuner unit “H”: muting on
12	LM-R (CD)	O	Loading motor drive signal output terminal
13	LM-L (CD)	O	Loading motor drive signal output terminal
14	TM-R (CD)	O	Table motor drive signal output terminal
15	TM-L (CD)	O	Table motor drive signal output terminal
16	FRONT SPON/OFF	O	Front speaker on/off relay drive control signal output terminal “L”: front speaker on
17	REAR SPON/OFF	O	Surround speaker on/off relay drive control signal output terminal “H”: surround speaker on
18	SO	O	Serial data output to the bass boost controller
19	$\overline{\text{OE}}$	—	Not used
20	VDD	—	Power supply terminal (+3.3V)

• MAIN BOARD IC310 BU2099FV (BASS BOOST CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	NC	—	Not used
3	DATA	I	Serial data input from the multi controller
4	CLOCK	I	Serial data transfer clock signal input from the system controller
5	LCK	I	Serial data latch pulse clock signal input from the system controller
6 to 8	NC	—	Not used
9	$\overline{\text{I-BASS}}$	O	Bass boost on/off control signal output terminal “L”: bass boost on
10 to 12	CTRL3 to CTRL1	O	Frequency control signal output terminal
13	BB CTRL4	O	Bass boost control signal output terminal “H”: bass boost +10dB
14	BB CTRL3	O	Bass boost control signal output terminal “H”: bass boost +8dB
15	BB CTRL2	O	Bass boost control signal output terminal “H”: bass boost +6dB
16	BB CTRL1	O	Bass boost control signal output terminal “H”: bass boost +5dB
17	NC	—	Not used
18	SO	O	Serial data output terminal Not used
19	$\overline{\text{OE}}$	—	Not used
20	VDD	—	Power supply terminal (+3.3V)

• **PANEL BOARD IC201 BU2099FV (LED DRIVER)**

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	NC	—	Not used
3	DATA	I	Serial data input from the system controller
4	CLOCK	I	Serial data transfer clock signal input from the system controller
5	LCK	I	Serial data latch pulse clock signal input from the system controller
6	$\overline{\text{CD}}$	O	LED drive signal output of the CD indicator “L”: LED on
7	$\overline{\text{TUNER}}$	O	LED drive signal output of the TUNER BAND indicator “L”: LED on
8	$\overline{\text{AUX}}$	O	LED drive signal output of the MD (VIDEO) indicator “L”: LED on
9	$\overline{\text{TAPE}}$	O	LED drive signal output of the TAPE A/B indicator “L”: LED on
10	$\overline{\text{HEAVY}}$	O	LED drive signal output of the HEAVY indicator “L”: LED on
11	$\overline{\text{VOCAL}}$	O	LED drive signal output of the VOCAL indicator “L”: LED on
12	$\overline{\text{SALSA}}$	O	LED drive signal output of the SALSA indicator “L”: LED on
13	$\overline{\text{TECHNO}}$	O	LED drive signal output of the TECHNO indicator “L”: LED on
14	$\overline{\text{HIP HOP}}$	O	LED drive signal output of the HIP HOP indicator “L”: LED on
15	$\overline{\text{MANUAL}}$	O	LED drive signal output of the MANUAL indicator “L”: LED on
16, 17	NC	—	Not used
18	SO	O	Serial data output to the tape mechanism controller
19	$\overline{\text{OE}}$	—	Not used
20	VDD	—	Power supply terminal (+3.3V)

• **PANEL BOARD IC202 BU2099FV (LED DRIVER, TAPE MECHANISM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	NC	—	Not used
3	DATA	I	Serial data input from the LED driver
4	CLOCK	I	Serial data transfer clock signal input from the system controller
5	LCK	I	Serial data latch pulse clock signal input from the system controller
6	$\overline{\text{CD1}}$	O	LED drive signal output of the DISC DIRECT PLAY 1 indicator “L”: LED on
7	$\overline{\text{CD2}}$	O	LED drive signal output of the DISC DIRECT PLAY 2 indicator “L”: LED on
8	$\overline{\text{CD3}}$	O	LED drive signal output of the DISC DIRECT PLAY 3 indicator “L”: LED on
9	$\overline{\text{i-BASS}}$	O	LED drive signal output of the i-BASS indicator “L”: LED on
10	$\overline{\text{MOTOR}}$	O	Capstan/reel motor drive signal output terminal “L”: motor on
11	$\overline{\text{A-SOL}}$	O	Deck-A side trigger plunger drive signal output terminal “L”: plunger on
12	$\overline{\text{B-SOL}}$	O	Deck-B side trigger plunger drive signal output terminal “L”: plunger on
13 to 17	NC	—	Not used
18	SO	O	Serial data output to the multi controller
19	$\overline{\text{OE}}$	—	Not used
20	VDD	—	Power supply terminal (+3.3V)

• **PANEL BOARD IC901 LC8767962B-51F6 (SYSTEM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	O-SYS-MUTE	O	Line muting on/off control signal output terminal “H”: muting on
2	I-BU1924 DI	I	RDS serial data input from the tuner unit (AEP and UK models) Not used (Except AEP and UK models)
3	I-BU1924 CLK	I	RDS serial data transfer clock signal input from the tuner unit (AEP and UK models) Not used (Except AEP and UK models)
4	O-CL78646 RESET	O	Reset signal output to the CD DSP “L”: reset
5	O-CL78646 CE	O	Chip enable signal output to the CD DSP
6	O-CL78684 CE	O	Chip enable signal output to the MP3 decoder
7	O-M61529 CLK	O	Serial data transfer clock signal output to the electrical volume
8	O-BU2099 LCK	O	Serial data latch pulse clock signal output to the LED driver, tape mechanism controller, multi controller and bass boost controller
9	O-LC72121 CE	O	Chip enable signal output to the tuner unit
10	I-CL78684 SYNC	I	Chip enable signal input from the MP3 decoder
11	RESET	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
12	XT1	I	Sub system clock input terminal (32.768 kHz)
13	XT2	O	Sub system clock output terminal (32.768 kHz)
14	VSS1	—	Ground terminal
15	CF1	I	Main system clock input terminal (8.64 MHz)
16	CF2	O	Main system clock output terminal (8.64 MHz)
17	VDD1	—	Power supply terminal (+3.3V)
18	I-SPEANA L	I	Spectrum analyzer drive (low frequency) signal input from the spectrum analyzer band-pass filter
19	I-SPEANA M	I	Spectrum analyzer drive (middle frequency) signal input from the spectrum analyzer band-pass filter
20	I-SPEANA H	I	Spectrum analyzer drive (high frequency) signal input from the spectrum analyzer band-pass filter
21	I-MIC/I-TU SIG	I	Mic audio signal input terminal (Except AEP, UK and CIS models) Not used (AEP, UK and CIS models)
22	I-BU UP DOWN/ CD OPEN CLOSE	I	Optical pick-up up/down detection signal and CD tray open/close detection signal input terminal
23	NC	—	Not used
24 to 26	I-KEY3 to I-KEY1	I	Front panel key input terminal (A/D input)
27	I-POWER DOWN	I	AC detection signal input terminal “L”: power down
28	I-RMC	I	Remote control signal input terminal
29	I-HOLD	I	System malfunction signal (hold signal) input from the power amplifier circuit
30	G1	O	Grid drive signal output to the fluorescent indicator tube Not used
31 to 40	G2 to G11	O	Grid drive signal output to the fluorescent indicator tube
41 to 45	S1 to S5	O	Segment drive signal output to the fluorescent indicator tube
46	VDD3	—	Power supply terminal (+3.3V)
47	S6/I-A-MODE	I/O	Segment drive signal output to the fluorescent indicator tube and deck-A mode detection signal input from the tape mechanism deck block “L” active
48	S7/I-A-PHOTO	I/O	Segment drive signal output to the fluorescent indicator tube and deck-A tape reel rotating detection signal input from the tape mechanism deck block
49	S8/I-A-HALF	I/O	Segment drive signal output to the fluorescent indicator tube and deck-A cassette detection signal input from the tape mechanism deck block “L”: cassette in
50	I-REC (FWD)	I	Recording-proof (forward direction) detection signal input from the tape mechanism deck block “L”: recording possible

Pin No.	Pin Name	I/O	Description
51	FIX0	—	Not used
52	I-B-PHOTO	I	Deck-B tape reel rotating detection signal input from the tape mechanism deck block
53	I-B-HALF	I	Deck-B cassette detection signal input from the tape mechanism deck block “L”: cassette in
54	S9/I-B-MODE	I/O	Segment drive signal output to the fluorescent indicator tube and deck-B mode detection signal input from the tape mechanism deck block “L” active
55	S10/I-REC (REW)	I/O	Segment drive signal output to the fluorescent indicator tube and recording-proof (reverse direction) detection signal input from the tape mechanism deck block “L”: recording possible
56 to 71	S11 to S26	O	Segment drive signal output to the fluorescent indicator tube
72	VDD4	—	Power supply terminal (+3.3V)
73 to 75	—	—	Not used
76	I-HP-MUTE	I	Headphone detection signal input terminal “H”: headphone in
77	I-TRE B	I	Jog dial pulse input from the rotary encoder (TREBLE/MIDDLE) (B phase input)
78	I-TRE A	I	Jog dial pulse input from the rotary encoder (TREBLE/MIDDLE) (A phase input)
79	I-BASS B	I	Jog dial pulse input from the rotary encoder (BASS) (B phase input)
80	I-BASS A	I	Jog dial pulse input from the rotary encoder (BASS) (A phase input)
81	I-JOG B	I	Jog dial pulse input from the rotary encoder (jog dial) (B phase input)
82	I-JOG A	I	Jog dial pulse input from the rotary encoder (jog dial) (A phase input)
83	I-VOL B	I	Jog dial pulse input from the rotary encoder (VOLUME) (B phase input)
84	I-VOL A	I	Jog dial pulse input from the rotary encoder (VOLUME) (A phase input)
85	I-WRQ	I	CD interruption signal input from the CD DSP
86	I-CD DRF	I	CD focus on/off detection signal input from the CD DSP
87	I-LC72121 DI	I	Serial data input from the tuner unit
88	I-TUNER TUNE	I	Tuning detection signal input from the tuner unit “L”: tuned
89	VSS2	—	Ground terminal
90	VDD2	—	Power supply terminal (+3.3V)
91	O-LC72121/ M61529/BU2099 DO	O	Serial data output to the tuner unit, electrical volume and LED driver
92	O-LC72121/ BU2099 CLK	O	Serial data transfer clock signal output tuner unit, LED driver, tape mechanism controller, multi controller and bass boost controller
93	O-POWER LED	O	LED drive signal output of the POWER  STANDBY/ON indicator “L”: LED on
94	O-POWER RELAY	O	Power on/off relay drive signal output terminal “H”: power on
95	O-KEYSCAN	O	Key scan signal output for initial diode and switches in the tape mechanism deck “L”: key scan
96	I-CD NUMBER SENS	I	CD table address detection signal input terminal
97	I-TUNER STEREO	I	FM stereo detection signal input from the tuner unit “L”: stereo
98	O-LC78646/ LC78684 DO	O	Serial data output to the CD DSP and MP3 decoder
99	I-LC78646/ LC78684 DI	I	Serial data input from the CD DSP and MP3 decoder
100	O-LC78646/ LC78684 CLK	O	Serial data transfer clock signal output to the CD DSP and MP3 decoder

SECTION 7

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)

KNOB, BALANCE (WHITE) . . . (RED)

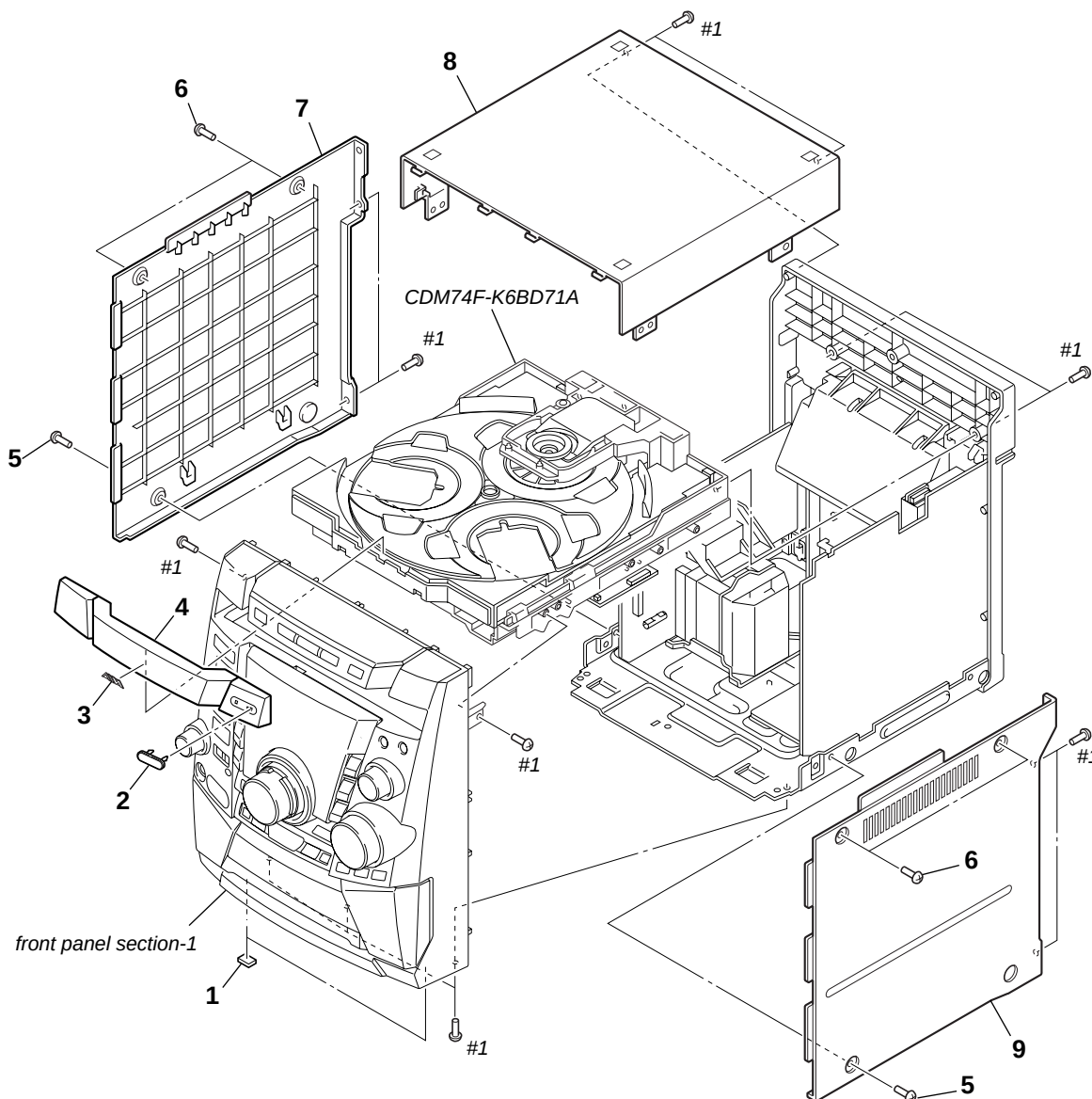
Parts Color Cabinet's Color

- 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.

- Abbreviation
AUS : Australian model
E51 : Chilean and Peruvian models
SP : Singapore model

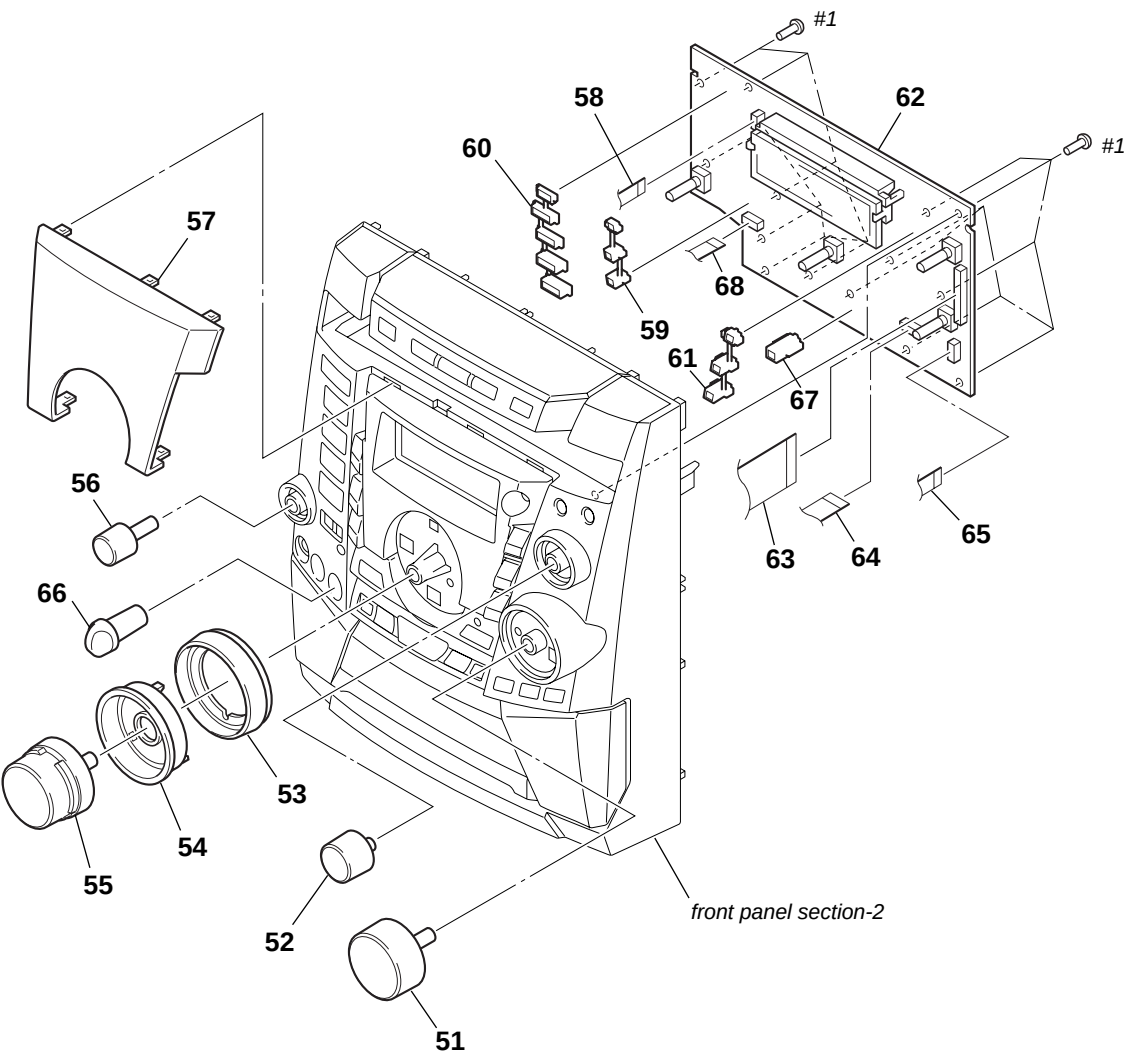
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

7-1. CASE SECTION



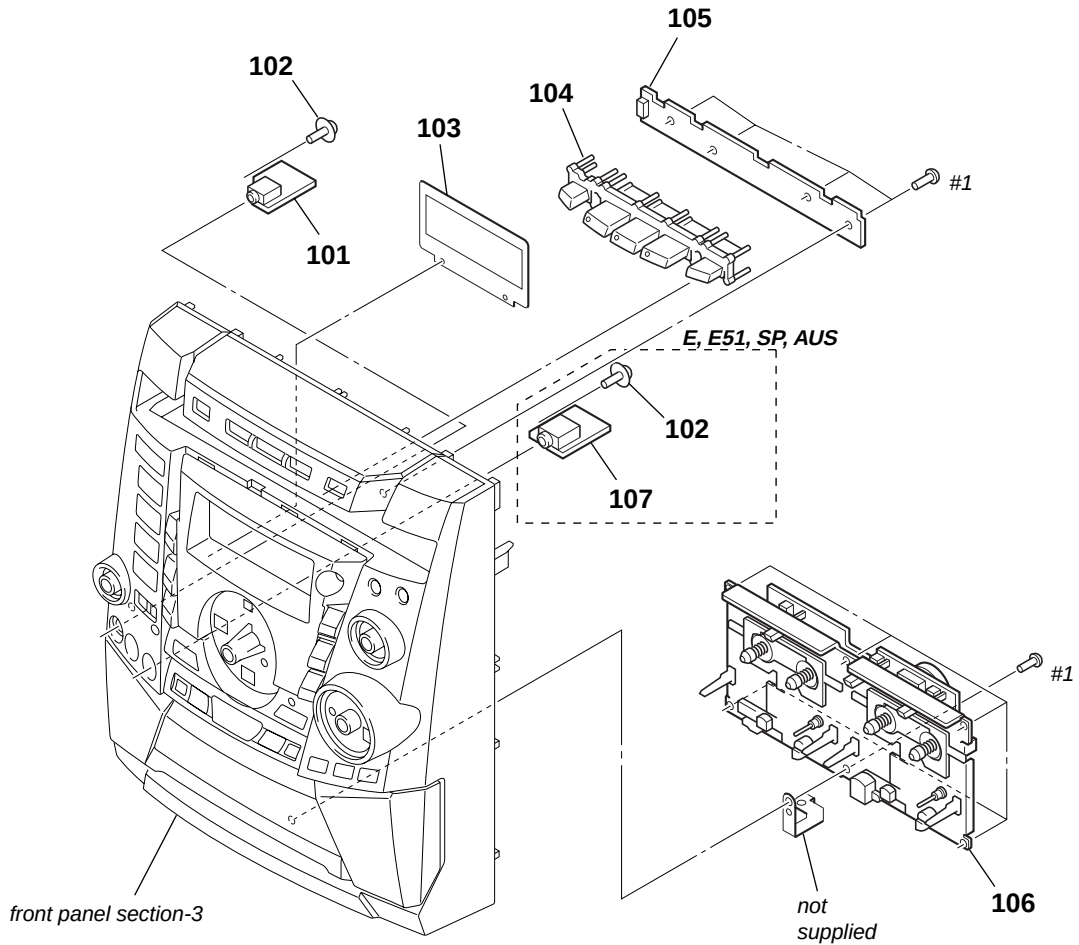
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
1	4-233-980-01	RUBBER FOOT		6	3-363-099-41	SCREW (CASE 3 TP2)	
2	4-246-682-01	EMBLEM (30), MP3		7	4-245-183-51	CASE (SIDE-L)	
3	4-245-158-01	EMBLEM		8	4-244-849-51	CASE (TOP)	
4	4-245-113-01	PANEL, TRAY		9	4-245-184-51	CASE (SIDE-R)	
5	3-363-099-01	SCREW (CASE 3 TP2)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-2. FRONT PANEL SECTION-1



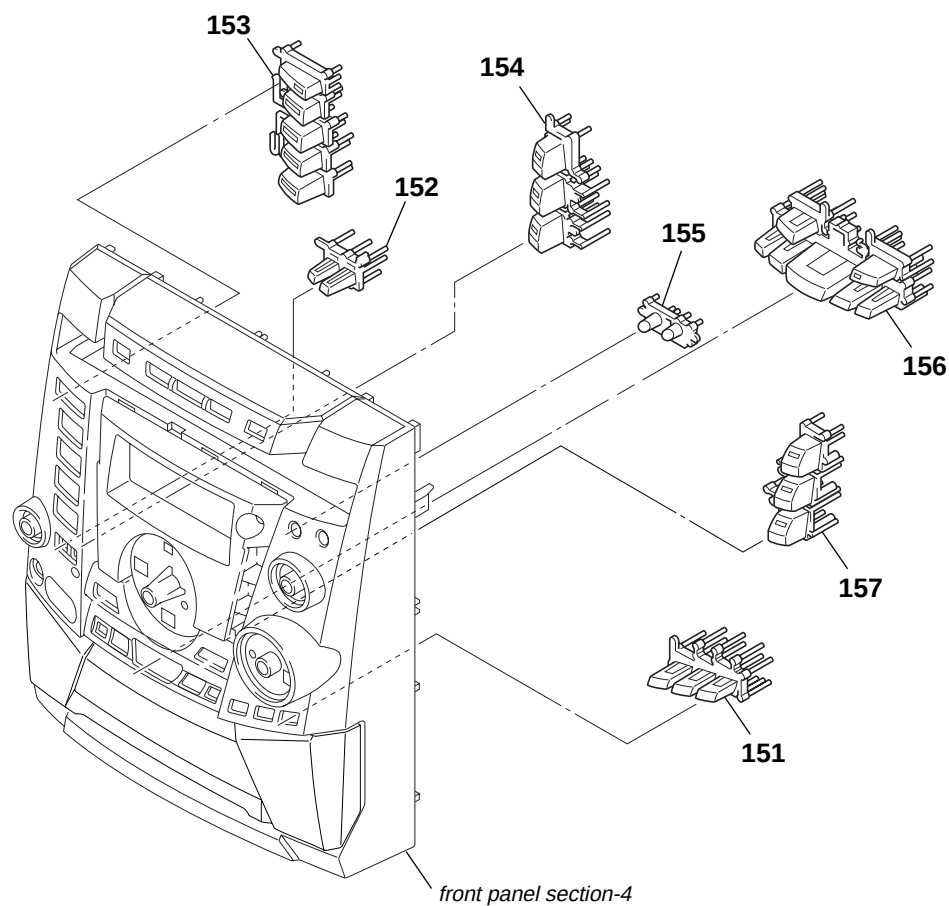
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-245-125-01	KNOB, ROTARY VOLUME		60	4-245-134-01	GUIDE, LED POWER	
52	4-245-126-01	KNOB, ROTARY JOG		61	4-245-141-01	GUIDE, LED GRAPHIC EQUALIZER (R)	
53	4-246-528-01	RING (BASS)		62	A-4734-174-A	PANEL BOARD, COMPLETE (AEP, UK)	
54	4-245-131-01	PANEL, BASS		62	A-4734-290-A	PANEL BOARD, COMPLETE (E51)	
55	4-245-128-01	KNOB, ROTARY BASS	(AEP, UK, CIS, E, SP, AUS)	62	A-4734-798-A	PANEL BOARD, COMPLETE (CIS)	
55	4-245-132-01	KNOB, ROTARY BASS (LH) (E51)		62	A-4734-949-A	PANEL BOARD, COMPLETE (E, SP, AUS)	
56	4-245-127-01	KNOB, ROTARY TREBLE		63	1-773-322-11	WIRE (FLAT TYPE) (31 CORE)	
57	4-245-114-11	WINDOW, DISPLAY (CIS)		64	1-769-976-11	WIRE (FLAT TYPE) (13 CORE)	
57	4-245-114-21	WINDOW, DISPLAY (AEP, UK)		65	1-769-919-11	WIRE (FLAT TYPE) (9 CORE)	
57	4-245-114-31	WINDOW, DISPLAY (E51)		66	4-245-119-01	KNOB, MICROPHONE (E, E51, SP, AUS)	
57	4-245-114-91	WINDOW, DISPLAY (E, SP, AUS)		67	4-245-144-01	GUIDE, LED BASS	
58	1-769-889-11	WIRE (FLAT TYPE) (7 CORE)		68	1-827-399-11	WIRE (FLAT TYPE) (3 CORE) (E, E51, SP, AUS)	
59	4-245-135-01	GUIDE, LED GRAPHIC EQUALIZER (L)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-3. FRONT PANEL SECTION-2



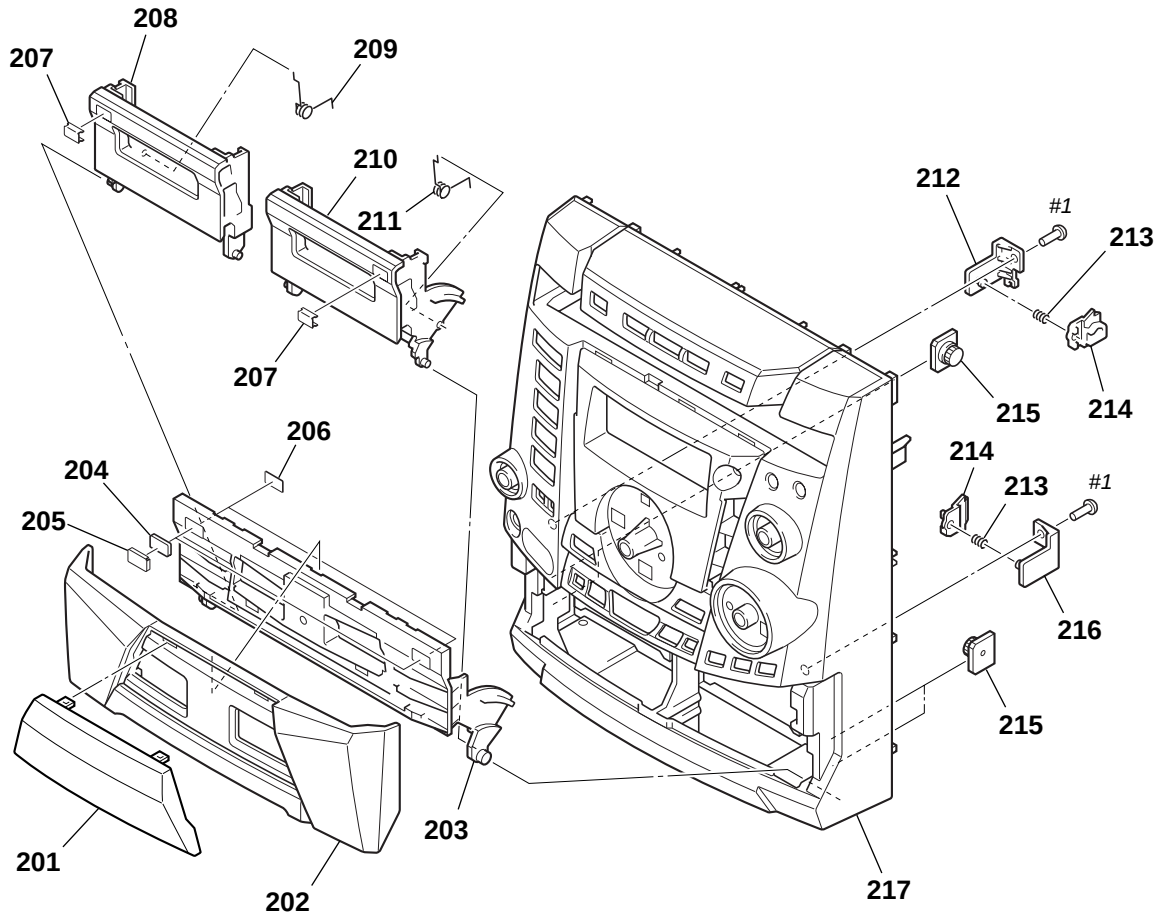
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-688-545-11	HEADPHONE BOARD		105	1-688-546-11	CD BUTTON BOARD	
102	3-229-336-01	SCREW, +BVWH TAPPING		106	1-796-487-41	DECK, MECHANICAL (CWM43RR23)	
103	4-245-142-01	SHEET, FL F4		107	1-688-547-11	MICROPHONE BOARD (E, E51, SP, AUS)	
104	X-4955-415-1	KEY (CD) ASSY (DISC CHANGE. 1. 2. 3. ▲)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-4. FRONT PANEL SECTION-3



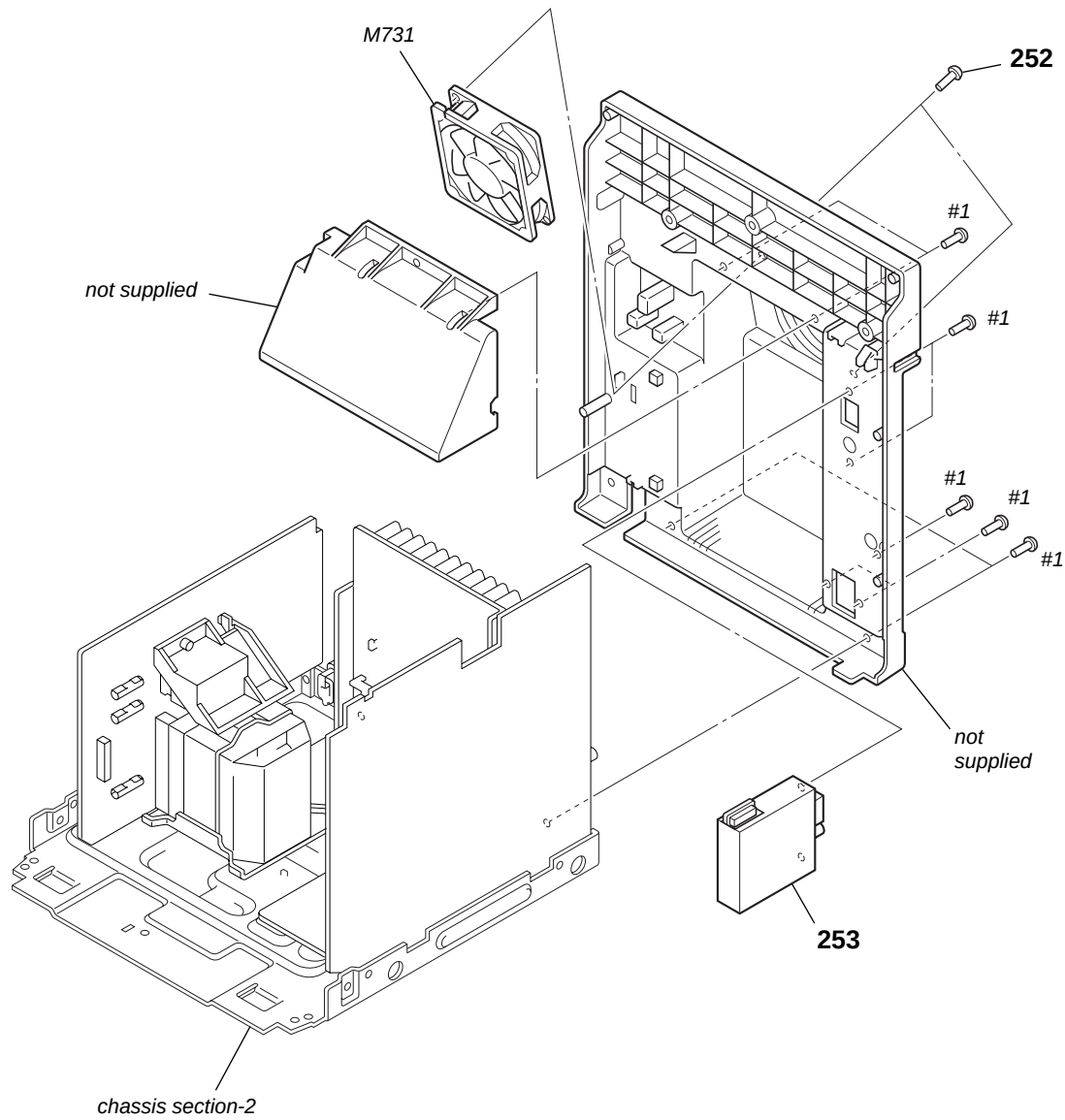
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-245-124-01	KEY, RDS		156	X-4955-414-1	KEY (OPE) ASSY (SURROUND. i-BASS. ◀◀. . ▶▶. ■. ▶▶)	
152	4-245-122-01	KEY, REC		157	X-4955-413-1	KEY (GEQ R) ASSY (TECHNO. HIP HOP. MANUAL)	
153	X-4955-411-1	KEY (POWER) ASSY					
154	X-4955-412-1	KEY (GEQ L) ASSY (HEAVY. VOCAL. SALSA)					
155	4-245-121-01	KEY, ENTER					

7-5. FRONT PANEL SECTION-4



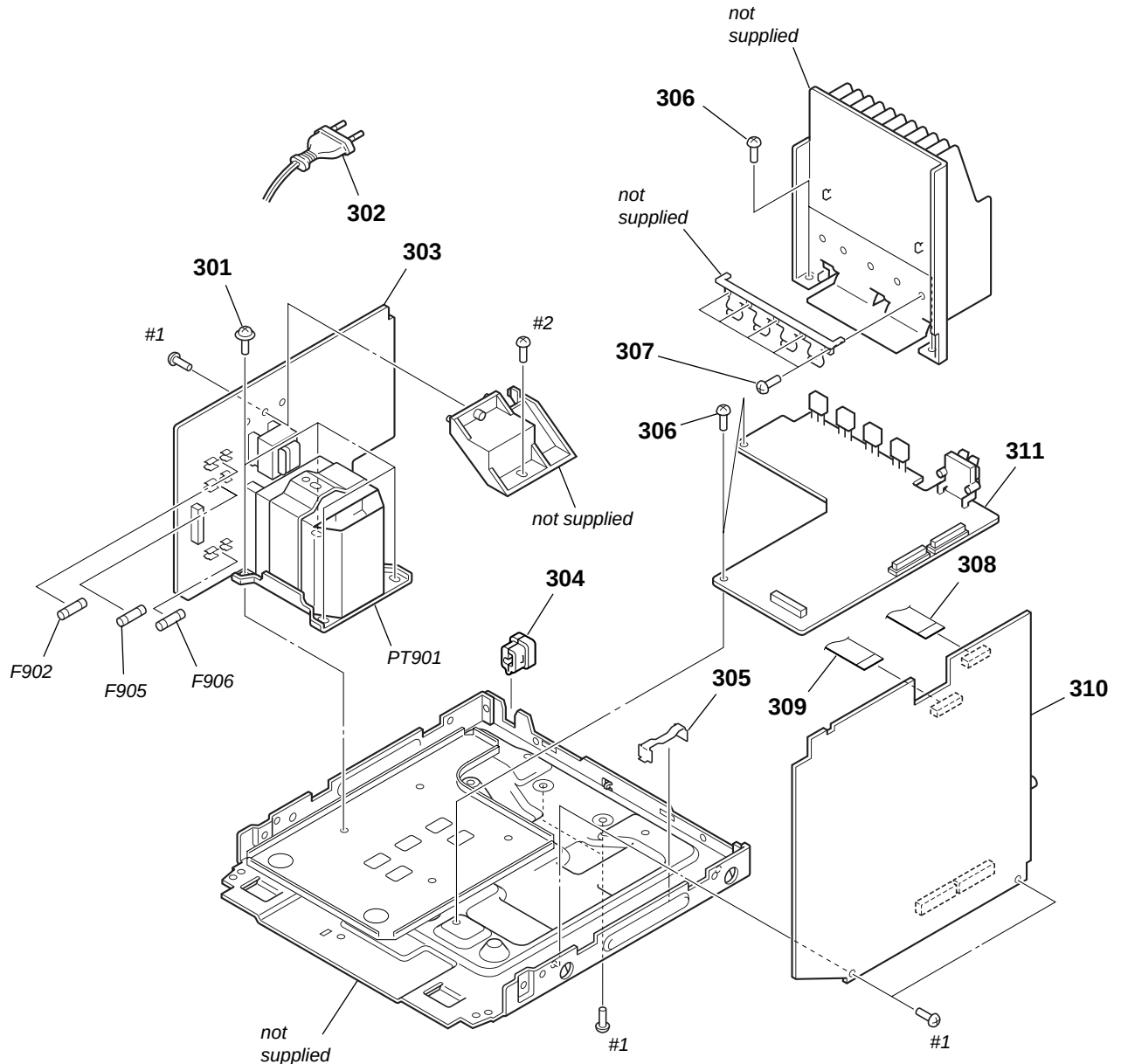
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-245-115-01	WINDOW, CASSETTE		211	4-245-010-01	SPR-T, BOX CASS R	
202	4-245-111-01	PANEL, DOOR		212	4-242-174-01	HLDR, LOCK 1	
203	4-245-110-01	BOX, DOOR		213	4-242-173-01	SPR-C, LOCK	
204	4-242-161-01	MAGNET, BOX		214	4-242-172-01	PLATE, LOCK	
205	4-242-163-01	COVER, MAGNET		215	4-224-104-41	DAMPER	
206	4-242-164-01	SH, W/ADH		216	4-242-175-01	HLDR, LOCK2	
207	4-242-162-01	PLATE, BOX		217	4-245-108-11	CABINET, FRONT (E, E51, SP, AUS)	
208	4-245-112-01	BOX, CASSETTE (1)		217	4-245-108-21	CABINET, FRONT (AEP, UK)	
209	4-245-009-01	SPR-T, BOX CASS L		217	4-245-108-31	CABINET, FRONT (CIS)	
210	4-245-138-01	BOX, CASSETTE (2)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-6. CHASSIS SECTION-1



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
252	4-951-620-41	SCREW (2.6), +BVTP		253	1-693-628-21	TUNER (FM/AM) (E, E51, SP, AUS)	
253	1-693-626-11	TUNER (FM/AM) (AEP, UK)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
253	1-693-627-11	TUNER (FM/AM) (CIS)		M731	1-763-072-11	FAN, DC	

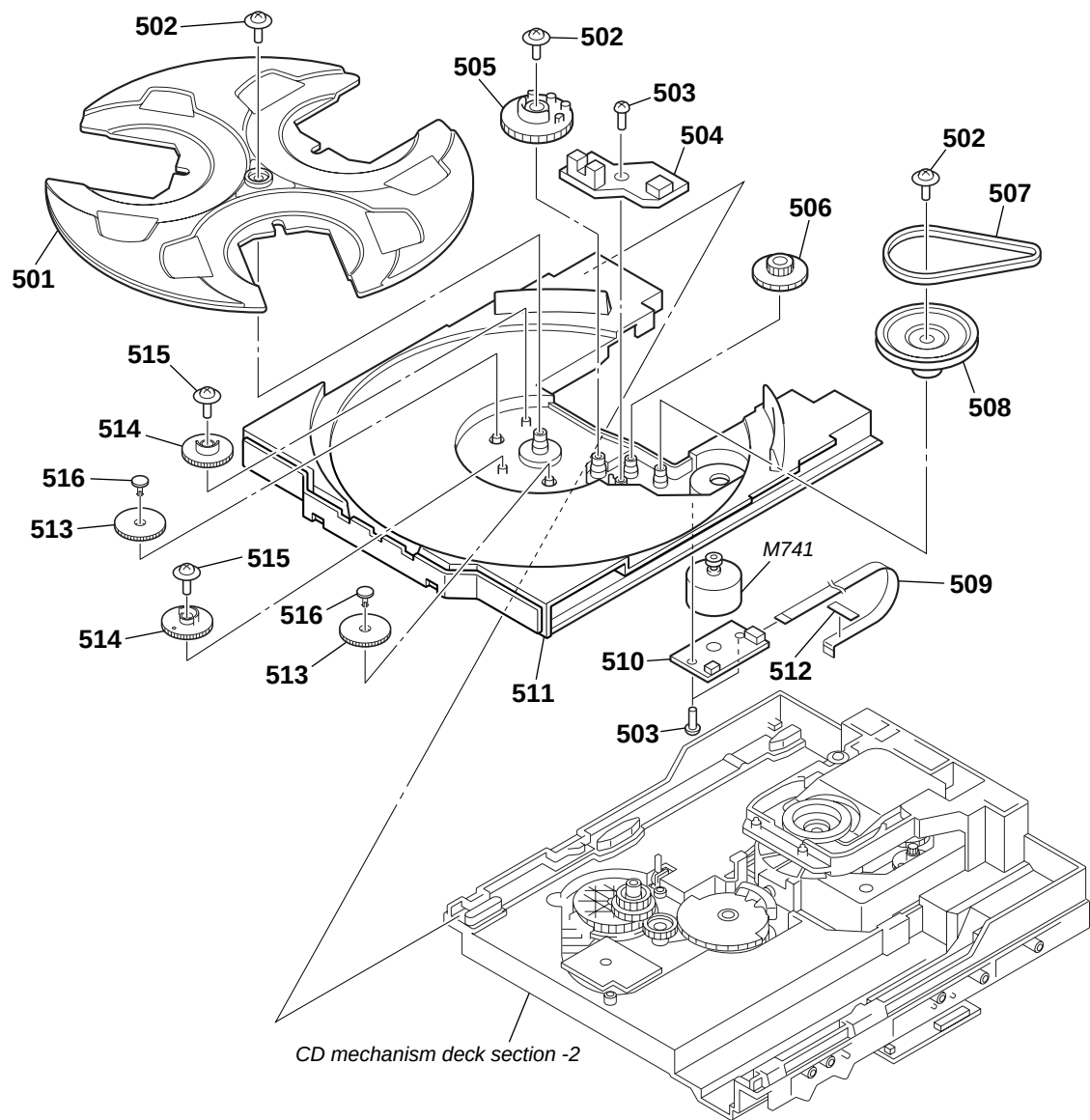
7-7. CHASSIS SECTION-2



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

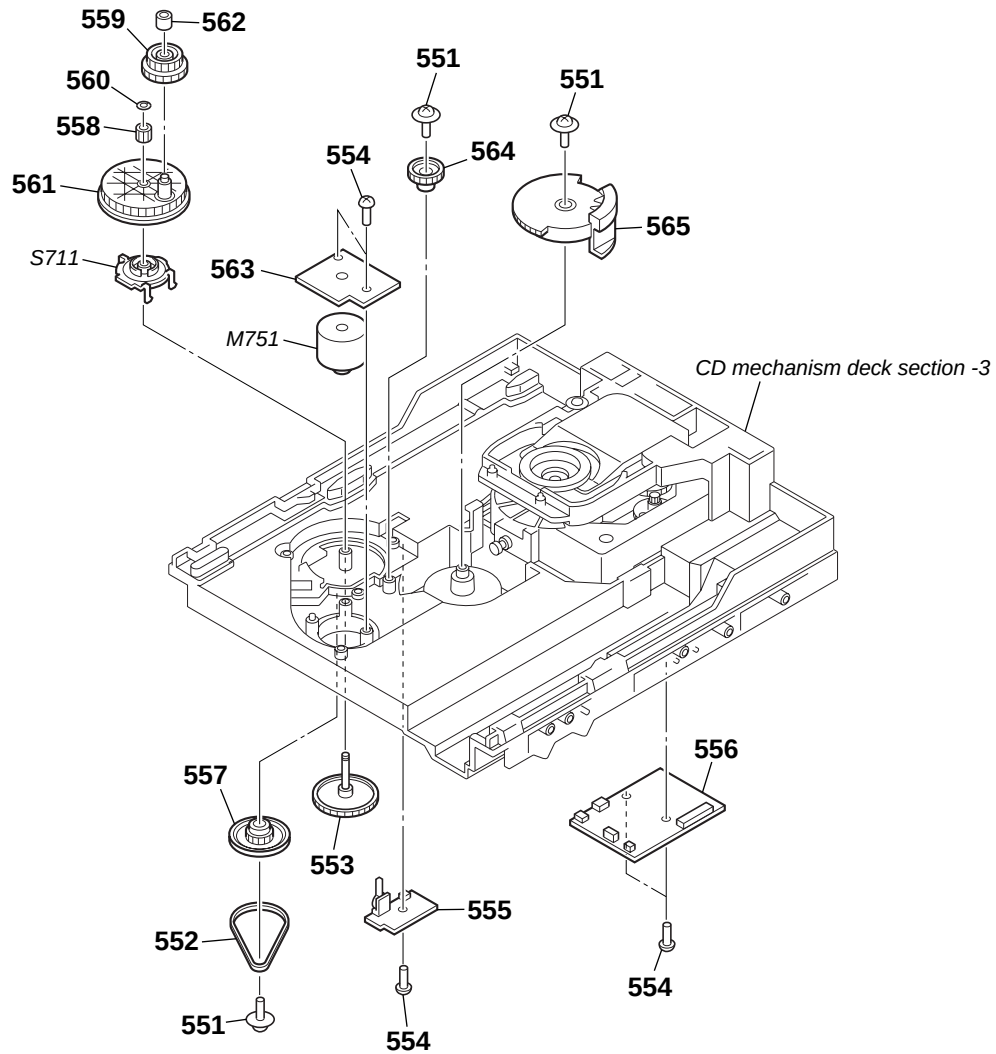
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	4-242-526-01	S-SCREW, ITC+4-10 R		310	A-4734-455-A	MAIN BOARD, COMPLETE (E51)	
$\triangle$ 302	1-792-948-12	CORD, POWER (E)		310	A-4734-803-A	MAIN BOARD, COMPLETE (CIS)	
$\triangle$ 302	1-777-071-83	CORD, POWER (AEP, CIS, SP, E51)		310	A-4734-957-A	MAIN BOARD, COMPLETE (E, SP, AUS)	
$\triangle$ 302	1-783-532-11	CORD, POWER (UK)		311	A-4734-177-A	POWER BOARD, COMPLETE (AEP, UK, CIS)	
$\triangle$ 302	1-792-948-12	CORD, POWER (AUS)		311	A-4734-293-A	POWER BOARD, COMPLETE (E51)	
303	1-688-760-12	TRANSFORMER BOARD (AEP, UK, CIS, E51)		311	A-4734-952-A	POWER BOARD, COMPLETE (E, SP)	
303	1-688-960-11	TRANSFORMER BOARD (E, SP, AUS)		311	A-4734-959-A	POWER BOARD, COMPLETE (AUS)	
* 304	3-703-244-00	BUSHING (2104), CORD		$\triangle$ F902	1-533-469-11	FUSE, GLASS TUBE (DIA. 5) (T2.5A/250V)	
305	4-988-533-01	HOLDER, PWB		$\triangle$ F905	1-576-655-11	FUSE, GLASS TUBE (DIA. 5) (T8A/250V)	
306	4-242-539-01	BVIT3B-8R W/O SLOT		$\triangle$ F906	1-576-655-11	FUSE, GLASS TUBE (DIA. 5) (T8A/250V)	
307	3-905-609-01	SCREW (TRANSISTOR)		$\triangle$ PT901	1-439-787-11	TRANSFORMER, POWER (E51)	
308	1-769-939-11	WIRE (FLAT TYPE) (11 CORE) (CIS, E, E51, SP, AUS)		$\triangle$ PT901	1-439-789-11	TRANSFORMER, POWER (AEP, UK, CIS)	
308	1-773-003-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)		$\triangle$ PT901	1-439-940-11	TRANSFORMER, POWER (E, SP, AUS)	
309	1-827-146-11	WIRE (FLAT TYPE) (19 CORE)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
310	A-4734-192-A	MAIN BOARD, COMPLETE (AEP, UK)		#2	7-685-872-09	SCREW +BVTT 3X8 (S)	

7-8. CD MECHANISM DECK SECTION-1
(CDM74F-K6BD71A)



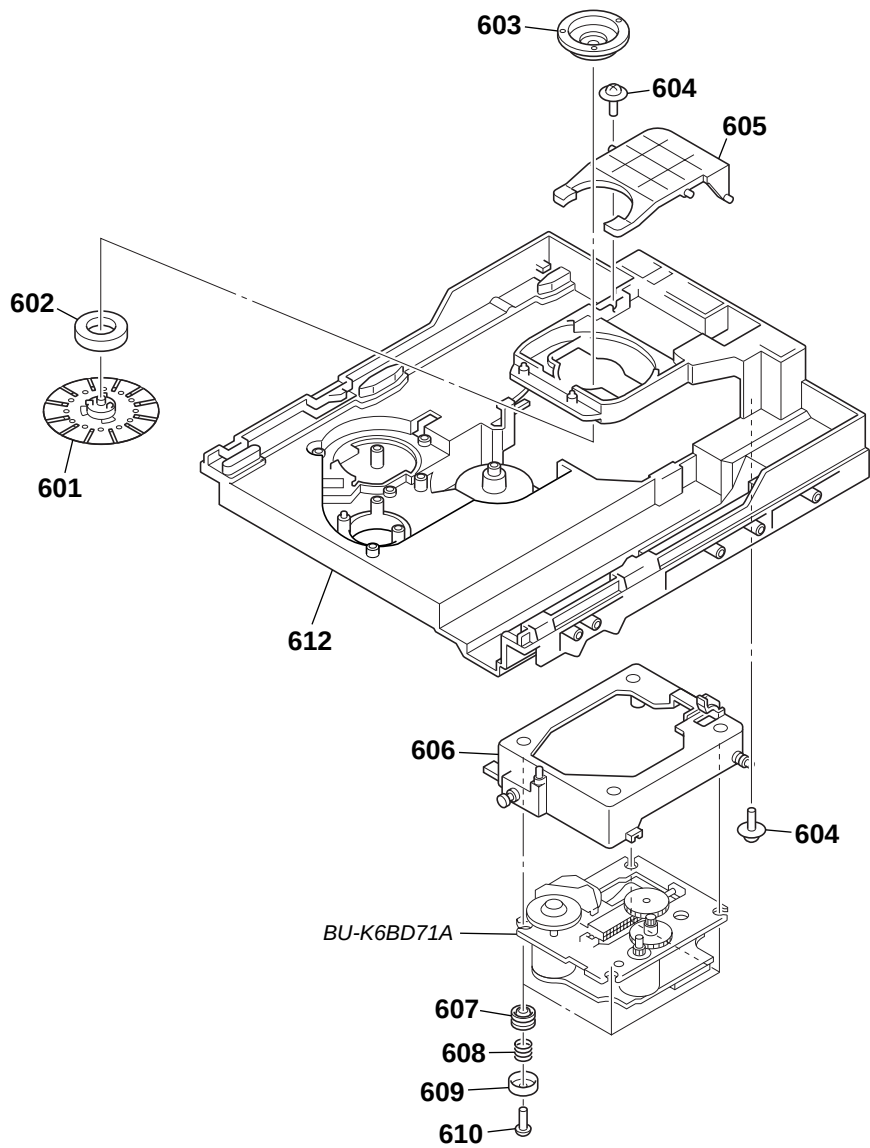
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	-243-815-01	TABLE (LOADING)		510	1-687-134-11	MOTOR (TB) BOARD	
502	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		511	4-243-816-01	TRAY	
503	4-218-253-21	SCREW (M2.6), +BTTP		512	3-231-598-01	SHEET (BA)	
504	1-687-132-11	SENSOR BOARD		513	4-245-570-01	GEAR (JOINT)	
505	4-243-819-01	GEAR (GENEVA)		514	4-245-571-01	GEAR (STOPPER)	
506	4-243-820-01	GEAR (TABLE)		515	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
507	4-243-823-01	BELT (TABLE)		516	4-245-572-01	BUSHING (GEAR)	
508	4-243-821-01	PULLEY (TABLE)		M741	A-4723-963-A	MOTOR ASSY, TABLE	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)					

7-9. CD MECHANISM DECK SECTION-2 (CDM74F-K6BD71A)



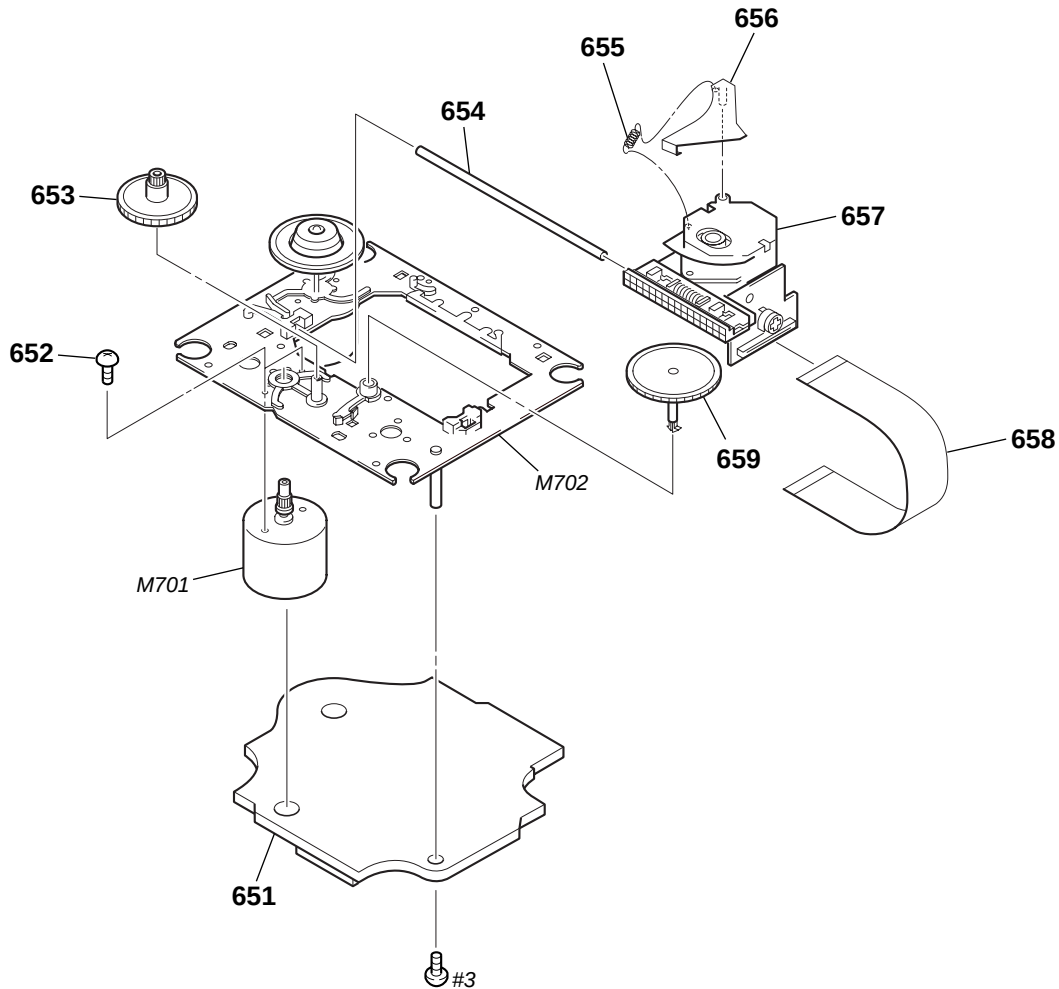
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
551	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		560	3-016-533-11	WASHER (FR), STOPPER	
552	4-244-034-01	BELT (LOADING)		561	4-244-108-01	GEAR, SWING	
553	4-224-613-01	GEAR (SHAFT)		562	4-224-608-01	COLLAR, SWING	
554	4-218-253-31	SCREW (M2.6), +BTTP		563	1-687-133-11	MOTOR (LD) BOARD	
555	1-687-669-11	SW BOARD		564	4-224-606-01	GEAR (RV)	
556	1-687-135-11	DRIVER BOARD		565	4-243-818-01	GEAR (U/D)	
557	4-225-844-01	GEAR (LOADING A)		M751	A-4736-655-A	MOTOR ASSY, LOADING	
558	4-224-611-01	GEAR (LOADING B)		S711	1-477-680-11	ENCODER, ROTARY	
559	4-224-609-01	GEAR (LOADING C)				(DISC TRAY ADDRESS DETECT)	

7-10. CD MECHANISM DECK SECTION-3
(CDM74F-K6BD71A)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
601	X-4955-707-1	PULLEY (A5) ASSY, CHUCKING		607	4-227-549-11	INSULATOR	
602	1-471-035-11	MAGNET ASSY		608	4-227-045-31	SPRING (INSULATOR), COIL	
603	4-231-189-01	PULLEY (B), CHUCKING		609	4-231-151-01	STOPPER (BU)	
604	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		610	4-218-253-31	SCREW (M2.6), +BTTP	
605	4-243-822-01	LEVER (LIFTER)		612	4-243-817-01	CHASSIS	
606	X-4955-536-1	HOLDER (213) ASSY					

7-11. BASE UNIT SECTION
(BU-K6BD71A)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
651	A-4732-699-A	BD BOARD, COMPLETE		Δ 657	8-820-020-11	OPTICAL PICK-UP KSS-213D/Z-RP	
652	3-713-786-51	SCREW (M2X3)		658	1-823-859-11	WIRE (FLAT TYPE) (16 CORE)	
653	2-627-003-01	GEAR (B) (RP)		659	2-625-188-02	GEAR (A)	
654	2-626-908-51	SHAFT, SLED		M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
655	2-646-702-01	SPRING, EXTENSION		M702	X-2161-802-1	CHASSIS ASSY (DCP), T. T (SPINDLE)	
656	2-646-697-02	SHUTTER (F), LENS		#3	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	

SECTION 8
ELECTRICAL PARTS LIST

- 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
AUS : Australian model
E51 : Chilean and Peluvian models
SP : Singapore 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
	A-4732-699-A	BD BOARD, COMPLETE					

		< CAPACITOR >					
C701	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C803	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C702	1-126-392-11	ELECT CHIP 100uF	20% 6.3V	C804	1-162-945-11	CERAMIC CHIP 22PF	5% 50V
C703	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C805	1-126-392-11	ELECT CHIP 100uF	20% 6.3V
C704	1-126-391-11	ELECT CHIP 47uF	20% 6.3V	C806	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C705	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C807	1-126-392-11	ELECT CHIP 100uF	20% 6.3V
C706	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C810	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C707	1-126-392-11	ELECT CHIP 100uF	20% 6.3V	C811	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C708	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C812	1-115-156-11	CERAMIC CHIP 1uF	10V
C709	1-126-392-11	ELECT CHIP 100uF	20% 6.3V	C813	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C710	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V	C814	1-126-392-11	ELECT CHIP 100uF	20% 6.3V
C711	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C815	1-128-360-11	ELECT CHIP 220uF	20% 10V
C712	1-162-949-11	CERAMIC CHIP 47PF	5% 50V	C816	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C713	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V	C817	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C714	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C823	1-162-949-11	CERAMIC CHIP 47PF	5% 50V
C715	1-126-401-21	ELECT CHIP 1uF	20% 50V	C824	1-162-949-11	CERAMIC CHIP 47PF	5% 50V
C716	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C825	1-162-949-11	CERAMIC CHIP 47PF	5% 50V
C717	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V	C829	1-162-949-11	CERAMIC CHIP 47PF	5% 50V
C718	1-115-156-11	CERAMIC CHIP 1uF	10V	C830	1-162-945-11	CERAMIC CHIP 22PF	5% 50V
C719	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V	C831	1-162-945-11	CERAMIC CHIP 22PF	5% 50V
C720	1-162-953-11	CERAMIC CHIP 100PF	5% 50V	C834	1-128-360-11	ELECT CHIP 220uF	20% 10V
C721	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C835	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C722	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C837	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C723	1-126-392-11	ELECT CHIP 100uF	20% 6.3V	C843	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C729	1-128-360-11	ELECT CHIP 220uF	20% 10V	C844	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C731	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C856	1-115-156-11	CERAMIC CHIP 1uF	10V
C732	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	C857	1-162-945-11	CERAMIC CHIP 22PF	5% 50V
C733	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	C858	1-162-945-11	CERAMIC CHIP 22PF	5% 50V
C734	1-162-917-11	CERAMIC CHIP 15PF	5% 50V	C859	1-162-945-11	CERAMIC CHIP 22PF	5% 50V
C735	1-162-918-11	CERAMIC CHIP 18PF	5% 50V	C860	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C741	1-164-156-11	CERAMIC CHIP 0.1uF	25V			< CONNECTOR >	
C742	1-164-156-11	CERAMIC CHIP 0.1uF	25V	CN708	1-817-244-11	CONNECTOR, FFC 16P	
C743	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V	CN710	1-778-874-11	CONNECTOR, FFC (LIF (NON-ZIF)) 19P	
C744	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V			< FERRITE BEAD >	
C746	1-164-156-11	CERAMIC CHIP 0.1uF	25V	FB701	1-550-907-21	FERRITE 0uH	
C747	1-164-156-11	CERAMIC CHIP 0.1uF	25V	FB707	1-550-907-21	FERRITE 0uH	
C748	1-128-360-11	ELECT CHIP 220uF	20% 10V	FB708	1-550-907-21	FERRITE 0uH	
C753	1-162-949-11	CERAMIC CHIP 47PF	5% 50V	FB801	1-550-907-21	FERRITE 0uH	
C754	1-162-949-11	CERAMIC CHIP 47PF	5% 50V	FB802	1-550-907-21	FERRITE 0uH	
C756	1-162-949-11	CERAMIC CHIP 47PF	5% 50V	FB803	1-550-907-21	FERRITE 0uH	
C802	1-164-156-11	CERAMIC CHIP 0.1uF	25V	FB804	1-550-907-21	FERRITE 0uH	
				FB805	1-550-907-21	FERRITE 0uH	

BD

CD BUTTON

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
FB806	1-550-907-21	FERRITE	0uH			R805	1-216-809-11	METAL CHIP	100	5%	1/10W
FB807	1-550-907-21	FERRITE	0uH			R806	1-216-809-11	METAL CHIP	100	5%	1/10W
FB808	1-550-907-21	FERRITE	0uH			R807	1-216-809-11	METAL CHIP	100	5%	1/10W
< IC >						R817	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
IC721	6-701-796-01	IC LC78646E-E				R818	1-216-811-11	METAL CHIP	150	5%	1/10W
IC722	6-704-220-01	IC BA5836FP				R819	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC801	6-704-008-01	IC LC78684E-E				R820	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC802	6-704-009-01	IC LC32V4265CT-25-MPB-E				R823	1-216-809-11	METAL CHIP	100	5%	1/10W
IC803	6-704-007-01	IC MM1571J				R824	1-216-809-11	METAL CHIP	100	5%	1/10W
< TRANSISTOR >						R825	1-216-809-11	METAL CHIP	100	5%	1/10W
Q701	8-729-054-51	TRANSISTOR	UP04116008S0			R826	1-216-809-11	METAL CHIP	100	5%	1/10W
< RESISTOR >						R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W	R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R702	1-216-835-11	METAL CHIP	15K	5%	1/10W	R829	1-216-809-11	METAL CHIP	100	5%	1/10W
R703	1-216-835-11	METAL CHIP	15K	5%	1/10W	R832	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R704	1-216-835-11	METAL CHIP	15K	5%	1/10W	R833	1-216-809-11	METAL CHIP	100	5%	1/10W
R705	1-216-835-11	METAL CHIP	15K	5%	1/10W	R834	1-216-809-11	METAL CHIP	100	5%	1/10W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W	R860	1-216-809-11	METAL CHIP	100	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W	< SWITCH >					
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W	S701	1-771-853-11	SWITCH, DETECTION (LIMIT IN)			
R709	1-216-838-11	METAL CHIP	27K	5%	1/10W	< VIBRATOR >					
R711	1-216-815-11	METAL CHIP	330	5%	1/10W	X701	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)			
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W	*****					
R714	1-216-809-11	METAL CHIP	100	5%	1/10W	1-688-546-11	CD BUTTON BOARD				
R715	1-216-809-11	METAL CHIP	100	5%	1/10W	*****					
R716	1-216-809-11	METAL CHIP	100	5%	1/10W	< CONNECTOR >					
R717	1-216-809-11	METAL CHIP	100	5%	1/10W	CN302	1-568-850-11	CONNECTOR, FFC 7P			
R718	1-216-809-11	METAL CHIP	100	5%	1/10W	< LED >					
R719	1-216-809-11	METAL CHIP	100	5%	1/10W	LED301	8-719-063-93	LED SLR325VC-N-T32(DISC DIRECT PLAY 1)			
R720	1-216-809-11	METAL CHIP	100	5%	1/10W	LED302	8-719-063-93	LED SLR325VC-N-T32(DISC DIRECT PLAY 2)			
R721	1-216-809-11	METAL CHIP	100	5%	1/10W	LED303	8-719-063-93	LED SLR325VC-N-T32(DISC DIRECT PLAY 3)			
R722	1-216-821-11	METAL CHIP	1K	5%	1/10W	< RESISTOR >					
R725	1-216-819-11	METAL CHIP	680	5%	1/10W	R327	1-247-843-11	CARBON	3.3K	5%	1/4W
R726	1-216-819-11	METAL CHIP	680	5%	1/10W	R328	1-249-425-11	CARBON	4.7K	5%	1/4W
R727	1-216-809-11	METAL CHIP	100	5%	1/10W	R329	1-249-427-11	CARBON	6.8K	5%	1/4W
R728	1-216-841-11	METAL CHIP	47K	5%	1/10W	R330	1-249-429-11	CARBON	10K	5%	1/4W
R729	1-216-834-11	METAL CHIP	12K	5%	1/10W	R331	1-249-429-11	CARBON	10K	5%	1/4W
R730	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R332	1-249-417-11	CARBON	1K	5%	1/4W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R341	1-249-417-11	CARBON	1K	5%	1/4W
R732	1-216-864-11	SHORT CHIP	0			R342	1-249-417-11	CARBON	1K	5%	1/4W
R738	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	< SWITCH >					
R739	1-216-864-11	SHORT CHIP	0			S327	1-762-875-21	SWITCH, KEYBOARD			
R740	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	(DISC CHANGE/DISC SKIP)					
R741	1-216-864-11	SHORT CHIP	0			S328	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 1)			
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W	S329	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 2)			
R745	1-216-809-11	METAL CHIP	100	5%	1/10W	S330	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 3)			
R746	1-216-803-11	METAL CHIP	33	5%	1/10W	S331	1-762-875-21	SWITCH, KEYBOARD (▲ OPEN/CLOSE)			
R747	1-216-803-11	METAL CHIP	33	5%	1/10W	*****					
R760	1-216-809-11	METAL CHIP	100	5%	1/10W						
R765	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R801	1-216-809-11	METAL CHIP	100	5%	1/10W						
R802	1-216-809-11	METAL CHIP	100	5%	1/10W						
R803	1-216-809-11	METAL CHIP	100	5%	1/10W						
R804	1-216-809-11	METAL CHIP	100	5%	1/10W						

DRIVER

HEADPHONE

MAIN

Ref. No.	Part No.	Description	Remark		
	1-687-135-11	DRIVER BOARD	*****		
		< CAPACITOR >			
C715	1-126-933-11	ELECT	100uF	20%	16V
C731	1-126-964-11	ELECT	10uF	20%	50V
C735	1-164-159-21	CERAMIC	0.1uF		50V
C736	1-164-159-21	CERAMIC	0.1uF		50V
C737	1-164-159-21	CERAMIC	0.1uF		50V
C741	1-162-306-11	CERAMIC	0.01uF	30%	16V
C751	1-162-306-11	CERAMIC	0.01uF	30%	16V
C752	1-164-159-21	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN701	1-785-338-11	PIN, CONNECTOR (LIGHT ANGLE) 12P			
CN702	1-784-766-11	CONNECTOR, FFC 5P			
* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
		< DIODE >			
D701	8-719-921-42	DIODE MTZJ-5.1A			
D711	8-719-109-69	DIODE RD3.6ES-B2			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
IC712	8-759-598-69	IC BA6956AN			
		< TRANSISTOR >			
Q731	8-729-029-66	TRANSISTOR		DTC114ESA	
		< RESISTOR >			
R701	1-249-413-11	CARBON	470	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-425-11	CARBON	4.7K	5%	1/4W
R713	1-249-433-11	CARBON	22K	5%	1/4W
R721	1-249-425-11	CARBON	4.7K	5%	1/4W
R722	1-249-425-11	CARBON	4.7K	5%	1/4W
R723	1-249-425-11	CARBON	4.7K	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W
R735	1-247-807-31	CARBON	100	5%	1/4W
R751	1-249-425-11	CARBON	4.7K	5%	1/4W

	1-688-545-11	HEADPHONE BOARD	*****		
		< CAPACITOR >			
C301	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C302	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
		< JACK >			
J221	1-793-829-11	JACK, HEADPHONE (PHONES)			

Ref. No.	Part No.	Description	Remark			
	A-4734-192-A	MAIN BOARD, COMPLETE (AEP, UK)				
	A-4734-455-A	MAIN BOARD, COMPLETE (E51)				
	A-4734-803-A	MAIN BOARD, COMPLETE (CIS)				
	A-4734-957-A	MAIN BOARD, COMPLETE (E, SP, AUS)	*****			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S				
		< CAPACITOR >				
C101	1-126-963-11	ELECT	4.7uF	20%	50V	
C102	1-126-963-11	ELECT	4.7uF	20%	50V	
C103	1-126-933-11	ELECT	100uF	20%	16V	
C108	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AEP, UK, CIS)
C201	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C202	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C203	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C204	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C221	1-126-947-11	ELECT	47uF	20%	16V	
C223	1-130-973-00	MYLAR	0.022uF	5%	100V	
C225	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C226	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C232	1-126-947-11	ELECT	47uF	20%	16V	
C233	1-130-471-00	MYLAR	0.001uF	5%	50V	
C234	1-130-471-00	MYLAR	0.001uF	5%	50V	
C237	1-126-960-11	ELECT	1uF	20%	50V	
C239	1-130-485-00	MYLAR	0.015uF	5%	50V	
C240	1-126-964-11	ELECT	10uF	20%	50V	
C241	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C242	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C244	1-126-947-11	ELECT	47uF	20%	16V	
C247	1-126-961-11	ELECT	2.2uF	20%	50V	
C248	1-126-961-11	ELECT	2.2uF	20%	50V	
C249	1-126-961-11	ELECT	2.2uF	20%	50V	
C250	1-126-961-11	ELECT	2.2uF	20%	50V	
C253	1-126-933-11	ELECT	100uF	20%	16V	
C254	1-126-963-11	ELECT	4.7uF	20%	50V	
C258	1-126-963-11	ELECT	4.7uF	20%	50V	
C259	1-128-551-11	ELECT	22uF	20%	25V	
C260	1-126-959-11	ELECT	0.47uF	20%	50V	
C261	1-126-959-11	ELECT	0.47uF	20%	50V	
C266	1-130-483-00	MYLAR	0.01uF	5%	50V	
C267	1-130-483-00	MYLAR	0.01uF	5%	50V	
C268	1-126-960-11	ELECT	1uF	20%	50V	
C269	1-126-960-11	ELECT	1uF	20%	50V	
C272	1-126-960-11	ELECT	1uF	20%	50V	
C273	1-126-960-11	ELECT	1uF	20%	50V	
C285	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C286	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C300	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C301	1-126-964-11	ELECT	10uF	20%	50V	
C302	1-126-964-11	ELECT	10uF	20%	50V	
C303	1-104-665-11	ELECT	100uF	20%	10V	
C304	1-126-963-11	ELECT	4.7uF	20%	50V	
C309	1-126-964-11	ELECT	10uF	20%	50V	
C310	1-126-964-11	ELECT	10uF	20%	50V	
C311	1-126-964-11	ELECT	10uF	20%	50V	
C312	1-126-964-11	ELECT	10uF	20%	50V	
C313	1-107-714-11	ELECT	10uF	20%	16V	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C314	1-107-714-11	ELECT	10uF	20%	16V	C386	1-126-947-11	ELECT	47uF	20%	25V
C315	1-126-963-11	ELECT	4.7uF	20%	50V	C390	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C316	1-126-963-11	ELECT	4.7uF	20%	50V	C391	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C317	1-126-964-11	ELECT	10uF	20%	50V	C392	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C318	1-126-964-11	ELECT	10uF	20%	50V	C393	1-126-959-11	ELECT	0.47uF	20%	50V
C319	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C396	1-130-499-00	MYLAR	0.22uF	5%	50V
C320	1-130-487-00	MYLAR	0.022uF	5%	50V	C397	1-104-665-11	ELECT	100uF	20%	10V
C321	1-130-487-00	MYLAR	0.022uF	5%	50V	C398	1-126-964-11	ELECT	10uF	20%	50V
C323	1-130-487-00	MYLAR	0.022uF	5%	50V	C399	1-126-935-11	ELECT	470uF	20%	16V
C324	1-130-487-00	MYLAR	0.022uF	5%	50V	C400	1-128-551-11	ELECT	22uF	20%	25V
C325	1-130-491-00	MYLAR	0.047uF	5%	50V	C401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C326	1-130-491-00	MYLAR	0.047uF	5%	50V	C402	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C327	1-130-476-00	MYLAR	0.0027uF	5%	50V	C411	1-107-713-11	ELECT	4.7uF	20%	35V
C328	1-130-476-00	MYLAR	0.0027uF	5%	50V	C412	1-107-713-11	ELECT	4.7uF	20%	35V
C329	1-126-963-11	ELECT	4.7uF	20%	50V	C417	1-126-926-11	ELECT	1000uF	20%	50V
C330	1-126-963-11	ELECT	4.7uF	20%	50V	C418	1-130-483-00	MYLAR	0.01uF	5%	50V
C331	1-130-499-00	MYLAR	0.22uF	5%	50V	C419	1-130-483-00	MYLAR	0.01uF	5%	50V
C332	1-130-499-00	MYLAR	0.22uF	5%	50V	C420	1-126-943-11	ELECT	2200uF	20%	25V
C333	1-130-499-00	MYLAR	0.22uF	5%	50V	C421	1-126-934-11	ELECT	220uF	20%	16V
C334	1-130-499-00	MYLAR	0.22uF	5%	50V	C425	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C337	1-126-964-11	ELECT	10uF	20%	50V						(SUFFIX-13)
C339	1-126-934-11	ELECT	220uF	20%	16V	C428	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C340	1-126-947-11	ELECT	47uF	20%	16V						(AEP, UK, CIS)
C341	1-126-947-11	ELECT	47uF	20%	16V	C430	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C342	1-164-156-11	CERAMIC CHIP	0.1uF		25V						(AEP, UK, CIS)
C345	1-126-933-11	ELECT	100uF	20%	16V	C431	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C351	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V						(AEP, UK)
C352	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C432	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C353	1-162-962-11	CERAMIC CHIP	470PF	10%	50V						(AEP, UK)
C354	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C433	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C355	1-162-962-11	CERAMIC CHIP	470PF	10%	50V						(AEP, UK)
C356	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C434	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C357	1-126-926-11	ELECT	1000uF	20%	10V						(AEP, UK)
C358	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	C435	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
					(SUFFIX-13)						(AEP, UK)
C361	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C436	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C362	1-162-960-11	CERAMIC CHIP	220PF	10%	50V						(AEP, UK)
C363	1-126-964-11	ELECT	10uF	20%	50V	C437	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C364	1-126-964-11	ELECT	10uF	20%	50V						(AEP, UK)
C365	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C438	1-164-816-11	CERAMIC CHIP	220PF	2%	50V
C366	1-162-960-11	CERAMIC CHIP	220PF	10%	50V						(AEP, UK)
C367	1-130-499-00	MYLAR	0.22uF	5%	50V	C439	1-107-721-11	ELECT	4.7uF	20%	100V
C369	1-126-964-11	ELECT	10uF	20%	50V	C440	1-107-721-11	ELECT	4.7uF	20%	100V
C370	1-126-964-11	ELECT	10uF	20%	50V	C442	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C371	1-126-947-11	ELECT	47uF	20%	16V						(AEP, UK, CIS)
C372	1-126-964-11	ELECT	10uF	20%	50V	C447	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C373	1-130-483-00	MYLAR	0.01uF	5%	50V						(SUFFIX-13)
C374	1-130-483-00	MYLAR	0.01uF	5%	50V	C448	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C375	1-126-943-11	ELECT	2200uF	20%	25V						(SUFFIX-13)
C377	1-126-963-11	ELECT	4.7uF	20%	50V	C450	1-126-964-11	ELECT	10uF	20%	50V
C379	1-126-947-11	ELECT	47uF	20%	25V	C491	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C380	1-126-935-11	ELECT	470uF	20%	16V	C492	1-126-960-11	ELECT	1uF	20%	50V
C381	1-126-947-11	ELECT	47uF	20%	16V						< CONNECTOR >
C382	1-130-477-00	MYLAR	0.0033uF	5%	50V	CN101	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK)			
C383	1-130-477-00	MYLAR	0.0033uF	5%	50V	CN101	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK)			
C384	1-136-159-00	FILM	0.033uF	5%	50V	* CN202	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
C385	1-136-159-00	FILM	0.033uF	5%	50V	* CN203	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
					CN303	1-564-506-11	PLUG, CONNECTOR 3P				
					CN304	1-784-792-11	CONNECTOR, FFC 31P				

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CN306	1-778-982-21	CONNECTOR, BOARD TO BOARD 13P		JR302	1-216-864-11	SHORT CHIP	0 (SUFFIX-11)
CN307	1-778-982-21	CONNECTOR, BOARD TO BOARD 13P		JR303	1-216-864-11	SHORT CHIP	0
CN310	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P		JR304	1-216-864-11	SHORT CHIP	0
CN311	1-568-828-11	CONNECTOR, FFC 9P					
CN312	1-784-780-11	CONNECTOR, FFC 19P		JR305	1-216-864-11	SHORT CHIP	0
		< DIODE/SHORT >		JR306	1-216-864-11	SHORT CHIP	0
D101	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK)		JR307	1-216-864-11	SHORT CHIP	0
D102	6-500-522-21	DIODE 10EDB40-TB3		JR308	1-216-864-11	SHORT CHIP	0
D205	8-719-988-61	DIODE 1SS355TE-17		JR309	1-216-864-11	SHORT CHIP	0
D206	8-719-988-61	DIODE 1SS355TE-17					
D301	6-500-522-21	DIODE 10EDB40-TB3		JR310	1-216-864-11	SHORT CHIP	0
				JR311	1-216-864-11	SHORT CHIP	0
D302	6-500-522-21	DIODE 10EDB40-TB3		JR312	1-216-864-11	SHORT CHIP	0
D303	6-500-522-21	DIODE 10EDB40-TB3		JR313	1-216-864-11	SHORT CHIP	0
D304	6-500-522-21	DIODE 10EDB40-TB3		JR314	1-216-864-11	SHORT CHIP	0 (E, E51, SP, AUS)
D305	8-719-988-61	DIODE 1SS355TE-17					(SUFFIX-13)
D306	8-719-988-61	DIODE 1SS355TE-17		JR316	1-216-864-11	SHORT CHIP	0
				JR317	1-216-864-11	SHORT CHIP	0
D307	8-719-988-61	DIODE 1SS355TE-17		JR321	1-216-864-11	SHORT CHIP	0
D308	1-216-295-00	SHORT CHIP 0		JR322	1-216-864-11	SHORT CHIP	0
D311	8-719-988-61	DIODE 1SS355TE-17		JR325	1-216-864-11	SHORT CHIP	0
D312	8-719-083-63	DIODE UDZSTE-1713B					
D313	6-500-522-21	DIODE 10EDB40-TB3		JR326	1-216-864-11	SHORT CHIP	0
				JR328	1-216-864-11	SHORT CHIP	0
D314	6-500-522-21	DIODE 10EDB40-TB3		JR333	1-216-864-11	SHORT CHIP	0
D315	6-500-522-21	DIODE 10EDB40-TB3		JR334	1-216-864-11	SHORT CHIP	0 (E, E51, SP, AUS)
D316	6-500-522-21	DIODE 10EDB40-TB3		JR336	1-216-864-11	SHORT CHIP	0
D317	8-719-988-61	DIODE 1SS355TE-17					
D319	6-500-522-21	DIODE 10EDB40-TB3		JR337	1-216-864-11	SHORT CHIP	0
				JR339	1-216-864-11	SHORT CHIP	0
D320	6-500-522-21	DIODE 10EDB40-TB3		JR341	1-216-864-11	SHORT CHIP	0
D321	6-500-522-21	DIODE 10EDB40-TB3		JR343	1-216-864-11	SHORT CHIP	0 (SUFFIX-13)
D322	6-500-522-21	DIODE 10EDB40-TB3					
D324	8-719-988-61	DIODE 1SS355TE-17 (SUFFIX-13)					
D364	8-719-988-61	DIODE 1SS355TE-17					
D371	8-719-988-61	DIODE 1SS355TE-17					
D372	8-719-988-61	DIODE 1SS355TE-17					
D374	8-719-988-61	DIODE 1SS355TE-17					
		< GROUND TERMINAL >					
* GA1	1-537-738-21	TERMINAL, EARTH					
		< IC >					
IC201	6-702-130-01	IC HA12237F					
IC301	6-703-650-11	IC M61529FP-D60G					
IC303	6-704-074-01	IC NJM2156M (TE2)					
IC304	8-759-710-97	IC NJM4565M-D					
IC305	8-759-701-59	IC NJM78M09FA					
IC306	6-701-760-01	IC uPC3504AHF					
IC308	8-759-701-59	IC NJM78M09FA					
IC309	6-704-046-01	IC BU2099FV					
IC310	6-704-046-01	IC BU2099FV					
IC313	8-759-231-57	IC TA7810S					
		< JACK >					
JK302	1-793-987-11	JACK, PIN 2P (MD (VIDEO) IN)					
		< SHORT >					
JR124	1-216-864-11	SHORT CHIP	0 (AEP, UK, CIS)				
JR300	1-216-864-11	SHORT CHIP	0				

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q330	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R315	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q331	6-550-289-01	TRANSISTOR	2SA1235F			R316	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q372	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R317	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q373	8-729-142-46	TRANSISTOR	2SC2001-LK			R318	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q491	8-729-120-28	TRANSISTOR	2SC1623-L5L6			R319	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q492	8-729-045-62	FET	2SK2158-T2B			R320	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< RESISTOR >				R321	1-216-835-11	METAL CHIP	15K	5%	1/10W
R101	1-216-833-11	METAL CHIP	10K	5%	1/10W	R322	1-216-835-11	METAL CHIP	15K	5%	1/10W
R102	1-216-833-11	METAL CHIP	10K	5%	1/10W	R323	1-216-821-11	METAL CHIP	1K	5%	1/10W
R215	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R324	1-216-821-11	METAL CHIP	1K	5%	1/10W
R216	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R325	1-216-833-11	METAL CHIP	10K	5%	1/10W
R225	1-216-833-11	METAL CHIP	10K	5%	1/10W	R326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R220	1-216-833-11	METAL CHIP	10K	5%	1/10W	R327	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (E, E51, SP, AUS)
R226	1-216-833-11	METAL CHIP	10K	5%	1/10W	R328	1-216-839-11	METAL CHIP	33K	5%	1/10W
R231	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R329	1-216-295-00	SHORT CHIP	0 (SUFFIX-13)		
R232	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R233	1-216-837-11	METAL CHIP	22K	5%	1/10W	R331	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (AEP, UK, CIS)
R234	1-216-837-11	METAL CHIP	22K	5%	1/10W	R331	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (E, E51, SP, AUS)
R235	1-216-833-11	METAL CHIP	10K	5%	1/10W	R332	1-216-841-11	METAL CHIP	47K	5%	1/10W
R241	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R242	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R334	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R245	1-216-833-11	METAL CHIP	10K	5%	1/10W	R335	1-216-842-11	METAL CHIP	56K	5%	1/10W
R246	1-216-841-11	METAL CHIP	47K	5%	1/10W	R336	1-216-836-11	METAL CHIP	18K	5%	1/10W (AEP, UK, CIS)
R251	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R336	1-216-838-11	METAL CHIP	27K	5%	1/10W (E, E51, SP, AUS)
R252	1-216-837-11	METAL CHIP	22K	5%	1/10W	R337	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W	R338	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R260	1-216-813-11	METAL CHIP	220	5%	1/10W	R339	1-216-821-11	METAL CHIP	1K	5%	1/10W
R265	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R340	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (E, E51, SP, AUS)
R266	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R340	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, CIS)
R267	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R341	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-13)
R268	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R346	1-216-837-11	METAL CHIP	22K	5%	1/10W
R269	1-216-833-11	METAL CHIP	10K	5%	1/10W	R347	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R270	1-216-833-11	METAL CHIP	10K	5%	1/10W	R348	1-216-864-11	SHORT CHIP	0		
R271	1-216-833-11	METAL CHIP	10K	5%	1/10W	R352	1-218-717-11	METAL CHIP	11K	5%	1/10W
R272	1-216-833-11	METAL CHIP	10K	5%	1/10W	R353	1-218-717-11	METAL CHIP	11K	5%	1/10W
R273	1-216-833-11	METAL CHIP	10K	5%	1/10W	R354	1-216-841-11	METAL CHIP	47K	5%	1/10W
R278	1-216-837-11	METAL CHIP	22K	5%	1/10W	R355	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R282	1-216-809-11	METAL CHIP	100	5%	1/10W	R356	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R283	1-216-833-11	METAL CHIP	10K	5%	1/10W	R358	1-216-837-11	METAL CHIP	22K	5%	1/10W
R284	1-216-833-11	METAL CHIP	10K	5%	1/10W	R359	1-216-853-11	METAL CHIP	470K	5%	1/10W
R285	1-216-833-11	METAL CHIP	10K	5%	1/10W	R361	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R286	1-216-833-11	METAL CHIP	10K	5%	1/10W	R362	1-216-837-11	METAL CHIP	22K	5%	1/10W
R287	1-216-833-11	METAL CHIP	10K	5%	1/10W	R363	1-216-837-11	METAL CHIP	22K	5%	1/10W
R288	1-216-833-11	METAL CHIP	10K	5%	1/10W	R364	1-216-845-11	METAL CHIP	100K	5%	1/10W
R299	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-13)	R365	1-216-857-11	METAL CHIP	1M	5%	1/10W
R300	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R366	1-216-814-11	METAL CHIP	270	5%	1/10W
R301	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R367	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R368	1-216-809-11	METAL CHIP	100	5%	1/10W
R303	1-216-837-11	METAL CHIP	22K	5%	1/10W	R370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R304	1-216-837-11	METAL CHIP	22K	5%	1/10W	R371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R307	1-216-809-11	METAL CHIP	100	5%	1/10W	R372	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R309	1-216-864-11	SHORT CHIP	0								
R310	1-216-864-11	SHORT CHIP	0								
R313	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R314	1-216-845-11	METAL CHIP	100K	5%	1/10W						

MAIN						MICROPHONE						MOTOR (LD)						MOTOR (TB)					
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R375	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (E, E51, SP, AUS)	R432	1-216-809-11	METAL CHIP	100	5%	1/10W	△ R433	1-215-891-11	METAL OXIDE	680	5%	2W F	R432	1-216-809-11	METAL CHIP	100	5%	1/10W
R375	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, CIS)	△ R434	1-215-891-11	METAL OXIDE	680	5%	2W F	R455	1-218-717-11	METAL CHIP	11K	5%	1/10W	R434	1-216-809-11	METAL CHIP	100	5%	1/10W
R378	1-216-833-11	METAL CHIP	10K	5%	1/10W	R460	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R461	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R455	1-218-717-11	METAL CHIP	11K	5%	1/10W
R379	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R466	1-216-837-11	METAL CHIP	22K	5%	1/10W	R467	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R460	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R380	1-216-853-11	METAL CHIP	470K	5%	1/10W	R468	1-216-844-11	METAL CHIP	82K	5%	1/10W	R470	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R461	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R384	1-216-821-11	METAL CHIP	1K	5%	1/10W	R478	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (E, E51, SP, AUS)	R479	1-216-841-11	METAL CHIP	47K	5%	1/10W	R466	1-216-837-11	METAL CHIP	22K	5%	1/10W
R386	1-216-833-11	METAL CHIP	10K	5%	1/10W	R480	1-216-833-11	METAL CHIP	10K	5%	1/10W	R481	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R467	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R387	1-216-834-11	METAL CHIP	12K	5%	1/10W	R482	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R483	1-216-821-11	METAL CHIP	1K	5%	1/10W	R468	1-216-844-11	METAL CHIP	82K	5%	1/10W
R388	1-216-821-11	METAL CHIP	1K	5%	1/10W	R484	1-216-833-11	METAL CHIP	10K	5%	1/10W	R485	1-216-809-11	METAL CHIP	100	5%	1/10W	R470	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R390	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-13)	R486	1-216-809-11	METAL CHIP	100	5%	1/10W	R487	1-216-296-11	SHORT CHIP	0			R478	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (E, E51, SP, AUS)
R391	1-216-841-11	METAL CHIP	47K	5%	1/10W	R488	1-216-296-11	SHORT CHIP	0			R491	1-216-849-11	METAL CHIP	220K	5%	1/10W	R479	1-216-841-11	METAL CHIP	47K	5%	1/10W
R392	1-216-813-11	METAL CHIP	220	5%	1/10W	R492	1-216-849-11	METAL CHIP	220K	5%	1/10W	R493	1-216-845-11	METAL CHIP	100K	5%	1/10W	R480	1-216-833-11	METAL CHIP	10K	5%	1/10W
R393	1-216-833-11	METAL CHIP	10K	5%	1/10W	R494	1-216-849-11	METAL CHIP	220K	5%	1/10W	R495	1-216-837-11	METAL CHIP	22K	5%	1/10W	R481	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R394	1-216-001-00	RES-CHIP	10	5%	1/10W	R498	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-13)	R499	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-13)	R482	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R395	1-216-825-11	METAL CHIP	2.2K	5%	1/10W													R483	1-216-821-11	METAL CHIP	1K	5%	1/10W
R396	1-216-825-11	METAL CHIP	2.2K	5%	1/10W													R484	1-216-833-11	METAL CHIP	10K	5%	1/10W
R397	1-216-821-11	METAL CHIP	1K	5%	1/10W													R485	1-216-809-11	METAL CHIP	100	5%	1/10W
R398	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (E, E51, SP, AUS)													R486	1-216-809-11	METAL CHIP	100	5%	1/10W
R398	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, CIS)													R487	1-216-296-11	SHORT CHIP	0		
R399	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (E, E51, SP, AUS)													R488	1-216-296-11	SHORT CHIP	0		
R399	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, CIS)													R491	1-216-849-11	METAL CHIP	220K	5%	1/10W
R400	1-216-833-11	METAL CHIP	10K	5%	1/10W													R492	1-216-849-11	METAL CHIP	220K	5%	1/10W
R401	1-216-833-11	METAL CHIP	10K	5%	1/10W													R493	1-216-845-11	METAL CHIP	100K	5%	1/10W
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W													R494	1-216-849-11	METAL CHIP	220K	5%	1/10W
R403	1-216-820-11	METAL CHIP	820	5%	1/10W (E, E51, SP, AUS)													R495	1-216-837-11	METAL CHIP	22K	5%	1/10W
R403	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (AEP, UK, CIS)													R498	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-13)
R404	1-216-833-11	METAL CHIP	10K	5%	1/10W													R499	1-216-833-11	METAL CHIP	10K	5%	1/10W (SUFFIX-13)
R405	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R406	1-216-837-11	METAL CHIP	22K	5%	1/10W																		
R407	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R409	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R410	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R412	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R413	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R414	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R415	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R416	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R417	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R418	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R419	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R420	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R421	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R424	1-216-837-11	METAL CHIP	22K	5%	1/10W																		
R425	1-216-837-11	METAL CHIP	22K	5%	1/10W																		
R426	1-216-837-11	METAL CHIP	22K	5%	1/10W																		
R427	1-216-296-11	SHORT CHIP	0																				
R428	1-216-296-11	SHORT CHIP	0																				
R430	1-216-833-11	METAL CHIP	10K	5%	1/10W																		
R431	1-216-847-11	METAL CHIP	150K	5%	1/10W																		

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

PANEL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
	A-4734-174-A	PANEL BOARD, COMPLETE (AEP, UK)				C504	1-126-964-11	ELECT	10uF	20%	50V
	A-4734-290-A	PANEL BOARD, COMPLETE (E51)				C505	1-126-916-11	ELECT	1000uF	20%	6.3V
	A-4734-798-A	PANEL BOARD, COMPLETE (CIS)				C506	1-164-156-11	CERAMIC CHIP	0.1uF		25V
	A-4734-949-A	PANEL BOARD, COMPLETE (E, SP, AUS)				C507	1-164-156-11	CERAMIC CHIP	0.1uF		25V
	*****					C508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
	4-245-133-01	GUIDE, FL				C509	1-124-248-00	ELECT	22uF	20%	35V
	< CAPACITOR >					C510	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C511	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C201	1-126-960-11	ELECT	1uF	20%	50V	C801	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C202	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C203	1-126-965-11	ELECT	22uF	20%	50V	C802	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C204	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V	C803	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C205	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C805	1-128-821-11	CERAMIC	1000PF	5%	50V
C207	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V	C806	1-128-821-11	CERAMIC	1000PF	5%	50V
C208	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V						
C210	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C807	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C211	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C808	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C214	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C809	1-124-589-11	ELECT	47uF	20%	16V
						C902	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C215	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C903	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C216	1-162-919-11	CERAMIC CHIP	22PF	5%	50V						
C217	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C904	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C218	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C905	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C219	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C906	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
						C907	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C221	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C908	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C401	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
			(E, E51, SP, AUS)			C909	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C402	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C910	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
			(E, E51, SP, AUS)			C911	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C403	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C914	1-119-772-11	ELECT	47uF	20%	35V
			(E, E51, SP, AUS)			C915	1-127-880-11	CERAMIC	0.022uF	10%	50V
C404	1-126-961-11	ELECT	2.2uF	20%	50V						
			(E, E51, SP, AUS)			C916	1-126-963-11	ELECT	4.7uF	20%	50V
C405	1-126-964-11	ELECT	10uF	20%	50V	C917	1-126-963-11	ELECT	4.7uF	20%	50V
			(E, E51, SP, AUS)			C918	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C406	1-126-934-11	ELECT	220uF	20%	10V	C919	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
			(E, E51, SP, AUS)			C920	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C407	1-162-926-11	CERAMIC CHIP	82PF	5%	50V	C921	1-164-156-11	CERAMIC CHIP	0.1uF		25V
			(E, E51, SP, AUS)			C922	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C408	1-126-956-11	ELECT	0.1uF	20%	50V	C923	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
			(E, E51, SP, AUS)			C926	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C409	1-126-964-11	ELECT	10uF	20%	50V	C927	1-164-156-11	CERAMIC CHIP	0.1uF		25V
			(E, E51, SP, AUS)								
C410	1-126-965-11	ELECT	22uF	20%	50V	C931	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
			(E, E51, SP, AUS)			C932	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C411	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	C933	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
			(E, E51, SP, AUS)			< CONNECTOR >					
C412	1-126-960-11	ELECT	1uF	20%	50V	CN101	1-784-792-11	CONNECTOR, FFC 31P			
			(E, E51, SP, AUS)			CN301	1-568-826-11	CONNECTOR, FFC 7P			
C413	1-126-960-11	ELECT	1uF	20%	50V	* CN401	1-695-326-31	PIN, CONNECTOR (PC BOARD) 3P			
			(E, E51, SP, AUS)			(E, E51, SP, AUS)					
C414	1-164-156-11	CERAMIC CHIP	0.1uF		25V	CN601	1-784-774-11	CONNECTOR, FFC 13P			
			(E, E51, SP, AUS)			CN701	1-568-828-11	CONNECTOR, FFC 9P			
C415	1-164-156-11	CERAMIC CHIP	0.1uF		25V	< DIODE >					
			(E, E51, SP, AUS)			D101	8-719-991-33	DIODE 1SS133T-77			
C434	1-126-957-11	ELECT	0.22uF	20%	50V	D201	8-719-991-33	DIODE 1SS133T-77			
			(E, E51, SP, AUS)			D401	8-719-991-33	DIODE 1SS133T-77 (E, E51, SP, AUS)			
C441	1-164-156-11	CERAMIC CHIP	0.1uF		25V	D402	8-719-991-33	DIODE 1SS133T-77 (E, E51, SP, AUS)			
			(E, E51, SP, AUS)			D501	8-719-991-33	DIODE 1SS133T-77			
C501	1-107-682-11	CERAMIC CHIP	1uF	10%	16V						
C502	1-107-682-11	CERAMIC CHIP	1uF	10%	16V						

PANEL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D502	8-719-991-33	DIODE 1SS133T-77		JR401	1-216-864-11	SHORT CHIP 0	
D503	8-719-991-33	DIODE 1SS133T-77		JR403	1-216-296-11	SHORT CHIP 0 (E, E51, SP, AUS)	
D504	8-719-991-33	DIODE 1SS133T-77		JR601	1-216-864-11	SHORT CHIP 0	
D505	8-719-991-33	DIODE 1SS133T-77		JR602	1-216-864-11	SHORT CHIP 0	
D506	8-719-991-33	DIODE 1SS133T-77		JR603	1-216-864-11	SHORT CHIP 0	
				JR604	1-216-864-11	SHORT CHIP 0	
D510	8-719-991-33	DIODE 1SS133T-77					
D511	8-719-991-33	DIODE 1SS133T-77		JR605	1-216-864-11	SHORT CHIP 0	
D601	8-719-991-33	DIODE 1SS133T-77		JR606	1-216-864-11	SHORT CHIP 0	
D602	8-719-991-33	DIODE 1SS133T-77		JR607	1-216-864-11	SHORT CHIP 0	
D603	8-719-820-05	DIODE 1SS181		JR608	1-216-296-11	SHORT CHIP 0	
				JR609	1-216-864-11	SHORT CHIP 0	
D604	8-719-820-05	DIODE 1SS181					
D605	8-719-820-05	DIODE 1SS181		JR802	1-216-864-11	SHORT CHIP 0	
D606	8-719-820-05	DIODE 1SS181		JR810	1-216-864-11	SHORT CHIP 0	
D607	8-719-820-05	DIODE 1SS181		JR901	1-216-864-11	SHORT CHIP 0	
D608	8-719-820-05	DIODE 1SS181		JR902	1-216-864-11	SHORT CHIP 0	
				JR903	1-216-864-11	SHORT CHIP 0	
D609	8-719-820-05	DIODE 1SS181					
D610	8-719-820-05	DIODE 1SS181		JR904	1-216-296-11	SHORT CHIP 0	
D611	8-719-991-33	DIODE 1SS133T-77 (CIS, E, SP, AUS)		JR905	1-216-864-11	SHORT CHIP 0	
D613	8-719-991-33	DIODE 1SS133T-77 (CIS, E51)		JR906	1-216-864-11	SHORT CHIP 0	
D614	8-719-991-33	DIODE 1SS133T-77 (AEP, UK, CIS)		JR907	1-216-296-11	SHORT CHIP 0	
				JR908	1-216-864-11	SHORT CHIP 0	
D615	8-719-991-33	DIODE 1SS133T-77 (AEP, UK)					
		< FERRITE BEAD >		JR910	1-216-864-11	SHORT CHIP 0	
FB401	1-410-396-41	FERRITE 0.45uH(E, E51, SP, AUS)		JR912	1-216-864-11	SHORT CHIP 0	
		< FLUORESCENT INDICATOR TUBE >		JR913	1-216-296-11	SHORT CHIP 0	
FL901	1-518-896-11	INDICATOR TUBE, FLUORESCENT				< LED >	
		< IC >		LED201	8-719-063-93	LED SLR325VC-N-T32 (CD)	
IC201	6-704-046-01	IC BU2099FV		LED202	8-719-063-93	LED SLR325VC-N-T32 (TUNER BAND)	
IC202	6-704-046-01	IC BU2099FV		LED203	8-719-063-93	LED SLR325VC-N-T32 (MD (VIDEO))	
IC401	8-759-710-97	IC NJM4565M (TE2) (E, E51, SP, AUS)		LED204	8-719-063-93	LED SLR325VC-N-T32 (TAPE A/B)	
IC501	6-704-135-01	IC MM1614A		LED205	8-719-063-93	LED SLR325VC-N-T32 (HAVEY)	
IC502	8-759-533-04	IC M62703ML-E1					
				LED206	8-719-063-93	LED SLR325VC-N-T32 (VOCAL)	
IC802	6-600-217-01	IC RPM7238-H4		LED207	8-719-063-93	LED SLR325VC-N-T32 (SALSA)	
IC901	6-803-011-01	IC LC876796B-51F6		LED208	8-719-063-93	LED SLR325VC-N-T32 (TECHNO)	
		< SHORT >		LED209	8-719-063-93	LED SLR325VC-N-T32 (HIP POP)	
				LED210	8-719-063-93	LED SLR325VC-N-T32 (MANUAL)	
JR101	1-216-296-11	SHORT CHIP 0		LED213	8-719-063-93	LED SLR325VC-N-T32 (i-BASS)	
JR107	1-216-296-11	SHORT CHIP 0		LED901	6-500-641-01	LED SLI-325URC (POWER ⏻ STANDBY/ON)	
JR108	1-216-296-11	SHORT CHIP 0				< TRANSISTOR >	
JR202	1-216-864-11	SHORT CHIP 0		Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
JR203	1-216-864-11	SHORT CHIP 0		Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				Q204	8-729-027-46	TRANSISTOR DTC114YKA-T146	
JR204	1-216-864-11	SHORT CHIP 0		Q205	8-729-027-46	TRANSISTOR DTC114YKA-T146	
JR205	1-216-296-11	SHORT CHIP 0		Q206	8-729-027-46	TRANSISTOR DTC114YKA-T146	
JR206	1-216-296-11	SHORT CHIP 0					
JR208	1-216-296-11	SHORT CHIP 0		Q401	8-729-045-62	FET 2SK2158-T2B	
JR209	1-216-296-11	SHORT CHIP 0				(E, E51, SP, AUS)	
				Q504	8-752-027-31	TRANSISTOR DTA124EKA-T146	
JR210	1-216-296-11	SHORT CHIP 0		Q505	8-752-027-59	TRANSISTOR DTC144EKA-T146	
JR211	1-216-296-11	SHORT CHIP 0		Q601	8-729-116-57	TRANSISTOR 2SB1068-K	
JR213	1-216-296-11	SHORT CHIP 0		Q602	8-729-140-04	TRANSISTOR 2SB1116A-L	
JR215	1-216-296-11	SHORT CHIP 0					
JR217	1-216-296-11	SHORT CHIP 0		Q603	8-729-140-04	TRANSISTOR 2SB1116A-L	
				Q901	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
JR218	1-216-296-11	SHORT CHIP 0		Q921	8-729-027-23	TRANSISTOR DTA114EKA-T146	
JR219	1-216-296-11	SHORT CHIP 0				< RESISTOR >	
JR220	1-216-296-11	SHORT CHIP 0					
JR221	1-216-864-11	SHORT CHIP 0		R102	1-247-807-31	CARBON 100 5% 1/4W	

PANEL

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R104	1-216-821-11	METAL CHIP	1K	5%	1/10W		R247	1-249-429-11	CARBON	10K	5%	1/4W	
R105	1-249-417-11	CARBON	1K	5%	1/4W		R248	1-249-433-11	CARBON	22K	5%	1/4W	
R106	1-249-417-11	CARBON	1K	5%	1/4W		R249	1-249-433-11	CARBON	22K	5%	1/4W	
R107	1-249-417-11	CARBON	1K	5%	1/4W								
R108	1-216-821-11	METAL CHIP	1K	5%	1/10W		R250	1-249-433-11	CARBON	22K	5%	1/4W	
R109	1-216-821-11	METAL CHIP	1K	5%	1/10W		R252	1-247-807-31	CARBON	100	5%	1/4W	
R110	1-216-821-11	METAL CHIP	1K	5%	1/10W		R301	1-249-413-11	CARBON	470	5%	1/4W	
R111	1-249-417-11	CARBON	1K	5%	1/4W		R302	1-249-415-11	CARBON	680	5%	1/4W	
R112	1-249-417-11	CARBON	1K	5%	1/4W		R303	1-249-417-11	CARBON	1K	5%	1/4W	
R113	1-249-417-11	CARBON	1K	5%	1/4W		R304	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R114	1-249-417-11	CARBON	1K	5%	1/4W	(AEP, UK)	R305	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
							R306	1-249-421-11	CARBON	2.2K	5%	1/4W	
R115	1-249-417-11	CARBON	1K	5%	1/4W	(AEP, UK)	R307	1-247-843-11	CARBON	3.3K	5%	1/4W	
							R308	1-249-425-11	CARBON	4.7K	5%	1/4W	
R116	1-249-393-11	CARBON	10	5%	1/4W		R309	1-249-427-11	CARBON	6.8K	5%	1/4W	
R119	1-216-864-11	SHORT CHIP	0				R311	1-249-413-11	CARBON	470	5%	1/4W	
							R312	1-249-415-11	CARBON	680	5%	1/4W	
R120	1-216-845-11	METAL CHIP	100K	5%	1/10W		R313	1-249-417-11	CARBON	1K	5%	1/4W	
R121	1-216-849-11	METAL CHIP	220K	5%	1/10W		R314	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R122	1-216-837-11	METAL CHIP	22K	5%	1/10W								
R125	1-249-433-11	CARBON	22K	5%	1/4W		R315	1-216-202-00	RES-CHIP	1.5K	5%	1/8W	
R126	1-249-433-11	CARBON	22K	5%	1/4W		R316	1-249-421-11	CARBON	2.2K	5%	1/4W	
							R317	1-247-843-11	CARBON	3.3K	5%	1/4W	
R201	1-216-823-11	METAL CHIP	1.5K	5%	1/10W		R318	1-249-425-11	CARBON	4.7K	5%	1/4W	
R202	1-216-809-11	METAL CHIP	100	5%	1/10W		R319	1-249-427-11	CARBON	6.8K	5%	1/4W	
R203	1-216-849-11	METAL CHIP	220K	5%	1/10W								
R204	1-216-840-11	METAL CHIP	39K	5%	1/10W		R320	1-249-429-11	CARBON	10K	5%	1/4W	
R205	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R321	1-249-413-11	CARBON	470	5%	1/4W	
							R322	1-249-415-11	CARBON	680	5%	1/4W	
R206	1-216-864-11	SHORT CHIP	0				R323	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R208	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R324	1-249-419-11	CARBON	1.5K	5%	1/4W	
R210	1-216-809-11	METAL CHIP	100	5%	1/10W								
R211	1-216-833-11	METAL CHIP	10K	5%	1/10W		R325	1-249-419-11	CARBON	1.5K	5%	1/4W	
R212	1-216-851-11	METAL CHIP	330K	5%	1/10W		R326	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
							R351	1-249-431-11	CARBON	15K	5%	1/4W	
R213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R352	1-249-431-11	CARBON	15K	5%	1/4W	
R214	1-216-849-11	METAL CHIP	220K	5%	1/10W		R353	1-249-431-11	CARBON	15K	5%	1/4W	
R215	1-216-809-11	METAL CHIP	100	5%	1/10W								
R216	1-216-851-11	METAL CHIP	330K	5%	1/10W		R401	1-216-845-11	METAL CHIP	100K	5%	1/10W	(E, E51, SP, AUS)
R217	1-216-849-11	METAL CHIP	220K	5%	1/10W		R402	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	(E, E51, SP, AUS)
R218	1-216-809-11	METAL CHIP	100	5%	1/10W		R403	1-216-849-11	METAL CHIP	220K	5%	1/10W	(E, E51, SP, AUS)
R219	1-216-833-11	METAL CHIP	10K	5%	1/10W								
R220	1-216-849-11	METAL CHIP	220K	5%	1/10W		R404	1-216-809-11	METAL CHIP	100	5%	1/10W	(E, E51, SP, AUS)
R221	1-216-841-11	METAL CHIP	47K	5%	1/10W		R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(E, E51, SP, AUS)
R222	1-216-849-11	METAL CHIP	220K	5%	1/10W								
R223	1-216-809-11	METAL CHIP	100	5%	1/10W		R406	1-216-850-11	METAL CHIP	270K	5%	1/10W	(E, E51, SP, AUS)
R226	1-249-429-11	CARBON	10K	5%	1/4W		R407	1-216-821-11	METAL CHIP	1K	5%	1/10W	(E, E51, SP, AUS)
R227	1-216-222-00	RES-CHIP	10K	5%	1/8W		R408	1-247-807-31	CARBON	100	5%	1/4W	(E, E51, SP, AUS)
R228	1-249-429-11	CARBON	10K	5%	1/4W		R409	1-249-413-11	CARBON	470	5%	1/4W	(E, E51, SP, AUS)
R231	1-249-417-11	CARBON	1K	5%	1/4W		R410	1-216-833-11	METAL CHIP	10K	5%	1/10W	(E, E51, SP, AUS)
R232	1-249-417-11	CARBON	1K	5%	1/4W								
R233	1-216-198-00	RES-CHIP	1K	5%	1/8W		R411	1-216-834-11	METAL CHIP	12K	5%	1/10W	(E, E51, SP, AUS)
R234	1-249-417-11	CARBON	1K	5%	1/4W		R412	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	(E, E51, SP, AUS)
R235	1-249-417-11	CARBON	1K	5%	1/4W		R413	1-216-840-11	METAL CHIP	39K	5%	1/10W	(E, E51, SP, AUS)
R236	1-216-196-00	RES-CHIP	820	5%	1/8W								
R237	1-216-196-00	RES-CHIP	820	5%	1/8W								
R238	1-249-417-11	CARBON	1K	5%	1/4W								
R239	1-216-196-00	RES-CHIP	820	5%	1/8W								
R240	1-249-416-11	CARBON	820	5%	1/4W								
R243	1-216-198-00	RES-CHIP	1K	5%	1/8W								
R245	1-249-429-11	CARBON	10K	5%	1/4W								
R246	1-216-222-00	RES-CHIP	10K	5%	1/8W								

PANEL

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
R414	1-216-797-11	METAL CHIP	10	5% 1/10W (E, E51, SP, AUS)	R808	1-216-797-11	METAL CHIP	10	5% 1/10W
R415	1-247-807-31	CARBON	100	5% 1/4W (E, E51, SP, AUS)	R809	1-249-429-11	CARBON	10K	5% 1/4W
R416	1-247-889-00	CARBON	270K	5% 1/4W (E, E51, SP, AUS)	R810	1-249-429-11	CARBON	10K	5% 1/4W
R417	1-249-431-11	CARBON	15K	5% 1/4W (E, E51, SP, AUS)	R811	1-249-393-11	CARBON	10	5% 1/4W
R418	1-216-853-11	METAL CHIP	470K	5% 1/10W (E, E51, SP, AUS)	R812	1-249-393-11	CARBON	10	5% 1/4W
R419	1-216-821-11	METAL CHIP	1K	5% 1/10W (E, E51, SP, AUS)	R813	1-216-833-11	METAL CHIP	10K	5% 1/10W
R432	1-216-841-11	METAL CHIP	47K	5% 1/10W (E, E51, SP, AUS)	R814	1-216-833-11	METAL CHIP	10K	5% 1/10W
R501	1-216-190-00	RES-CHIP	470	5% 1/8W	R815	1-216-797-11	METAL CHIP	10	5% 1/10W
R502	1-216-841-11	METAL CHIP	47K	5% 1/10W	R816	1-216-797-11	METAL CHIP	10	5% 1/10W
R503	1-216-841-11	METAL CHIP	47K	5% 1/10W	R817	1-249-401-11	CARBON	47	5% 1/4W
R504	1-216-833-11	METAL CHIP	10K	5% 1/10W	R818	1-216-842-11	METAL CHIP	56K	5% 1/10W
R505	1-249-425-11	CARBON	4.7K	5% 1/4W	R902	1-216-845-11	METAL CHIP	100K	5% 1/10W
R506	1-216-190-00	RES-CHIP	470	5% 1/8W	R903	1-216-845-11	METAL CHIP	100K	5% 1/10W
R507	1-249-429-11	CARBON	10K	5% 1/4W	R904	1-216-845-11	METAL CHIP	100K	5% 1/10W
R601	1-216-841-11	METAL CHIP	47K	5% 1/10W	R905	1-216-845-11	METAL CHIP	100K	5% 1/10W
R602	1-216-841-11	METAL CHIP	47K	5% 1/10W	R906	1-216-845-11	METAL CHIP	100K	5% 1/10W
R603	1-216-841-11	METAL CHIP	47K	5% 1/10W	R907	1-216-845-11	METAL CHIP	100K	5% 1/10W
R604	1-216-841-11	METAL CHIP	47K	5% 1/10W	R908	1-216-845-11	METAL CHIP	100K	5% 1/10W
R605	1-216-841-11	METAL CHIP	47K	5% 1/10W	R909	1-216-845-11	METAL CHIP	100K	5% 1/10W
R606	1-216-841-11	METAL CHIP	47K	5% 1/10W	R910	1-216-845-11	METAL CHIP	100K	5% 1/10W
R607	1-216-821-11	METAL CHIP	1K	5% 1/10W	R911	1-216-845-11	METAL CHIP	100K	5% 1/10W
R608	1-216-821-11	METAL CHIP	1K	5% 1/10W	R912	1-216-845-11	METAL CHIP	100K	5% 1/10W
R609	1-216-821-11	METAL CHIP	1K	5% 1/10W	R913	1-216-845-11	METAL CHIP	100K	5% 1/10W
R610	1-216-821-11	METAL CHIP	1K	5% 1/10W	R914	1-216-845-11	METAL CHIP	100K	5% 1/10W
R611	1-216-821-11	METAL CHIP	1K	5% 1/10W	R915	1-216-845-11	METAL CHIP	100K	5% 1/10W
R612	1-216-821-11	METAL CHIP	1K	5% 1/10W	R916	1-216-845-11	METAL CHIP	100K	5% 1/10W
R613	1-249-421-11	CARBON	2.2K	5% 1/4W	R917	1-216-845-11	METAL CHIP	100K	5% 1/10W
R614	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	R918	1-216-845-11	METAL CHIP	100K	5% 1/10W
R615	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	R919	1-216-845-11	METAL CHIP	100K	5% 1/10W
R616	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	R920	1-216-845-11	METAL CHIP	100K	5% 1/10W
R617	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	R921	1-216-845-11	METAL CHIP	100K	5% 1/10W
R618	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	R922	1-216-845-11	METAL CHIP	100K	5% 1/10W
R619	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	R923	1-216-845-11	METAL CHIP	100K	5% 1/10W
R620	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	R924	1-216-845-11	METAL CHIP	100K	5% 1/10W
R621	1-216-841-11	METAL CHIP	47K	5% 1/10W	R925	1-216-845-11	METAL CHIP	100K	5% 1/10W
R622	1-216-841-11	METAL CHIP	47K	5% 1/10W	R926	1-216-845-11	METAL CHIP	100K	5% 1/10W
R701	1-216-809-11	METAL CHIP	100	5% 1/10W	R927	1-216-845-11	METAL CHIP	100K	5% 1/10W
R702	1-216-809-11	METAL CHIP	100	5% 1/10W	R928	1-216-845-11	METAL CHIP	100K	5% 1/10W
R703	1-216-809-11	METAL CHIP	100	5% 1/10W	R929	1-216-845-11	METAL CHIP	100K	5% 1/10W
R704	1-216-809-11	METAL CHIP	100	5% 1/10W	R930	1-216-845-11	METAL CHIP	100K	5% 1/10W
R705	1-216-809-11	METAL CHIP	100	5% 1/10W	R931	1-216-845-11	METAL CHIP	100K	5% 1/10W
R706	1-216-174-00	RES-CHIP	100	5% 1/8W	R932	1-216-845-11	METAL CHIP	100K	5% 1/10W
R707	1-216-809-11	METAL CHIP	100	5% 1/10W	R933	1-216-845-11	METAL CHIP	100K	5% 1/10W
R708	1-216-809-11	METAL CHIP	100	5% 1/10W	R934	1-216-845-11	METAL CHIP	100K	5% 1/10W
R709	1-216-809-11	METAL CHIP	100	5% 1/10W	R935	1-216-845-11	METAL CHIP	100K	5% 1/10W
R801	1-216-833-11	METAL CHIP	10K	5% 1/10W	R936	1-216-845-11	METAL CHIP	100K	5% 1/10W
R802	1-216-833-11	METAL CHIP	10K	5% 1/10W	R937	1-216-845-11	METAL CHIP	100K	5% 1/10W
R803	1-216-797-11	METAL CHIP	10	5% 1/10W	R938	1-216-845-11	METAL CHIP	100K	5% 1/10W
R804	1-216-797-11	METAL CHIP	10	5% 1/10W	R939	1-216-845-11	METAL CHIP	100K	5% 1/10W
R805	1-249-429-11	CARBON	10K	5% 1/4W	R940	1-216-845-11	METAL CHIP	100K	5% 1/10W
R806	1-249-429-11	CARBON	10K	5% 1/4W	R942	1-249-414-11	CARBON	560	5% 1/4W
R807	1-216-797-11	METAL CHIP	10	5% 1/10W	R943	1-216-818-11	METAL CHIP	560	5% 1/10W
					R944	1-249-433-11	CARBON	22K	5% 1/4W
					R945	1-249-433-11	CARBON	22K	5% 1/4W
					R946	1-249-441-11	CARBON	100K	5% 1/4W
					R947	1-249-441-11	CARBON	100K	5% 1/4W
					R948	1-216-845-11	METAL CHIP	100K	5% 1/10W

PANEL

POWER

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R949	1-216-845-11	METAL CHIP	100K	5%	1/10W	S801	1-786-396-11	SW, RTRY EC12E24604-30MM (VOLUME)			
R950	1-249-441-11	CARBON	100K	5%	1/4W	S802	1-786-396-11	SW, RTRY EC12E24604-30MM (BASS)			
R951	1-249-441-11	CARBON	100K	5%	1/4W	S803	1-786-418-11	SW, RTRY RE0123PVB30F (MULTI JOG)			
						S804	1-477-824-11	ENCODER, ROTARY (TREBLE, MIDDLE)			
R952	1-216-845-11	METAL CHIP	100K	5%	1/10W			< VARIABLE RESISTOR >			
R953	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R954	1-249-419-11	CARBON	1.5K	5%	1/4W						
R955	1-249-441-11	CARBON	100K	5%	1/4W	VR401	1-227-502-11	RES, VAR, CARBON 10K (MIC MIXING)			
R957	1-249-441-11	CARBON	100K	5%	1/4W			(E, E51, SP, AUS)			
								< VIBRATOR >			
R958	1-218-463-11	RES-CHIP	8.2M	5%	1/10W						
R959	1-216-853-11	METAL CHIP	470K	5%	1/10W	X901	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)			
R960	1-216-809-11	METAL CHIP	100	5%	1/10W	X902	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)			
R961	1-216-821-11	METAL CHIP	1K	5%	1/10W	*****					
R962	1-216-821-11	METAL CHIP	1K	5%	1/10W						
								A-4734-177-A	POWER BOARD, COMPLETE (AEP, UK, CIS)		
R963	1-216-821-11	METAL CHIP	1K	5%	1/10W			A-4734-293-A	POWER BOARD, COMPLETE (E51)		
R964	1-216-833-11	METAL CHIP	10K	5%	1/10W			A-4734-952-A	POWER BOARD, COMPLETE (E, SP)		
R972	1-216-864-11	SHORT CHIP	0					A-4734-959-A	POWER BOARD, COMPLETE (AUS)		
R973	1-216-864-11	SHORT CHIP	0					*****			
R974	1-216-864-11	SHORT CHIP	0					< CAPACITOR >			
R975	1-216-864-11	SHORT CHIP	0			C5	1-165-621-11	CERAMIC CHIP	0.1uF	50V	
R976	1-216-864-11	SHORT CHIP	0			C6	1-165-621-11	CERAMIC CHIP	0.1uF	50V	
R977	1-216-864-11	SHORT CHIP	0			C7	1-165-621-11	CERAMIC CHIP	0.1uF	50V	
R978	1-216-864-11	SHORT CHIP	0			C8	1-165-621-11	CERAMIC CHIP	0.1uF	50V	
R979	1-216-864-11	SHORT CHIP	0			C11	1-126-955-11	ELECT	4700uF	20%	35V
R980	1-216-864-11	SHORT CHIP	0			C12	1-126-955-11	ELECT	4700uF	20%	35V
R981	1-216-864-11	SHORT CHIP	0			C14	1-127-814-11	ELECT	3300uF	20%	80V
R986	1-216-864-11	SHORT CHIP	0								(E51)
						C14	1-135-929-21	ELECT	3300uF	20%	80V
											(EXCEPT E51)
						C15	1-127-814-11	ELECT	3300uF	20%	80V
											(E51)
						C15	1-135-929-21	ELECT	3300uF	20%	80V
											(EXCEPT E51)
						C18	1-130-777-00	MYLAR	0.1uF	10%	100V
						C19	1-130-777-00	MYLAR	0.1uF	10%	100V
						C22	1-126-960-11	ELECT	1uF	20%	50V
						C23	1-126-957-11	ELECT	0.22uF	20%	50V
						C24	1-126-947-11	ELECT	47uF	20%	25V
						C25	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
						C26	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
						C30	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
						C31	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
						C33	1-126-967-11	ELECT	47uF	20%	50V
						C34	1-128-552-51	ELECT	47uF	20%	63V
						C35	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
						C37	1-128-552-51	ELECT	47uF	20%	63V
						C38	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
						C40	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
						C41	1-126-967-11	ELECT	47uF	20%	50V
						C42	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
						C43	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
						C45	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
						C501	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C502	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C503	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C505	1-100-152-11	CERAMIC CHIP	100PF	5%	100V
						C506	1-100-152-11	CERAMIC CHIP	100PF	5%	100V

POWER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C507	1-100-152-11	CERAMIC CHIP	100PF 5% 100V	D19	6-500-334-01	DIODE MC2836	
C508	1-100-152-11	CERAMIC CHIP	100PF 5% 100V	D20	6-500-335-01	DIODE MC2838	
C509	1-164-733-11	CERAMIC CHIP	820PF 10% 50V	D23	8-719-988-61	DIODE 1SS355TE-17	
C510	1-164-733-11	CERAMIC CHIP	820PF 10% 50V	D24	8-719-988-61	DIODE 1SS355TE-17	
C511	1-126-966-11	ELECT	33uF 20% 35V	D25	8-719-083-66	DIODE UDZSTE-1718B	
C512	1-126-966-11	ELECT	33uF 20% 35V	D29	8-719-988-61	DIODE 1SS355TE-17	
C513	1-126-965-11	ELECT	22uF 20% 50V	D30	8-719-083-52	DIODE UDZS-TE17-16B	
C514	1-126-965-11	ELECT	22uF 20% 50V	D31	8-719-988-61	DIODE 1SS355TE-17	
C517	1-126-957-11	ELECT	0.22uF 20% 50V	D32	8-719-988-61	DIODE 1SS355TE-17	
C517	1-126-959-11	ELECT	0.47uF 20% 50V (AEP, UK, CIS)	D33	8-719-988-61	DIODE 1SS355TE-17	
C518	1-126-957-11	ELECT	0.22uF 20% 50V (AEP, UK, CIS)	D34	8-719-988-61	DIODE 1SS355TE-17	
C518	1-126-959-11	ELECT	0.47uF 20% 50V (E, E51, SP, AUS)	D35	8-719-988-61	DIODE 1SS355TE-17	
C519	1-164-733-11	CERAMIC CHIP	820PF 10% 50V	D36	8-719-988-61	DIODE 1SS355TE-17	
C520	1-164-733-11	CERAMIC CHIP	820PF 10% 50V	D37	8-719-988-61	DIODE 1SS355TE-17	
C521	1-126-959-11	ELECT	0.47uF 20% 50V (AEP, UK, CIS)	D38	8-719-988-61	DIODE 1SS355TE-17	
C521	1-126-963-11	ELECT	4.7uF 20% 50V (E, E51, SP, AUS)	D39	8-719-988-61	DIODE 1SS355TE-17	
C522	1-126-959-11	ELECT	0.47uF 20% 50V (AEP, UK, CIS)	D40	8-719-988-61	DIODE 1SS355TE-17	
C522	1-126-963-11	ELECT	4.7uF 20% 50V (E, E51, SP, AUS)	D41	8-719-312-08	DIODE FMB-G16L	
C523	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D42	8-719-312-08	DIODE FMB-G16L	
C524	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D501	6-500-334-01	DIODE MC2836	
C525	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D502	6-500-334-01	DIODE MC2836	
C526	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D503	6-500-335-01	DIODE MC2838	
C527	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D504	6-500-335-01	DIODE MC2838	
C529	1-126-961-11	ELECT	2.2uF 20% 50V	D505	8-719-970-83	DIODE HSS82-TJ	
C530	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D506	8-719-970-83	DIODE HSS82-TJ	
C531	1-104-665-11	ELECT	100uF 20% 10V	D507	8-719-988-61	DIODE 1SS355TE-17	
C532	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D508	8-719-988-61	DIODE 1SS355TE-17	
C533	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D509	6-500-335-01	DIODE MC2838	
C534	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D510	6-500-334-01	DIODE MC2836	
C535	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D511	8-719-988-61	DIODE 1SS355TE-17	
C538	1-165-112-11	CERAMIC CHIP	0.33uF 16V	D512	8-719-988-61	DIODE 1SS355TE-17	
C540	1-107-714-11	ELECT	10uF 20% 16V	D513	8-719-988-61	DIODE 1SS355TE-17	
C541	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D514	8-719-988-61	DIODE 1SS355TE-17	
C542	1-165-621-11	CERAMIC CHIP	0.1uF 50V	D515	8-719-083-71	DIODE UDZSTE-1730B	
C543	1-165-621-11	CERAMIC CHIP	0.1uF 50V			< GROUND TERMINAL >	
C544	1-165-621-11	CERAMIC CHIP	0.1uF 50V	* EP01	1-537-738-21	TERMINAL, EARTH	
		< CONNECTOR >		* EP501	1-537-738-21	TERMINAL, EARTH	
CN501	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P				< TERMINAL BOARD >	
CN502	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P		JK503	1-694-877-21	TERMINAL BOARD (8P) (FRONT SPEAKER, SURROUND SPEAKER)	
		< DIODE >				< SHORT >	
D1	6-500-360-01	DIODE D10XB20		JR2	1-216-864-11	SHORT CHIP 0	
D2	6-500-340-01	DIODE G5SBA60L-6088		JR511	1-216-864-11	SHORT CHIP 0	
D11	8-719-988-61	DIODE 1SS355TE-17		JR512	1-216-864-11	SHORT CHIP 0	
D12	6-500-334-01	DIODE MC2836		JR513	1-216-296-11	SHORT CHIP 0	
D13	6-500-335-01	DIODE MC2838		JR514	1-216-864-11	SHORT CHIP 0	
D16	6-500-335-01	DIODE MC2838		JR515	1-216-864-11	SHORT CHIP 0	
D17	6-500-334-01	DIODE MC2836		JR516	1-216-864-11	SHORT CHIP 0	
D18	6-500-335-01	DIODE MC2838		JR517	1-216-864-11	SHORT CHIP 0	
						< COIL >	
				L501	1-422-009-13	COIL, AIR-CORE	
				L502	1-422-009-13	COIL, AIR-CORE	

POWER

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
< TRANSISTOR >							R8	1-216-842-11	METAL CHIP	56K	5%	1/10W	
							R9	1-216-842-11	METAL CHIP	56K	5%	1/10W	
Q5	6-550-289-01	TRANSISTOR	2SA1235F										
Q6	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R10	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q7	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R11	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q8	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R12	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q9	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R13	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	
							R14	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	
Q10	6-550-316-01	TRANSISTOR	2SB792A (RS)										
Q11	8-729-055-91	TRANSISTOR	SRA2202SF				R16	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q12	6-550-646-01	TRANSISTOR	2SC3143K4/K5-TB				R17	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q13	6-550-316-01	TRANSISTOR	2SB792A (RS)				R18	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q17	6-550-289-01	TRANSISTOR	2SA1235F				R19	1-216-835-11	METAL CHIP	15K	5%	1/10W	
							R20	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q18	6-550-040-01	FET	2SK3053										
Q19	6-550-040-01	FET	2SK3053				R21	1-216-835-11	METAL CHIP	15K	5%	1/10W	
Q20	6-550-317-01	TRANSISTOR	2SD814A (RS)				R22	1-216-839-11	METAL CHIP	33K	5%	1/10W	
Q21	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R23	1-216-839-11	METAL CHIP	33K	5%	1/10W	
Q22	6-550-316-01	TRANSISTOR	2SB792A (RS)				R26	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
							R27	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q23	6-550-289-01	TRANSISTOR	2SA1235F										
Q24	6-550-289-01	TRANSISTOR	2SA1235F				R28	1-216-198-00	RES-CHIP	1K	5%	1/8W	
Q501	6-550-320-01	TRANSISTOR	2SD2562				R29	1-216-138-00	METAL CHIP	3.3	5%	1/8W	
Q502	6-550-320-01	TRANSISTOR	2SD2562				R31	1-216-296-11	SHORT CHIP	0			
Q503	6-550-319-01	TRANSISTOR	2SB1649				R32	1-216-839-11	METAL CHIP	33K	5%	1/10W	
							R33	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q504	6-550-319-01	TRANSISTOR	2SB1649										
Q505	6-550-316-01	TRANSISTOR	2SB792A (RS)				R34	1-216-844-11	METAL CHIP	82K	5%	1/10W	
Q506	6-550-316-01	TRANSISTOR	2SB792A (RS)				R35	1-216-839-11	METAL CHIP	33K	5%	1/10W	
Q507	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R36	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q508	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R37	1-216-844-11	METAL CHIP	82K	5%	1/10W	
							R38	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q509	8-729-120-28	TRANSISTOR	2SC1623-L5L6										
Q510	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R39	1-216-845-11	METAL CHIP	100K	5%	1/10W	
Q511	6-550-413-01	TRANSISTOR	2SC3478LK				R40	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q512	6-550-413-01	TRANSISTOR	2SC3478LK				R41	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
Q513	6-550-413-01	TRANSISTOR	2SC3478LK				R42	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
							R43	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
Q514	6-550-413-01	TRANSISTOR	2SC3478LK										
Q515	6-550-317-01	TRANSISTOR	2SD814A (RS)				R44	1-216-244-00	RES-CHIP	82K	5%	1/8W	
Q516	6-550-317-01	TRANSISTOR	2SD814A (RS)				R45	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q517	6-550-316-01	TRANSISTOR	2SB792A (RS)				R46	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q518	6-550-316-01	TRANSISTOR	2SB792A (RS)				R47	1-216-837-11	METAL CHIP	22K	5%	1/10W	
							R48	1-216-849-11	METAL CHIP	220K	5%	1/10W	
Q519	6-550-316-01	TRANSISTOR	2SB792A (RS)										
Q520	6-550-316-01	TRANSISTOR	2SB792A (RS)				R49	1-216-849-11	METAL CHIP	220K	5%	1/10W	
Q521	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R50	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q522	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R51	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
Q523	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R52	1-216-841-11	METAL CHIP	47K	5%	1/10W	
							R53	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
Q524	8-729-120-28	TRANSISTOR	2SC1623-L5L6										
Q525	8-729-422-35	TRANSISTOR	2SD601A-S-TX				R54	1-216-835-11	METAL CHIP	15K	5%	1/10W	
Q526	8-729-422-35	TRANSISTOR	2SD601A-S-TX				R55	1-249-419-11	CARBON	1.5K	5%	1/4W	
Q527	6-550-289-01	TRANSISTOR	2SA1235F				R56	1-216-204-00	RES-CHIP	1.8K	5%	1/8W	
Q529	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R58	1-216-186-00	RES-CHIP	330	5%	1/8W	
							R59	1-216-184-00	RES-CHIP	270	5%	1/8W	
Q530	6-550-289-01	TRANSISTOR	2SA1235F										
Q532	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R60	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	
Q533	6-550-296-01	TRANSISTOR	2SA1980G				R61	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
Q534	6-550-296-01	TRANSISTOR	2SA1980G				R62	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q535	6-550-296-01	TRANSISTOR	2SA1980G				R63	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R64	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
Q536	6-550-289-01	TRANSISTOR	2SA1235F										
< RESISTOR >							R65	1-216-073-00	RES-CHIP	10K	5%	1/10W	
							R66	1-216-073-00	RES-CHIP	10K	5%	1/10W	
							R67	1-216-089-11	RES-CHIP	47K	5%	1/10W	
R4	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R68	1-216-073-00	RES-CHIP	10K	5%	1/10W	
R6	1-216-842-11	METAL CHIP	56K	5%	1/10W		R69	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R7	1-216-842-11	METAL CHIP	56K	5%	1/10W								

POWER

Ref. No.	Part No.	Description			Remark
R70	1-216-835-11	METAL CHIP	15K	5%	1/10W
R71	1-216-833-11	METAL CHIP	10K	5%	1/10W
R72	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R73	1-216-244-00	RES-CHIP	82K	5%	1/8W
R74	1-216-238-11	RES-CHIP	47K	5%	1/8W
R75	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R76	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R77	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R78	1-216-234-00	RES-CHIP	33K	5%	1/8W
R79	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R81	1-249-431-11	CARBON	15K	5%	1/4W
R82	1-216-835-11	METAL CHIP	15K	5%	1/10W
R83	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R85	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R86	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R90	1-216-222-00	RES-CHIP	10K	5%	1/8W
R91	1-216-176-00	RES-CHIP	120	5%	1/8W
R92	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R93	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R94	1-216-833-11	METAL CHIP	10K	5%	1/10W
R95	1-216-837-11	METAL CHIP	22K	5%	1/10W
R96	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R97	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R98	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R99	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R100	1-216-138-00	METAL CHIP	3.3	5%	1/8W
R102	1-216-208-00	RES-CHIP	2.7K	5%	1/8W
R103	1-216-244-00	RES-CHIP	82K	5%	1/8W
R104	1-216-244-00	RES-CHIP	82K	5%	1/8W
R105	1-216-244-00	RES-CHIP	82K	5%	1/8W
R106	1-216-244-00	RES-CHIP	82K	5%	1/8W
R107	1-216-244-00	RES-CHIP	82K	5%	1/8W
R108	1-216-244-00	RES-CHIP	82K	5%	1/8W
R109	1-216-244-00	RES-CHIP	82K	5%	1/8W
R110	1-216-244-00	RES-CHIP	82K	5%	1/8W
R500	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
△ R501	1-216-381-11	METAL OXIDE	0.22	5%	3W F (E51)
△ R501	1-245-545-11	METAL OXIDE	0.22	5%	3W F (EXCEPT E51)
△ R502	1-216-381-11	METAL OXIDE	0.22	5%	3W F (E51)
△ R502	1-245-545-11	METAL OXIDE	0.22	5%	3W F (EXCEPT E51)
△ R503	1-216-381-11	METAL OXIDE	0.22	5%	3W F (E51)
△ R503	1-245-545-11	METAL OXIDE	0.22	5%	3W F (EXCEPT E51)
△ R504	1-216-381-11	METAL OXIDE	0.22	5%	3W F (E51)
△ R504	1-245-545-11	METAL OXIDE	0.22	5%	3W F (EXCEPT E51)
R505	1-216-809-11	METAL CHIP	100	5%	1/10W
R506	1-216-809-11	METAL CHIP	100	5%	1/10W
R507	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R508	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R509	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R510	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R511	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R513	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R514	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R515	1-216-813-11	METAL CHIP	220	5%	1/10W
R516	1-216-813-11	METAL CHIP	220	5%	1/10W
R517	1-216-804-11	METAL CHIP	39	5%	1/10W
R518	1-216-804-11	METAL CHIP	39	5%	1/10W
R519	1-216-804-11	METAL CHIP	39	5%	1/10W
R520	1-216-804-11	METAL CHIP	39	5%	1/10W
R521	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R522	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R523	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R524	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R527	1-216-841-11	METAL CHIP	47K	5%	1/10W
R528	1-216-841-11	METAL CHIP	47K	5%	1/10W
R529	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R531	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R532	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R533	1-216-809-11	METAL CHIP	100	5%	1/10W
R534	1-216-809-11	METAL CHIP	100	5%	1/10W
R535	1-216-809-11	METAL CHIP	100	5%	1/10W
R536	1-216-809-11	METAL CHIP	100	5%	1/10W
R537	1-216-198-00	RES-CHIP	1K	5%	1/8W
R538	1-216-198-00	RES-CHIP	1K	5%	1/8W
R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R541	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R542	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R543	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R544	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R545	1-216-809-11	METAL CHIP	100	5%	1/10W
R546	1-216-809-11	METAL CHIP	100	5%	1/10W
R547	1-216-838-11	METAL CHIP	27K	5%	1/10W
R548	1-216-838-11	METAL CHIP	27K	5%	1/10W
R549	1-216-816-11	METAL CHIP	390	5%	1/10W (E, E51, SP, AUS)
R549	1-216-817-11	METAL CHIP	470	5%	1/10W (AEP, UK, CIS)
R550	1-216-816-11	METAL CHIP	390	5%	1/10W (E, E51, SP, AUS)
R550	1-216-817-11	METAL CHIP	470	5%	1/10W (AEP, UK, CIS)
R553	1-216-838-11	METAL CHIP	27K	5%	1/10W
R554	1-216-838-11	METAL CHIP	27K	5%	1/10W
R555	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, CIS)
R555	1-216-845-11	METAL CHIP	100K	5%	1/10W (E, E51, SP, AUS)
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, CIS)
R556	1-216-845-11	METAL CHIP	100K	5%	1/10W (E, E51, SP, AUS)
R557	1-216-821-11	METAL CHIP	1K	5%	1/10W
R558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R559	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R560	1-216-828-11	METAL CHIP	3.9K	5%	1/10W

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

POWER						SENSOR		SW	TRANSFORMER		
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R561	1-216-843-11	METAL CHIP	68K	5%	1/10W		1-687-669-11	SW BOARD			
R562	1-216-857-11	METAL CHIP	1M	5%	1/10W			*****			
R563	1-216-214-00	RES-CHIP	4.7K	5%	1/8W			< SWITCH >			
R564	1-216-214-00	RES-CHIP	4.7K	5%	1/8W						
R567	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	S751	1-786-514-11	SWITCH, LEVER (SLIDE)			
R568	1-216-214-00	RES-CHIP	4.7K	5%	1/8W			(OPEN/CLOSE DETECT)			
R569	1-216-853-11	METAL CHIP	470K	5%	1/10W			*****			
R570	1-260-076-21	CARBON	10	5%	1/2W						
							1-688-760-12	TRANSFORMER BOARD (AEP, UK, CIS, E51)			
R571	1-260-076-21	CARBON	10	5%	1/2W		1-688-960-11	TRANSFORMER BOARD (E, SP, AUS)			
R572	1-216-156-00	RES-CHIP	18	5%	1/8W			*****			
R573	1-216-156-00	RES-CHIP	18	5%	1/8W						
R574	1-216-182-00	RES-CHIP	220	5%	1/8W	*	1-533-213-31	FUSE HOLDER			
R575	1-216-829-11	METAL CHIP	4.7K	5%	1/10W			< CAPACITOR >			
R576	1-216-837-11	METAL CHIP	22K	5%	1/10W		C901	1-164-156-11	CERAMIC CHIP	0.1uF	25V
R577	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		C902	1-126-941-11	ELECT	470uF	20% 25V
R578	1-216-182-00	RES-CHIP	220	5%	1/8W			< CONNECTOR >			
R579	1-216-156-00	RES-CHIP	18	5%	1/8W						
R580	1-216-150-11	RES-CHIP	10	5%	1/8W						
R581	1-216-246-00	RES-CHIP	100K	5%	1/8W		CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		
R582	1-216-156-00	RES-CHIP	18	5%	1/8W	*	CN902	1-764-334-11	PLUG, CONNECTOR 11P		
R586	1-216-182-00	RES-CHIP	220	5%	1/8W			< DIODE >			
R587	1-216-182-00	RES-CHIP	220	5%	1/8W						
R588	1-216-821-11	METAL CHIP	1K	5%	1/10W						
							D901	8-719-988-61	DIODE	1SS355TE-17 (E51)	
R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		D902	8-719-988-61	DIODE	1SS355TE-17	
R591	1-216-841-11	METAL CHIP	47K	5%	1/10W		D903	8-719-988-61	DIODE	1SS355TE-17	
R592	1-216-835-11	METAL CHIP	15K	5%	1/10W		D904	8-719-988-61	DIODE	1SS355TE-17	
R593	1-216-833-11	METAL CHIP	10K	5%	1/10W		D905	8-719-988-61	DIODE	1SS355TE-17	
R594	1-216-833-11	METAL CHIP	10K	5%	1/10W						
							D906	8-719-988-61	DIODE	1SS355TE-17 (EXCEPT E51)	
△ R595	1-245-546-11	METAL OXIDE	0.47	5%	1W	F		< TRANSFORMER >			
△ R596	1-245-546-11	METAL OXIDE	0.47	5%	1W	F					
△ R597	1-245-546-11	METAL OXIDE	0.47	5%	1W	F					
△ R598	1-245-546-11	METAL OXIDE	0.47	5%	1W	F	△ PT902	1-439-735-11	TRANSFORMER, POWER (AEP, UK, CIS)		
R599	1-216-841-11	METAL CHIP	47K	5%	1/10W		△ PT902	1-439-736-11	TRANSFORMER, POWER (E51)		
							△ PT902	1-439-976-11	TRANSFORMER, POWER (E, SP, AUS)		
R601	1-216-156-00	RES-CHIP	18	5%	1/8W			< RELAY >			
R602	1-216-156-00	RES-CHIP	18	5%	1/8W						
R603	1-216-156-00	RES-CHIP	18	5%	1/8W						
R604	1-216-156-00	RES-CHIP	18	5%	1/8W		△ RY901	1-755-496-11	RELAY (E51)		
							△ RY902	1-755-276-11	RELAY, POWER (EXCEPT E51)		
								< SWITCH >			
							△ S901	1-786-404-11	SW, SL 1-2-2 SWS2201 (AC VOLTAGE) (E, SP)		
							△ S901	1-786-408-11	SW, SL 1-2-3 SWS2301 (AC VOLTAGE) (E51)		

								MISCELLANEOUS			

							58	1-769-889-11	WIRE (FLAT TYPE) (7 CORE)		
							63	1-773-322-11	WIRE (FLAT TYPE) (31 CORE)		
							64	1-769-976-11	WIRE (FLAT TYPE) (13 CORE)		
							65	1-769-919-11	WIRE (FLAT TYPE) (9 CORE)		
							68	1-827-399-11	WIRE (FLAT TYPE) (3 CORE) (E, E51, SP, AUS)		
							106	1-796-487-41	DECK, MECHANICAL (CWM43RR23)		
							253	1-693-626-11	TUNER (FM/AM) (AEP, UK)		
							253	1-693-627-11	TUNER (FM/AM) (CIS)		
							253	1-693-628-11	TUNER (FM/AM) (E, E51, SP, AUS)		
							△ 302	1-690-608-11	COED, POWER (AUS)		
							△ 302	1-777-071-83	CORD, POWER (AEP, CIS, E51, SP)		
							△ 302	1-783-532-11	CORD, POWER (UK)		

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

Ref. No.	Part No.	Description	Remark
△ 302	1-792-948-12	CORD, POWER (E)	
308	1-769-939-11	WIRE (FLAT TYPE) (11 CORE)	
		(CIS, E, E51, SP, AUS)	
308	1-773-003-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
309	1-827-146-11	WIRE (FLAT TYPE) (19 CORE)	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
602	1-471-035-11	MAGNET ASSY	
△ 657	8-820-020-11	OPTICAL PICK-UP KSS-213D/Z-RP	
658	1-823-859-11	WIRE (FLAT TYPE) (16 CORE)	
△ F902	1-533-469-11	FUSE, GLASS TUBE (DIA. 5) (T2.5AL/250V)	
△ F905	1-576-655-11	FUSE, GLASS TUBE (DIA. 5) (T8AL/250V)	
△ F906	1-576-655-11	FUSE, GLASS TUBE (DIA. 5) (T8AL/250V)	
M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
M702	X-2161-802-1	CHASSIS ASSY (DCP), T. T (SPINDLE)	
M741	A-4723-963-A	MOTOR ASSY, TABLE	
M731	1-763-072-11	FAN, DC	
M751	A-4736-655-A	MOTOR ASSY, LOADING	
△ PT901	1-439-940-11	TRANSFORMER, POWER (E, SP, AUS)	
△ PT901	1-439-787-11	TRANSFORMER, POWER (E51)	
△ PT901	1-439-789-11	TRANSFORMER, POWER (AEP, UK, CIS)	
S711	1-477-680-11	ENCODER, ROTARY	
		(DISC TRAY ADDRESS DETECT)	

ACCESSORIES

△	1-569-008-12	ADAPTOR, CONVERSION 2P (E51)
△	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK)

MEMO

REVISION HISTORY

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