

HCD-DP800AV

SERVICE MANUAL

Ver 1.4 2003.12



PHOTO : AEP model

Canadian Model
AEP Model
E Model
Australian Model

- HCD-DP800AV is the tuner, deck, CD and amplifier section in MHC-DP800AV.

CD Section	Model Name Using Similar Mechanism	HCD-DP700
	CD Mechanism Type	CDM58E-30BD60
	Base Unit Name	BU-30BD60
	Optical Pick-up Name	A-MAX.3
Tape deck Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	TCM-230MWR41/AWR41

SPECIFICATIONS

Amplifier section

Canadian model:

Continuous RMS power output (reference)
Front speaker: 100 + 100 watts
Center speaker: 30 watts
Rear speakers: 30 + 30 watts
(8 ohms at 1 kHz, 10% THD)
Total harmonic distortion less than 0.07%
(8 ohms at 1 kHz, 65 W)

European model:

DIN power output (rated) 60 + 60 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
Front speaker: 80 + 80 watts
Center speaker: 30 watts
Rear speakers: 30 + 30 watts
(8 ohms at 1 kHz, 10% THD)
Music power output (reference)
Front speaker: 150 + 150 watts
Center speaker: 60 watts
Rear speakers: 60 + 60 watts
(8 ohms at 1 kHz, 10% THD)

Oceanian model:

The following measured at AC 120, 220, 240 V,
50/60 Hz
DIN power output (rated) 90 + 90 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
Front speaker: 120 + 120 watts
Center speaker: 40 watts
Rear speakers: 40 + 40 watts
(8 ohms at 1 kHz, 10% THD)

Other models:

The following measured at AC 120, 220, 240 V,
50/60 Hz
DIN power output (rated) 90 + 90 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
Front speaker: 120 + 120 watts
Center speaker: 40 watts
Rear speakers: 40 + 40 watts
(8 ohms at 1 kHz, 10% THD)

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COMPACT DISC DECK RECEIVER

HCD-DP800AV

Inputs

GAME IN: (phono jacks)	voltage 250 mV, impedance 47 kilohms
MD/VIDEO IN: (phono jacks)	voltage 450 mV/250 mV, impedance 47 kilohms
OPTICAL IN: (Square optical connector jacks, front panel (North American and European models only), or front and rear panels (except for North American and European models))	
MIC: (Except for North American and European models) (phone jack)	sensitivity 1 mV, impedance 10 kilohms

Outputs

MD (VIDEO) OUT: (phono jacks)	voltage 250 mV impedance 1 kilohms
PHONES: (stereo mini jack)	accepts headphones of 8 ohms or more
FRONT SPEAKER	accepts impedance of 8 to 16 ohms
REAR SPEAKER:	accepts impedance of 8 to 16 ohms
CENTER SPEAKER:	accepts impedance of 8 to 16 ohms
SUB WOOFER:	Voltage 1 V, impedance 1 kilohms

CD player section

System	Compact disc and digital audio system
Laser	Semiconductor laser ($\lambda=660$ nm)
Frequency response	2 Hz – 20 kHz (± 0.5 dB)
Signal-to-noise ratio	More than 90 dB
Dynamic range	More than 90 dB
DIGITAL OUT OPTICAL (Square optical connector jack, rear panel)	
wavelength	660 nm

Tape player section

Recording system	4-track 2-channel stereo
Frequency response (DOLBY NR OFF)	40 – 13,000 Hz (± 3 dB), using Sony TYPE I cassette, 40 – 14,000 Hz (± 3 dB), using Sony TYPE II cassette

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna	FM lead antenna
Antenna terminals	75 ohm unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range	
Pan American model:	530 – 1,710 kHz (with the interval set at 10 kHz) 531 – 1,710 kHz (with the interval set at 9 kHz)
European and Middle Eastern models:	531 – 1,602 kHz (with the interval set at 9 kHz)
Other models:	531 – 1,602 kHz (with the interval set at 9 kHz) 530 – 1,710 kHz (with the interval set at 10 kHz)
Antenna	AM loop antenna
Antenna terminals	External antenna terminal
Intermediate frequency	450 kHz

General

Power requirements	
North American model:	120 V AC, 60 Hz
European model:	230 V AC, 50/60 Hz
Australian model:	230 – 240 V AC, 50/60 Hz
Mexican model:	120 V AC, 60 Hz
Korean model:	220 V AC, 60 Hz
Other models:	120 V, 220 V or 230 – 240 V AC, 50/60 Hz Adjustable with voltage selector
Power consumption	
Canadian model:	190 VA
European model:	170 watts 0.5 watts (during Power Saving Mode)
Other models:	210 watts
Dimensions (w/h/d)	Approx. 280 x 360 x 365 mm
Mass	
North American and European models:	Approx. 10.5 kg
Other models:	Approx. 12.0 kg
Supplied accessories:	AM loop antenna (1) FM lead antenna (1) Remote commander (1) Batteries (2) Front speaker pads (8) Center and rear speaker pads

Design and specifications are subject to change
without notice.

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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE $\triangle$ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

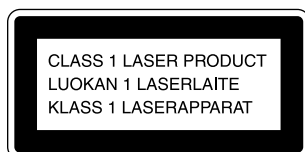
NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

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 component in this product is capable of emitting radiation exceeding the limit for Class 1.



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

CAUTION

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

Notes on chip component replacement

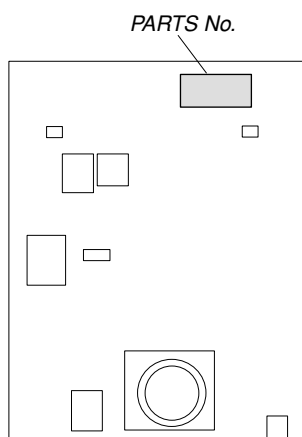
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of 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.

MODEL IDENTIFICATION

— BACK PANEL —



MODEL	PARTS No.
AEP model	4-231-894-0□
CND model	4-231-894-1□
AUS model	4-231-894-2□
KR model	4-231-894-3□
MX model	4-231-894-4□
AR model	4-231-894-5□

- Abbreviation
 - CND : Canadian model
 - MX : Mexican model
 - KR : Korea model
 - AR : Argentine model
 - AUS : Australian model

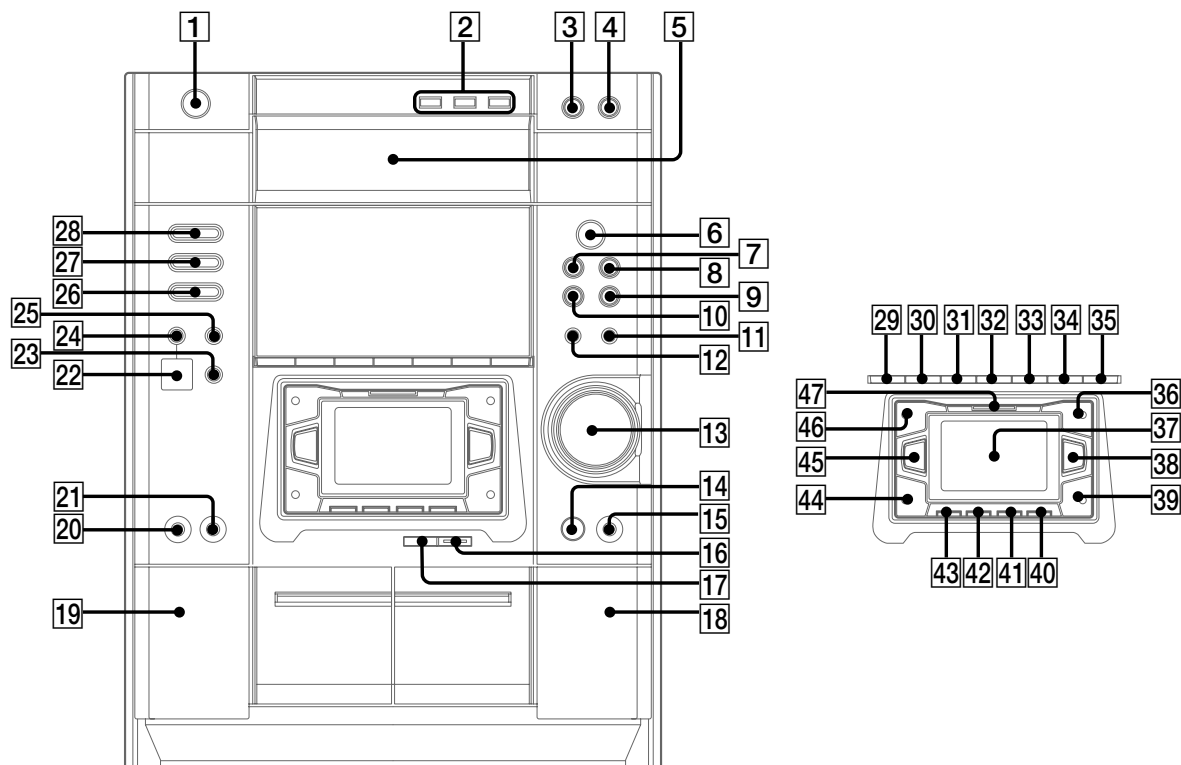
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Parts Identification

The items are arranged in alphabetical order.

Main unit



2CH/MULTI **40** (23)
 CD **28** (8, 12, 13, 18, 19)
 CD SYNC HI-DUB **17** (18, 19)
 CLOCK/TIMER SET **31** (11, 19, 25)
 DECK A **▲** **19** (17)
 DECK B **▲** **18** (17, 18)
 digipad **37** (6, 9, 10, 11, 13, 15, 16, 17, 20, 21, 22, 25)
 DIGITAL **24** (26)
 DIGITAL IN (or DIGITAL IN 2) (OPTICAL) jack **22** (26)
 DIRECTION **33** (17, 18, 19)
 DISC 1-3 **2** (12, 13, 19)
 DISC SKIP EX-CHANGE **3** (12)
 Disc tray **5** (12)
 DISPLAY **29** (11, 14, 16)
 DOLBY NR **34** (17, 18, 19)
 DSP EDIT **45** (21)
 EDIT **33** (19)
 EFFECT **41** (21, 22)
 ENTER **38** (9, 10, 11, 13, 15, 16, 19, 20, 21, 22, 23, 25)

FM MODE **34** (15)
 GAME **23** (26)
 GAME MODE **44** (21)
 GROOVE **42** (21)
 IR receptor **14**
 KARAOKE PON (Except for North American and European models) **30** (23)
 MD (VIDEO) **25** (26)
 MIC jack (Except for North American and European models) **20** (23)
 MIC LEVEL control (Except for North American and European models) **21** (23)
 MOVIE MODE **36** (21)
 MULTI CHANNEL DECODING indicator **47** (24)
 MUSIC MODE **46** (21)
 P FILE **43** (22)
 PHONES jack **15**
 PLAY MODE **35** (12, 13, 19)
 PTY (European model only) **33** (16)
 REC PAUSE/START **16** (18, 19)

REPEAT **34** (13)
 SPECTRUM (North American and European models only) **30** (23)
 TAPE A/B **26** (17, 18)
 TIMER SELECT **32** (20, 25)
 TOOL MODE **39** (21)
 TUNER/BAND **27** (15)
 TUNER MEMORY **35** (15)
 VOLUME control **13**

BUTTON DESCRIPTIONS

I/⏻ (power) **1**
 ▲ OPEN/CLOSE (disc tray) **4**
 ◀▶ (play) **6**
 || (pause) **7**
 ■ (stop) **8**
 ◀◀ (go back) **10**
 ▶▶ (go forward) **9**
 ◀◀/- (rewind) **12**
 ▶▶/+ (fast forward) **11**

Setting the time

- 1** Turn on the system.
- 2** Press **CLOCK/TIMER SET**.
When you set the time for the first time,
proceed to step 5.
- 3** Press **◀◀** or **▶▶** repeatedly to select
“**CLOCK SET**”.
- 4** Press **ENTER**.
- 5** Press **◀◀** or **▶▶** repeatedly to set the
hour.
- 6** Press **ENTER**.
- 7** Press **◀◀** or **▶▶** repeatedly to set the
minutes.
- 8** Press **ENTER**.

Tips

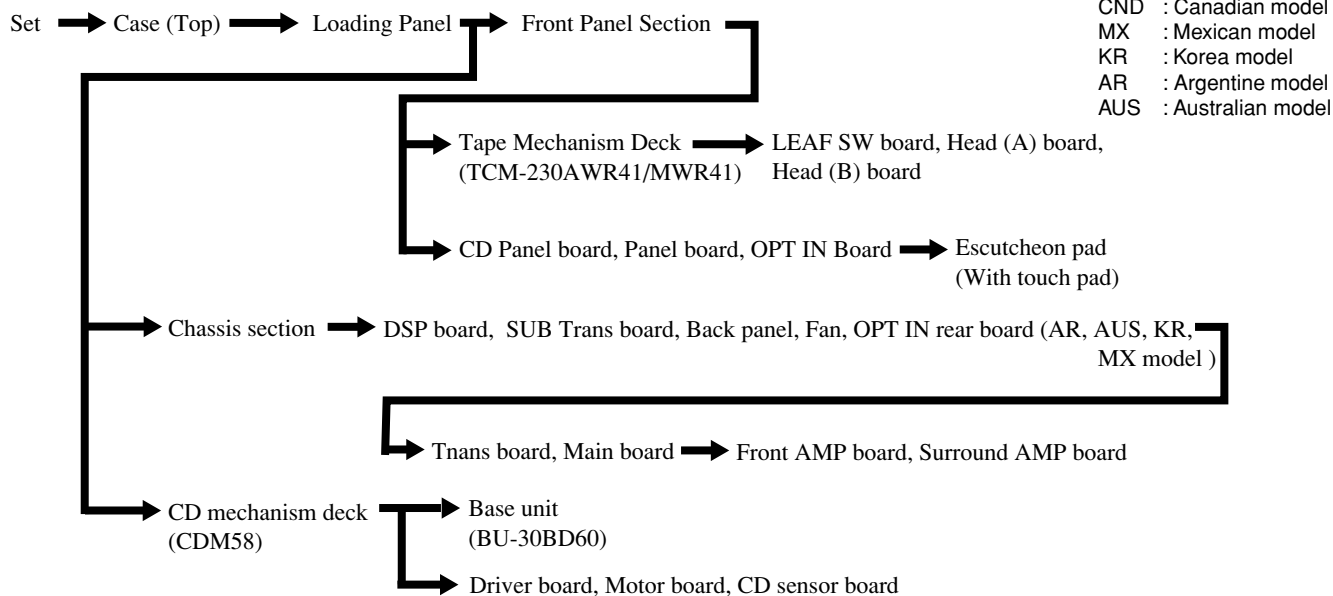
- If you have made a mistake or want to change the time, start over from step 2.
- You can use the digipad instead of **◀◀**/**▶▶**.

Note

The clock settings are canceled when you disconnect the power cord or if a power failure occurs.

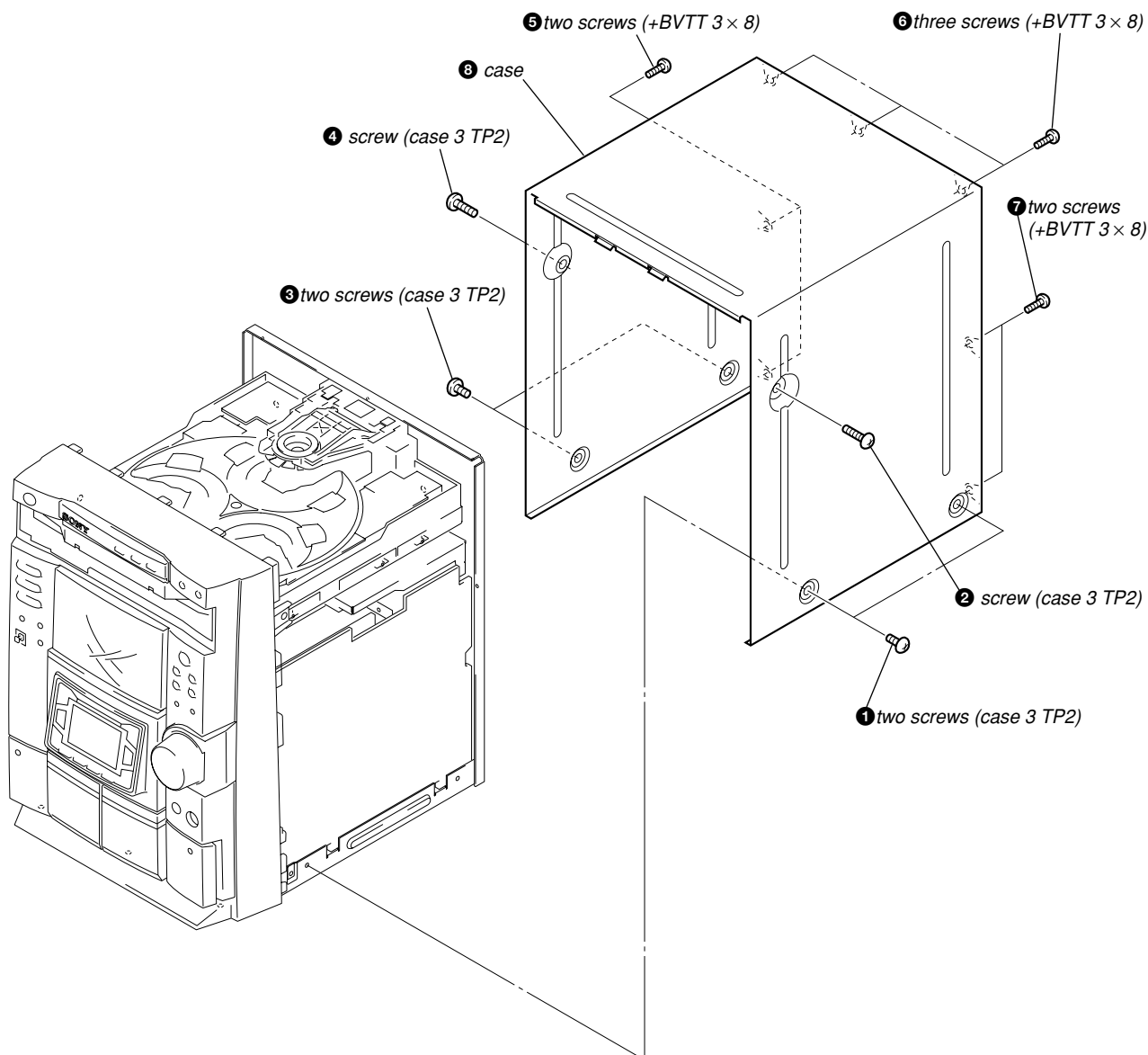
SECTION 2 DISASSEMBLY

• The equipment can be removed using the following procedure.

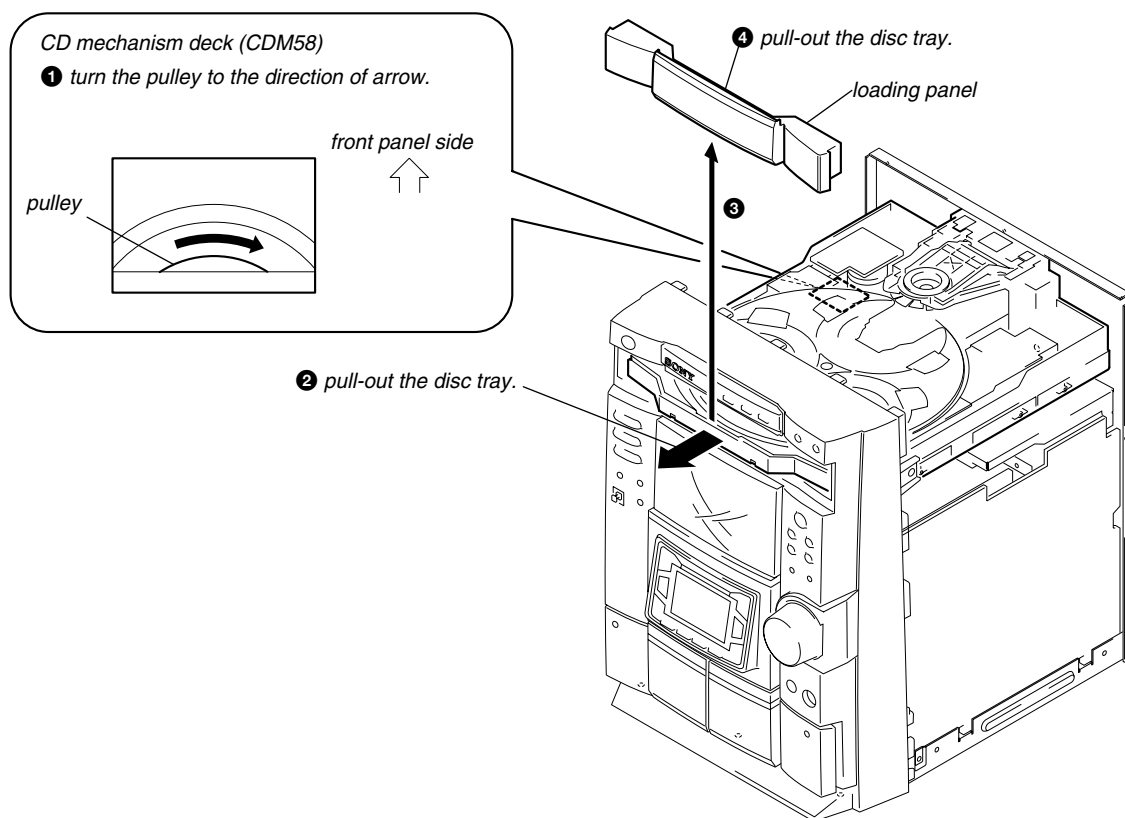


Note : Follow the disassembly procedure in the numerical order given.

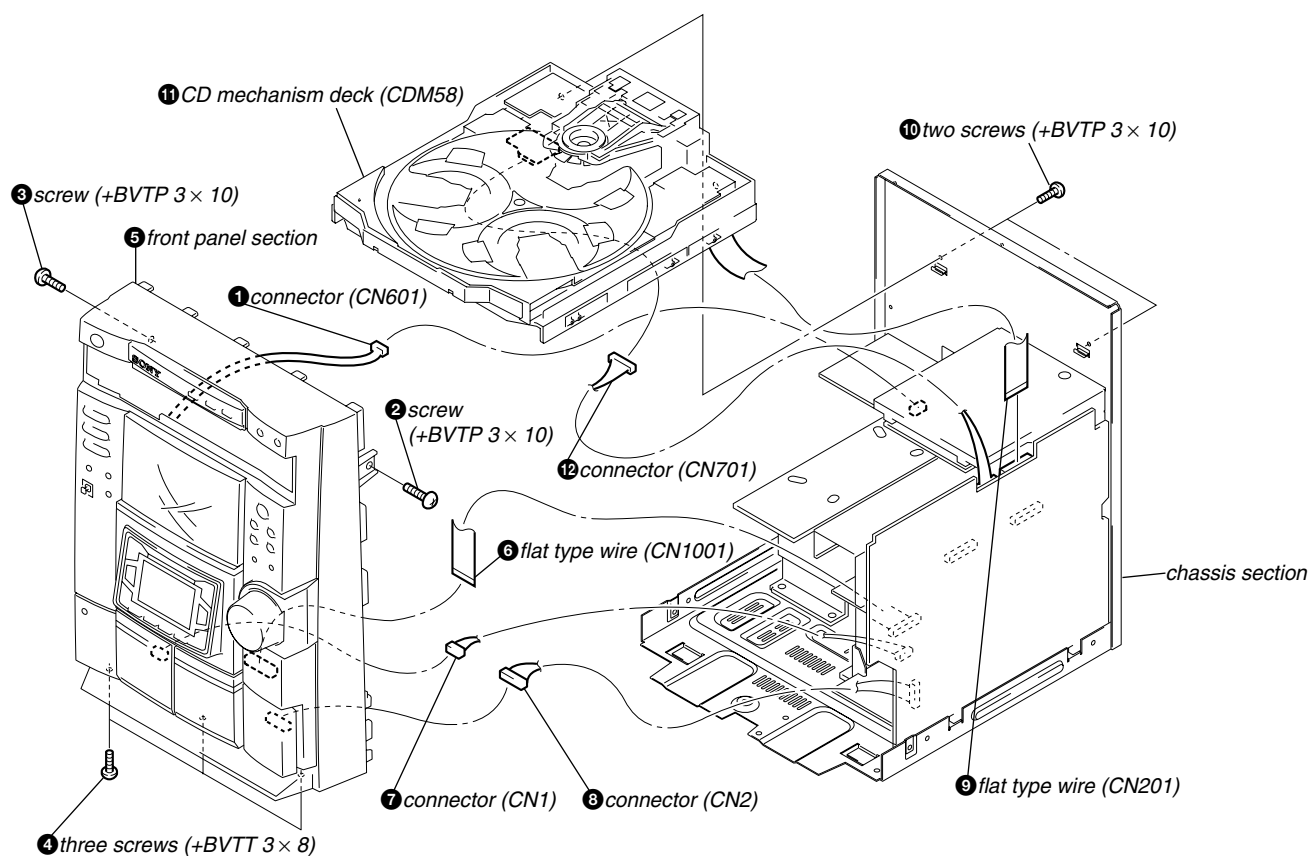
2-1. CASE (TOP)



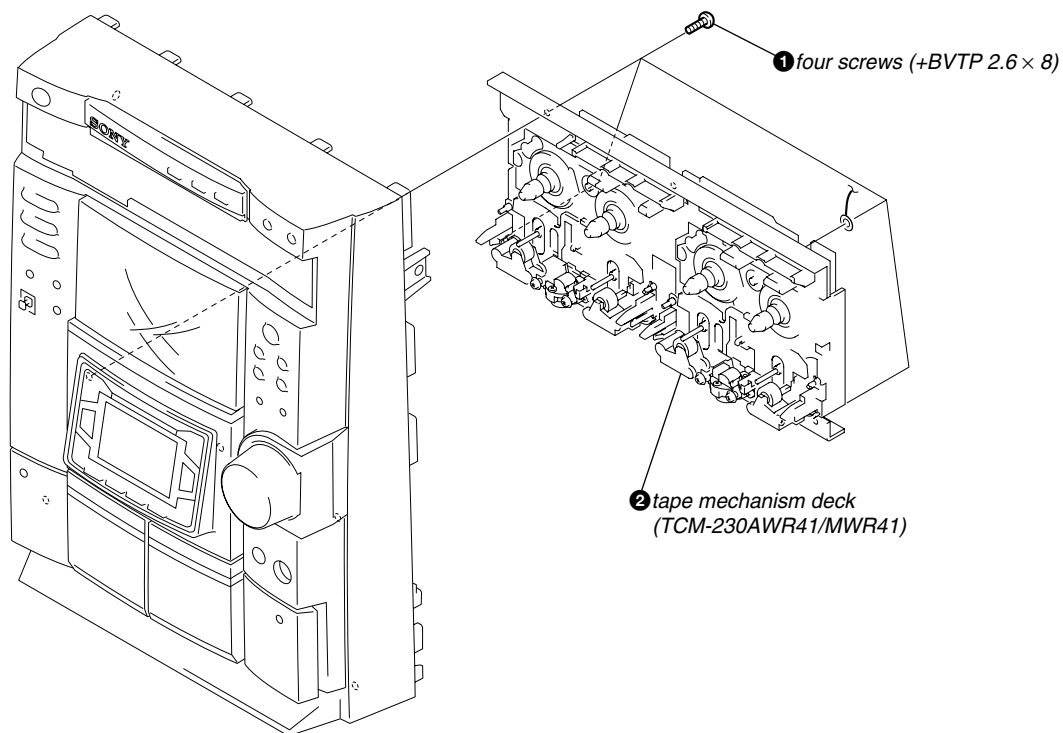
2-2. LOADING PANEL



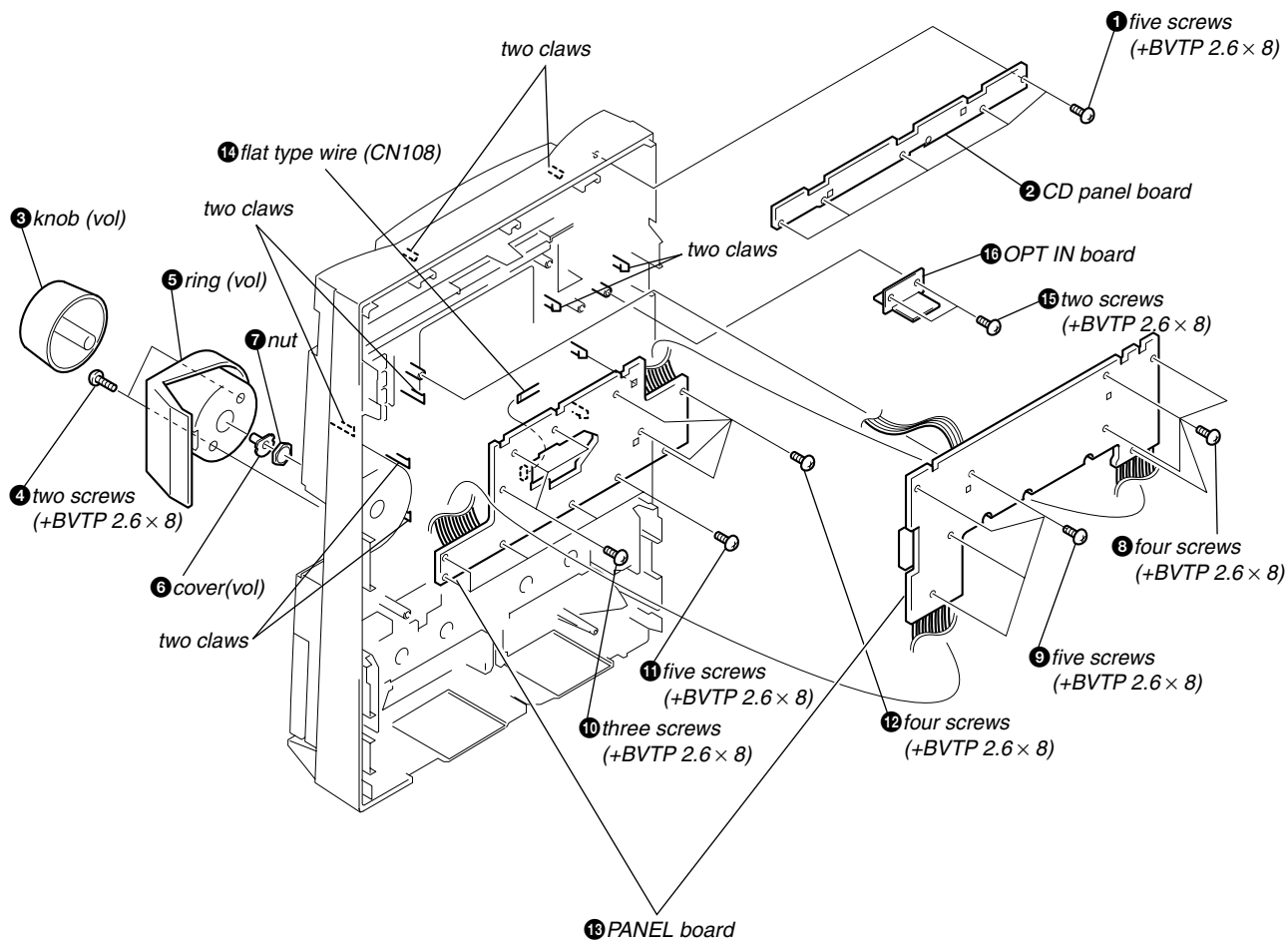
2-3. FRONT PANEL SECTION, CD MECHANISM DECK (CDM58)



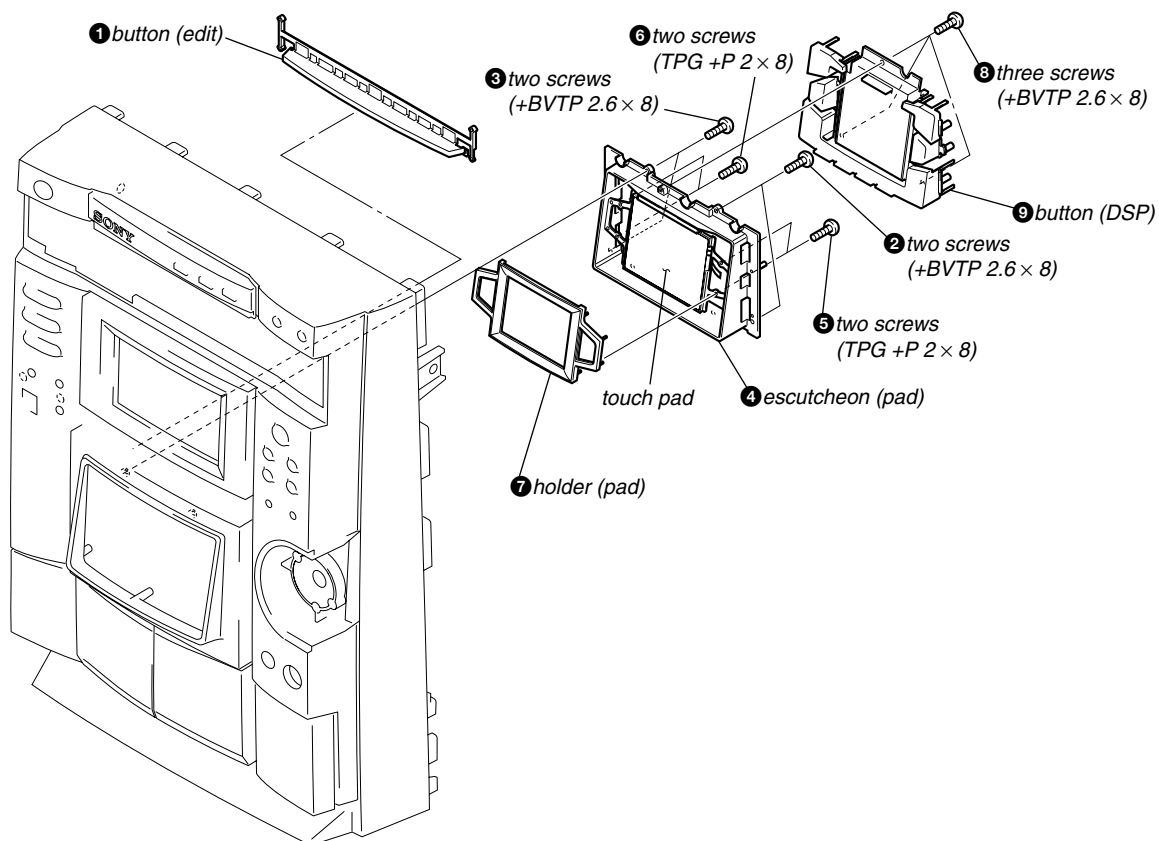
2-4. TAPE MECHANISM DECK (TCM-230AWR41/MWR41)



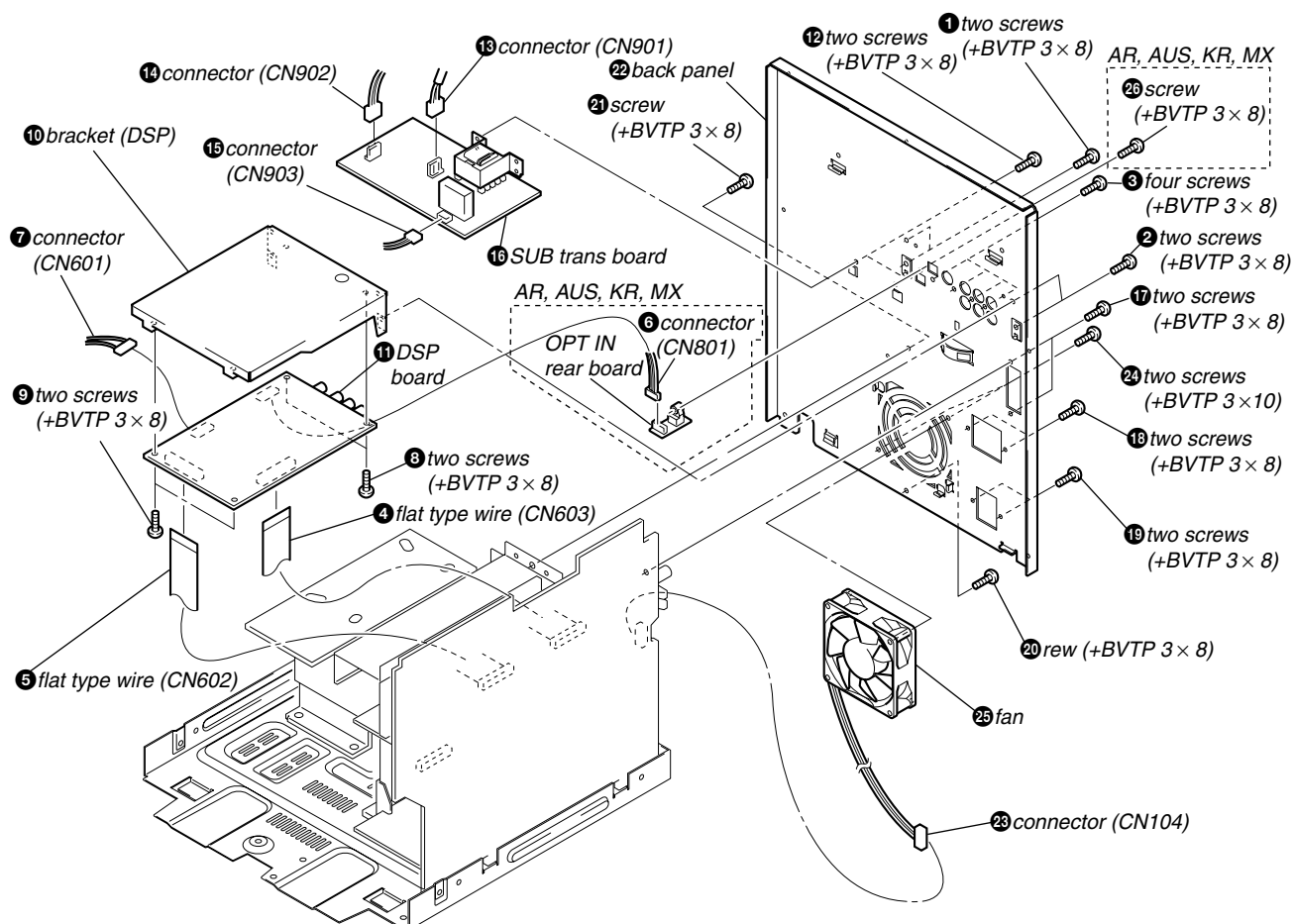
2-5. CD PANEL BOARD, PANEL BOARD, OPT IN BOARD



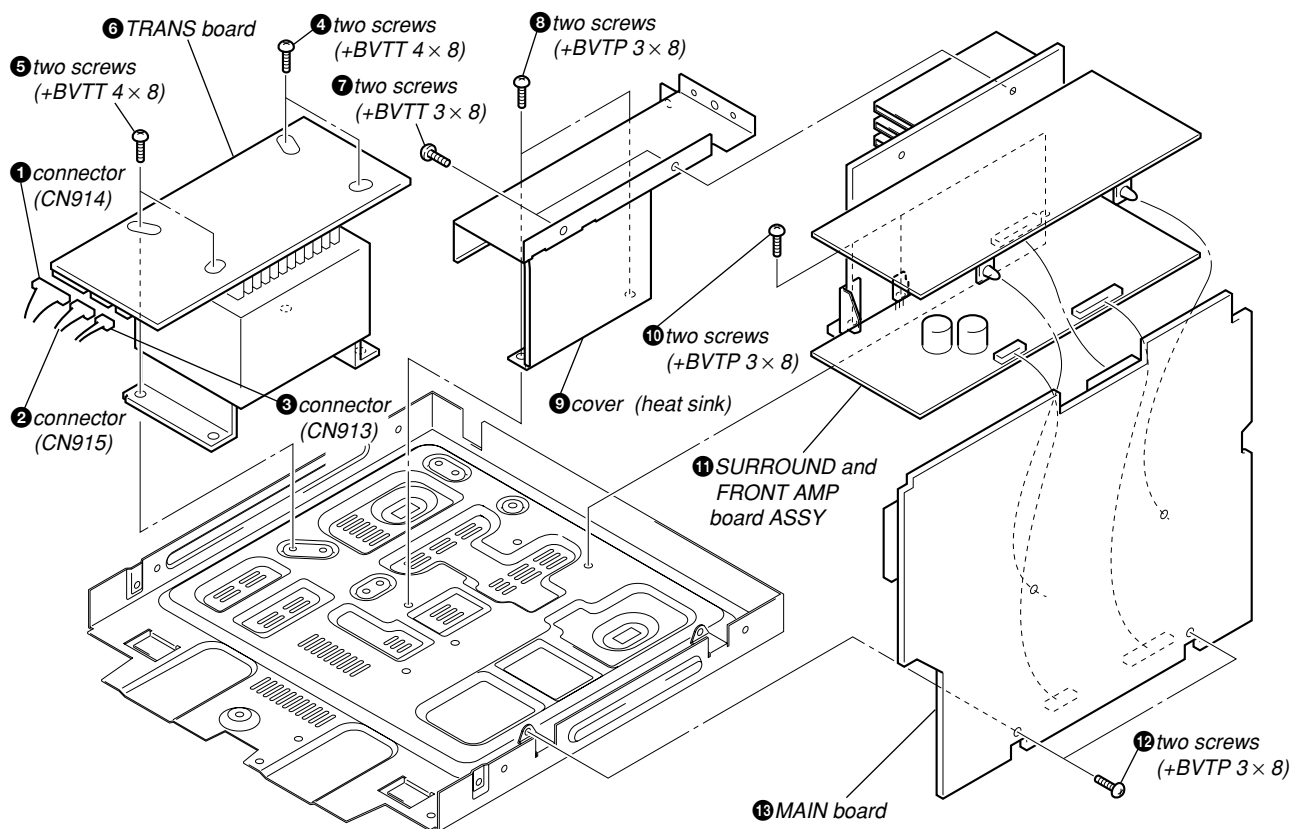
2-6. ESCUTCHEON PAD (WITH TOUCH PAD)



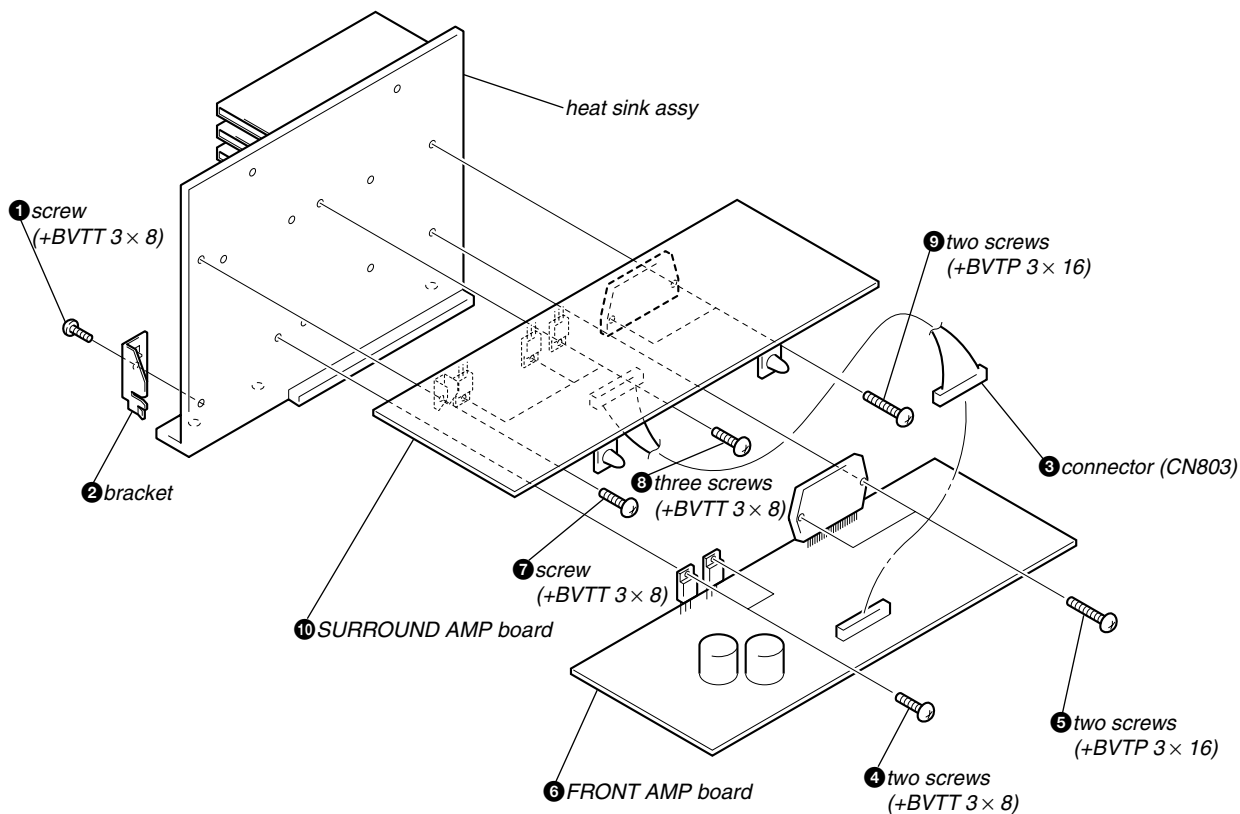
2-7. DSP BOARD, SUB TRANS BOARD, BACK PANEL, FAN, OPT IN REAR BOARD (AR, AUS, KR, MX models)



2-8. TRANS BOARD, MAIN BOARD

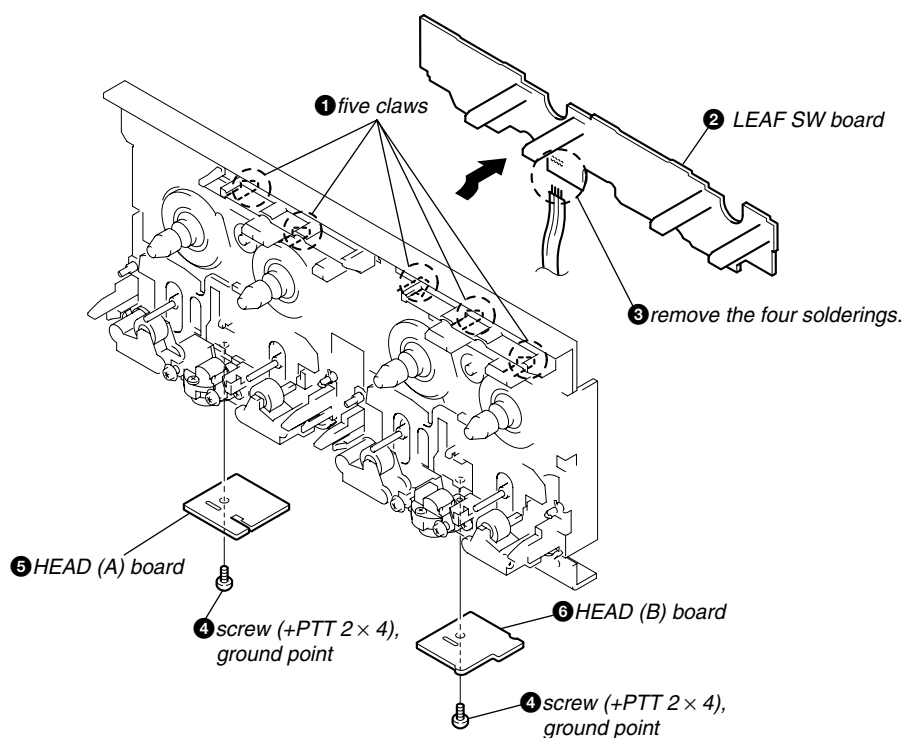


2-9. FRONT AMP BOARD, SURROUND AMP BOARD

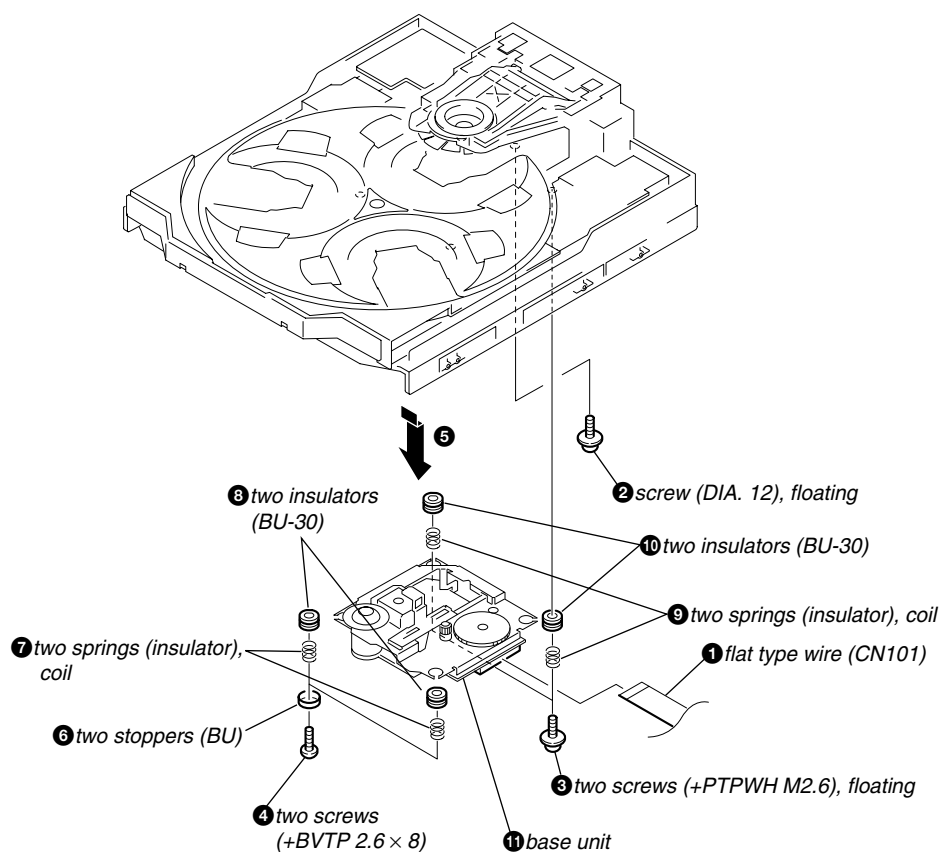


2-10. LEAF SW BOARD, HEAD (A) BOARD, HEAD (B) BOARD (TCM-230AWR41/MWR41)

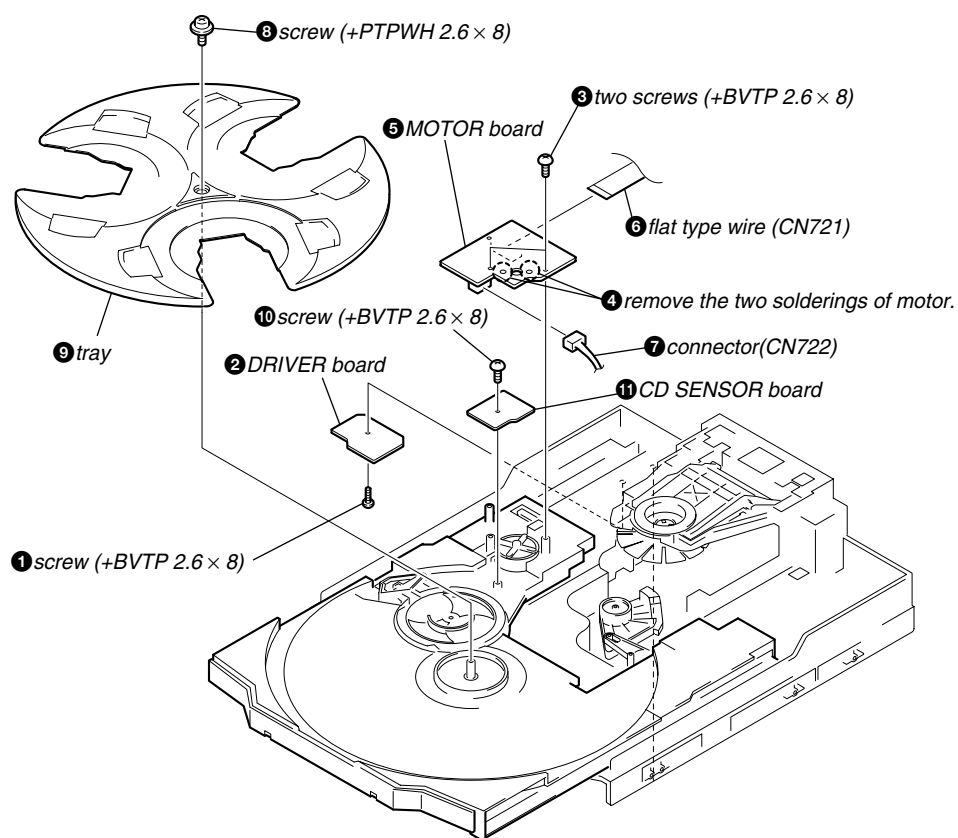
Note: This illustration is for TCM-230MWR, but in case of TCM-230AWR, you can remove them in the same way.



2-11. BASE UNIT



2-12. DRIVER BOARD, MOTOR BOARD, CD SENSOR BOARD



SECTION 3 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 three buttons  , **DISPLAY** , and **DISC 1** simultaneously.
- The fluorescent indicator tube becomes blank instantaneously, and the set is reset.

[Tuner Step Change] (Except for European and Middle Eastern models)

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

Procedure:

- Press  button to turn the set ON.
- Select the function "TUNER", and press **TUNER/BAND** button to select the BAND "AM".
- Press  button to turn the set OFF.
- Press **ENTER** and  buttons simultaneously, and the display of fluorescent indicator tube changes to "AM 9 k STEP" or "AM 10 k STEP", and thus the channel step is changed over.

[GC Test Mode]

- This mode is used to check the software version, FL tube, LED, keyboard and VACS.

Procedure:

- Press three buttons  , **DISPLAY** , and **DISC 2** simultaneously.
- LEDs and fluorescent indicator tube are all turned on.
- When you want to enter the software version display mode, press **DISC 1**. The model number and destination are displayed.
- Each time **DISC 1** is pressed, the display changes stating from MC version, GC version, CD version, CDD, CDM, MD version BD, ST version, TA version, TM version, TC version, in this order, and returns to the model number and destination display.
- When **DISC 3** is pressed while the version numbers are being displayed except model number and destination, year, month and day of the software creation appear. When **DISC 3** is pressed again, the display returns to the software version display. When **DISC 1** is pressed while year, month and day of the software creation are being displayed, the year, month and day of creation of the software versions are displayed in the same order of version display.
- Press **DISC 2** button, and the key check mode is activated.
- In the key check mode, the fluorescent indicator tube displays "KOJOVO". Each time a button is pressed, "KEY" value increases.
However, once a button is pressed, it is no longer taken into account.
"VOL" value increases like 1, 2, 3...if rotating VOLUME knob in "+" direction, or it decreases like 0, 9, 8...if rotating in "-" direction.
- Also when **DISC 3** is pressed after lighting of all LEDs and FL tubes, value of VACS appears.
- To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

[MC Test Mode]

- This mode is used to check operations of the respective sections of Amplifier, Tuner, and Tape.

Procedure:

- To enter MC Test Mode
- Press the  button to turn on the set.
 - Press the three buttons of  , **DISPLAY** and **DISC 3** simultaneously.

- Cursor segment flash on the FL display tube. The input FUNCTION is changed to GAME.

* Check of Amplifier

Initial settings: Input → GAME
EQ → FLAT
Mode → MUSIC
VA CS → OFF

Output channel switching:

MUSIC key: L → L R → R through
MOVIE key: L → SL R → SR through
GAME key: L → L, SL, C R → R, SR, SW through
TOOL MODE key: L → C R → SW through

- When the **VOLUME** control knob is turned clockwise even slightly, the sound volume increases to its maximum and a message "VOLUME MAX" appears for two seconds, then the display returns to the original display.
- When the **VOLUME** control knob is turned counter-clockwise even slightly, the sound volume decreases to its minimum and a message "VOLUME MIN" appears for two seconds, then the display returns to the original display.

* Tuner function

- In the test mode, the default-preset channel is called even when the TUNER is selected and an attempt is made to call the preset channel that has been stored in memory. (It means that the memory is cleared.)
- The minimum, center and maximum frequency of each band is set then.

* Tape recording test

- To enter the MC Test Mode.
- Load tapes in both tape decks A and B.
- Press the REC button to start recording.
- Pressing the  ,  buttons during recording returns the tape to the recording start position and stops it at this position.
- Pressing the "High Speed Dubbing" key while playing back the tape of deck B switches the playback speed between "Normal Speed" and "High Speed".

Note:

When the playback direction of the tape is set to other than "ONLY WAY", the restriction on the number of times playback which can be repeated will be cleared.

* AMS Test Mode

- Set TAPE function
- Select the desired loop by pressing the **PLAY MODE** button. Insert a test tape AMS-110A or AMS-120 to Deck A.
- Press the **SPECTRUM** or **KARAOKE PON** button to enter the AMS test mode.
- After a tape is rewound first, the FF AMS is checked, and the mechanism is shut off after detecting the AMS signal the AMS signal twice.
- Then the REW AMS is checked and the mechanism is shut off after detecting the AMS signal twice.
- When the check is complete, a message of either OK or NG appears.

* To return to normal mode again.

- When you want to exit this mode, press the  button.
- The cold reset is enforced at the same time.

[Aging Mode]

This mode can for operation check of tape deck section and CD section.

- If an error occurred:
The aging operation stops and display then status.
- If no error occurs:
The aging operation continues repeatedly.

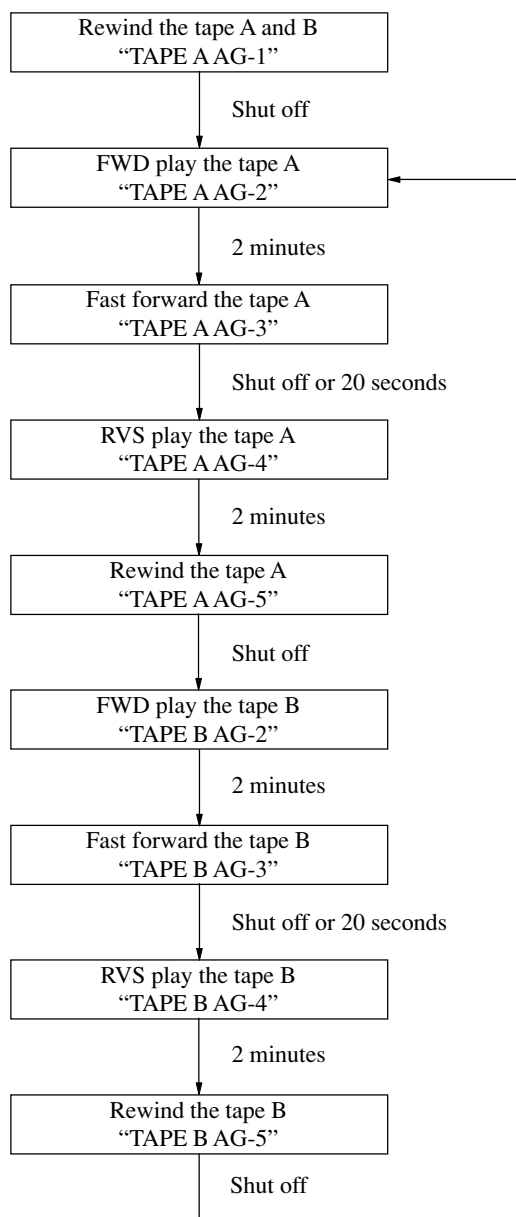
Procedure:

1. Press the **[CD]** button to select the function “CD”.
2. Load the tapes into the decks A and B respectively.
3. Set a disk in “DISK1” tray.
4. Press the **[PLAY MODE]** button to set the “ALL DISCS” mode, and press the **[REPEAT]** button to “REPEAT” off.
5. Press three buttons of **[■]**, **[ENTER]**, and **[DISC SKIP/EX-CHANGE]** simultaneously.
6. The aging mode is activated, if the indicator of DOLBY NR is blinking.
7. To exit from the aging mode, operate the cold reset.

[Tape Deck Section]

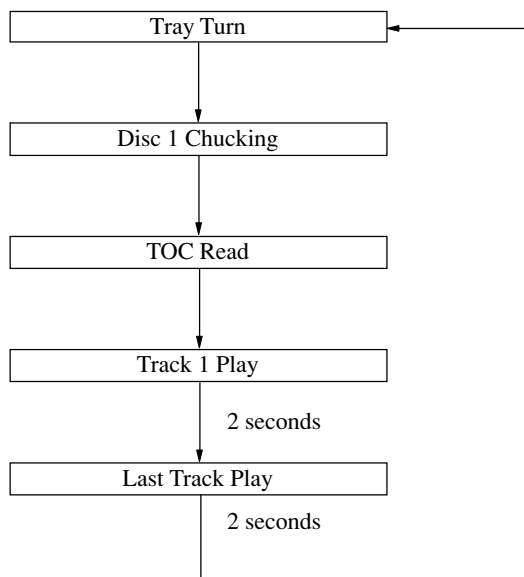
- The sequence during the aging mode is following as below.
- If an error occurred, stop display that step.

Aging mode sequence (Tape deck section):



[CD Section]

- The sequence during the aging mode is following as below.

Aging mode sequence (CD section):**Error History Display****1. BD Error History Display**

11 digits are displayed after the D character.

Example of display : D00209010100

- 1st digit : Indicates the error history number.
0 is the latest error
- 2nd to 3rd digits : Indicates details of the problem.
- 01 : Cannot focus
 - 02 : GFS NG
 - 03 : Start time over
 - 04 : Focus deviates continuously
 - 05 : Q code absent for some time
- 4th to 5th digits : Processing when problems occur
- 01 : Currently SHIP processing
 - 02 : Currently POWER OFF processing
 - 03 : Currently initializing
 - 04 : Currently stopping
 - 05 : Currently STOP operation processing
 - 06 : Currently start processing
 - 07 : Currently TOC reading
 - 08 : Currently searching
 - 09 : Currently playing
 - 0A : Currently pausing
 - 0B : Currently PLAY manual searching
 - 0C : Currently PAUSE manual searching
- 6th to 7th digits : Operations currently performed for problems which have occurred
- 8th to 9th digits : Rotation speed of DISC when problems occur
- 01 : x1 speed
 - 02 : x2 speed
- 10th to 11th digits : Fixed at 00

2. CDM Error History <CDM58 Error History Display>

11 digits are displayed after the M character.

Example of display : M0FF400220000

- 1st digit : Indicates the error history number.
0 is the latest error
- 2nd to 3rd digits : Indicates the details of the problem.
- 01 : Initialization table is currently rotating 1
 - 02 : Initialization table is currently rotating 2
 - 03 : Initialization table is currently rotating 3
 - 04 : Currently DISC SKIP in OPEN mode
 - 05 : CLOSE table is currently rotating
 - 06 : Chucking table is currently rotating
 - 07 : Currently performing SHIP operations
 - 08 : Currently performing release operations
 - 09 : Currently performing POWER OFF operations
- 4th to 5th digits : Processing when problems occur
- 01 : Currently performing SHIP operations
 - 02 : Currently performing POWER OFF operations
 - 03 : Currently initializing
 - 04 : Currently performing release operations
 - 05 : Currently in chuck stop state
 - 06 : Currently performing CLOSE operations
 - 07 : Currently performing exchange CLOSE operations
 - 08 : Currently performing OPEN operations
 - 09 : Currently performing OPEN POP UP operations
 - 0A : Currently performing exchange OPEN operations
- 6 to 7th digits : Operations currently performed for problems which have occurred
- 8th to 9th digits : Targets of processing when problems occur
Same as 4th to 5th digits
- 10th to 11th digits : Fixed at 00

[CD Ship Mode (No Memory Clear)]

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

Procedure:

- Press button to turn the set ON.
- Press three button and button simultaneously.
- After the "STANBY" display blinks six times, a message "LOCK" is displayed on the fluorescent indicator tube, and the CD ship mode is set.

[CD Ship Mode (Memory Clear)]

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

Procedure:

- Press button to turn the set ON.
- Press three buttons , , and button simultaneously.
- After the "STANDBY" display blinks six times, a message "LOCK" is displayed on the fluorescent indicator tube, and the CD ship mode is set.

[CD Service Mode]

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

Procedure:

1. Press  button to turn the set ON.
2. Select the function "CD".
3. Press three buttons , , and  simultaneously.
4. The CD service mode is selected.
5. With the CD in stop status, press  button to move the pickup to outside track, or press  button to inside track.
6. To exit from this mode, perform as follows:
 - 1) Move the pickup to the most inside track.
 - 2) Press  button to turn the set OFF.

Note:

- Always move the pickup to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
- Do not run the sled motor excessively, otherwise the gear can be chipped.

[VACS ON/OFF MODE]

- This mode is used to switch ON and OFF the VACS (Variable Attenuation Control System).

Procedure:

Press the three buttons ,  and  or  simultaneously.

[REPEAT 5 LIMIT OFF MODE]

- This mode is used to enable infinite repetitions.
Normally, the number of repetitions allowed is 5.

Procedure:

1. Press the  button to turn ON the power supply.
2. Set the function "CD".
3. Press the three buttons , , and  simultaneously.
4. Infinite repetitions is enabled.
5. This state is maintained (memorized) until COLD RESET is executed.

SECTION 4 MECHANICAL ADJUSTMENTS

Precaution

- Clean the following parts with a denatured alcohol-moistened swab:

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idlers
- Demagnetize the record/playback head with a head demagnetizer.
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

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

SECTION 5 ELECTRICAL ADJUSTMENTS

DECK SECTION

0 dB=0.775 V

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

• Test Tape

Tape	Signal	Used for
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment
P-4-L300	315 Hz, 0 dB	Level Adjustment

Record/Playback Head Azimuth Adjustment

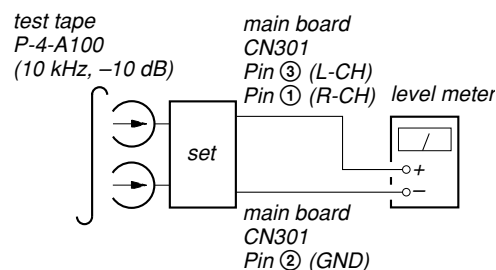
DECK A

DECK B

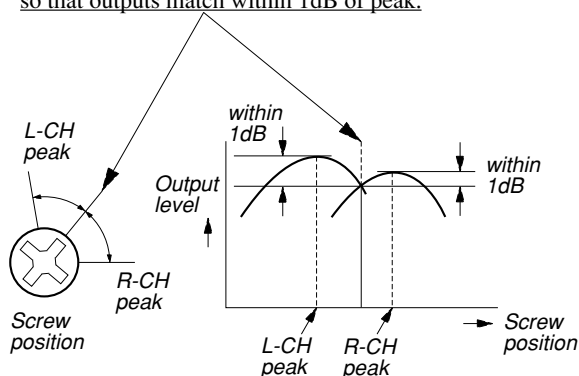
Note: Perform this adjustments for both decks

Procedure:

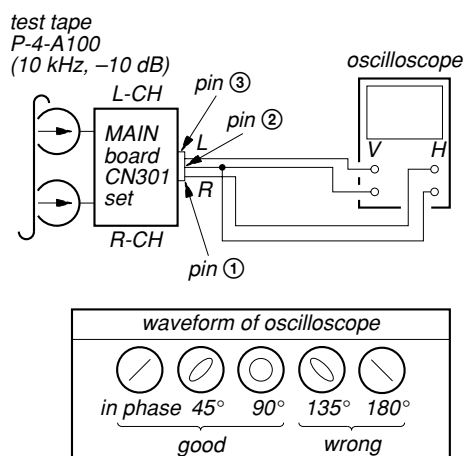
- Mode: Playback



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

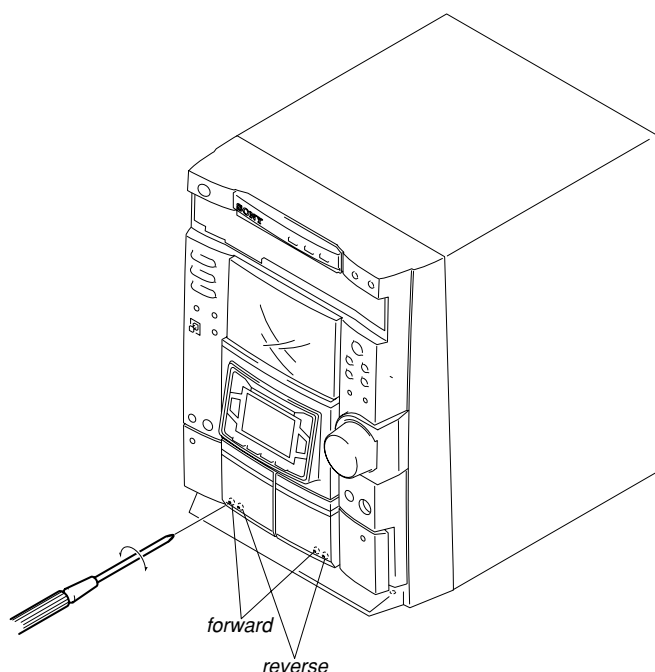


- Mode: Playback



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

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



Tape Speed Adjustment **DECK B**

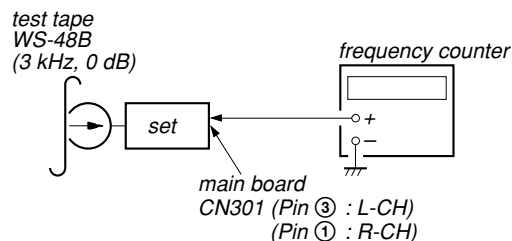
Note: Start the Tape Speed adjustment as below after setting to the test mode.

In the test mode, the tape speed is high during pressing the **CD SYNC HI-DUB** button.

Procedure:

- Turn the power switch on.
- Press the **■** button, **DISPLAY** button and **DISC 3** button simultaneously.
(Cursor segment flash on the FL display tube.)
To exit from the test mode, press the **I/⏻** button.

Mode: Playback



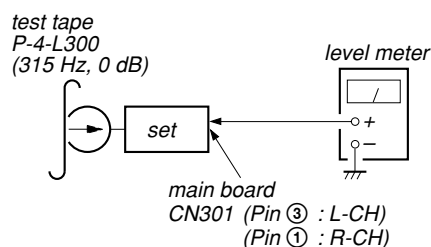
- Insert the WS-48B into the deck B.
- Press the **◀▶** button on the deck B.
- Press the **CD SYNC HI-DUB** button in playback mode.
Then at HIGH speed mode.
- Adjust RV1001 on the LEAF SW board so that frequency counter reads $6,000 \pm 30$ Hz.
- Press the **CD SYNC HI-DUB** button.
Then back to NORMAL speed mode.
- Adjust RV1002 on the LEAF SW board so that frequency counter reads $3,000 \pm 15$ Hz.

Adjustment Location: LEAF SW board

Playback level Adjustment **DECK A** **DECK B**

Procedure:

Mode: Playback



Deck A is RV302 (L-CH), Deck B is RV303 (L-CH) so that adjustment within adjustment level as follows.

Adjustment Level:

CN301 PB level: 334 to 375 mV ($-6.8 \text{ dB} \pm 0.5 \text{ dB}$) level
difference between the channels: within $\pm 0.5 \text{ dB}$

Adjustment Location: MAIN board

Sample Value of Wow and Flutter: 0.3% or less W. RMS
(WS-48B)

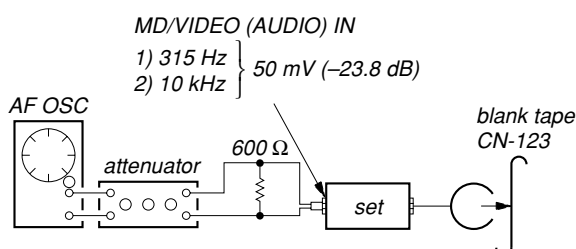
REC Bias Adjustment [DECK B]**Procedure:****INTRODUCTION**

When set to the test mode performed in Tape Speed Adjustment, when the tape is rewound after recording, the "REC memory mode" which rewinds only the recorded portion and playback is set.

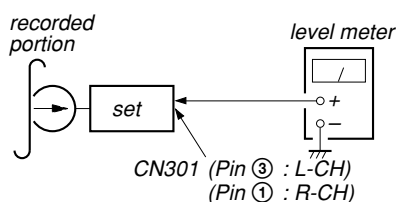
This "REC memory mode" is convenient for performing this adjustment. During recording, the input signal FUNCTION will automatically switch to VIDEO.

(If do not operation of stopped from recording complete, and rotette of shuttle knob then rewind to recording start position.)

1. Press **[MD (VIDEO)]** button to select VIDEO. (This step is not necessary if the above test mode has already been set.)
2. Insert a tape into deck B.
3. After press **[REC PAUSE/START]** button, press **[REC PAUSE/START]** button, then recording start.
4. Mode: Record



5. Mode: Playback



6. Confirm playback the signal recorded in step 3 become adjustable level as follows.
If these levels do not adjustable level, adjustment the RV304 (L-CH) and RV354 (R-CH) on the AUDIO board to repeat steps 4 and 5.

Adjustable level: Playback output of 315 Hz to playback output of 10 kHz: ± 1.0 dB

Adjustment Location: MAIN board

REC Level Adjustment [DECK B]**Procedure:****INTRODUCTION**

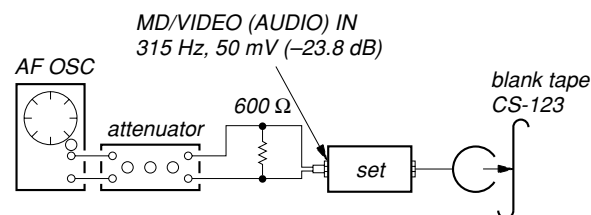
When set to the test mode performed in Tape Speed Adjustment, when the tape is rewound after recording, the "REC memory mode" which rewinds only the recorded portion and playback is set.

This "REC memory mode" is convenient for performing this adjustment. During recording, the input signal FUNCTION will automatically switch to VIDEO.

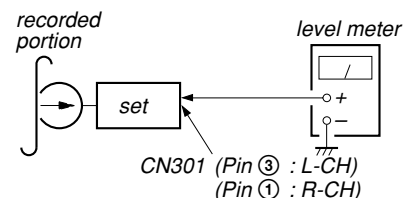
(If do not operation of stopped from recording complete, and rotate of shuttle knob then rewind to recording start position.)

1. Press **[MD (VIDEO)]** button to select VIDEO. (This step is not necessary if the above test mode has already been set.)
2. Insert a tape into deck B.
3. After press **[REC PAUSE/START]** button, press **[REC PAUSE/START]** button, then recording start.

4. Mode: Record



5. Mode: Playback



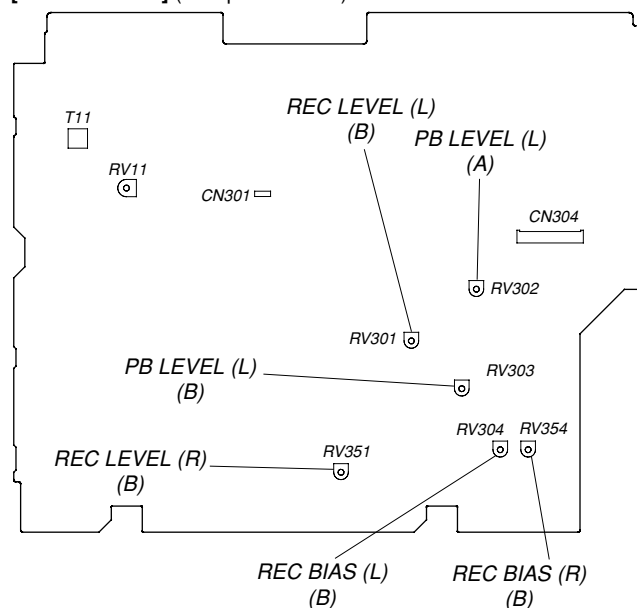
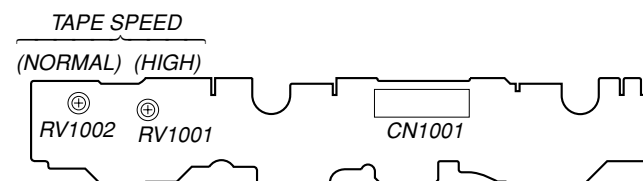
6. Confirm playback the signal recorded in step 3 become adjustable level as follows.

If these levels do not adjustable level, adjustment the RV301 (L-CH) and RV351 (R-CH) on the MAIN board to repeat steps 4 and 5.

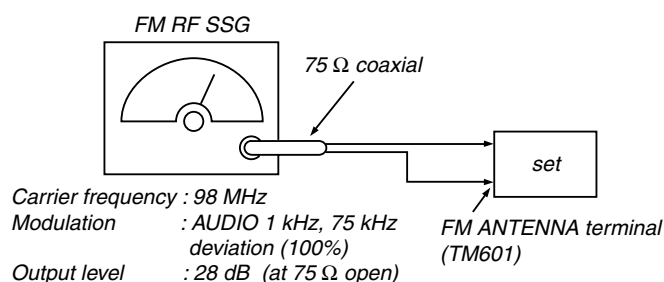
Adjustable level:

CN301 PB level: 33.4 to 37.5 mV (-27.3 to -26.3 dB)

Adjustment Location: MAIN board

[MAIN BOARD] (Component Side)**[LEAF SW BOARD] (Component Side)**

FM Tuned Level Adjustment

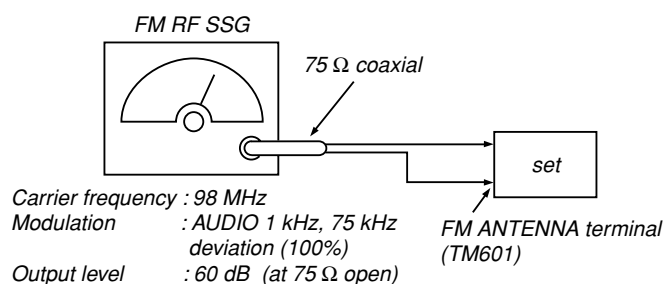


Procedure:

1. Supply a 28 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust RV11 to the point (moment) when the TUNED indicator will change from going off to going on.

Adjustment Location: MAIN board

Null Adjustment



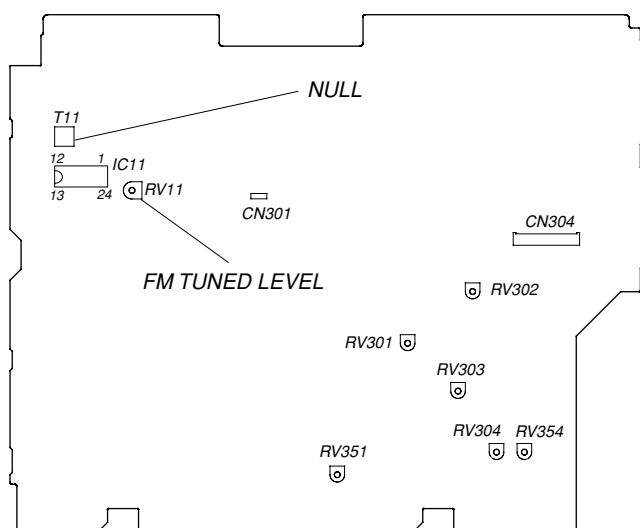
Procedure:

1. Supply a 60 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Measure voltage between pin 22 and pin 3 of IC 11. Adjust T11 until the voltage becomes 0 V.

Adjustment Location: MAIN board

Adjustment Location

[MAIN BOARD] Component side

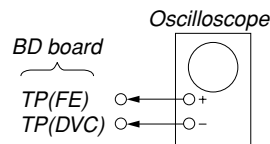


CD SECTION

Note :

1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use LUV-P01 (4-999-032-01) 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.

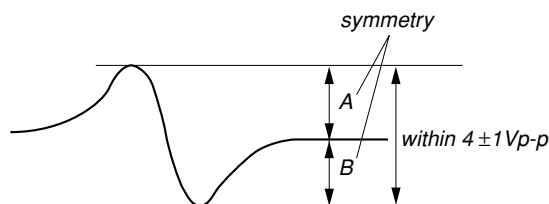
S-Curve Check



Procedure :

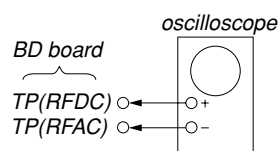
1. Connect oscilloscope to TP (FE).
2. Connect between TP (FE) and TP (DVC (≒ 1.65 V) by lead wire.
3. Turn Power switch on.
4. Load a disc (LUV-P01) and actuate the focus search. (In consequence of open and close the disc tray, actuate the focus search)
5. Confirm that the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 2 ± 0.5 Vp-p.

S-curve waveform



6. After check, remove the lead wire connected in step 2.
- 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.

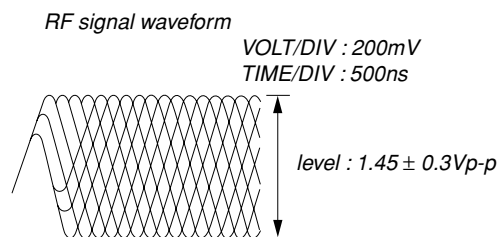
RF Level Check



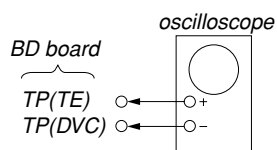
Procedure :

1. Connect oscilloscope to TP2 (RFDC) and TP1 (RFAC).
2. Turned Power switch on.
3. Load a disc (LUV-P01) and playback.
4. Confirm that oscilloscope waveform is clear and check 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.

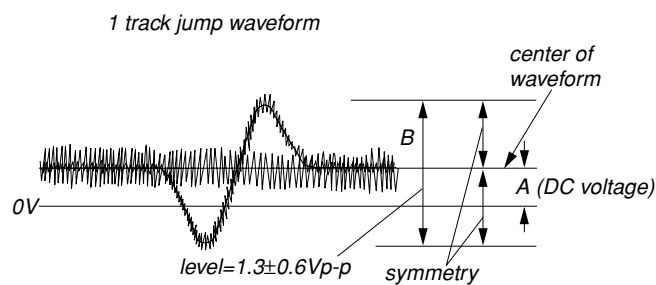


E-F Balance (1 Track jump) Check



Procedure:

1. Connect oscilloscope to TP (TE) and TP (DVC) board.
2. Turned Power switch on.
3. Load a disc (LUV-P01) and playback the number nine track.
4. Press the  button. (Becomes the 1track jump mode.)
5. Confirm that the level B and A (DC voltage) on the oscilloscope waveform.

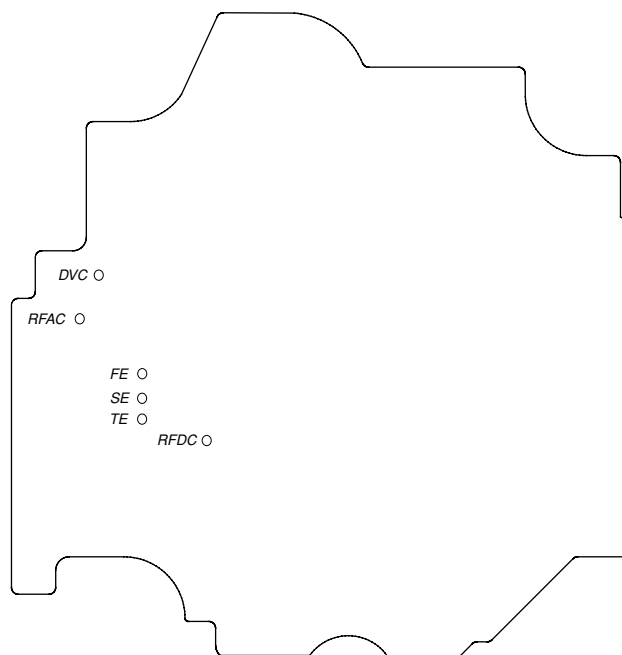


Specified level: $\frac{A}{B} \times 100 = \text{less than } \pm 22\%$

6. Adjust RV101 so that A (DC voltage) becomes 0.

Checking Location:

[BD BOARD]



SECTION 6 DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.

(In addition to this, the necessary note is printed in each block.)

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 $1/4\text{ W}$ or less unless otherwise specified.
- $\triangle$: internal component.
- : 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.

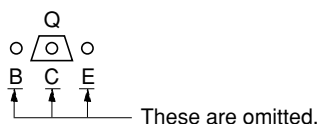
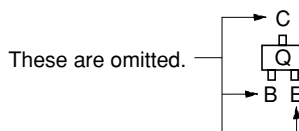
Note:

Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

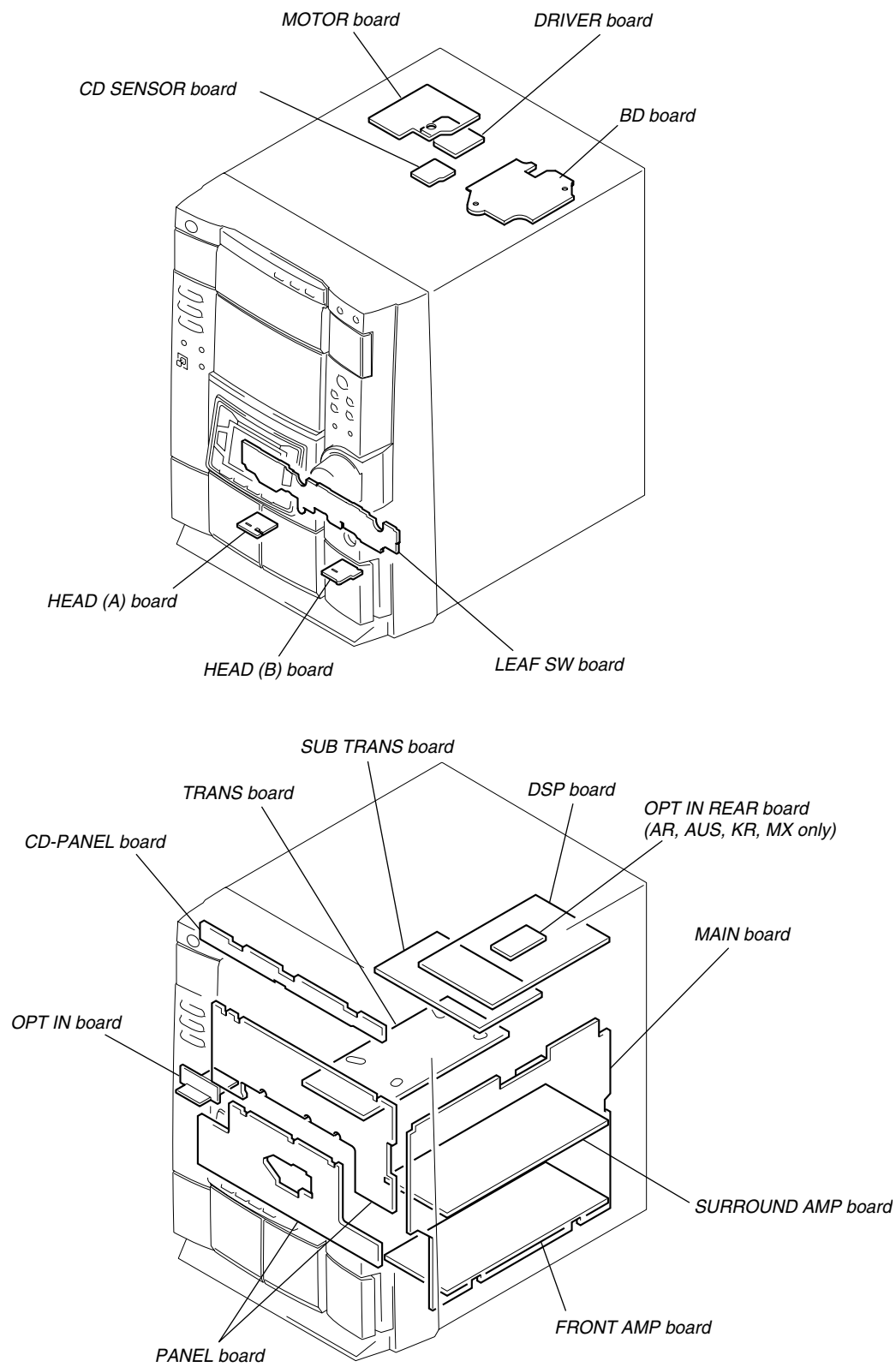
- — : B+ Line.
- --- : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance $10\text{ M}\Omega$).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ⇨ : FM
 - ➡ : AM
 - Σ : PB (DECK A)
 - : PB (DECK B)
 - ▢ : REC (DECK B)
 - ⇨⇨ : digital out
 - ⇨⇨⇨ : MD (VIDEO)
- Abbreviation
 - CND : Canadian model
 - MX : Mexican model
 - KR : Korea model
 - AR : Argentine model
 - AUS : Australian model

Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : Pattern from the side which enables seeing.
- Indication of transistor.

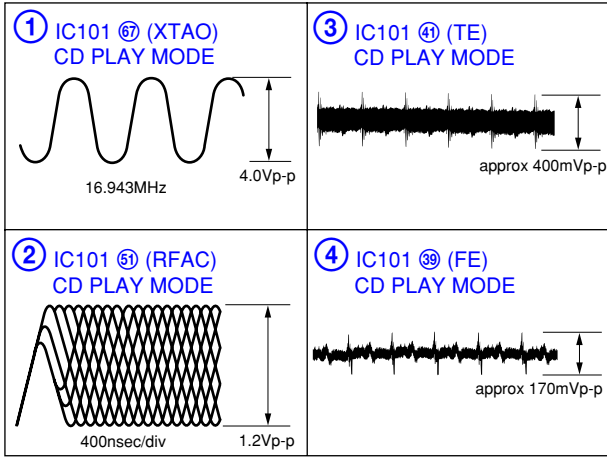


6-1. CIRCUIT BOARD LOCATION

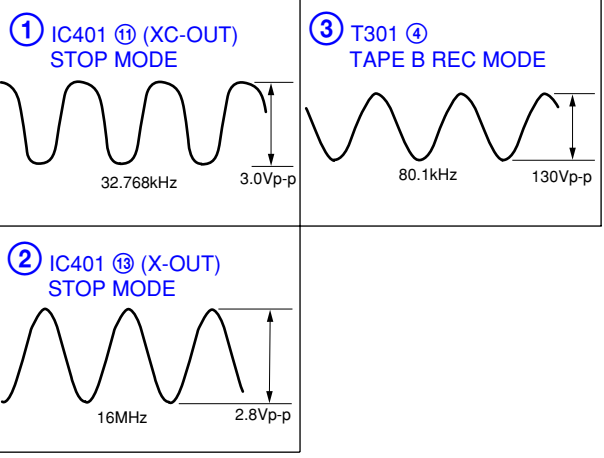


• WAVEFORMS

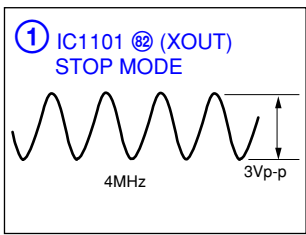
– BD BOARD –



– MAIN BOARD –



– PANEL BOARD –

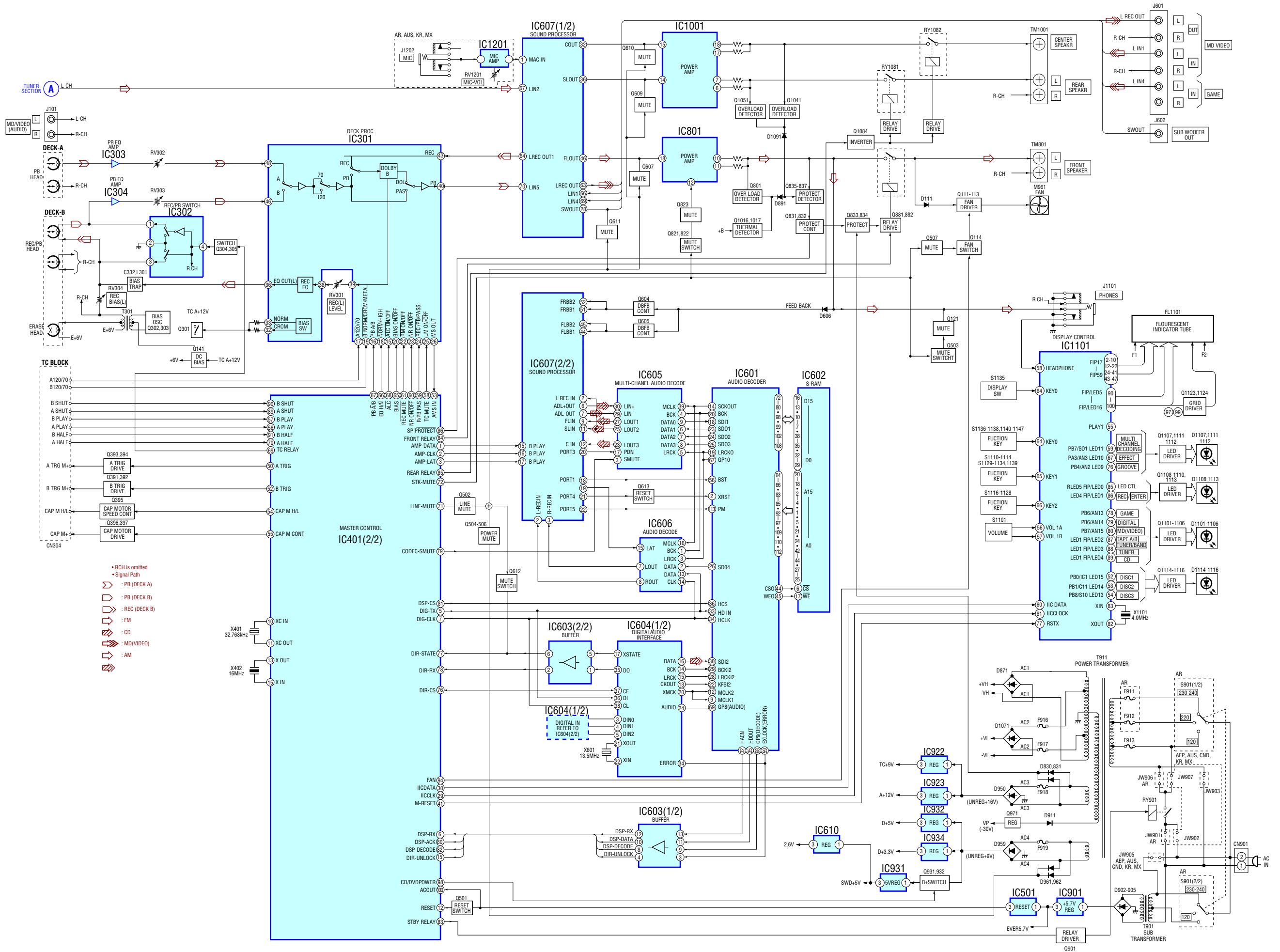


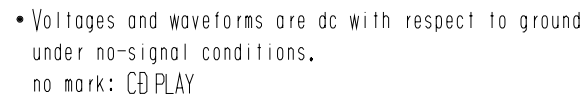
6-2. BLOCK DIAGRAMS

– TUNER/CD SECTION –

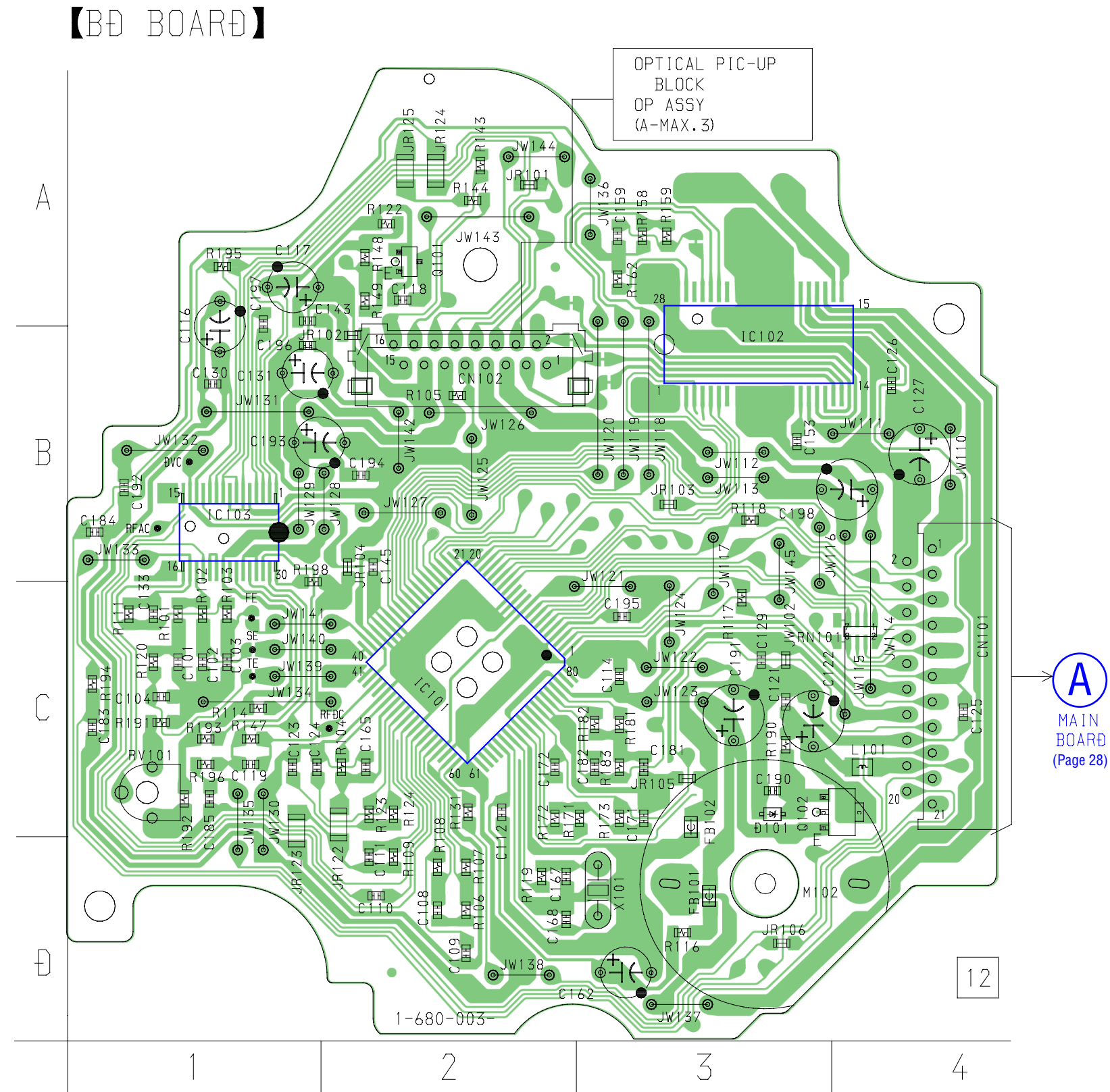


— MAIN SECTION —





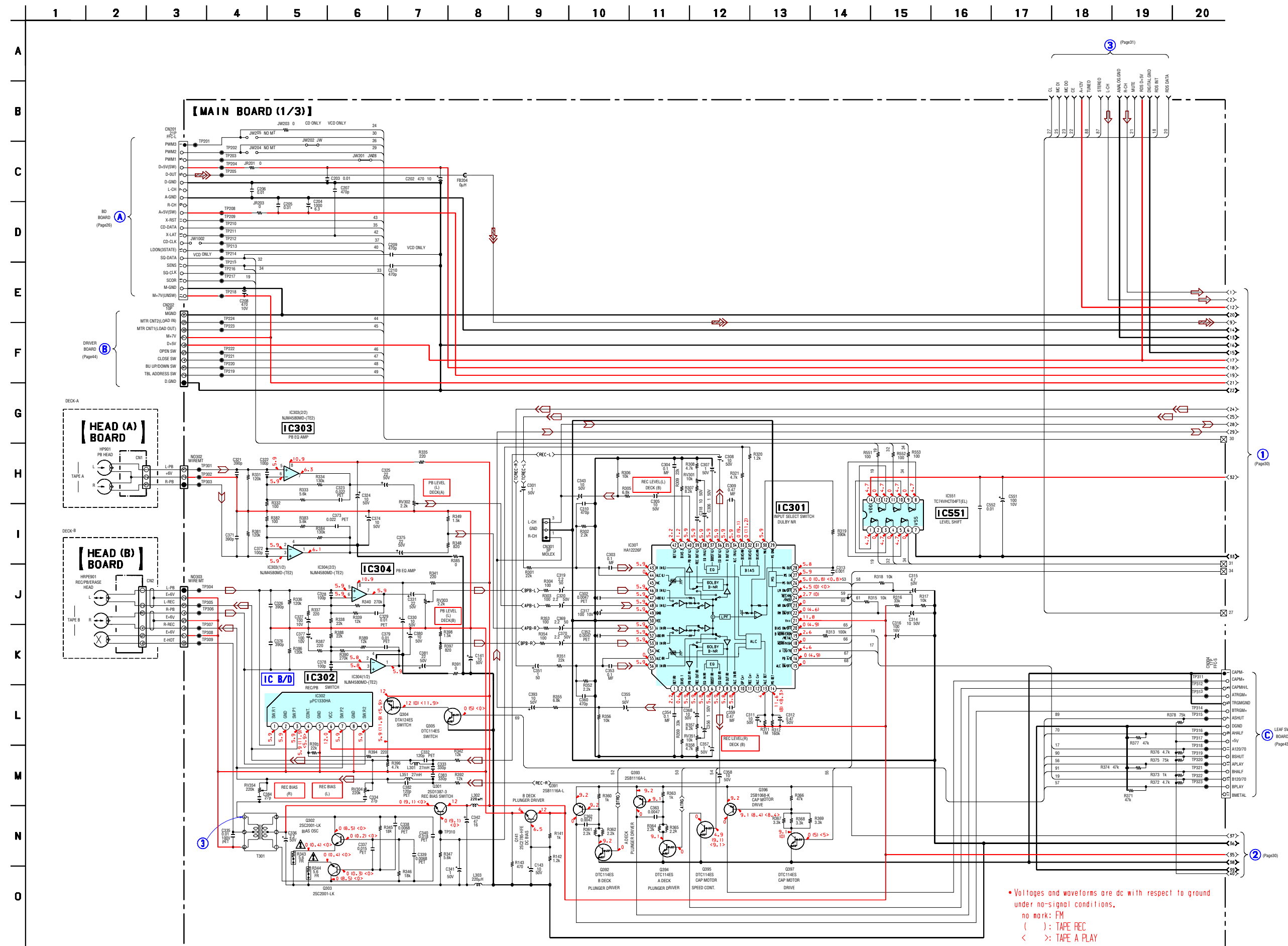
6-4. PRINTED WIRING BOARD – BD SECTION – • See page 23 for Circuit Boards Location.



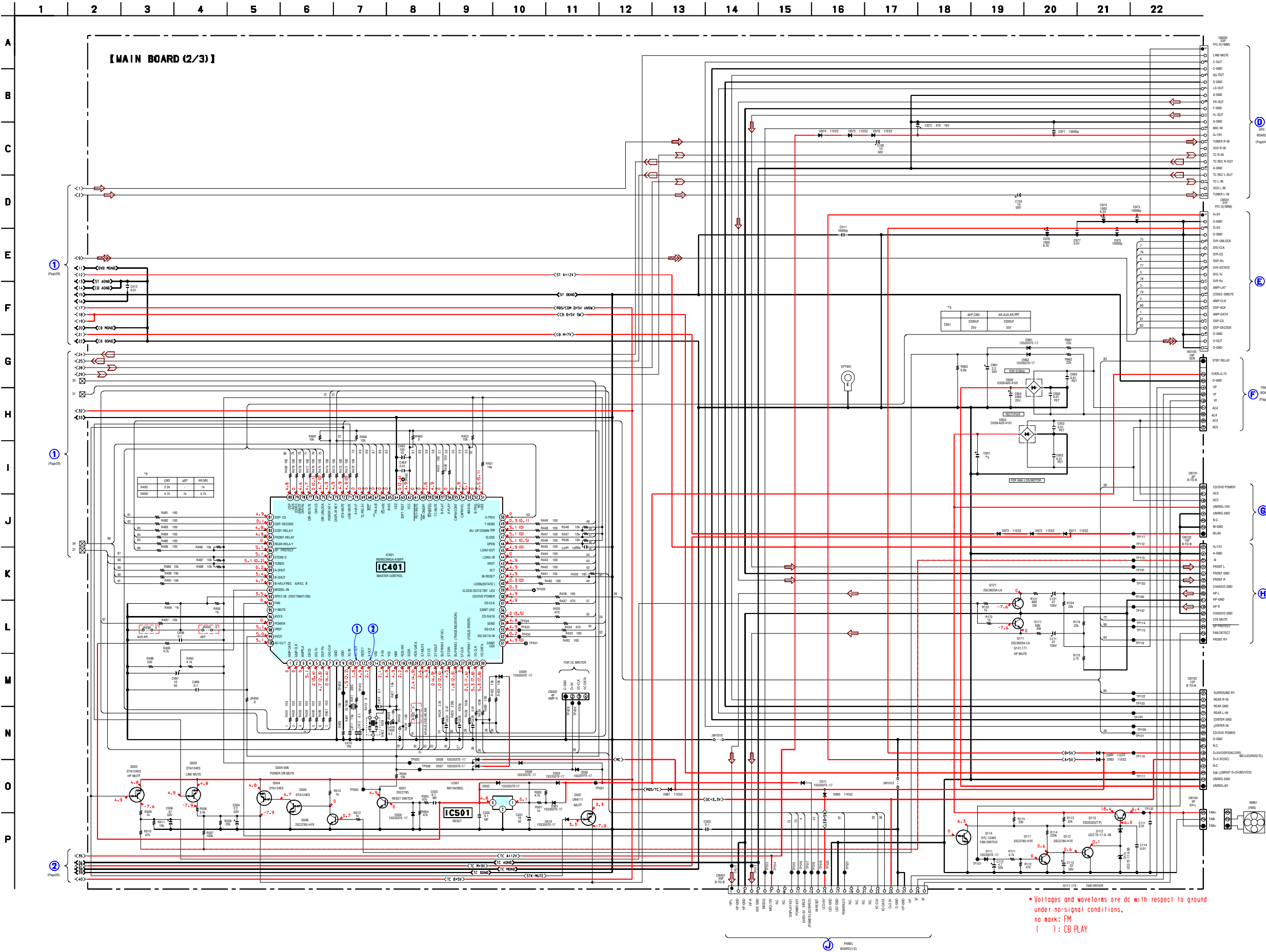
• Semiconductor
Location

Ref. No.	Location
D101	C-3
IC101	C-2
IC102	A-3
IC103	B-1
Q101	A-2
Q102	C-3

6-6. SCHEMATIC DIAGRAM – MAIN (1/3) SECTION – • See page 23 for Waveforms. • See page 55 for IC Block Diagrams.

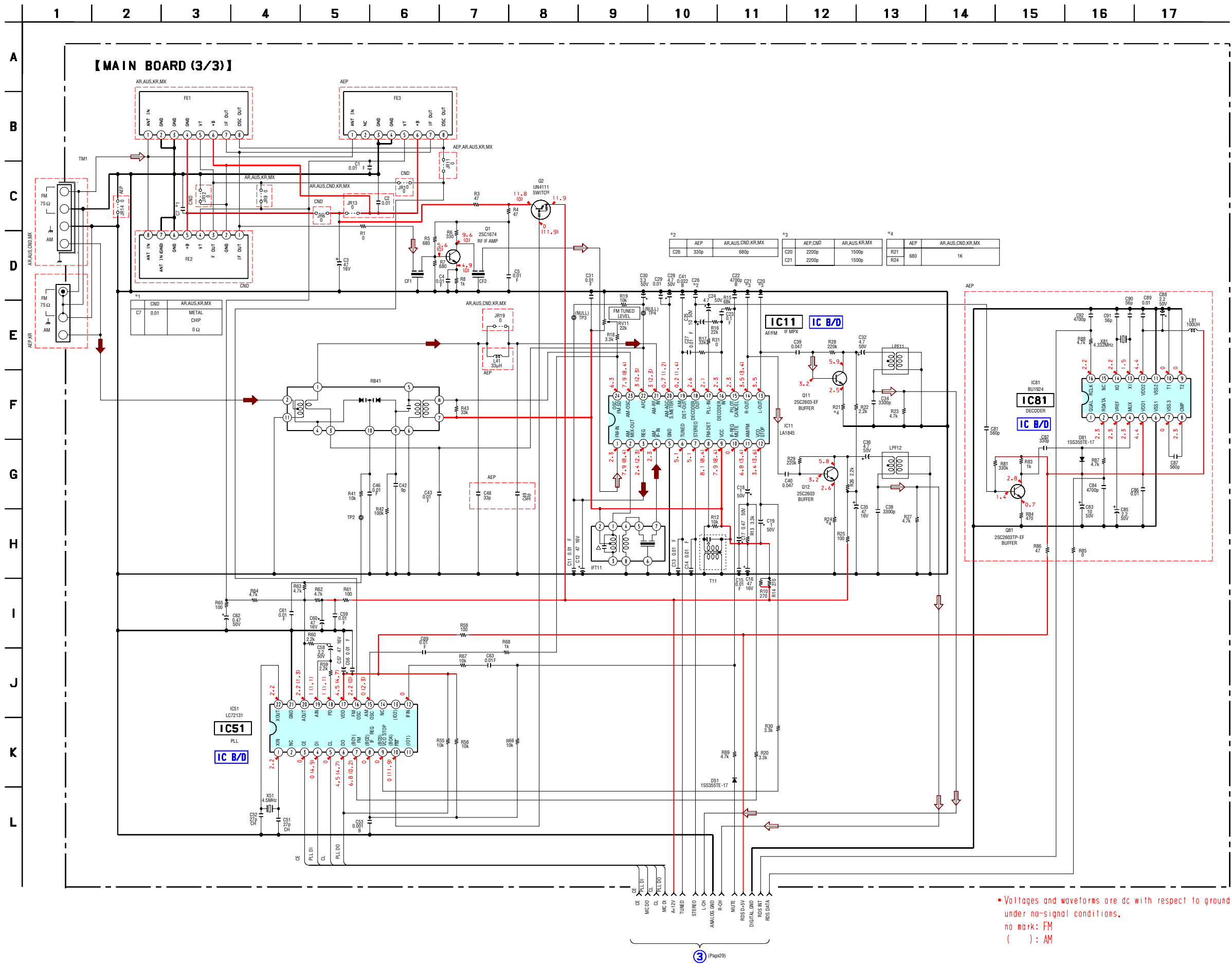


6-7. SCHEMATIC DIAGRAM – MAIN (2/3) SECTION – • See page 23 for Waveforms. • See page 49 for IC Pin Function.



• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: FM
(): CD PLAY

6-8. SCHEMATIC DIAGRAM – MAIN (3/3) SECTION – • See page 55, 56 for IC Block Diagrams.

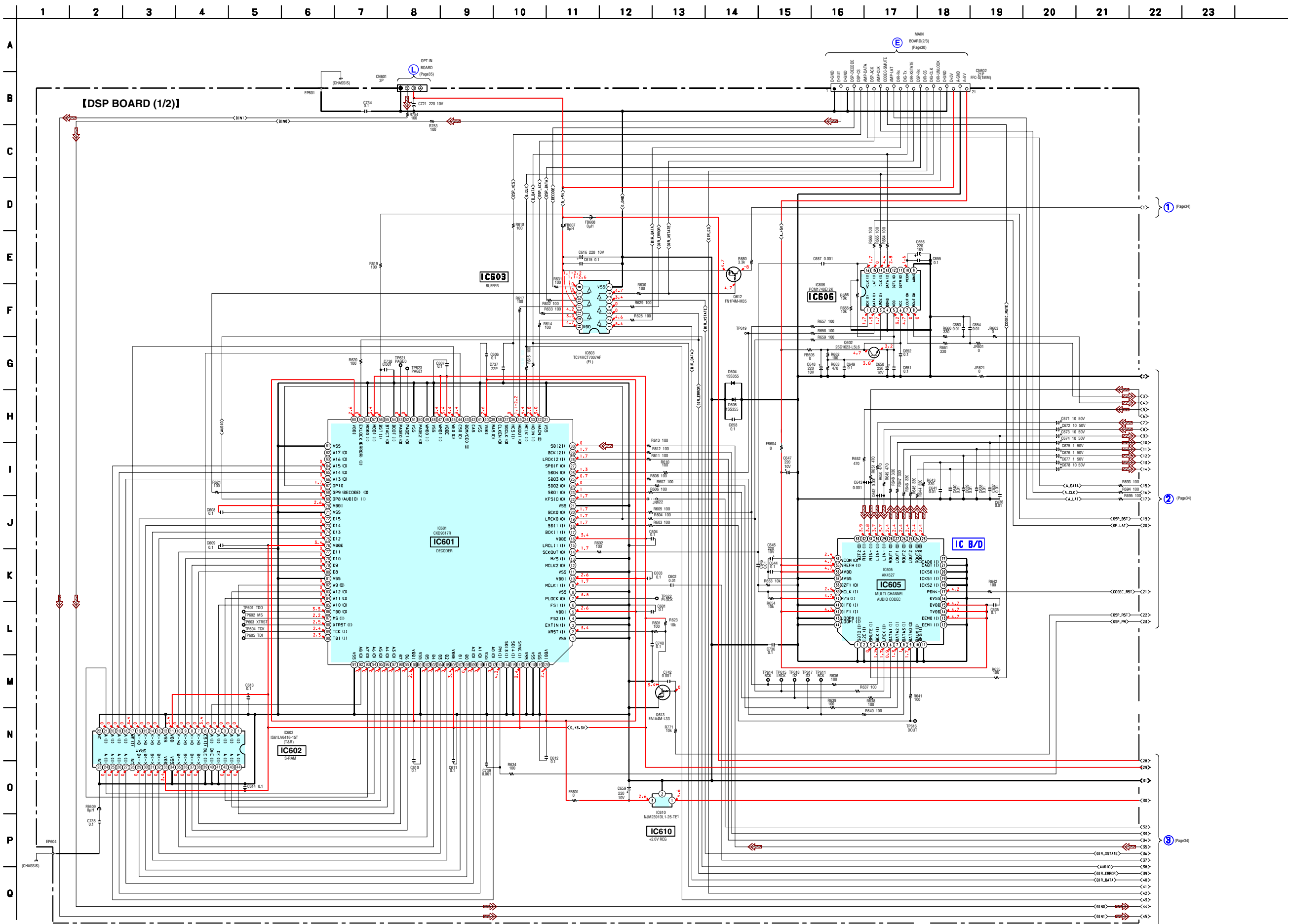


6-9. PRINTED WIRING BOARD – DSP SECTION – • See page 23 for Circuit Boards Location.

Ref. No.	Location
D607	D-4
D608	D-4
D609	D-4
D610	D-4
IC601	A-2
IC603	A-4
IC604	C-2
IC605	B-3
IC607	C-5
IC608	D-2

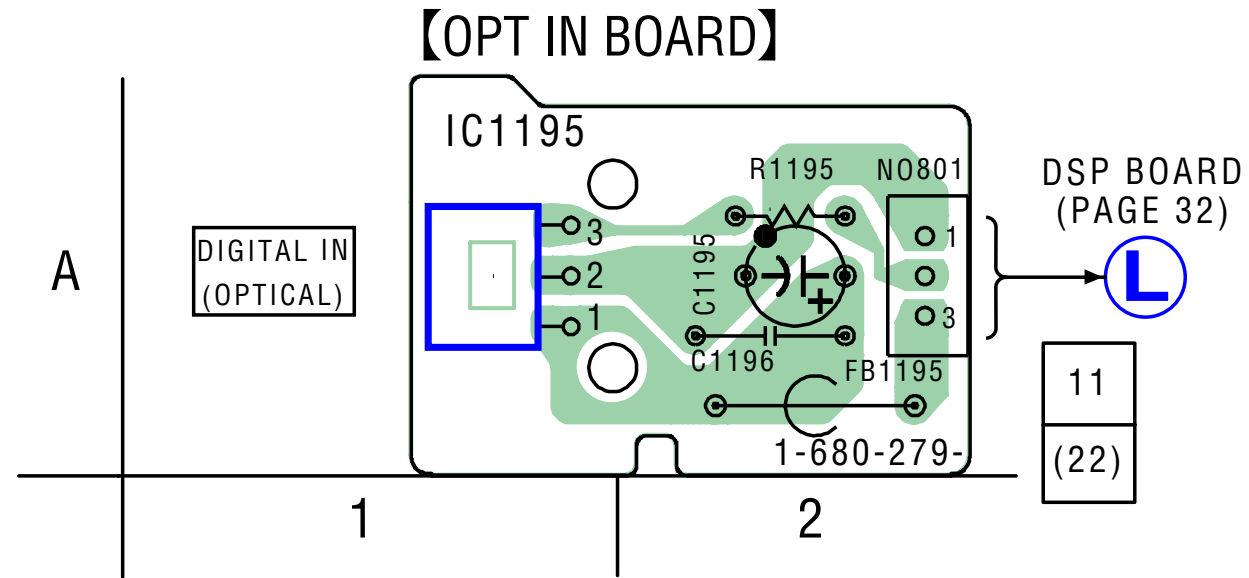
Ref. No.	Location
D601	C-6
D604	B-5
D605	B-5
D606	D-2
IC602	A-6
IC606	B-4
IC609	A-7
IC610	B-6
Q601	C-6
Q602	A-3
Q603	B-2
Q604	D-4
Q605	D-5
Q606	C-2
Q607	D-2
Q608	C-4
Q609	C-3
Q610	C-3
Q611	D-6
Q612	A-4
Q613	C-5

6-10. SCHEMATIC DIAGRAM – DSP (1/2) SECTION – • See page 57 for IC Block Diagrams. • See page 52 for IC Pin Function.

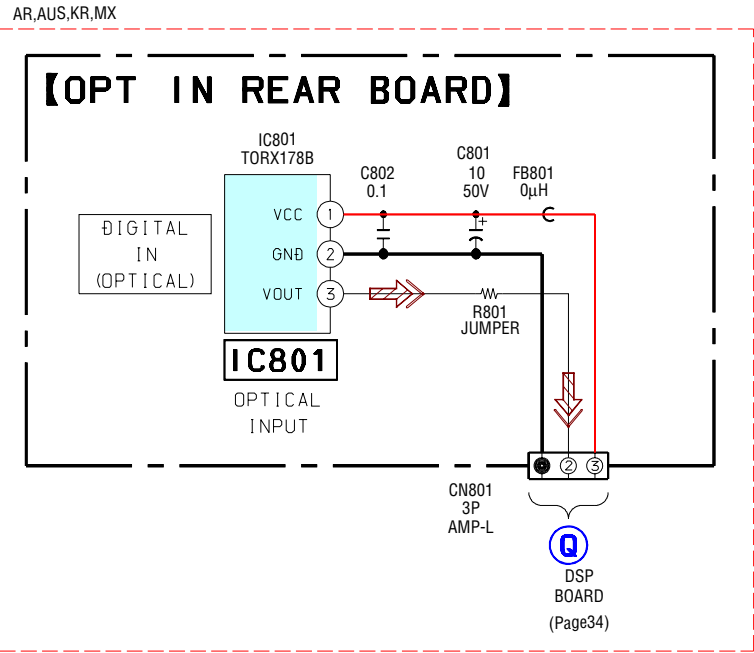
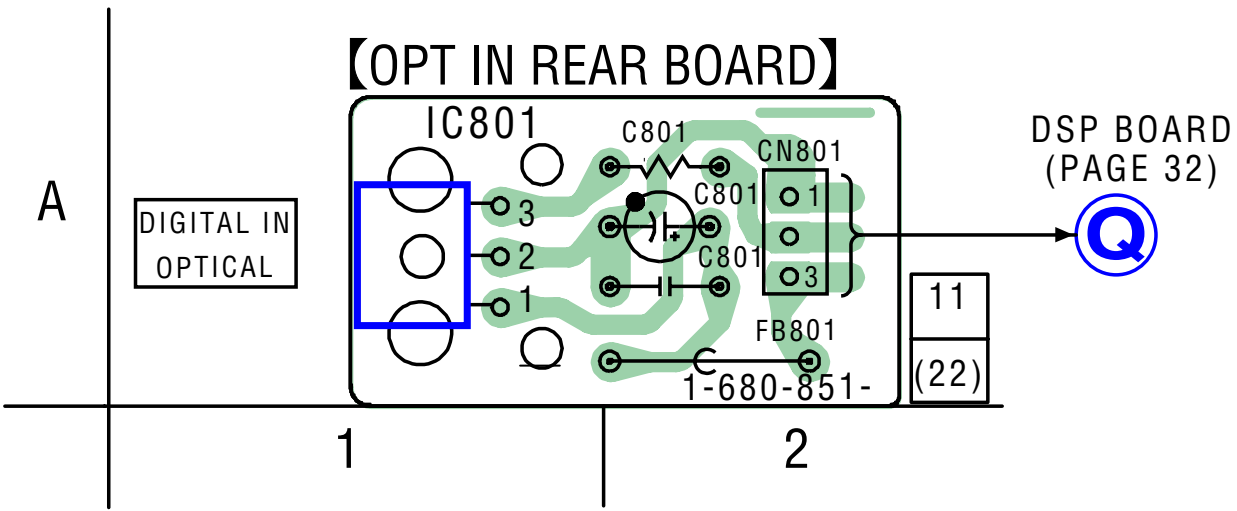
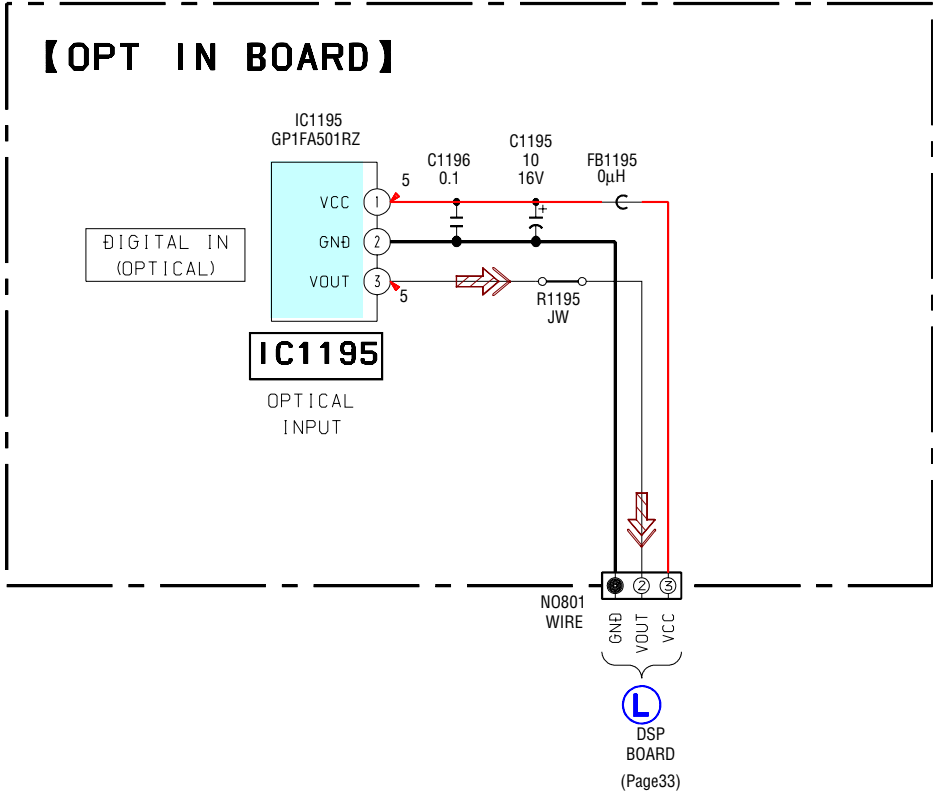




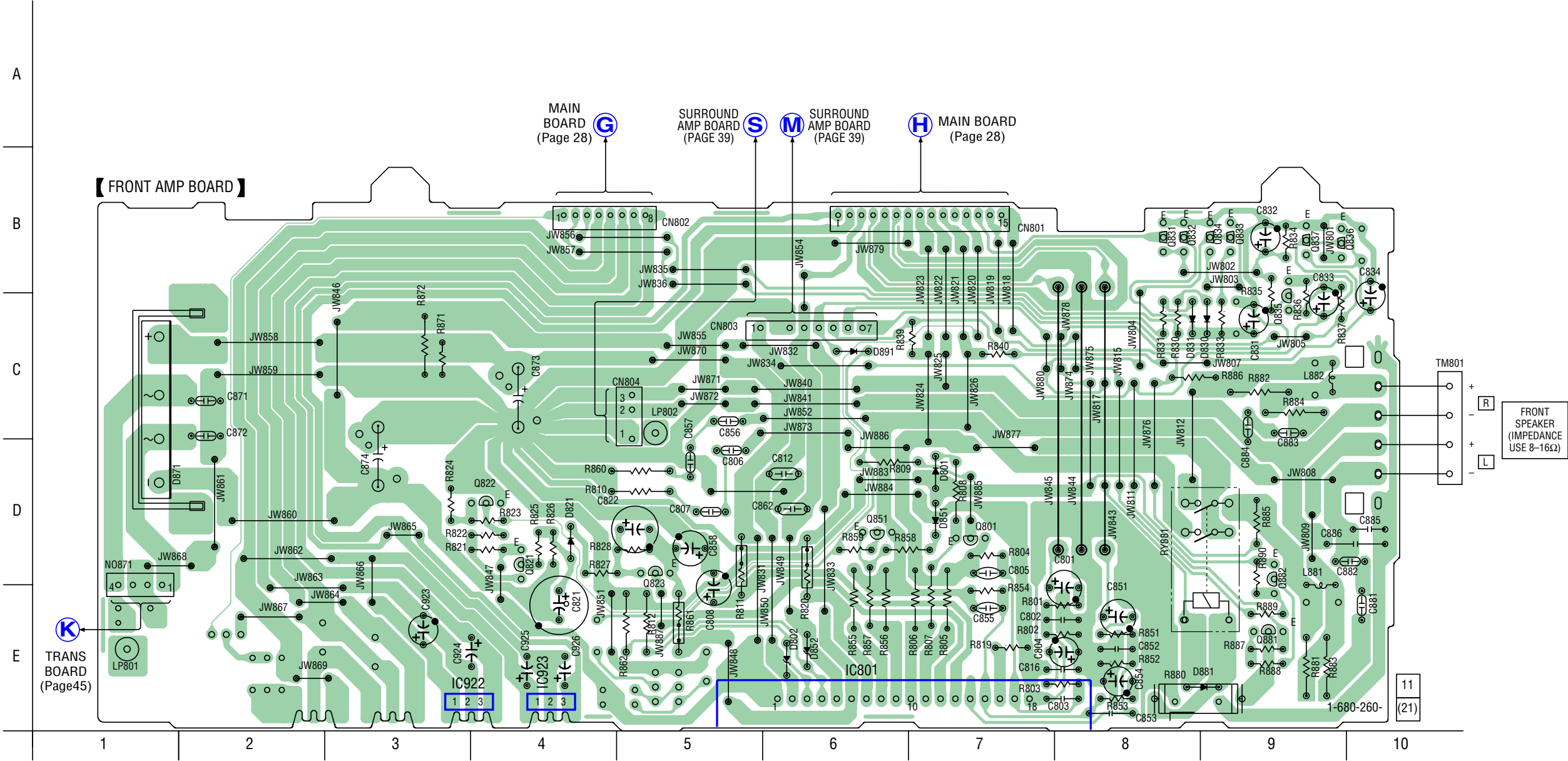
6-12. PRINTED WIRING BOARD – OPT SECTION – • See page 23 for Circuit Boards Location.



6-13. SCHEMATIC DIAGRAM – OPT SECTION –



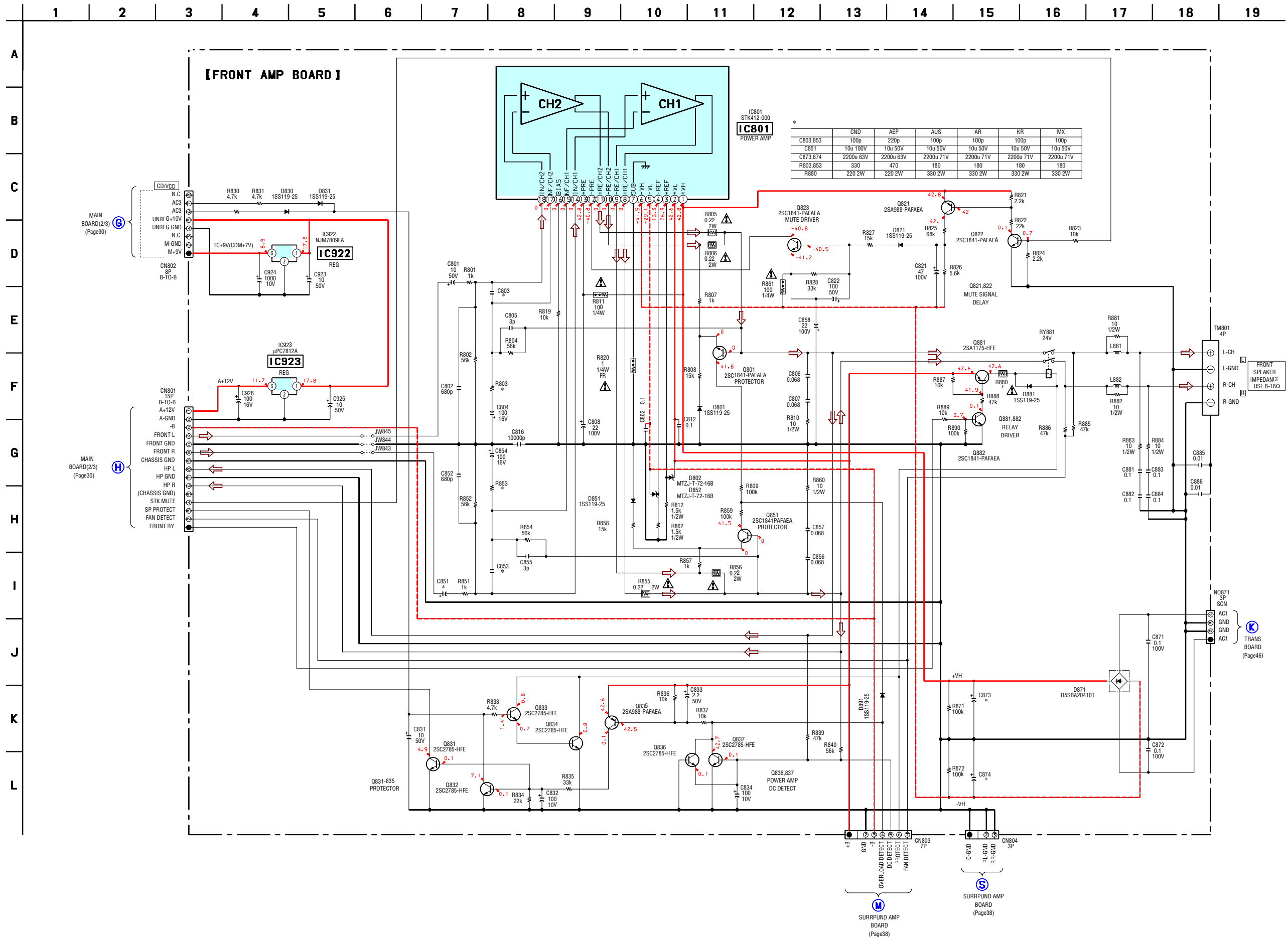
6-14. PRINTED WIRING BOARD – FRONT AMP SECTION – • See page 23 for Circuit Boards Location.



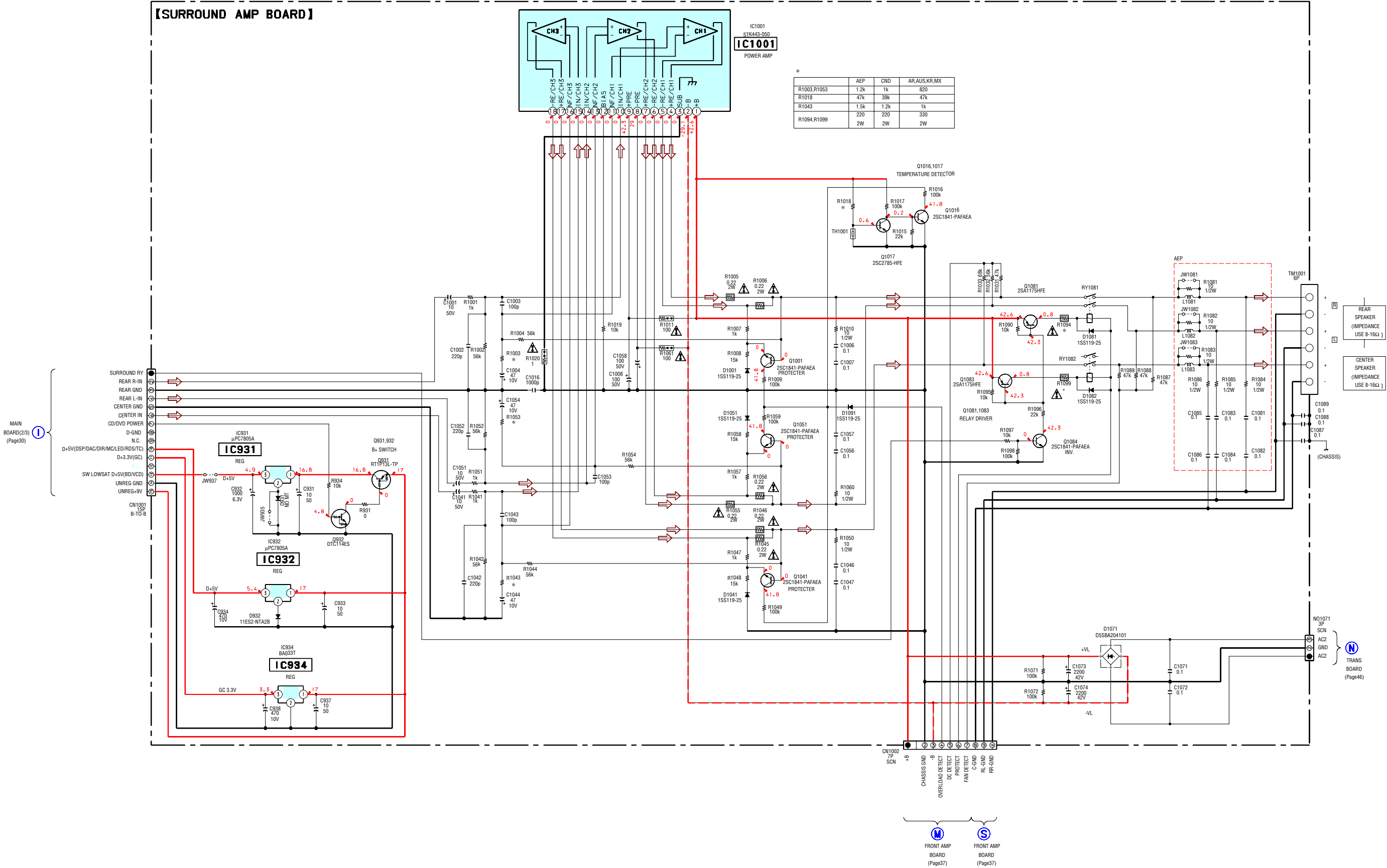
• Semiconductor Location

Ref. No.	Location
D801	D-7
D802	E-6
D821	D-4
D830	C-9
D831	C-8
D851	D-7
D852	D-6
D871	C-1
D881	E-9
D891	C-6
IC801	E-6
IC922	E-4
IC923	E-4
Q801	D-7
Q821	D-4
Q822	D-4
Q823	D-5
Q831	B-8
Q832	B-8
Q833	B-9
Q834	B-9
Q835	C-9
Q836	B-9
Q837	B-9
Q851	D-6
Q881	E-9
Q882	D-9

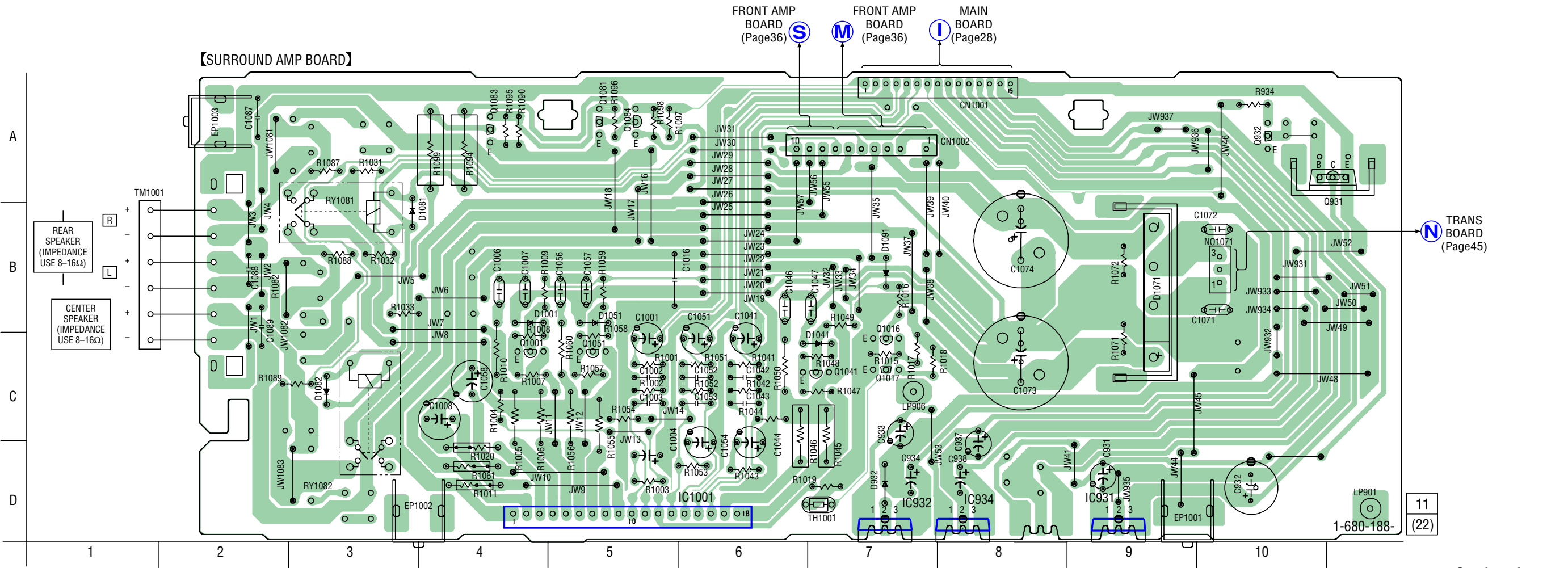
6-15. SCHEMATIC DIAGRAM – FRONT AMP SECTION –



6-16. SCHEMATIC DIAGRAM – SURROUND AMP SECTION –



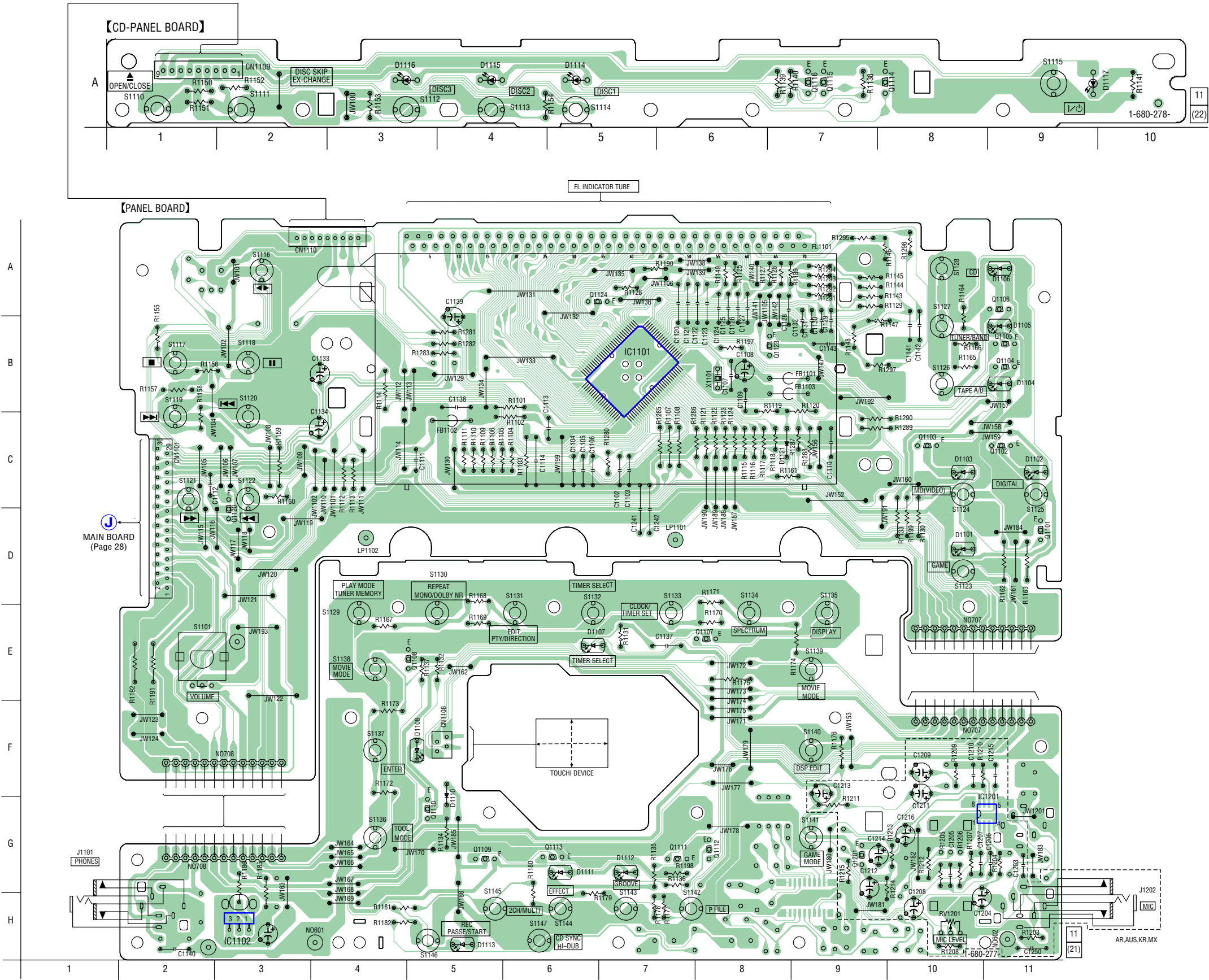
6-17. PRINTED WIRING BOARD – SURROUND AMP SECTION – • See page 23 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location
D932	D-7
D1001	B-4
D1041	C-7
D1051	B-5
D1071	B-9
D1081	B-4
D1082	C-3
D1091	B-7
IC1001	D-5
IC931	D-9
IC932	D-7
IC934	D-8
Q931	A-10
Q932	A-10
Q1001	C-4
Q1016	C-7
Q1017	C-7
Q1041	C-7
Q1051	C-5
Q1081	A-5
Q1083	A-4
Q1084	A-5

6-18. PRINTED WIRING BOARD – PANEL SECTION – • See page 23 for Circuit Boards Location.



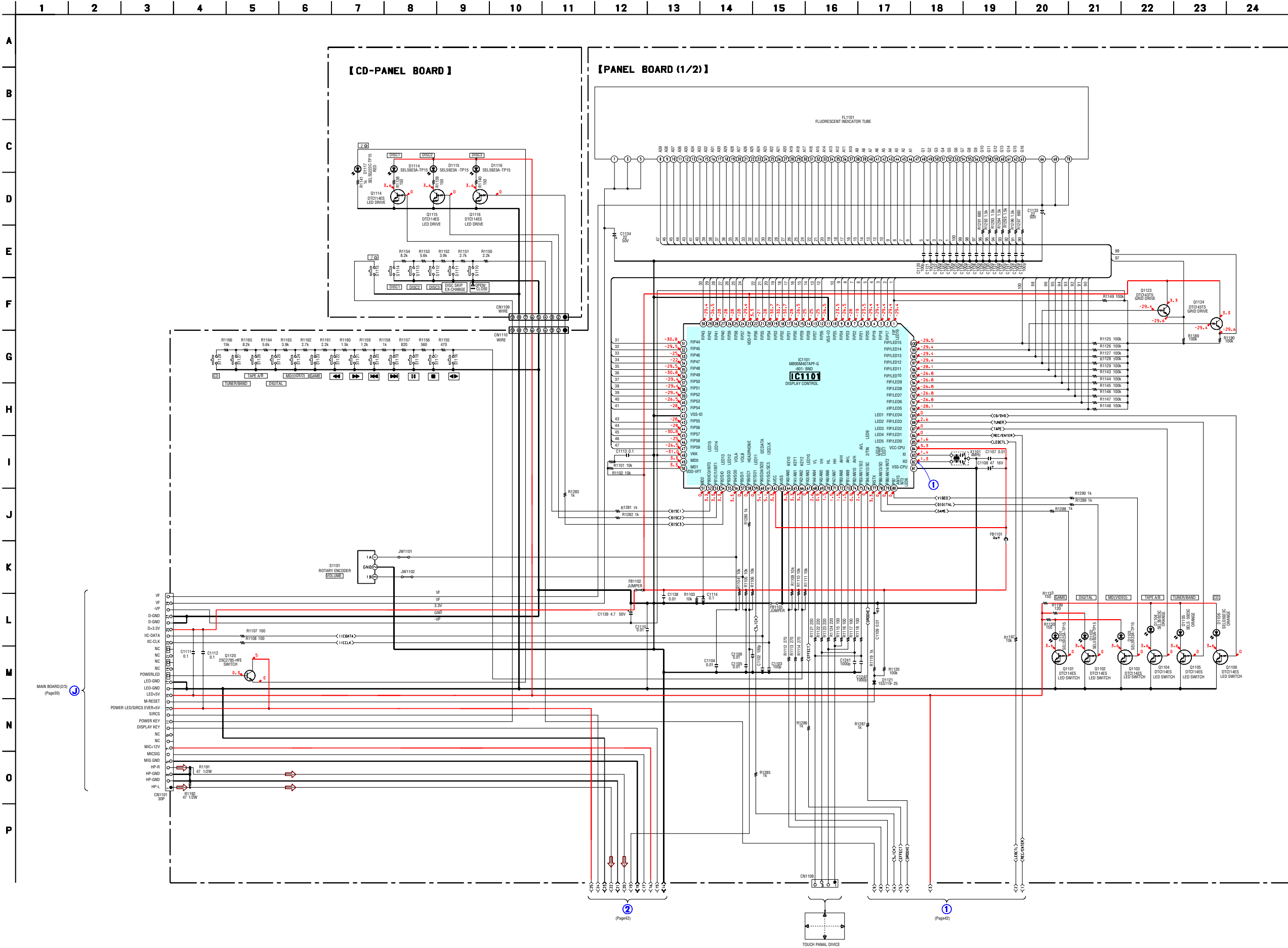
• Semiconductor Location

Ref. No.	Location
D1114	A-5
D1115	A-4
D1116	A-3
D1117	A-9
Q1114	A-8
Q1115	A-7
Q1116	A-7

• Semiconductor Location

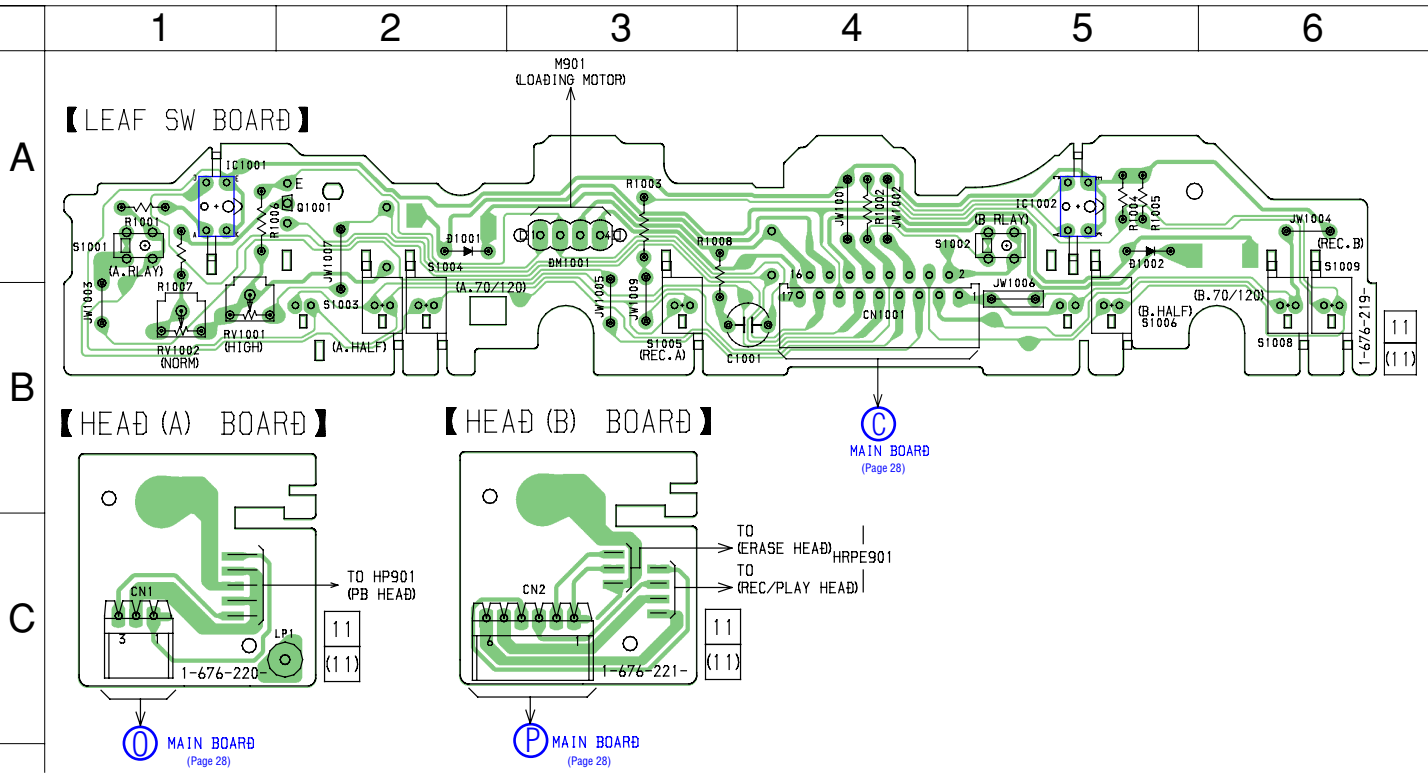
Ref. No.	Location
D1101	D-10
D1102	C-11
D1103	C-10
D1104	B-11
D1105	B-11
D1106	A-11
D1107	E-6
D1108	F-5
D1110	G-5
D1111	G-6
D1112	G-7
D1113	H-5
D1121	C-8
IC1101	B-7
IC1102	H-3
IC1201	G-11
Q1101	D-11
Q1102	C-11
Q1103	C-10
Q1104	B-11
Q1105	B-11
Q1106	A-11
Q1107	E-8
Q1108	E-5
Q1109	G-5
Q1110	G-5
Q1111	G-7
Q1112	G-8
Q1113	G-6
Q1120	D-3
Q1123	B-8
Q1124	A-6
Q1201	G-9

6-19. SCHEMATIC DIAGRAM – PANEL (1/2) SECTION – • See page 23 for Waveforms. • See page 51 for IC Pin Function.





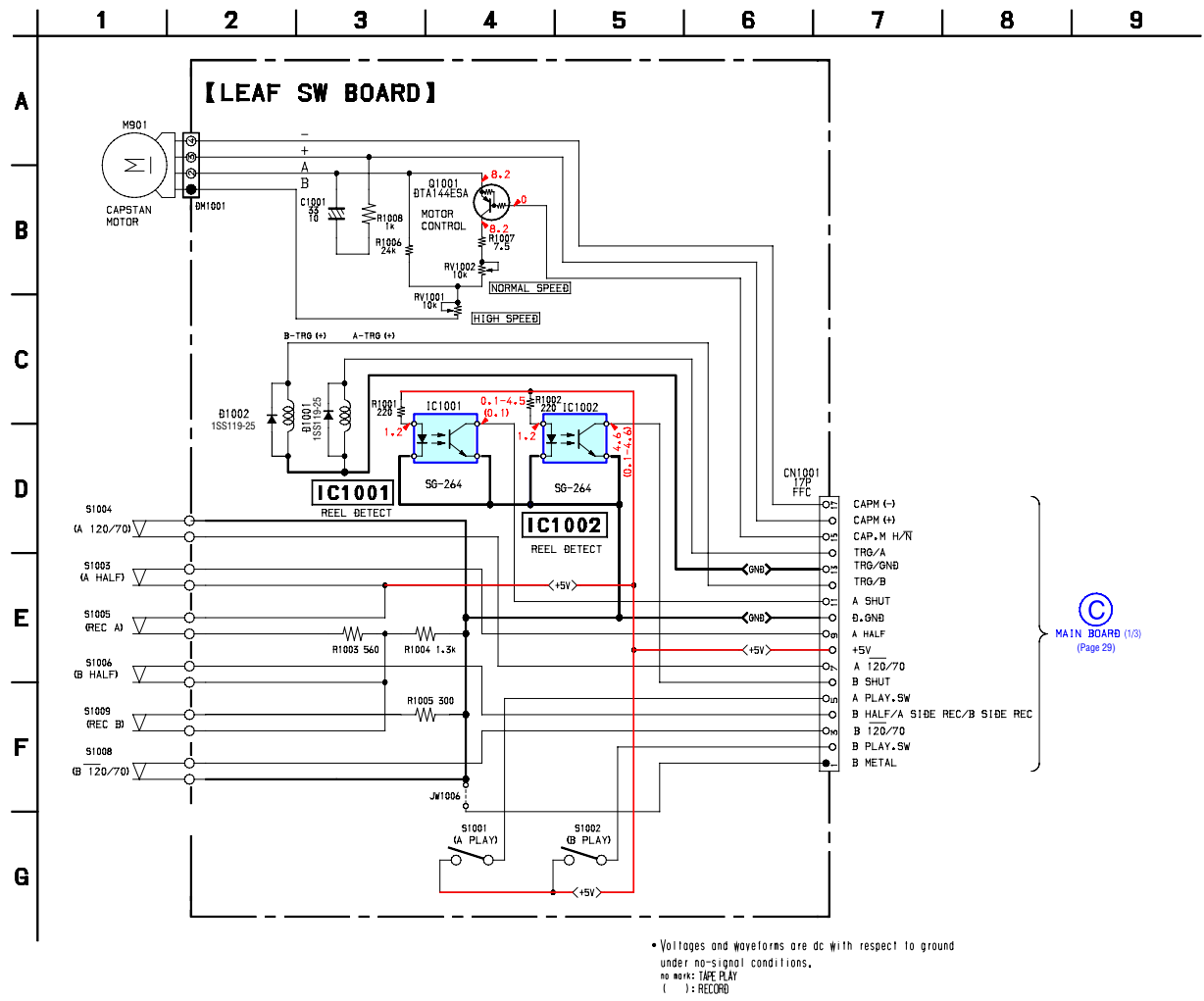
6-21. PRINTED WIRING BOARD – LEAF SW SECTION – • See page 23 for Circuit Boards Location.



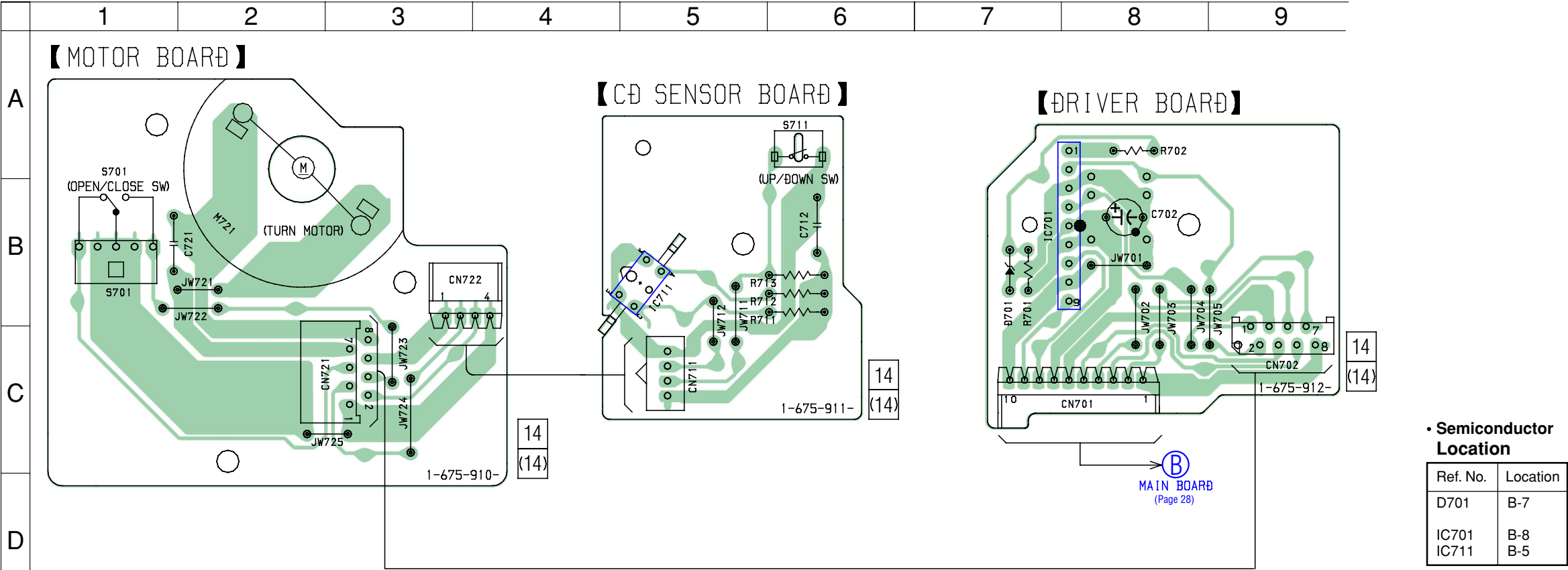
• Semiconductor Location

Ref. No.	Location
D1001	A-2
D1002	A-5
IC1001	A-1
IC1002	A-5
Q1001	A-2

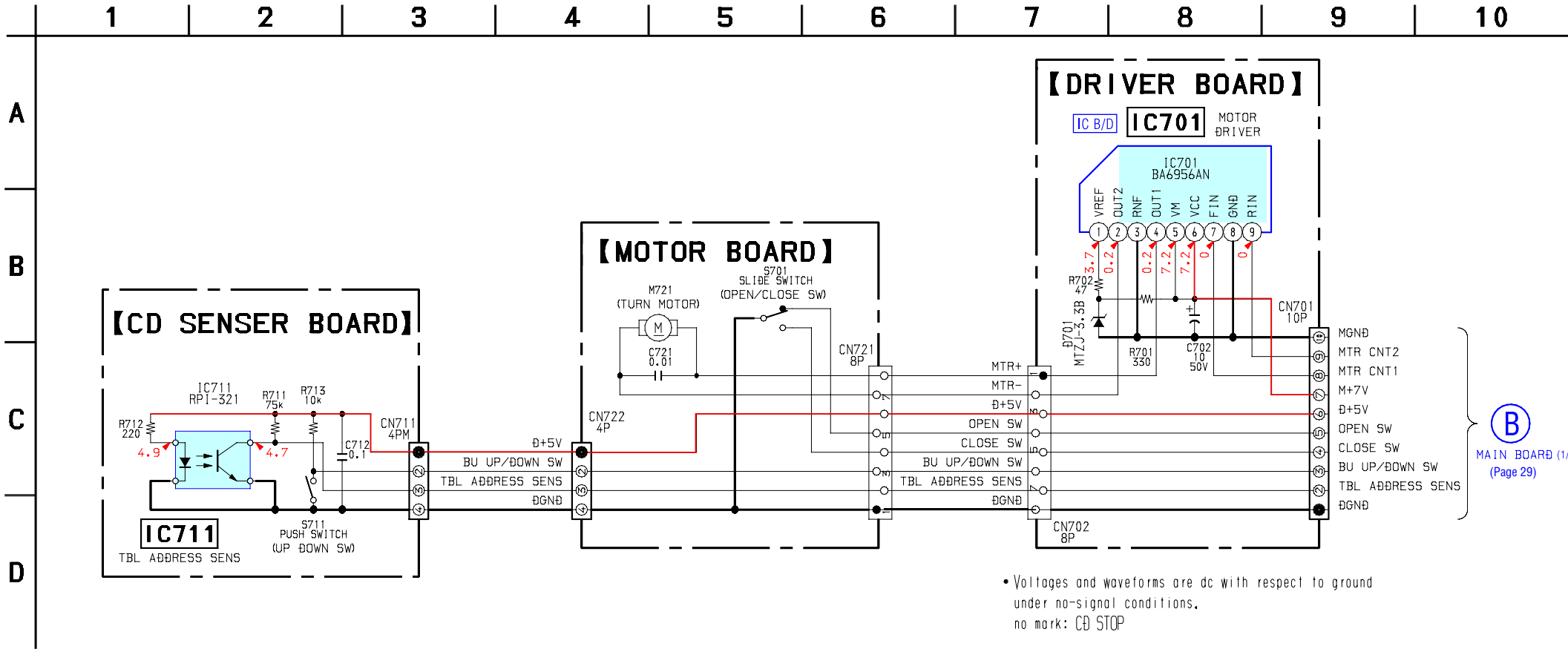
6-22. SCHEMATIC DIAGRAM – LEAF SW SECTION –



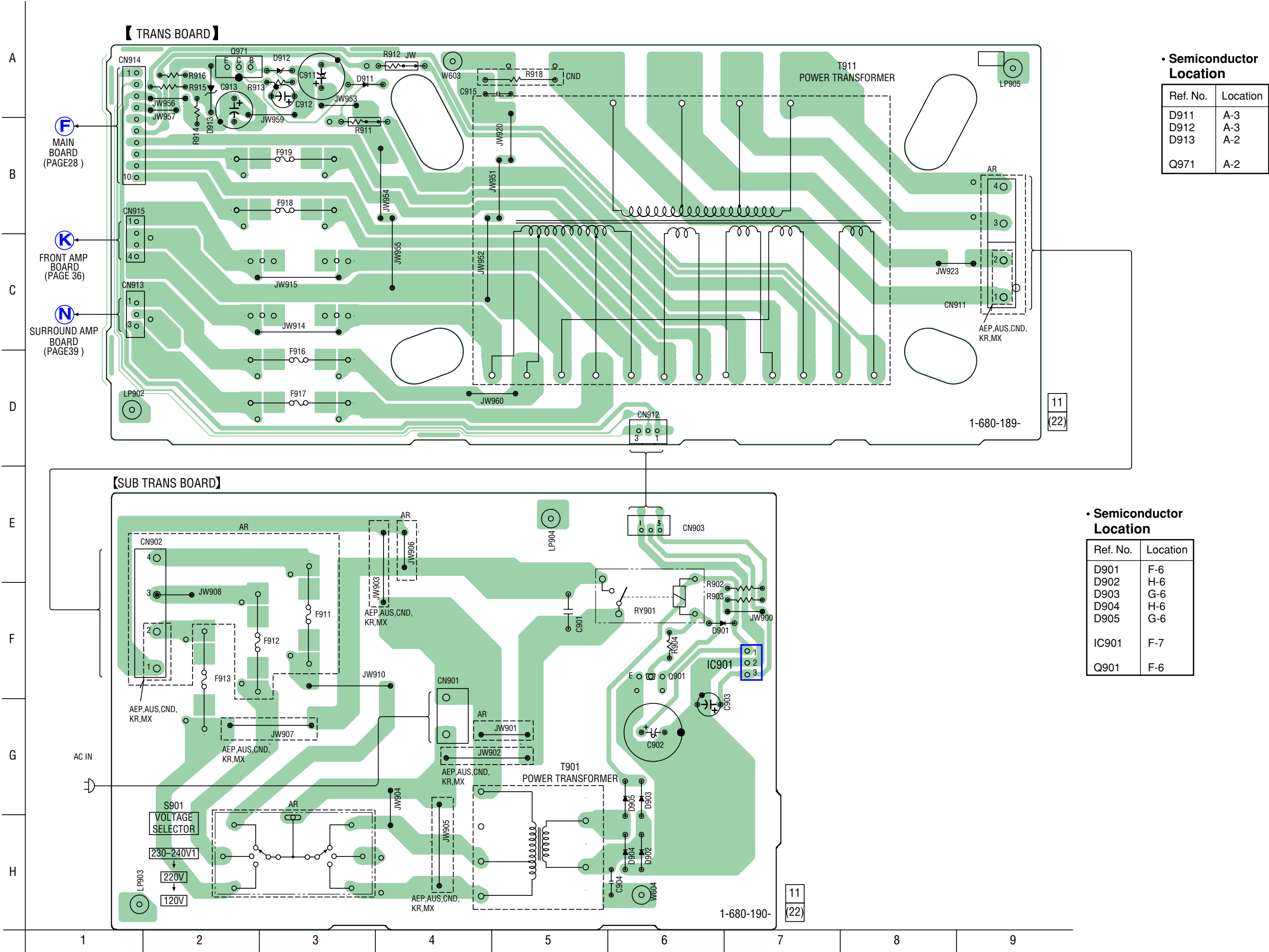
6-23. PRINTED WIRING BOARD – DRIVER SECTION – • See page 23 for Circuit Boards Location.



6-24. SCHEMATIC DIAGRAM – DRIVER SECTION – • See page 57 for IC Block Diagrams.



6-25. PRINTED WIRING BOARD – TRANS SECTION – • See page 23 for Circuit Boards Location.





6-27. IC PIN FUNCTIONS

• IC101 DIGITAL SIGNAL PROCESSOR (CXD3017Q) (BD Board)

Pin No.	Pin Name	I/O	Function
1	SOSQ	O	Sub-Q serial output.
2	SQCK	I	Clock input for SQSO read-out
3	XRST	I	System reset.
4	SYSM	I	Muting input.
5	DATA	I	Serial data input, supplied from CPU.
6	XLAT	I	Latch input, supplied from CPU.
7	CLOK	I	Serial data transfer clock input, supplied from CPU.
8	SENS	O	SENS output.
9	SCLK	I	SENS serial data read-out clock.
10	VDD	I	Power supply.
11	ATSK	—	Input pin for anti-shock (Ground)
12	SPOA	—	Ground.
13	SPOB	—	Ground.
14	XLON	O	Not used.
15	WFON	O	Not used.
16	XUGF	O	Not used.
17	XPCK	O	Not used.
18	GFS	O	Not used.
19	2SPO	O	Not used.
20	SCOR	O	Sub-code sync output.
21	COUT	I/O	Not used.
22	MIRR	I/O	Not used.
23	DFCT	I/O	Not used.
24	FOK	I/O	Not used.
25	LOCK	I/O	Not used.
26	MDP	O	Output to control spindle motor servo.
27	SSTP	I	Input signal to detect disc inner most trak.
28	SFDR	O	Sled drive output.
29	SRDR	O	Sled drive output.
30	TFDR	O	Tracking drive output.
31	TRDR	O	Tracking drive output.
32	FFDR	O	Focus drive output.
33	FRDR	O	Focus drive output.
34	VSS	—	Ground.
35	TEST	I	TEST pin connected normally ground.
36	TES1	I	TEST pin connected normally ground.
37	XTSL	I	X'tal selection circuit input.
38	VC	I	Center voltage input.
39	FE	I	FOCUS error signal input.
40	SE	I	Sled error signal input.
41	TE	I	Tracking error signal input.
42	CE	I	Center servo analog input.
43	RFDC	I	RF signal input.
44	ADIO	O	Not used.
45	AVSS0	—	Analog ground.
46	IGEN	I	Power supply pin operational amplifiers.
47	AVDDO	I	Analog power supply.
48	ASYO	O	EFM full swing output.
49	ASYI	I	Asymmetry comparator voltage input.
50	BIAS	I	Asymmetry circuit constant current input.
51	RFAC	I	EFM signal input.
52	AVSS3	—	Analog ground.

Pin No.	Pin Name	I/O	Function
53	CLTV	I	Control voltage input for master VCO.
54	FILO	O	Filter output for master PLL.
55	FILI	I	Filter input for master PLL.
56	PCO	O	Charge-pump output for master PLL.
57	AVDD3	I	Analog power supply.
58	VSS	—	Ground.
59	VDD	I	Power supply.
60	DOUT	O	Not used.
61	LRCK	O	Not used.
62	PCMD	O	Not used.
63	BCK	O	Not used.
64	EMPH	O	Not used.
65	XVDD	I	Master clock power supply.
66	XTAI	I	X'tal oscillator circuit input.
67	XTAO	O	X'tal oscillator circuit output.
68	XVSS	—	Master clock ground.
69	AVDD1	I	Analog power supply.
70	AOUT1	O	Lch : Analog output.
71	AIN1	I	Lch : OPAMP input.
72	LOUT1	O	Lch : LINE output
73	AVSS1	—	Analog ground.
74	AVSS2	—	Analog ground.
75	LOUT2	O	Rch : LINE output.
76	AIN2	I	Rch : OPAMP input.
77	AOUT2	O	Rch : Analog output.
78	AVDD2	I	Analog power supply.
79	RMUT	O	Not used.
80	LMUT	O	Not used.

• IC401 MASTER CONTROL (M30622MGA-A36FP) (MAIN Board (2/3))

Pin No.	Pin Name	I/O	Function
1	AMP-DATA	O	Amp data signal output
2	AMP-CLK	O	Amp clock signal output
3	AMP-LAT	O	Amp latch signal output
4	SIRCS	I	Remote commander signal input
5	DIG-Tx	O	Digital common Tx signal output
6	DSP-Rx	I	DSP Rx signal input
7	DIG-CLK	O	Digital common clock signal output
8	GND	—	Ground
9	GND	—	Ground
10	Xcin	I	Sub clock input (32.768kHz)
11	Xcout	O	Sub clock output (32.768kHz)
12	RESET	I	System reset signal input
13	Xout	O	Main system clock output (16MHz)
14	Vss	—	Ground
15	Xin	I	Main system clock input (16MHz)
16	Vcc	I	Power supply (EVER+5V)
17	NMI	I	Not used (PULL UP EVER +5V)
18	RDS-INT	I	RDS interrupt signal input
19	SCOR	I	CD Q-data request signal input
20	RDS-DATA	I	RDS data signal input
21	ST-MUTE	O	Tuner mute signal output
22	ST-CE	O	Tuner chip enable output
23	ST-DOUT	O	Tuner data output
24	BU PWM 3	O	BU PWM 3(RF dc) signal output
25	ST-DIN	I	Tuner data input
26	BU PWM 2	O	BU PWM 2(tracking error) signal output
27	ST-CLK	O	Tuner clock signal output
28	BU PWM 1	O	BU PWM 1(focus error) signal output
29	IIC_ CLK	O	IIC data bus reading clock (SCL signal)
30	IIC_ DATA	O	IIC data bus SDA signal
31	CANT USE	I	Not used
32	SQ-DATA-IN	I	CD data signal input
33	SQ-CLK	O	CD data clock signal output
34	SENS	I	BD Condition signal input (from CXD2587)
35	CD-DATA	O	CD data signal output
36	CAN:T USE	—	Not used
37	CD-CLK	O	CD clock signal output
38	CD-POWER	O	CD power on/off switch signal output
39	STB LED/CLK	O	Stanby led /clock signals check point
40	LD-ON	O	Laser diode on signal output
41	M-RESET	O	System reset signal output
42	XLT	O	CD latch signal output
43	XRST	O	CD reset signal output
44	LOAD-IN	O	CD loading motor control signal output
45	LOAD-OUT	O	CD loading motor control signal output
46	OPEN	I	Detection input from the tray open switch signal
47	CLOSE	I	Detection input from the tray close switch signal
48	UP/DWN SW	I	CD elevator up/down control signal input
49	T-SENS	I	Detection input from the table address detect sensor
50	A TRG	O	A deck trigger control signal output

Pin No.	Pin Name	I/O	Function
51	NO-USE	I	Not used
52	B TRG	O	B deck trigger control signal output
53	AMS-IN	I	AMS signal input
54	CAPM-H/L	O	Capstan moter highi/low speed control signal output
55	CAPM-CNT 1	O	Capstan moter REV/FWD/STOP control signal output
56	A PLAY	I	A deck play detect signal input
57	B PLAY	I	B deck play detect signal input
58	TC-MUTE	O	Tape deck line mute switch signal output. mute: "H"
59	R/PB/PAS	I	REC/PB/PASS select signal input
60	NR-ON/OFF	O	DOLBY NR on/off switch signal output
61	REC-MUTE	O	REC mute switch signal output (mute "L")
62	Vcc	I	Power supply(+5V)
63	SOFT-TEST	O	Soft out check point
64	Vss	—	Ground
65	BIAS	O	BIAS on/off switch signal output.
66	EQ-H/N	O	EQ high/low switch serect signal output
67	PB-A/B	O	A/B playback deck select signal output (deck A: "L", deck B "H")
68	ALC	O	ALC switch signal output (on: "L", off "H")
69	TC-RELAY	O	Tape deck relay switch signal output
70	A HALF	I	A deck half detect signal input
71	LINE-MUTE	O	Line mute signal output (on "H", off "L")
72	STK-POWER	O	Power amplifier on/off signal output (on "H", off "L")
73	DISPLAY KEY	I	Display key on/off switch signal input
74	POWER KEY	I	Power key on/off switch signal input
75	DIR-UNLOCK	I	Dir pll unlock signal input (analog: "H", CD/Din normal: "L")
76	DIR-CS	O	Dir cs signal output (normal "H")
77	DIR-XSTATE	I	Dir xstate signal input (normal "H")
78	DIR-Rx	I	Dir tx signal input
79	CODEC-SMUTE	I	Codec soft mute signal input (normal "L", mute "H")
80	DSP-ACK	I	DSP ACK signal input
81	DSP-CS	I	DSP CS signal input
82	DSP-DECODE	I	DSP DECODE signal input (AC-3 DTS decode "H")
83	STBY-RELAY	O	Main power on/off switch signal output
84	FRONT-RELAY	O	Front speaker relay switch signal output
85	REAR-RELAY	O	Not used (rear speaker relay)
86	PROTECT	I	Front speaker protect signal input (on "L")
87	STEREO	I	FM stereo detection signal input (stereo "L")
88	TUNED	I	Tuning detection signal input (tuned "L")
89	A SHUT	I	Shut off detection signal input (A deck reel pulse)
90	B SHUT	I	Shut off detection signal input (B deck reel pulse)
91	HALF/REC A/REC	I	Detection input from the B deck half signal input
92	MODEL-IN	I	Not used .Destination setting terminal
93	SPEC-IN	I	Destination settng terminal
94	FUN-CTRL	O	Fun on control signal output
95	V-MUTE	O	Not used
96	AVss	—	Ground
97	POWER	O	Standby LED on/off control signal output
98	VREF	I	Reference voltage(+5V)
99	AVcc	I	Power supply (+5V)
100	AC-CUT	I	AC cut on/off check signal input

• IC1101 DISPLAY CONTROL (MB90M407APF-G-105-BND) (PANEL Board (1/2))

Pin No.	Pin Name	I/O	Function
1 - 7	G7 - G1	O	Grid drive signal output to the fluorescent indicator
8 - 10	A1 - A3	O	Segment drive signal output the fluorescent indicator tube
11	Vss IO	—	Ground
12 - 22	A4 - A14	O	Segment drive signal output the fluorescent indicator tube
23	Vdd FIP	I	Power supply terminal (B+ VFT)
24 - 41	A15 - A32	O	Segment drive signal output the fluorescent indicator tube
42	Vss IO	—	Ground
43 - 47	A33 - A37	O	Segment drive signal output the fluorescent indicator tube
48	Vkk	I	Power supply terminal (B- for VFT)
49	MODE0	I	Chip Mode Select 0
50	MODE1	I	Chip Mode Select 1
51	MODE2	I	Chip Mode Select 2
52 - 54	DISC 1 - 3 LED	O	LED switch signal output
55	PLAY LED	O	Not used
56	VOLUME A	I	Jog dial pulse input from the rotary encoder(A phase input)
57	VOLUME B	I	Jog dial pulse input from the rotary encoder(B phase input)
58	HEADPHONE	I	HEAD PHONE check (“H” head phone)
59	MULTI CHANNEL LED	O	LED switch signal output
60	IIC data	O	IIC data bus SDA signal
61	IIC clk	O	IIC data bus reading clock (SCL signal)
62	Avcc	—	Power supply terminal (analog)
63	Avss	—	Ground (analog)
64 - 66	KEY0 - KEY2	I	KEY in terminal (A/D input)
67	ENTER LED	O	LED switch signal
68	YL	I/O	Tuoch pad control signal input/output
69	XL	I/O	Tuoch pad control signal input/output
70	XH	I/O	Tuoch pad control signal input/output
71	YH	I/O	Tuoch pad control signal input/output
72	AYH	I	Tuoch pad signal input(A/D input)
73	AXH	I	Tuoch pad signal input(A/D input)
74	AXL	I	Tuoch pad signal input(A/D input)
75	AYL	I	Tuoch pad signal input(A/D input)
76	SP FORM LED	O	LED switch signal output
77	Reset	I	System reset signal input (reset “L”)
78	LOCK LED	O	LED switch signal output
79	DSP LED	O	LED switch signal output
80	GROOVE LED	O	LED switch signal output
81	Vss CPU	—	Ground
82	Xin	I	Clock input (4MHz)
83	Xout	O	Clock output (4MHz)
84	Vcc for CPU	I	Power supply terminal
85	REC LED	O	LED switch signal output
86	GAME LED	O	LED switch signal output
87	DIGITAL LED	O	LED switch signal output
88	VIDEO LED	O	LED switch signal output
89	TAPE LED	O	LED switch signal output
90	TUNER LED	O	LED switch signal output
91	CD/DVD LED	O	LED switch signal output
92 - 100	G16 - G8	O	Grid drive signal output to the fluorescent indicator

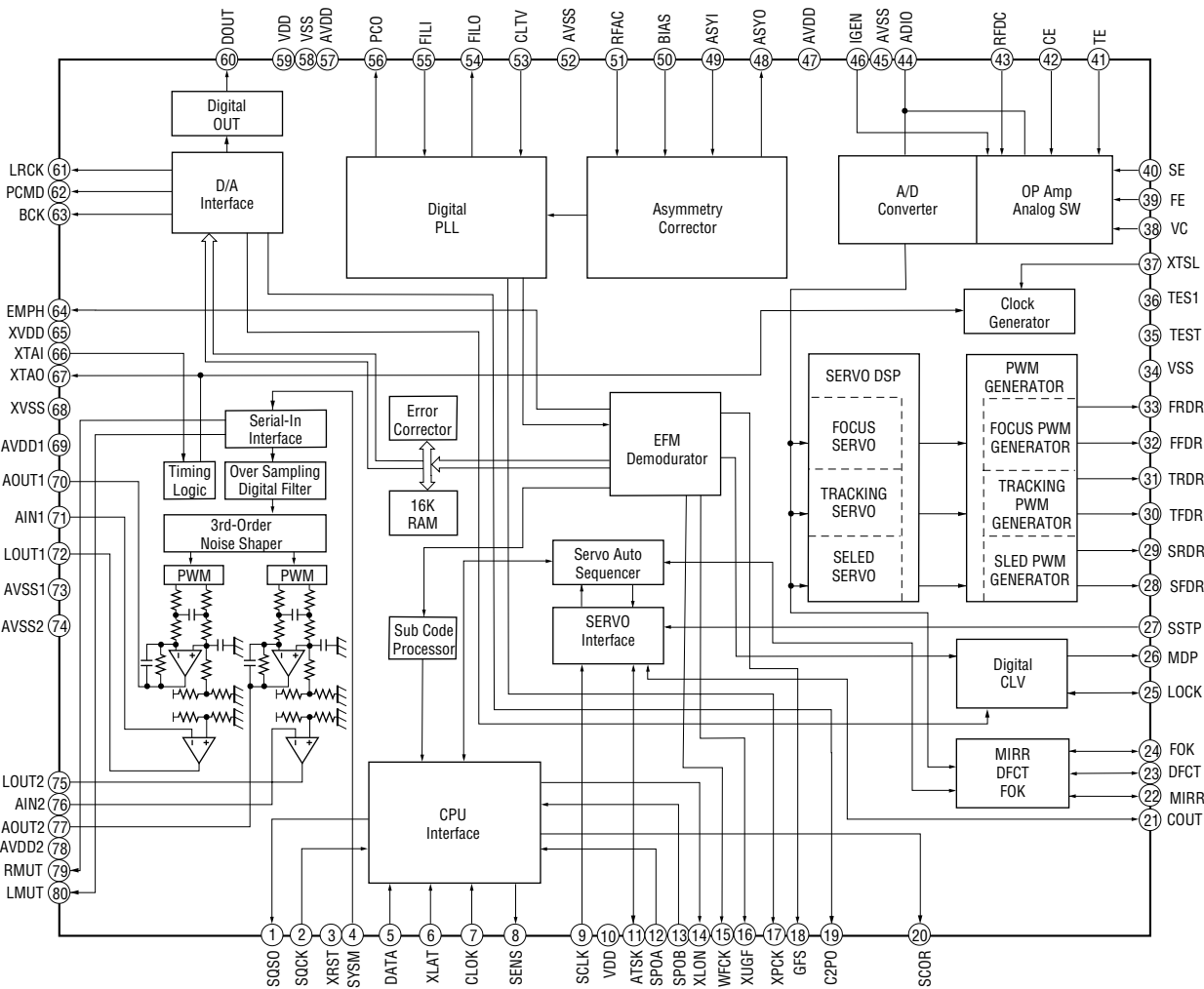
• IC601 DECODER (CXD9617R) (DSP Board (1/2))

Pin No.	Pin Name	I/O	Function
1	VSS	—	Ground
2	XRST	I	Reset signal input
3	EXTIN	—	GND
4	FS2	I	Sampling frequency switching signal input
5	VDDI	I	Power supply
6	FS1	I	Sampling frequency switching signal input
7	PLOCK	O	Internal PLL lock signal output
8	VSS	—	Ground
9	MCLK1	I	Clock signal input (135 MHz)
10	VDDI	I	Power supply
11	VSS	—	Ground
12	MCLK2	I/O	
13	MS	I	Switching of master/slave operation 0 : internal clock, 1 : EXTIN clock is used
14	SCKOUT	O	Internal system clock signal output
15	LRCKI1	I/O	Sampling clock input/output for audio IF serial data (Not used)
16	VDDE	—	Power supply
17	BCKI1	I/O	Bit clock input/output terminal for audio IF serial data (Not used)
18	SDI1	I	Audio IF data input
19	LRCKO	O	Sampling clock output for audio IF serial data
20	BCKO	O	Bit clock output terminal for audio IF serial data
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (364fs/256fs) input/output
23 - 26	SDO1 - SDO4	O	Audio IF serial data output
27	SPDIF	O	S/D IF output (Not used)
28	LRCKI2	I	Sampling clock input for audio IF serial data
29	BCKI2	I	Bit clock input terminal for audio IF serial data
30	SDI2	I	Audio IF data input
31	VSS	—	Ground
32	HACN	O	Acknowledge signal output for host IF
33	HDIN	I	Serial data input for host IF
34	HCLK	I	Clock input for host IF
35	HDOUT	O	Serial data output for host IF
36	HCS	I	Chip select input for host IF
37	SDCLK	O	SDRAM clock output (Not used)
38	CLKEN	O	SDRAM clock enable signal output (Not used)
39	RAS	O	Raw address strobe signal output (Not used)
40	VDDI	I	Power supply
41	VSS	—	Ground
42	CAS	O	Column address strobe output (Not used)
43	DQM/OE0	O	Data input/output mask signal output (Not used)
44	CS0	O	External memory chip select (SRAM)
45	WE0	O	SRAM write enable output
46	VDDE	I	Power supply
47	WMD1	I	External memory wait mode signal input
48	VSS	—	Ground
49	WIMD0	I	External memory wait mode signal input
50	PAGE2	O	External memory page switching signal output
51	VSS	—	Ground
52	PAGE1	O	External memory page switching signal output (Not used)
53	PAGE0	O	External memory page switching signal output
54	BOOT	I	Boot mode control signal input
55	BTACT	O	Boot mode state display signal output (Not used)
56	BST	I	Boot stop signal input
57	MOD1	I	Operation mode signal input (L : 386fs, H : 256fs)

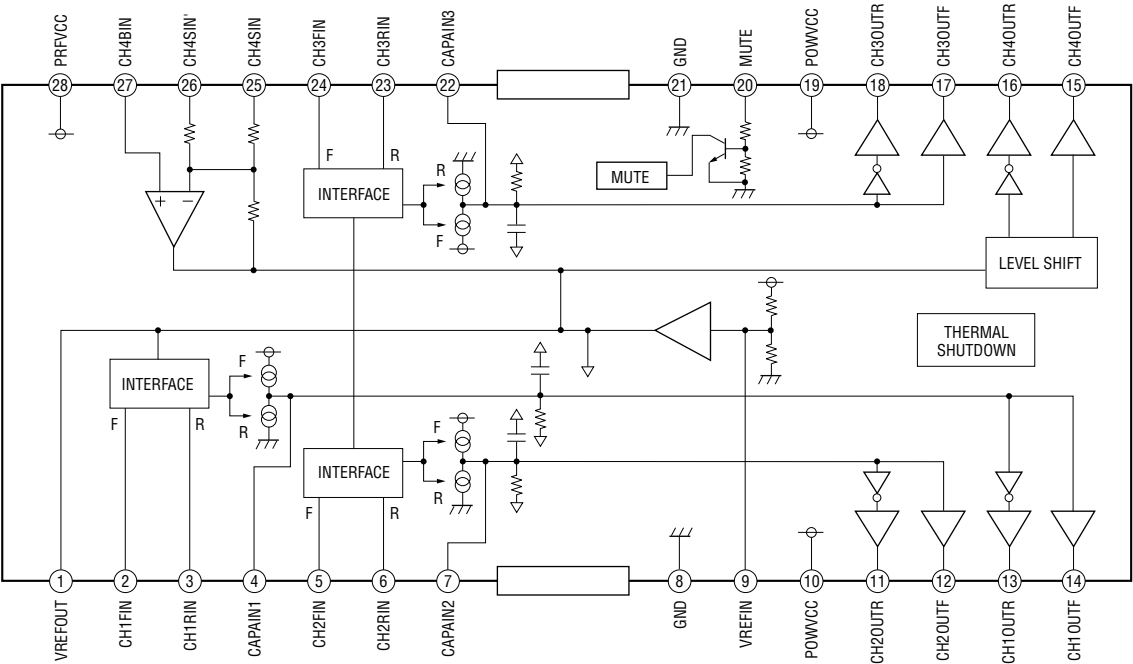
Pin No.	Pin Name	I/O	Function
58	MOD0	I	Operation mode signal input (L : single chip mode, H : use prohibited)
59	EXLOCK	I	Lock signal input
60	VDDI	I	Power supply
61	VSS	—	Ground
62 - 66	A17 - A13	O	External memory address output (SRAM)
67	GP10	I/O	LRCK0
68	GP9 (DECODE)	O	DECODE
69	GP8 (AUDIO)	I	AUDIO
70	VDDI	I	Power supply
71	VSS	—	Ground
72 - 75	D15/GP7 - D12/GP4	I/O	External memory data input /output (general port)
76	VDDE	I	Power supply
77 - 80	D11/GP3 - D8/GP0	I/O	External memory data input /output (general port)
81	VSS	—	Ground
82 - 85	A9 - A12	O	External memory address output (SRAM)
86	TDO	O	Simple emulation data output
87	TMS	I	Simple emulation data input start, end terminal
88	XTRST	I	Simple emulation async BREAK signal input terminal
89	TCK	I	Simple emulation clock signal input
90	TDI	I	Simple emulation data input
91	VSS	—	Ground
92 - 97	A8 - A3	O	External memory address output (SRAM)
98, 99	D7, D6	I/O	External memory data input/output (SRAM)
100	VDDI	I	Power supply
101	VSS	—	Ground
102 - 105	D5 - D2	I/O	External memory data input/output (SRAM)
106	VDDE	I	Power supply
107, 108	D1, D0	I/O	External memory data input/output (SRAM)
109, 110	A2, A1	O	External memory address output (SRAM)
111	VSS	—	Ground
112	A0	O	External memory address output (SRAM)
113	PM	I	PLL initialization input terminal
114, 115	SDI3, SDI4	I	Audio IF data input
116	SYNC	I	Sync/async selection input (L : sync, H : async)
117 - 119	VSS	—	Ground
120	VDDI	I	Power supply

6-28. IC BLOCK DIAGRAMS

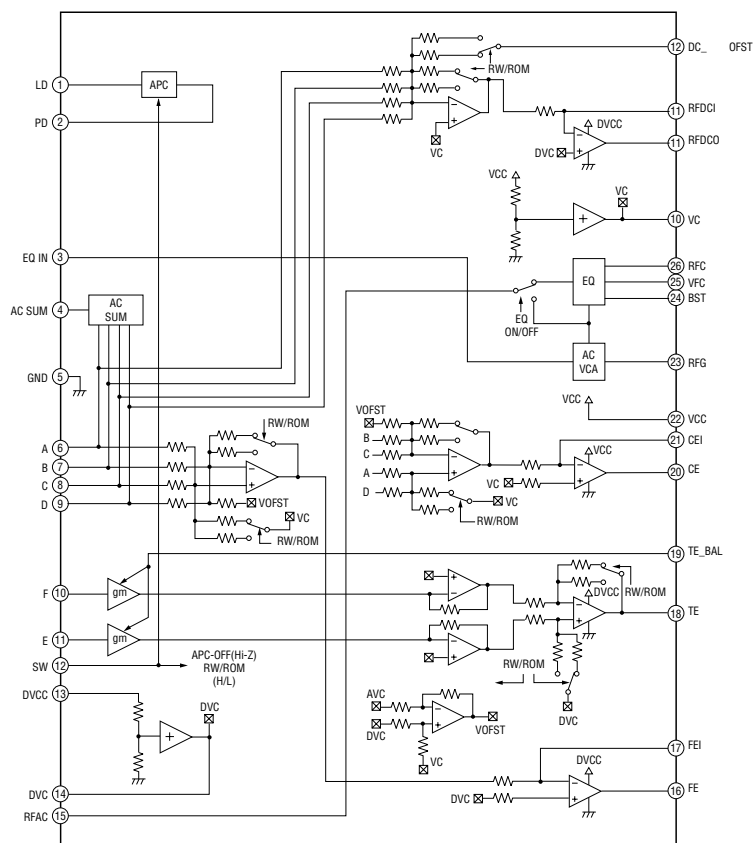
IC101 CXD3017Q (BD BOARD)



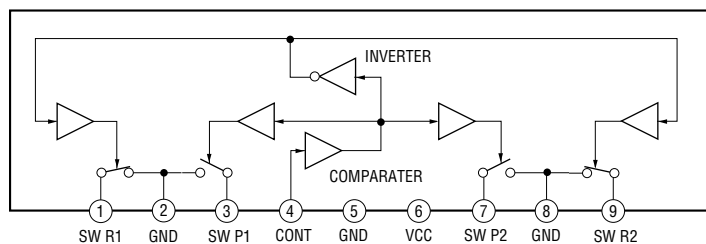
IC102 BA5974FM-E2 (BD BOARD)



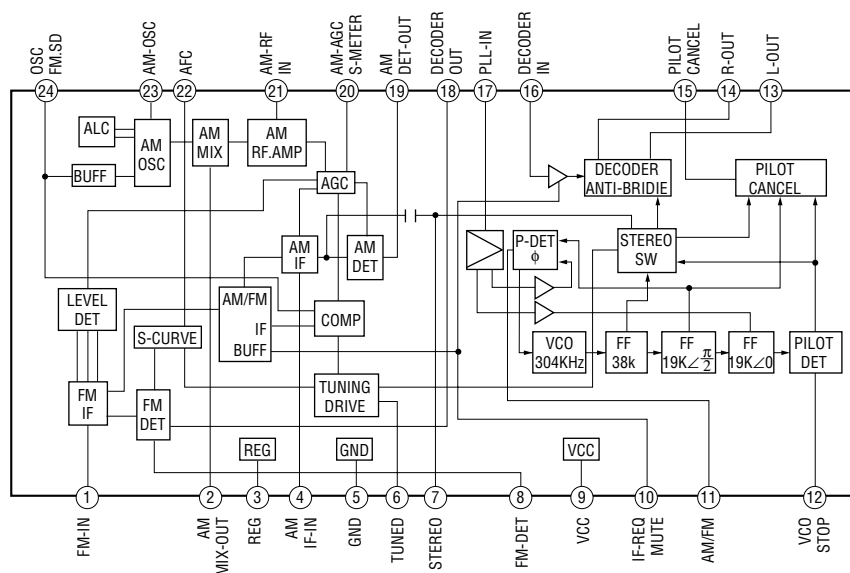
IC103 CXA2581N-T4 (BD BOARD)



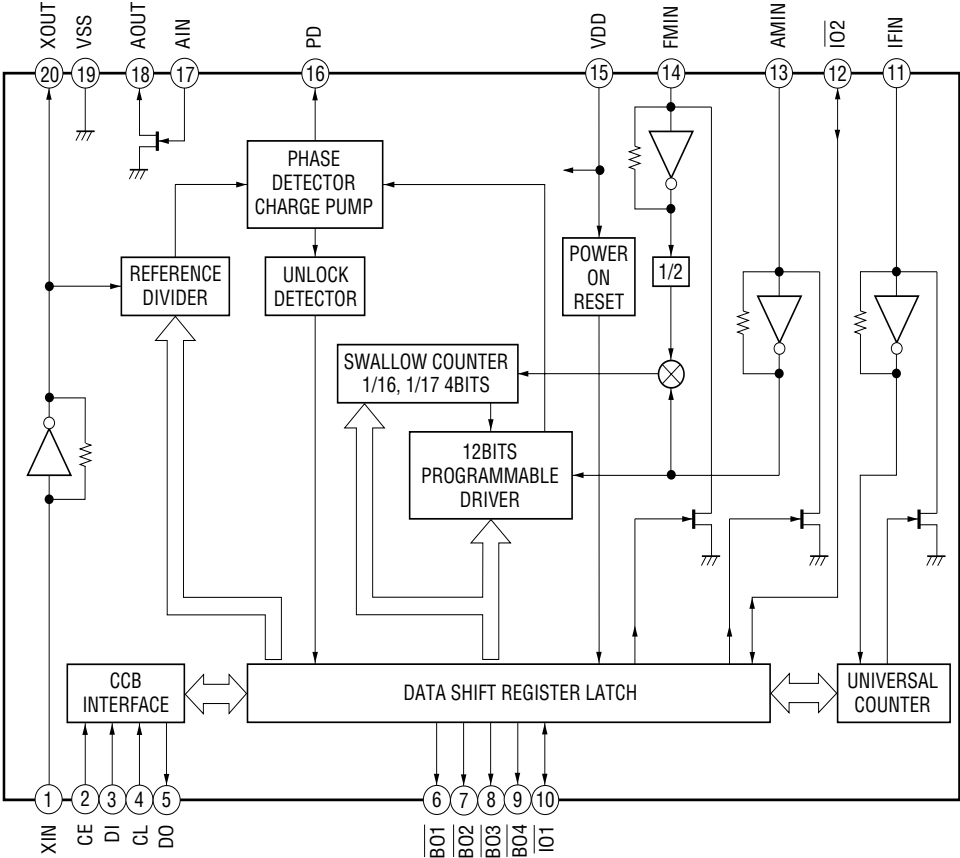
IC302 μPC1330HA (MAIN BOARD (1/3))



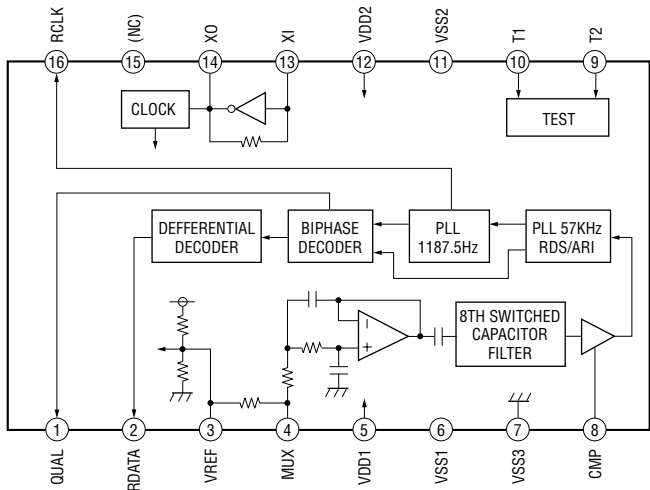
IC11 LA1845 (MAIN BOARD (3/3))

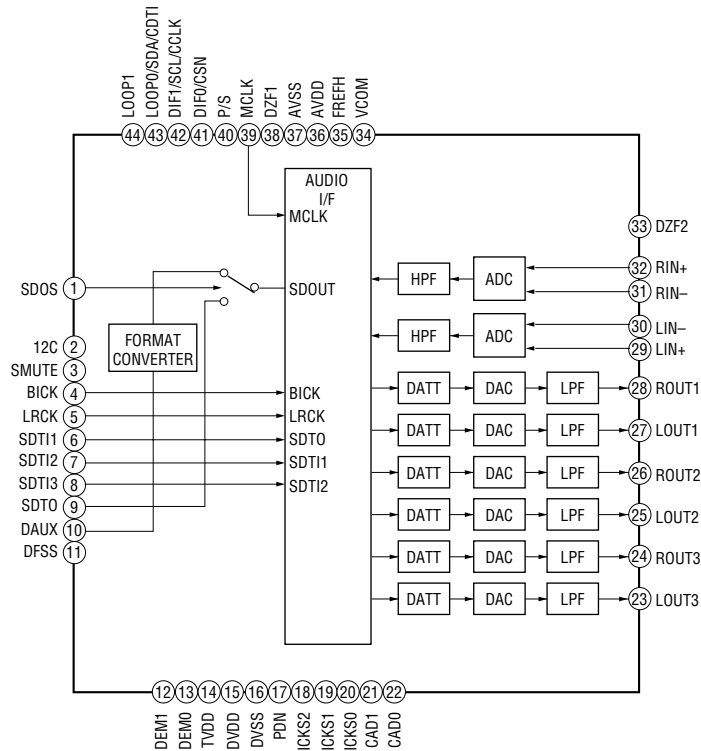
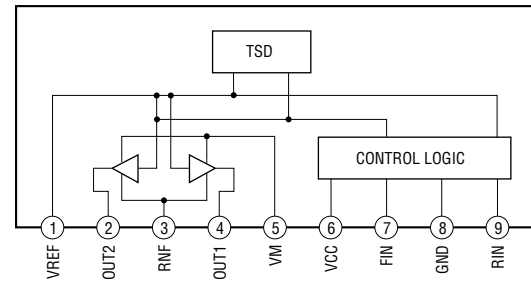
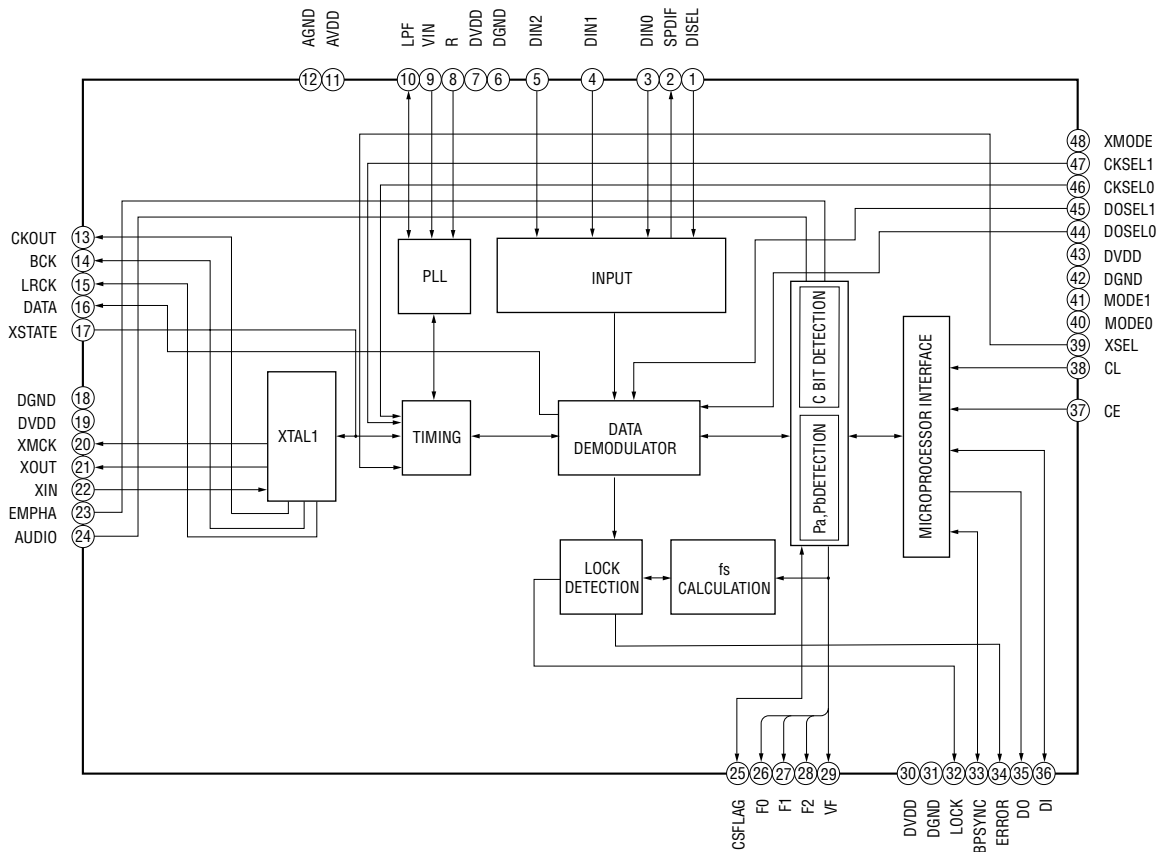


IC51 LC72131D (MAIN BOARD (3/3))



IC81 BU1924 (MAIN BOARD (3/3))



IC605 AK4527 (DSP BOARD (1/2))**IC701 BA6956AN (DRIVER BOARD)****IC604 LC89056W-E (DSP BOARD (2/2))**

SECTION 7
EXPLODED VIEWS

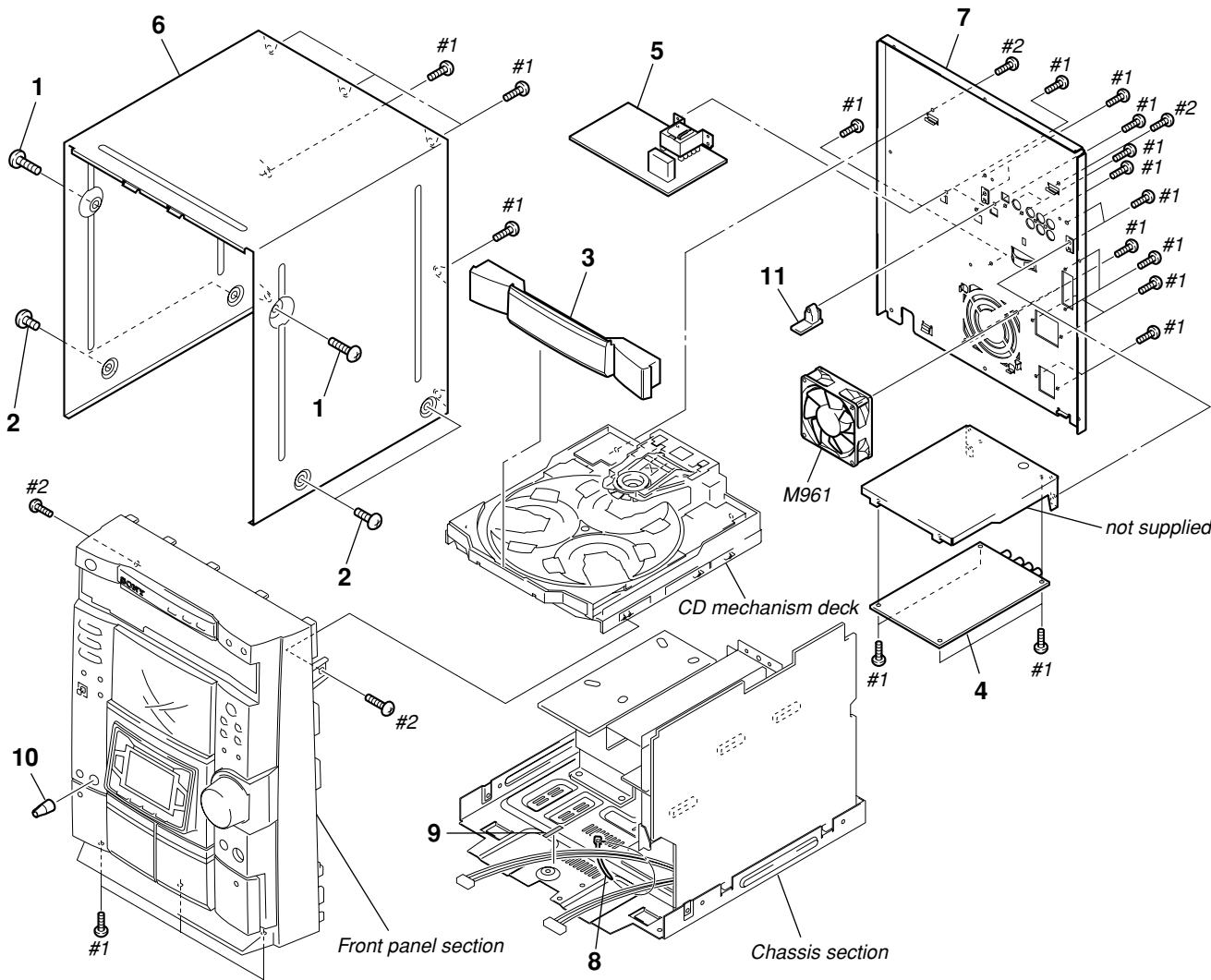
- NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
AUS : Australian model
AR : Argentine model
CND: Canadian model
KR : Korean model
MX : Mexican model

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

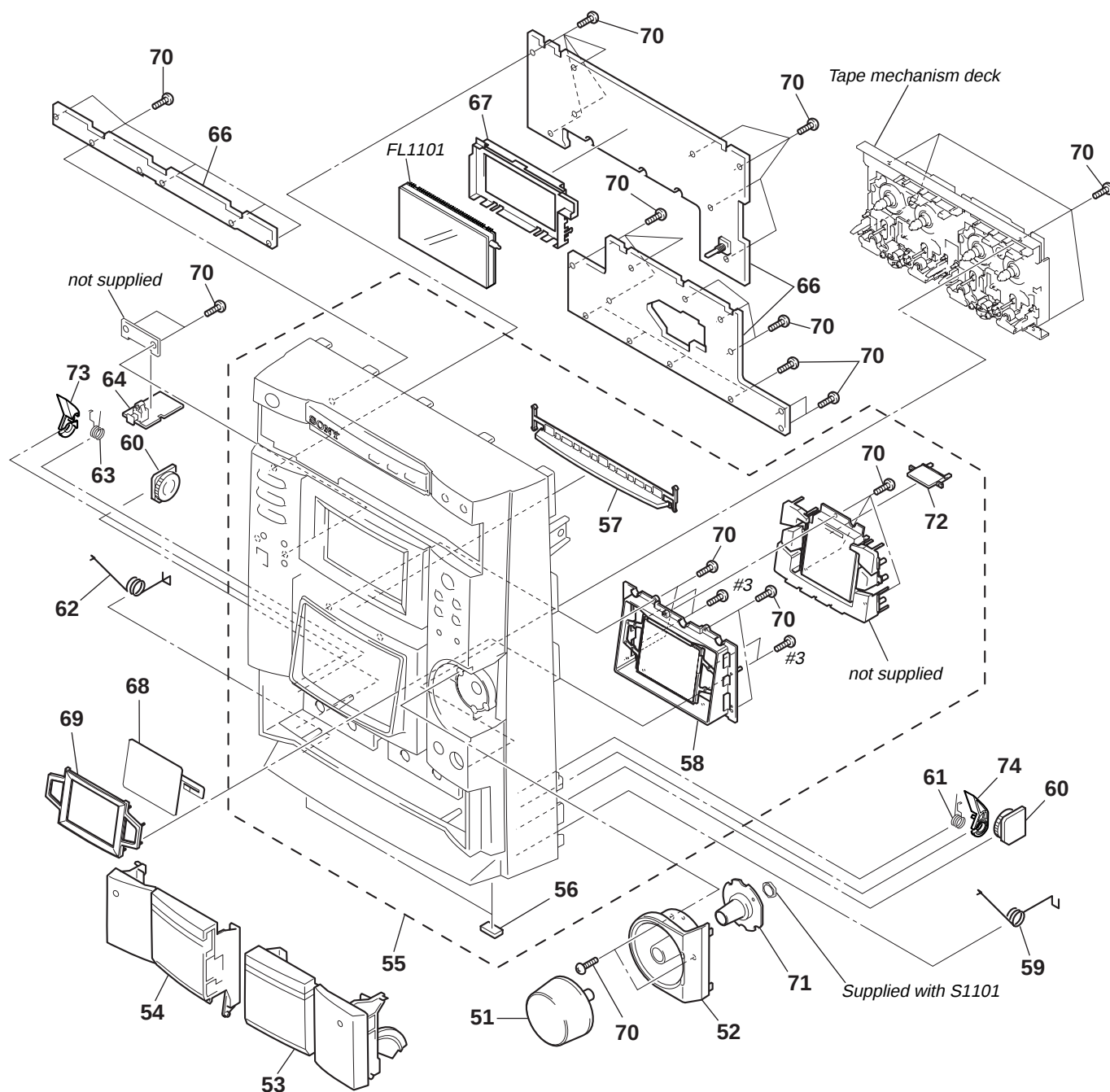
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. MAIN SECTION



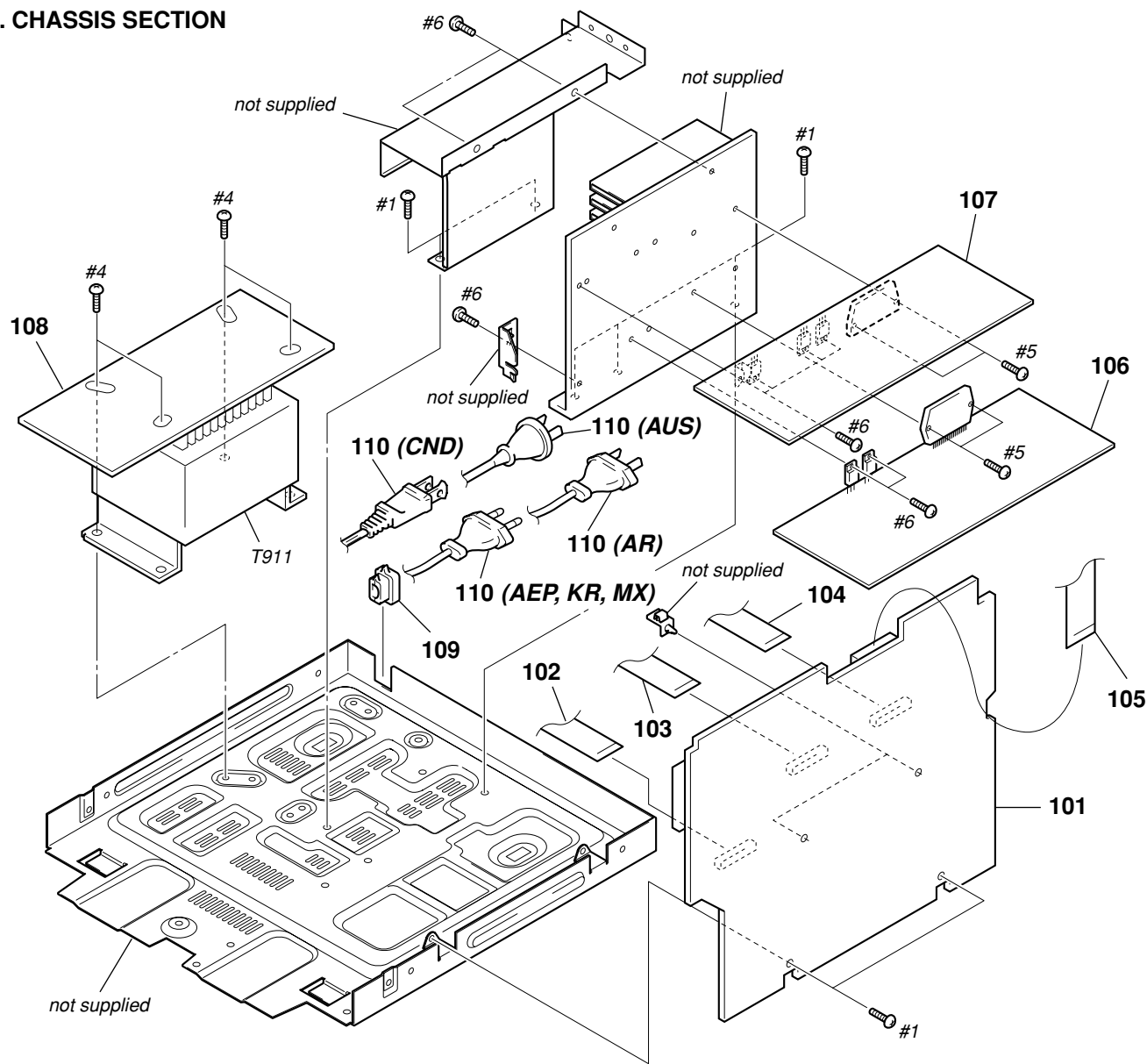
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	3-363-099-41	SCREW (CASE 3 TP2)		7	4-231-894-12	PANEL, BACK (CND)	
2	3-363-099-01	SCREW (CASE 3 TP2)		7	4-231-894-22	PANEL, BACK (AUS)	
3	4-231-795-11	PANEL, LOADING		7	4-231-894-32	PANEL, BACK (KR)	
4	A-4475-600-A	DSP BOARD, COMPLETE (CND)		7	4-231-894-42	PANEL, BACK (MX)	
4	A-4475-638-A	DSP BOARD, COMPLETE (AEP)		7	4-231-894-52	PANEL, BACK (AR)	
4	A-4475-653-A	DSP BOARD, COMPLETE (AUS,KR)		8	3-701-748-00	CLAMP	
4	A-4475-982-A	DSP BOARD, COMPLETE (AR,MX)		* 9	3-378-109-01	CUSHION, SARANET	
5	1-680-190-11	SUB TRANS BOARD		10	4-231-805-01	KNOB (MIC) (AR, AUS, KR, MX)	
6	4-231-828-11	CASE		11	1-680-851-11	OPT IN REAR BOARD (AR,AUS,KR,MX)	
7	4-231-894-01	PANEL, BACK (AEP)		M961	1-763-072-11	FAN. DC	

7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	4-231-804-01	KNOB (VOL)		64	1-680-279-11	OPT IN BOARD	
52	4-231-803-01	RING (VOL)		66	A-4475-664-A	PANEL BOARD, COMPLETE (including CD PANEL BOARD) (AR, AUS, KR, MX)	
53	X-4953-340-1	LID (B) ASSY, CASSETTE		66	A-4726-479-A	PANEL BOARD, COMPLETE (including CD PANEL BOARD) (AEP)	
54	X-4953-339-1	LID (A) ASSY, CASSETTE		66	A-4726-481-A	PANEL BOARD, COMPLETE (including CD PANEL BOARD) (CND)	
55	X-4953-342-1	PANEL ASSY, FRONT (AR, AUS, KR, MX)					
55	X-4953-338-1	PANEL ASSY, FRONT (AEP)		67	4-224-584-01	HOLDER FL	
55	X-4953-839-1	PANEL ASSY, FRONT (CND)		68	1-796-001-11	TOUCH PAD	
56	4-225-252-01	CUSHION (FOOT)		69	4-231-815-01	HOLDER (PAD)	
57	4-231-810-01	BUTTON (EDIT) (AR, AUS, KR, MX)		70	4-951-620-01	SCREW (2.6X8), +BVTP	
57	4-231-810-11	BUTTON (EDIT) (AEP, CND)		71	4-234-763-01	COVER (VOL)	
58	4-231-814-01	ESCUTCHEON (PAD)		72	4-231-818-01	INDICATOR (BLUE)	
59	4-231-838-01	SPRING (TC-B)		73	4-231-824-01	HEART CAM (A)	
60	4-224-104-11	DAMPER		74	4-231-825-01	HEART CAM (B)	
61	4-231-841-01	SPRING (HEART CAM-B)		FL1101	1-518-722-11	INDICATOR TUBE, FLUORESCENT	
62	4-231-837-01	SPRING (TC-A)					
63	4-231-836-01	SPRING (HEART CAM-A)					

7-3. CHASSIS SECTION



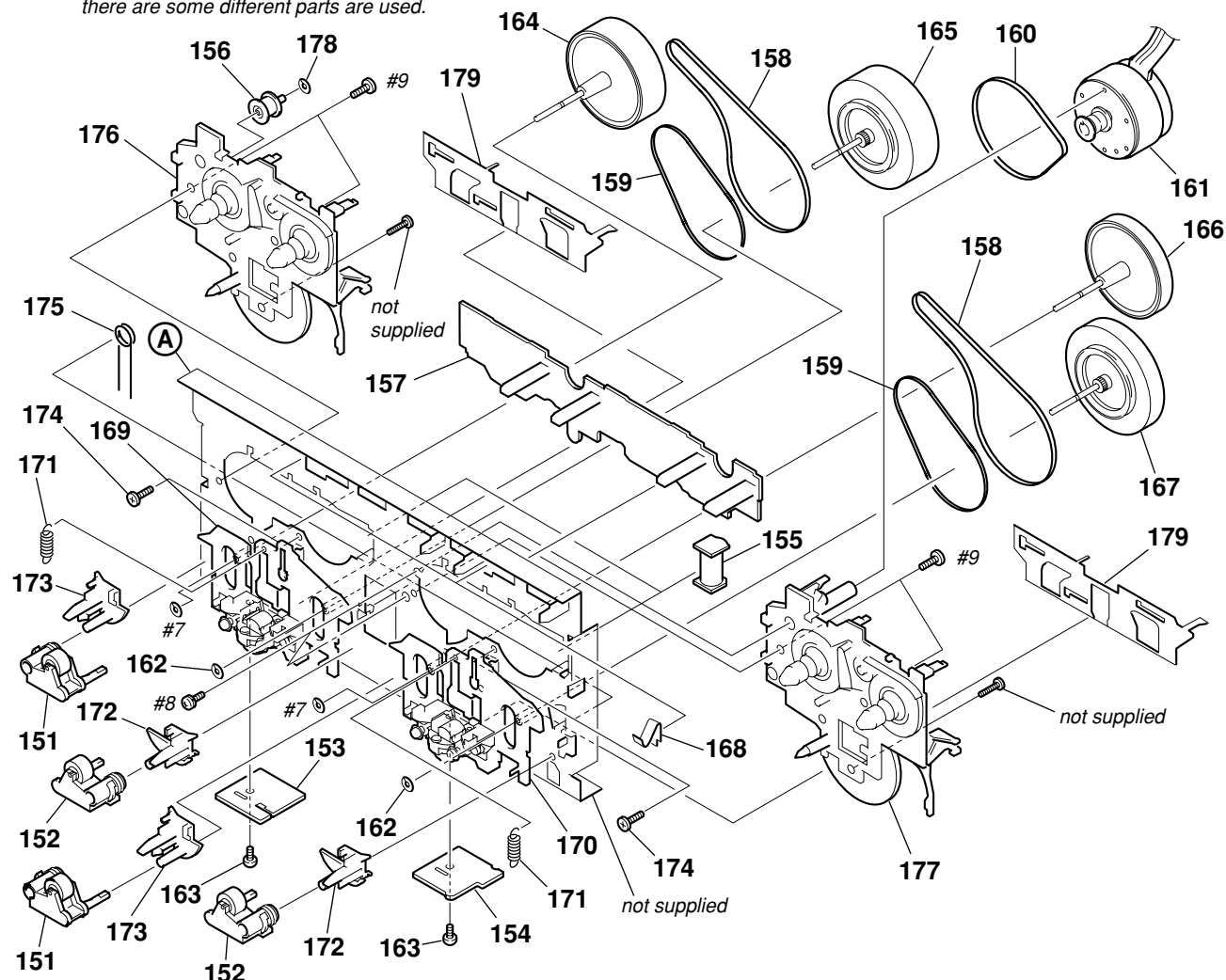
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	A-4475-604-A	MAIN BOARD, COMPLETE (CND)		108	1-680-189-11	TRANS BOARD	
101	A-4475-640-A	MAIN BOARD, COMPLETE (AEP)		109	3-703-571-11	BUSHING (S) (4516), CORD (MX)	
101	A-4475-655-A	MAIN BOARD, COMPLETE (AUS)		* 109	3-703-244-00	BUSHING (2104), CORD	(AR, AEP, AUS, CND, KR)
101	A-4475-986-A	MAIN BOARD, COMPLETE (AR, MX)		 110	1-769-079-21	CORD, POWER (KR)	
101	A-4476-098-A	MAIN BOARD, COMPLETE (KR)		 110	1-777-071-81	CORD, POWER (AEP)	
102	1-773-042-11	WIRE (FLAT TYPE) (17 CORE)		 110	1-783-531-31	CORD, POWER (CND)	
103	1-757-418-11	WIRE (FLAT TYPE) (21 CORE)		 110	1-783-203-11	CORD, POWER (AUS)	
104	1-757-420-11	WIRE (FLAT TYPE) (23 CORE)		 110	1-783-941-11	CORD, POWER (AR)	
105	1-757-419-11	WIRE (FLAT TYPE) (21 CORE)		 110	1-791-901-11	CORD, POWER (MX)	
106	A-4475-607-A	FRONT AMP BOARD, COMPLETE (CND)		 T911	1-435-815-11	TRANSFORMER, POWER (CND)	
106	A-4475-643-A	FRONT AMP BOARD, COMPLETE (AEP)		 T911	1-435-816-11	TRANSFORMER, POWER (AEP)	
106	A-4475-658-A	FRONT AMP BOARD, COMPLETE (AUS, KR)		 T911	1-435-817-11	TRANSFORMER, POWER (AR, AUS, KR, MX)	
106	A-4476-409-A	FRONT AMP BOARD, COMPLETE (AR, MX)					
107	1-680-188-11	SURROUND AMP BOARD					

7-4. TAPE MECHANISM DECK SECTION-1 (TCM-230MWR41)

- The thing that a part ① curves is TCM-230MWR41.

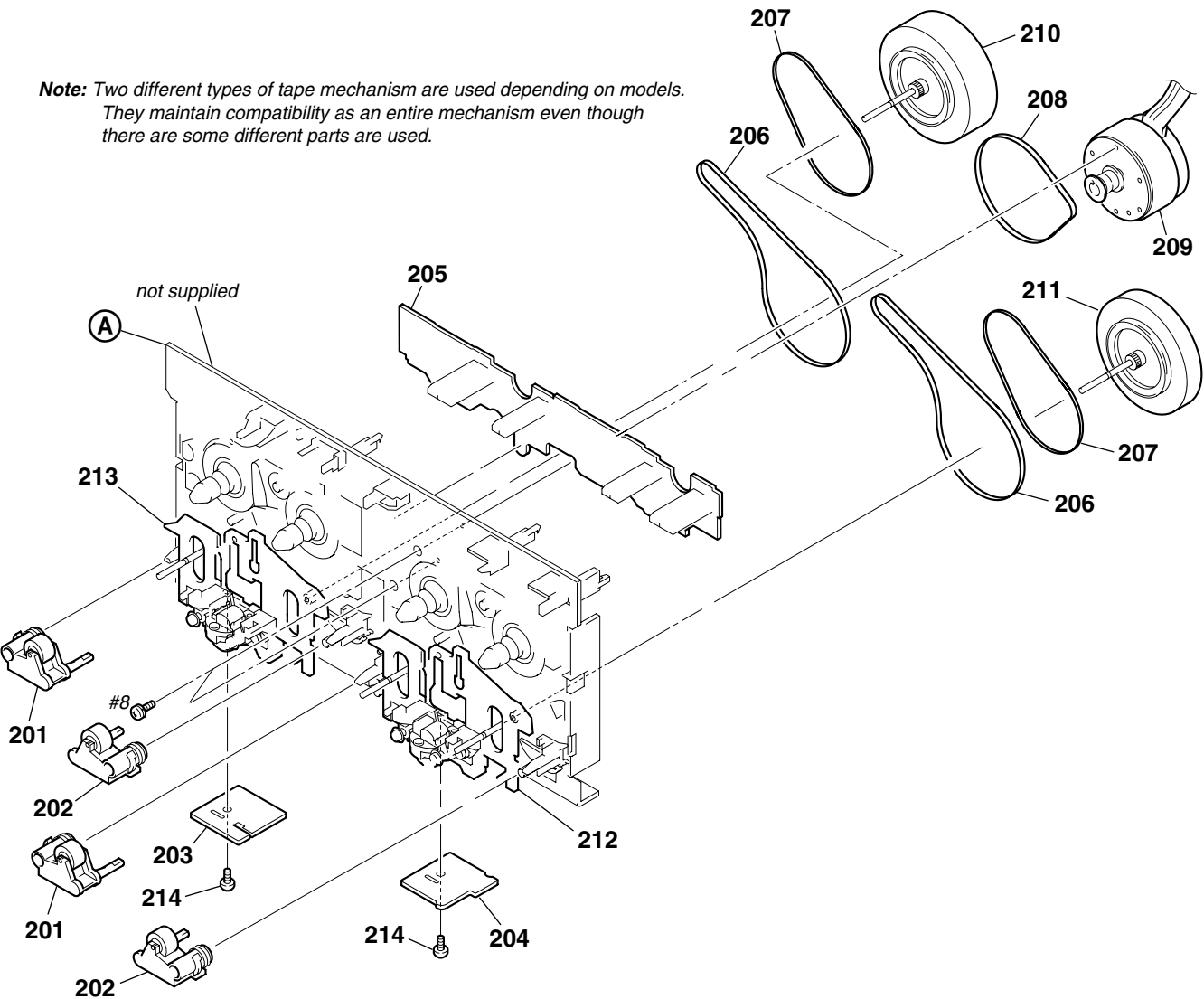
Note: Two different types of tape mechanism are used depending on models.
They maintain compatibility as an entire mechanism even though there are some different parts are used.



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
151	X-3374-156-1	PINCH LEVER (REV) ASSY		166	X-3378-043-1	FLYWHEEL (B-REV) ASSY	
152	X-3374-155-1	PINCH LEVER (FWD) ASSY		167	X-3378-042-1	FLYWHEEL (B-FWD) ASSY	
153	A-2007-839-A	HEAD (A) BOARD, COMPLETE		168	4-229-083-01	SPRING (CASSETTE), LEAF	
154	A-2007-840-A	HEAD (B) BOARD, COMPLETE		169	A-2004-771-A	BASE (A) ASSY, HEAD	
155	1-454-887-11	SOLENOID, PLUNGER		170	A-2004-772-A	BASE (B) ASSY, HEAD	
156	3-040-580-11	PULLEY (TENSION)		171	3-016-574-11	SPRING (HEAD), TENSION	
157	A-2007-838-A	LEAF SW BOARD, COMPLETE		172	3-016-564-01	BASE (PINCH LEVER FWD)	
158	3-041-946-01	BELT (CAPSTAN B)		173	3-016-565-01	BASE (PINCH LEVER REV)	
159	3-041-947-01	BELT (FR)		174	3-703-454-21	SCREW (1.7X6), TAPPING	
160	4-227-239-01	BELT (CAPSTAN C)		175	4-228-449-01	SPRING (REVERSE SLIDER)	
161	X-3378-241-1	MOTOR ASSY		176	A-2004-793-A	CHASSIS (A) ASSY, SUB	
162	3-019-208-01	WASHER, STOPPER		177	A-2004-794-A	CHASSIS (B) ASSY, SUB	
163	4-227-872-11	SCREW (+PTT 2X4), GROUND POINT		178	3-016-533-01	WASHER (FR), STOPPER	
164	X-3378-041-1	FLYWHEEL (A-REV) ASSY		179	3-016-566-01	SLIDER, REVERSE	
165	X-3378-040-1	FLYWHEEL (A-FWD) ASSY					

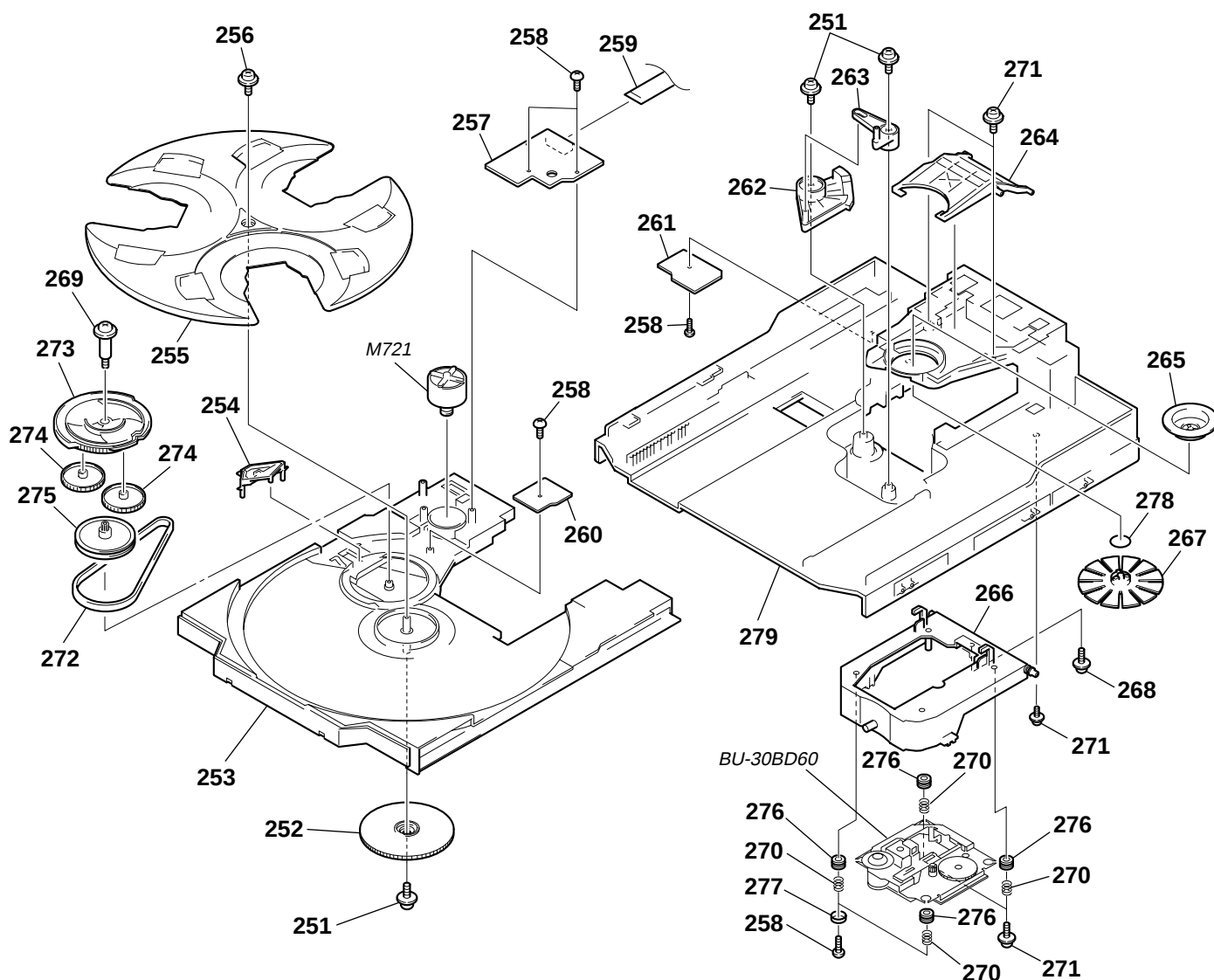
7-5. TAPE MECHANISM DECK SECTION-2
(TCM-230AWR41)

- The thing that a part ㉑ doesn't curve is TCM-230AWR41.



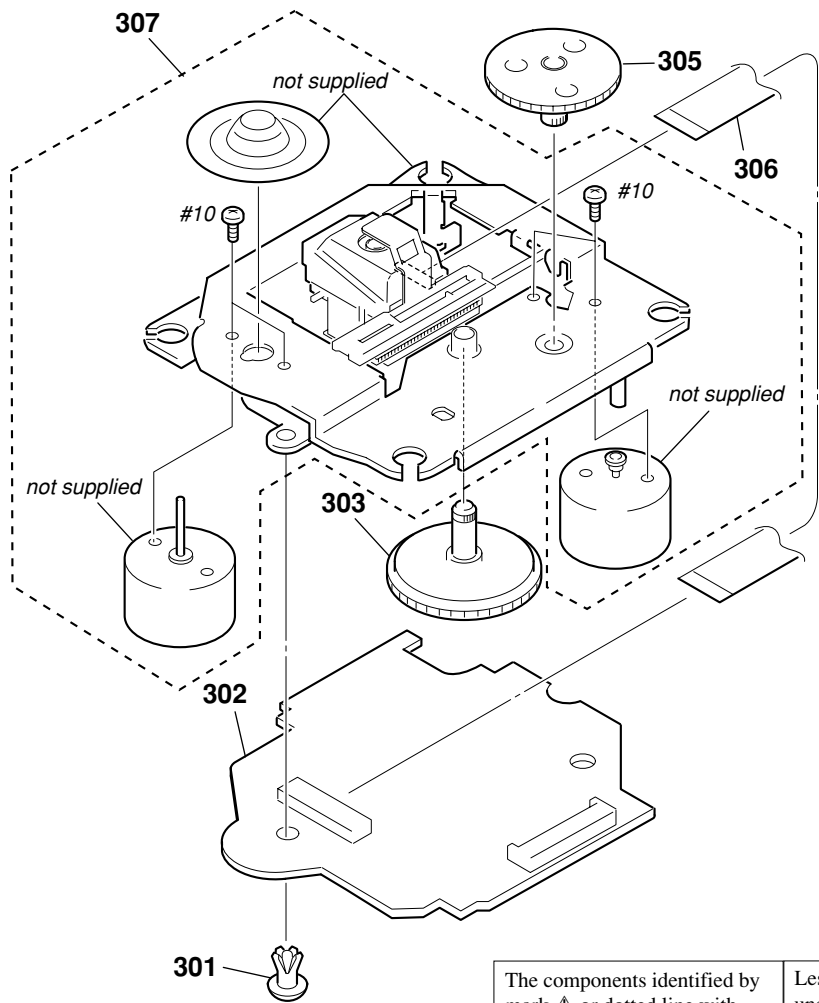
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
201	X-3374-156-1	PINCH LEVER (REV) ASSY		208	4-227-239-01	BELT (CAPSTAN C)	
202	X-3374-155-1	PINCH LEVER (FWD) ASSY		209	X-3378-241-1	MOTOR ASSY	
203	1-676-220-11	HEAD (A) BOARD, COMPLETE		210	X-3378-040-1	FLYWHEEL (A-FWD) ASSY	
204	1-676-221-11	HEAD (B) BOARD, COMPLETE		211	X-3378-042-1	FLYWHEEL (B-FWD) ASSY	
205	A-2007-838-A	LEAF SW BOARD, COMPLETE		212	A-2004-755-A	BASE (B) ASSY, HEAD	
206	3-041-946-01	BELT (CAPSTAN B)		213	A-2004-754-A	BASE (A) ASSY, HEAD	
207	3-041-947-01	BELT (FR)		214	4-227-872-11	SCREW (+PTT 2X4),GROUND POINT	

7-6. CD MECHANISM DECK SECTION (CDM58E-30BD60)



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
251	4-933-134-11	SCREW (+PTPWH M2.6X8)		266	X-4953-306-1	HOLDER (BU) (BU-30) ASSY	
252	4-221-679-01	CAM (RELAY)		267	X-4953-307-1	PULLEY (A) ASSY, CHUCKING	
253	4-231-452-01	TABLE (NEW)		268	4-227-899-01	SCREW (DIA. 12), FLOATING	
254	4-221-686-01	LEVER (CHANGE)		269	4-222-097-01	SCREW, STEP	
255	4-221-676-01	TRAY		270	4-227-045-11	SPRING (INSULATOR), COIL	
256	4-933-134-51	SCREW (+PTPWH 2.6X8)		271	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
257	1-675-910-14	MOTOR BOARD		272	4-222-095-01	BELT	
258	4-951-620-01	SCREW (2.6X8), +BVTP		273	4-221-678-01	CAM (CONTROL)	
259	1-791-983-12	WIRE (FLAT TYPE) (8 CORE)		274	4-221-683-01	GEAR (U)	
260	1-675-911-14	SENSOR BOARD		275	4-221-685-01	PULLEY (S)	
261	1-675-912-14	DRIVE BOARD		276	4-231-451-01	INSULATOR (BU-30)	
262	X-4952-608-1	CAM (U/D) ASSY		277	4-231-151-01	STOPPER (BU)	
263	4-221-681-01	LEVER (EX)		278	4-228-414-01	BRACKET (YOKE)	
264	4-221-682-01	LEVER (LIFTER)		279	4-221-674-04	CHASSIS	
265	4-231-513-01	PULLEY (B) (BU-30), CHUCKING		M721	A-4672-826-A	MOTOR ASSY	

7-7. BASE UNIT SECTION (BU-30BD60)



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	3-531-576-11	RIVET		305	4-233-831-01	GEAR (LA)	
302	A-4725-531-A	BD BOARD, COMPLETE		306	1-757-710-11	WIRE (FLAT TYPE) (16 CORE)	
303	4-233-832-01	GEAR (LB)		$\triangle$ 307	A-4735-188-A	BU-30 (60) ASSY	

SECTION 8 ELECTRICAL PARTS LIST

BD

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, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
uF: μ F
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA..., μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...
- Abbreviation
CND : Canadian model
MX : Mexican model
AR : Argentine model
AUS : Australian model
KR : Korean model

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

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

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-4725-531-A	BD MOUNTED BOARD, COMPLETE *****		C191	1-124-584-00	ELECT 100uF	20% 10V
		< CAPACITOR >		C192	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C101	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V	C193	1-104-665-11	ELECT 100uF	20% 10V
C102	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	C194	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C103	1-162-962-11	CERAMIC CHIP 470PF	10% 50V				
C104	1-162-962-11	CERAMIC CHIP 470PF	10% 50V	C195	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C108	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	C196	1-164-360-11	CERAMIC CHIP 0.1uF	16V
				C197	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C109	1-162-965-11	CERAMIC CHIP 0.0015uF	10% 50V	C198	1-124-584-00	ELECT 100uF	20% 10V
C110	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V			< CONNECTOR >	
C111	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	CN101	1-568-864-11	CONNECTOR, FFC 21P	
C112	1-109-982-11	CERAMIC CHIP 1uF	10% 10V	CN102	1-793-907-11	CONNECTOR, FFC/FPC 16P	
C114	1-164-360-11	CERAMIC CHIP 0.1uF	16V			< DIODE >	
				D101	8-719-083-58	DIODE UDZSTE-173.9B	
C116	1-104-665-11	ELECT 100uF	20% 10V			< FERRITE BEAD >	
C117	1-104-665-11	ELECT 100uF	20% 10V	FB101	1-500-445-21	FERRITE 0UH	
C118	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	FB102	1-500-445-21	FERRITE 0UH	
C118	1-163-009-11	CERAMIC CHIP 0.001uF	10% 50V			< IC >	
C121	1-164-360-11	CERAMIC CHIP 0.1uF	16V	IC101	8-752-402-31	IC CXD3017Q	
				IC102	8-759-827-41	IC BA5974FM-E2	
C122	1-124-584-00	ELECT 100uF	20% 10V	IC103	8-752-089-74	IC CXA2581N-T4	
C123	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V			< JUMPER RESISTOR >	
C124	1-125-891-11	CERAMIC CHIP 0.47uF	10% 10V	JR101	1-216-864-11	METAL CHIP 0	5% 1/16W
C125	1-164-360-11	CERAMIC CHIP 0.1uF	16V	JR102	1-216-864-11	METAL CHIP 0	5% 1/16W
C126	1-164-360-11	CERAMIC CHIP 0.1uF	16V	JR103	1-216-864-11	METAL CHIP 0	5% 1/16W
				JR104	1-216-864-11	METAL CHIP 0	5% 1/16W
C127	1-124-584-00	ELECT 100uF	20% 10V	JR105	1-216-864-11	METAL CHIP 0	5% 1/16W
C129	1-162-974-11	CERAMIC CHIP 0.01uF	50V				
C130	1-164-360-11	CERAMIC CHIP 0.1uF	16V	JR106	1-216-864-11	METAL CHIP 0	5% 1/16W
C131	1-104-665-11	ELECT 100uF	20% 10V	JR122	1-216-296-11	SHORT 0	
C133	1-162-921-11	CERAMIC CHIP 33PF	5% 50V	JR123	1-216-296-11	SHORT 0	
				JR124	1-216-296-11	SHORT 0	
C143	1-164-360-11	CERAMIC CHIP 0.1uF	16V	JR125	1-216-296-11	SHORT 0	
C145	1-164-360-11	CERAMIC CHIP 0.1uF	16V			< COIL >	
C153	1-164-360-11	CERAMIC CHIP 0.1uF	16V	L101	1-469-553-21	INDUCTOR 4.7uH	
C159	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V			< TRANSISTOR >	
C162	1-104-665-11	ELECT 100uF	20% 10V	Q101	8-729-049-31	TRANSISTOR 2SB710A-RTX	
				Q102	8-729-920-85	TRANSISTOR 2SD1664-QR	
C165	1-164-360-11	CERAMIC CHIP 0.1uF	16V				
C167	1-162-919-11	CERAMIC CHIP 22PF	5% 50V				
C168	1-162-921-11	CERAMIC CHIP 33PF	5% 50V				
C171	1-115-412-11	CERAMIC CHIP 680PF	5% 25V				
C172	1-162-927-11	CERAMIC CHIP 100PF	5% 50V				
C181	1-115-412-11	CERAMIC CHIP 680PF	5% 25V				
C182	1-162-927-11	CERAMIC CHIP 100PF	5% 50V				
C183	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V				
C184	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V				
C185	1-125-891-11	CERAMIC CHIP 0.47uF	10% 10V				
C190	1-115-156-11	CERAMIC CHIP 1uF	10V				

HCD-DP800AV

Ver 1.2 2002.03

BD	CD PANEL	CD SENSOR	DRIVER
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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< RESISTOR >				D1115	8-719-057-97	DIODE SEL5923A-TP15 (DISC 2)	
R101	1-216-821-11	METAL CHIP 1K 5%	1/16W	D1116	8-719-057-97	DIODE SEL5923A-TP15 (DISC 3)	
R102	1-216-845-11	METAL CHIP 100K 5%	1/16W	D1117	8-719-071-44	DIODE SELS5223C-TP15 (I/⌚)	
R103	1-216-835-11	METAL CHIP 15K 5%	1/16W	< TRANSISTOR >			
R104	1-216-839-11	METAL CHIP 33K 5%	1/16W	Q1114	8-729-900-80	TRANSISTOR DTC114ES	
R105	1-216-821-11	METAL CHIP 1K 5%	1/16W	Q1115	8-729-900-80	TRANSISTOR DTC114ES	
R106	1-216-821-11	METAL CHIP 1K 5%	1/16W	Q1116	8-729-900-80	TRANSISTOR DTC114ES	
R107	1-216-833-11	METAL CHIP 10K 5%	1/16W	< RESISTOR >			
R108	1-216-827-11	METAL CHIP 3.3K 5%	1/16W	R1138	1-249-407-11	CARBON 150 5%	1/4W F
R109	1-216-857-11	METAL CHIP 1M 5%	1/16W	R1139	1-249-407-11	CARBON 150 5%	1/4W F
R111	1-216-846-11	METAL CHIP 120K 5%	1/16W	R1140	1-249-407-11	CARBON 150 5%	1/4W F
R114	1-218-745-11	RES-CHIP 160K 5%	1/16W	R1141	1-249-417-11	CARBON 1K 5%	1/4W F
R116	1-216-001-00	METAL CHIP 10 5%	1/10W	R1150	1-249-421-11	CARBON 2.2K 5%	1/4W F
R117	1-216-821-11	METAL CHIP 1K 5%	1/16W	R1151	1-249-422-11	CARBON 2.7K 5%	1/4W F
R118	1-216-809-11	METAL CHIP 100 5%	1/16W	R1152	1-249-424-11	CARBON 3.9K 5%	1/4W F
R119	1-216-826-11	METAL CHIP 2.7K 5%	1/16W	R1153	1-249-426-11	CARBON 5.6K 5%	1/4W
R120	1-216-835-11	METAL CHIP 15K 5%	1/16W	R1154	1-249-428-11	CARBON 8.2K 5%	1/4W F
R122	1-216-845-11	METAL CHIP 100K 5%	1/16W	< SWITCH >			
R123	1-216-833-11	METAL CHIP 10K 5%	1/16W	S1110	1-762-875-21	SWITCH, KEYBOARD (OPEN/CLOSE ▲)	
R124	1-216-845-11	METAL CHIP 100K 5%	1/16W	S1111	1-762-875-21	SWITCH, KEYBOARD (DISC SKIP EX-CHANGE)	
R131	1-216-813-11	METAL CHIP 220 5%	1/16W	S1112	1-762-875-21	SWITCH, KEYBOARD (DISC 3)	
R143	1-216-839-11	METAL CHIP 33K 5%	1/16W	S1113	1-762-875-21	SWITCH, KEYBOARD (DISC 2)	
R144	1-216-839-11	METAL CHIP 33K 5%	1/16W	S1114	1-762-875-21	SWITCH, KEYBOARD (DISC 1)	
R147	1-216-826-11	METAL CHIP 2.7K 5%	1/16W	S1115	1-762-875-21	SWITCH, KEYBOARD (I/⌚)	
R148	1-216-797-11	METAL CHIP 10 5%	1/16W	*****			
R149	1-216-797-11	METAL CHIP 10 5%	1/16W	1-675-911-14	CD SENSOR BOARD	*****	
R158	1-216-838-11	METAL CHIP 27K 5%	1/16W	< CAPACITOR >			
R159	1-216-838-11	METAL CHIP 27K 5%	1/16W	C712	1-164-159-11	CERAMIC 0.1uF	50V
R162	1-216-845-11	METAL CHIP 100K 5%	1/16W	< IC >			
R171	1-216-837-11	METAL CHIP 22K 5%	1/16W	IC711	8-749-016-76	IC RPI-321	
R172	1-216-837-11	METAL CHIP 22K 5%	1/16W	< RESISTOR >			
R173	1-216-837-11	METAL CHIP 22K 5%	1/16W	R711	1-247-876-11	CARBON 75K 5%	1/4W
R181	1-216-837-11	METAL CHIP 22K 5%	1/16W	R712	1-249-409-11	CARBON 220 5%	1/4W F
R182	1-216-837-11	METAL CHIP 22K 5%	1/16W	R713	1-249-429-11	CARBON 10K 5%	1/4W
R183	1-216-837-11	METAL CHIP 22K 5%	1/16W	< SWITCH >			
R190	1-216-813-11	METAL CHIP 220 5%	1/16W	S711	1-771-821-11	SWITCH, PUSH (1 KEY) (UP/DOWN SW)	
R191	1-216-839-11	METAL CHIP 33K 5%	1/16W	*****			
R192	1-216-839-11	METAL CHIP 33K 5%	1/16W	1-675-912-14	DRIVER BOARD	*****	
R193	1-216-846-11	METAL CHIP 120K 5%	1/16W	< CAPACITOR >			
R194	1-216-845-11	METAL CHIP 100K 5%	1/16W	C702	1-126-964-51	ELECT 10uF 20%	50V
R195	1-216-853-11	METAL CHIP 470K 5%	1/16W	< CONNECTOR >			
R196	1-216-825-11	METAL CHIP 2.2K 5%	1/16W	CN701	1-785-336-11	PIN, CONNECTOR(LIGHT ANGLE)10P	
R198	1-216-864-11	METAL CHIP 0 5%	1/16W	CN702	1-785-550-11	CONNECTOR, FFC/FPC 8P	
< NETWORK >				< DIODE >			
RN101	1-233-576-11	RES, CHIP NETWORK 100		D701	8-719-983-68	DIODE MTZJ-T-72-3.9A	
< VARIABLE RESISTOR>							
RV101	1-238-602-11	RES, ADJ, CARBON 47K (RF BALANCE)					
< VIBRATOR >							
X101	1-579-280-11	VIBRATOR, CRYSTAL (16.9344MHz)					

CD PANEL BOARD (included in PANEL BOARD)							

< DIODE >							
D1114	8-719-057-97	DIODE SEL5923A-TP15 (DISC 1)					

Ref. No.	Part No.	Description	Remarks			
< IC >						
IC701	8-759-598-69	IC BA6956AN				
< RESISTOR >						
R701	1-249-411-11	CARBON	330	5%	1/4W	
R702	1-249-401-11	CARBON	47	5%	1/4W	F

	A-4475-600-A	DSP MOUNTED BOARD, COMPLETE				(CND)
	A-4475-638-A	DSP MOUNTED BOARD, COMPLETE				(AEP)
	A-4475-653-A	DSP MOUNTED BOARD, COMPLETE				(AUS,KR)
	A-4475-982-A	DSP MOUNTED BOARD, COMPLETE				(AR,MX)

< CAPACITOR >						
C601	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C602	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C603	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C604	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C605	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C606	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C607	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C608	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C609	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C610	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C611	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C612	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C613	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C614	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C615	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C616	1-126-934-11	ELECT	220uF	20%	10V	
C617	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C618	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C619	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C620	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C621	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C622	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C623	1-126-934-11	ELECT	220uF	20%	10V	
C624	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C625	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	
C626	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	
C627	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C628	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C629	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C630	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C631	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C632	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C633	1-126-934-11	ELECT	220uF	20%	10V	
C634	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C635	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C636	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C637	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C638	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C639	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C640	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C641	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C642	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V	
C643	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V	
C644	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C645	1-126-934-11	ELECT	220uF	20%	10V	

Ref. No.	Part No.	Description	Remarks			
C646	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C647	1-126-934-11	ELECT	220uF	20%	10V	
C648	1-126-934-11	ELECT	220uF	20%	10V	
C649	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C650	1-126-934-11	ELECT	220uF	20%	10V	
C651	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C652	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C653	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C654	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C655	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C656	1-126-934-11	ELECT	220uF	20%	10V	
C657	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V	
C658	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C659	1-126-934-11	ELECT	220uF	20%	10V	
C660	1-126-934-11	ELECT	220uF	20%	10V	
C661	1-126-934-11	ELECT	220uF	20%	10V	
C662	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C664	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C665	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C666	1-126-934-11	ELECT	220uF	20%	10V	
C667	1-126-964-11	ELECT	10uF	20%	50V	
C668	1-126-964-11	ELECT	10uF	20%	50V	
C669	1-126-964-11	ELECT	10uF	20%	50V	
C670	1-126-964-11	ELECT	10uF	20%	50V	
C671	1-126-964-11	ELECT	10uF	20%	50V	
C672	1-126-964-11	ELECT	10uF	20%	50V	
C673	1-126-964-11	ELECT	10uF	20%	50V	
C674	1-126-964-11	ELECT	10uF	20%	50V	
C675	1-126-193-11	ELECT	1uF	20%	50V	
C676	1-126-193-11	ELECT	1uF	20%	50V	
C677	1-126-193-11	ELECT	1uF	20%	50V	
C678	1-126-964-11	ELECT	10uF	20%	50V	
C679	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C680	1-126-964-11	ELECT	10uF	20%	50V	
C681	1-126-193-11	ELECT	1uF	20%	50V	
C682	1-126-193-11	ELECT	1uF	20%	50V	
C683	1-126-193-11	ELECT	1uF	20%	50V	
C684	1-126-964-11	ELECT	10uF	20%	50V	
C685	1-126-964-11	ELECT	10uF	20%	50V	
C686	1-126-933-11	ELECT	100uF	20%	16V	
C687	1-126-933-11	ELECT	100uF	20%	16V	
C688	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AR,AUS,KR,MX)
C689	1-126-933-11	ELECT	100uF	20%	16V	
C690	1-126-934-11	ELECT	220uF	20%	10V	
C691	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C692	1-136-165-00	MYLAR	0.1uF	5%	50V	
C693	1-136-165-00	MYLAR	0.1uF	5%	50V	
C694	1-136-165-00	MYLAR	0.1uF	5%	50V	
C695	1-136-165-00	MYLAR	0.1uF	5%	50V	
C698	1-126-959-11	ELECT	0.47uF	20%	50V	
C699	1-126-964-11	ELECT	10uF	20%	50V	
C700	1-126-964-11	ELECT	10uF	20%	50V	
C701	1-126-193-11	ELECT	1uF	20%	50V	
C702	1-126-960-11	ELECT	1uF	20%	50V	
C703	1-126-960-11	ELECT	1uF	20%	50V	
C704	1-126-961-11	ELECT	2.2uF	20%	50V	
C705	1-126-964-11	ELECT	10uF	20%	50V	
C706	1-126-964-11	ELECT	10uF	20%	50V	
C707	1-126-964-11	ELECT	10uF	20%	50V	
C708	1-126-964-11	ELECT	10uF	20%	50V	

HCD-DP800AV

DSP

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C709	1-126-964-11	ELECT 10uF 20%	50V	FB606	1-216-805-11	METAL CHIP 47 5%	1/16W
C710	1-126-964-11	ELECT 10uF 20%	50V	FB607	1-500-445-21	FERRITE 0UH	
C711	1-162-962-11	CERAMIC CHIP 470PF 10%	50V	FB608	1-500-445-21	FERRITE 0UH	
C712	1-162-962-11	CERAMIC CHIP 470PF 10%	50V	FB609	1-500-445-21	FERRITE 0UH	
C713	1-162-957-11	CERAMIC CHIP 220PF 5%	50V	< IC >			
C714	1-162-957-11	CERAMIC CHIP 220PF 5%	50V	IC601	8-759-698-76	IC CXD9617R	
C715	1-162-957-11	CERAMIC CHIP 220PF 5%	50V	IC602	8-759-827-81	IC IS61LV6416-15T(T&R)	
C716	1-162-957-11	CERAMIC CHIP 220PF 5%	50V	IC603	8-759-238-47	IC TC74HCT7007AF(EL)	
C717	1-164-156-11	CERAMIC CHIP 0.1uF	25V	IC604	8-759-825-15	IC LC89056W-E	
C719	1-164-156-11	CERAMIC CHIP 0.1uF	25V	IC605	8-759-657-47	IC AK4527	
C720	1-162-957-11	CERAMIC CHIP 220PF 5%	50V	IC606	8-759-825-13	IC PCM1748E/2K	
C721	1-126-934-11	ELECT 220uF 20%	10V	IC607	8-749-018-85	IC M61512FP	
C722	1-164-156-11	CERAMIC CHIP 0.1uF	25V	IC608	8-759-549-25	IC SN74LVU04APWR	
C723	1-126-964-11	ELECT 10uF 20%	50V	IC609	8-749-923-04	IC TOTX178A (DIGITAL OUT (OPTICAL))	
C724	1-164-156-11	CERAMIC CHIP 0.1uF	25V	IC610	8-759-835-63	IC NJM2391DL1-26-TE1	
C725	1-126-964-11	ELECT 10uF 20%	50V	< JACK >			
C726	1-164-156-11	CERAMIC CHIP 0.1uF	25V	J601	1-770-890-11	JACK, PIN 6P (GAME/MD(VIDEO))	
C727	1-126-964-11	ELECT 10uF 20%	50V	J602	1-774-785-11	JACK, PIN 1P (SUB WOOFER OUT)	
C728	1-164-156-11	CERAMIC CHIP 0.1uF	25V	< JUMPER RESISTOR >			
C729	1-126-964-11	ELECT 10uF 20%	50V	JR601	1-216-864-11	METAL CHIP 0 5%	1/16W
C730	1-126-964-11	ELECT 10uF 20%	50V	JR603	1-216-864-11	METAL CHIP 0 5%	1/16W
C731	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR620	1-216-864-11	METAL CHIP 0 5%	1/16W
C732	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR621	1-216-864-11	METAL CHIP 0 5%	1/16W
C733	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR622	1-216-864-11	METAL CHIP 0 5%	1/16W
C734	1-164-156-11	CERAMIC CHIP 0.1uF	25V	< TRANSISTOR >			
C735	1-164-156-11	CERAMIC CHIP 0.1uF	25V	Q601	8-729-801-93	TRANSISTOR 2SD1387-3	
C736	1-164-156-11	CERAMIC CHIP 0.1uF	25V	Q602	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C738	1-164-357-11	CERAMIC CHIP 0.001uF 5%	50V	Q603	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C739	1-164-357-11	CERAMIC CHIP 0.001uF 5%	50V	Q604	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C740	1-164-156-11	CERAMIC CHIP 0.1uF	25V	Q605	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C741	1-164-156-11	CERAMIC CHIP 0.1uF	25V	Q606	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16	
C742	1-164-357-11	CERAMIC CHIP 0.001uF 5%	50V	Q607	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16	
< CONNECTOR >				Q608	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16	
* CN601	1-568-941-11	PIN, CONNECTOR 3P		Q609	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16	
CN602	1-779-289-11	CONNECTOR,FFC(LIF(NON-ZIF))21P		Q610	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16	
CN603	1-779-291-11	CONNECTOR,FFC(LIF(NON-ZIF))23P		Q611	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16	
< DIODE >				Q612	8-729-113-69	TRANSISTOR FN1F4M-M32	
D601	8-719-158-02	DIODE RD3.9SB2		Q613	8-729-113-13	TRANSISTOR FA1A4M-L33	
D604	8-719-988-61	DIODE 1SS355TE-17		< RESISTOR >			
D605	8-719-988-61	DIODE 1SS355TE-17		R601	1-216-809-11	METAL CHIP 100 5%	1/16W
D606	8-719-988-61	DIODE 1SS355TE-17		R602	1-216-821-11	METAL CHIP 1K 5%	1/16W
D607	8-719-058-24	DIODE RB501V-40TE-17 (AR,MX)		R603	1-216-809-11	METAL CHIP 100 5%	1/16W
D608	8-719-058-24	DIODE RB501V-40TE-17 (AR,MX)		R604	1-216-809-11	METAL CHIP 100 5%	1/16W
D609	8-719-058-24	DIODE RB501V-40TE-17 (AR,MX)		R605	1-216-809-11	METAL CHIP 100 5%	1/16W
D610	8-719-058-24	DIODE RB501V-40TE-17 (AR,MX)		R606	1-216-809-11	METAL CHIP 100 5%	1/16W
< EARTH TERMINAL >				R607	1-216-809-11	METAL CHIP 100 5%	1/16W
* EP601	1-537-738-21	TERMINAL, EARTH		R608	1-216-809-11	METAL CHIP 100 5%	1/16W
* EP602	1-537-738-21	TERMINAL, EARTH		R610	1-216-809-11	METAL CHIP 100 5%	1/16W
* EP603	1-537-738-21	TERMINAL, EARTH		R611	1-216-809-11	METAL CHIP 100 5%	1/16W
* EP604	1-537-738-21	TERMINAL, EARTH		R612	1-216-809-11	METAL CHIP 100 5%	1/16W
< FERRITE BEAD >				R613	1-216-809-11	METAL CHIP 100 5%	1/16W
FB601	1-216-864-11	METAL CHIP 0 5%	1/16W	R614	1-216-809-11	METAL CHIP 100 5%	1/16W
FB602	1-216-864-11	METAL CHIP 0 5%	1/16W	R615	1-216-809-11	METAL CHIP 100 5%	1/16W
FB603	1-500-445-21	FERRITE 0UH		R616	1-216-809-11	METAL CHIP 100 5%	1/16W
FB604	1-216-864-11	METAL CHIP 0 5%	1/16W	R617	1-216-809-11	METAL CHIP 100 5%	1/16W
FB605	1-216-864-11	METAL CHIP 0 5%	1/16W	R618	1-216-809-11	METAL CHIP 100 5%	1/16W

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R619	1-216-809-11	METAL CHIP	100	5%	1/16W	R684	1-216-809-11	METAL CHIP	100	5%	1/16W
R620	1-216-809-11	METAL CHIP	100	5%	1/16W	R685	1-216-809-11	METAL CHIP	100	5%	1/16W
R621	1-216-809-11	METAL CHIP	100	5%	1/16W	R686	1-216-809-11	METAL CHIP	100	5%	1/16W
R623	1-216-833-11	METAL CHIP	10K	5%	1/16W	R687	1-216-809-11	METAL CHIP	100	5%	1/16W
R628	1-216-809-11	METAL CHIP	100	5%	1/16W	R688	1-216-809-11	METAL CHIP	100	5%	1/16W
R629	1-216-809-11	METAL CHIP	100	5%	1/16W	R689	1-216-821-11	METAL CHIP	1K	5%	1/16W
R630	1-216-809-11	METAL CHIP	100	5%	1/16W	R690	1-216-857-11	METAL CHIP	1M	5%	1/16W
R631	1-216-809-11	METAL CHIP	100	5%	1/16W	R691	1-216-864-11	METAL CHIP	0	5%	1/16W
R632	1-216-809-11	METAL CHIP	100	5%	1/16W	R692	1-216-809-11	METAL CHIP	100	5%	1/16W
R633	1-216-809-11	METAL CHIP	100	5%	1/16W	R693	1-216-809-11	METAL CHIP	100	5%	1/16W
R634	1-216-809-11	METAL CHIP	100	5%	1/16W	R694	1-216-809-11	METAL CHIP	100	5%	1/16W
R635	1-216-809-11	METAL CHIP	100	5%	1/16W	R695	1-216-809-11	METAL CHIP	100	5%	1/16W
R636	1-216-809-11	METAL CHIP	100	5%	1/16W	R696	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R637	1-216-809-11	METAL CHIP	100	5%	1/16W	R697	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R638	1-216-809-11	METAL CHIP	100	5%	1/16W	R698	1-216-852-11	METAL CHIP	390K	5%	1/16W
R639	1-216-809-11	METAL CHIP	100	5%	1/16W	R699	1-216-852-11	METAL CHIP	390K	5%	1/16W
R640	1-216-809-11	METAL CHIP	100	5%	1/16W	R700	1-216-833-11	METAL CHIP	10K	5%	1/16W
R641	1-216-809-11	METAL CHIP	100	5%	1/16W	R701	1-216-833-11	METAL CHIP	10K	5%	1/16W
R642	1-216-809-11	METAL CHIP	100	5%	1/16W	R702	1-216-857-11	METAL CHIP	1M	5%	1/16W
R643	1-216-815-11	METAL CHIP	330	5%	1/16W	R703	1-216-857-11	METAL CHIP	1M	5%	1/16W
R644	1-216-815-11	METAL CHIP	330	5%	1/16W	R706	1-216-841-11	METAL CHIP	47K	5%	1/16W
R645	1-216-815-11	METAL CHIP	330	5%	1/16W	R707	1-216-841-11	METAL CHIP	47K	5%	1/16W
R646	1-216-815-11	METAL CHIP	330	5%	1/16W	R708	1-216-857-11	METAL CHIP	1M	5%	1/16W
R647	1-216-815-11	METAL CHIP	330	5%	1/16W	R709	1-216-841-11	METAL CHIP	47K	5%	1/16W
R648	1-216-815-11	METAL CHIP	330	5%	1/16W	R711	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R649	1-216-817-11	METAL CHIP	470	5%	1/16W	R712	1-216-845-11	METAL CHIP	100K	5%	1/16W
R650	1-216-817-11	METAL CHIP	470	5%	1/16W	R713	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R651	1-216-817-11	METAL CHIP	470	5%	1/16W	R715	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R652	1-216-817-11	METAL CHIP	470	5%	1/16W	R716	1-216-845-11	METAL CHIP	100K	5%	1/16W
R653	1-216-833-11	METAL CHIP	10K	5%	1/16W	R717	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R654	1-216-833-11	METAL CHIP	10K	5%	1/16W	R719	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R655	1-216-833-11	METAL CHIP	10K	5%	1/16W	R720	1-216-845-11	METAL CHIP	100K	5%	1/16W
R656	1-216-833-11	METAL CHIP	10K	5%	1/16W	R721	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R657	1-216-809-11	METAL CHIP	100	5%	1/16W	R723	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R658	1-216-809-11	METAL CHIP	100	5%	1/16W	R724	1-216-845-11	METAL CHIP	100K	5%	1/16W
R659	1-216-809-11	METAL CHIP	100	5%	1/16W	R725	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R660	1-216-815-11	METAL CHIP	330	5%	1/16W	R727	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R661	1-216-815-11	METAL CHIP	330	5%	1/16W	R728	1-216-845-11	METAL CHIP	100K	5%	1/16W
R662	1-216-809-11	METAL CHIP	100	5%	1/16W	R729	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R663	1-216-817-11	METAL CHIP	470	5%	1/16W	R730	1-216-837-11	METAL CHIP	22K	5%	1/16W
R664	1-216-809-11	METAL CHIP	100	5%	1/16W	R731	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R665	1-216-809-11	METAL CHIP	100	5%	1/16W	R733	1-216-821-11	METAL CHIP	1K	5%	1/16W
R666	1-216-809-11	METAL CHIP	100	5%	1/16W	R734	1-216-821-11	METAL CHIP	1K	5%	1/16W
R667	1-216-809-11	METAL CHIP	100	5%	1/16W	R736	1-216-821-11	METAL CHIP	1K	5%	1/16W
R668	1-216-809-11	METAL CHIP	100	5%	1/16W	R737	1-216-821-11	METAL CHIP	1K	5%	1/16W
R669	1-216-809-11	METAL CHIP	100	5%	1/16W	R740	1-216-835-11	METAL CHIP	15K	5%	1/16W
R670	1-216-809-11	METAL CHIP	100	5%	1/16W	R741	1-216-835-11	METAL CHIP	15K	5%	1/16W
R671	1-216-809-11	METAL CHIP	100	5%	1/16W	R744	1-216-833-11	METAL CHIP	10K	5%	1/16W
R672	1-216-809-11	METAL CHIP	100	5%	1/16W	R745	1-216-833-11	METAL CHIP	10K	5%	1/16W
R673	1-216-809-11	METAL CHIP	100	5%	1/16W	R747	1-216-845-11	METAL CHIP	100K	5%	1/16W
R674	1-216-809-11	METAL CHIP	100	5%	1/16W	R748	1-216-845-11	METAL CHIP	100K	5%	1/16W
R675	1-216-809-11	METAL CHIP	100	5%	1/16W	R749	1-216-834-11	METAL CHIP	12K	5%	1/16W
R676	1-216-809-11	METAL CHIP	100	5%	1/16W	R750	1-216-834-11	METAL CHIP	12K	5%	1/16W
R677	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	R751	1-216-841-11	METAL CHIP	47K	5%	1/16W
R678	1-216-833-11	METAL CHIP	10K	5%	1/16W	R752	1-216-841-11	METAL CHIP	47K	5%	1/16W
R679	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R753	1-216-809-11	METAL CHIP	100	5%	1/16W
R680	1-216-827-11	METAL CHIP	3.3K	5%	1/16W	R754	1-216-809-11	METAL CHIP	100	5%	1/16W
R681	1-216-839-11	METAL CHIP	33K	5%	1/16W	R756	1-216-841-11	METAL CHIP	47K	5%	1/16W
R682	1-216-809-11	METAL CHIP	100	5%	1/16W	R757	1-216-841-11	METAL CHIP	47K	5%	1/16W
R683	1-216-809-11	METAL CHIP	100	5%	1/16W	R758	1-216-821-11	METAL CHIP	1K	5%	1/16W

HCD-DP800AV

DSP

FRONT AMP

Ref. No.	Part No.	Description			Remarks
R759	1-216-821-11	METAL CHIP	1K	5%	1/16W
R760	1-216-821-11	METAL CHIP	1K	5%	1/16W
R761	1-216-821-11	METAL CHIP	1K	5%	1/16W
R762	1-216-821-11	METAL CHIP	1K	5%	1/16W
R763	1-216-821-11	METAL CHIP	1K	5%	1/16W
R765	1-216-821-11	METAL CHIP	1K	5%	1/16W
R766	1-216-821-11	METAL CHIP	1K	5%	1/16W
R767	1-216-821-11	METAL CHIP	1K	5%	1/16W
R768	1-216-833-11	METAL CHIP	10K	5%	1/16W
R769	1-216-821-11	METAL CHIP	1K	5%	1/16W
R770	1-216-821-11	METAL CHIP	1K	5%	1/16W
R771	1-216-833-11	METAL CHIP	10K	5%	1/16W
R772	1-216-821-11	METAL CHIP	1K	5%	1/16W
R773	1-216-821-11	METAL CHIP	1K	5%	1/16W
R774	1-216-821-11	METAL CHIP	1K	5%	1/16W
R775	1-216-833-11	METAL CHIP	10K	5%	1/16W
R776	1-216-833-11	METAL CHIP	10K	5%	1/16W
R777	1-216-833-11	METAL CHIP	10K	5%	1/16W
R778	1-216-821-11	METAL CHIP	1K	5%	1/16W (AR,AUS,KR,MX)
R779	1-216-841-11	METAL CHIP	47K	5%	1/16W
R780	1-216-841-11	METAL CHIP	47K	5%	1/16W
R781	1-216-841-11	METAL CHIP	47K	5%	1/16W
R782	1-216-841-11	METAL CHIP	47K	5%	1/16W (AR,AUS,KR,MX)
R783	1-216-809-11	METAL CHIP	100	5%	1/16W (AR,AUS,KR,MX)
< VIBRATOR >					
X601	1-579-993-21	VIBRATOR, CERAMIC (13.5MHz)			

	A-4475-607-A	FRONT AMP BOARD, COMPLETE			(CND)
	A-4475-643-A	FRONT AMP BOARD, COMPLETE			(AEP)
	A-4475-658-A	FRONT AMP BOARD, COMPLETE			(AUS,KR)
	A-4476-409-A	FRONT AMP BOARD, COMPLETE			(AR,MX)

	7-685-646-79	SCREW +BVTP	3X8	TYPE2 N-S	
< CAPACITOR >					
C801	1-128-582-11	ELECT	10uF	20%	100V (CND)
C801	1-126-964-11	ELECT	10uF	20%	50V (AEP,AR,AUS,KR,MX)
C802	1-162-292-31	CERAMIC	680PF	10%	50V
C803	1-162-286-31	CERAMIC	220PF	10%	50V (AEP)
C803	1-162-282-31	CERAMIC	100PF	10%	50V (AR,AUS,CND,KR,MX)
C804	1-126-933-11	ELECT	100uF	20%	16V
C805	1-102-936-00	CERAMIC	3.0PF	+-0.25PF 50V	
C806	1-136-495-11	FILM	0.068uF	5%	50V
C807	1-136-495-11	FILM	0.068uF	5%	50V
C808	1-128-560-11	ELECT	22uF	20%	100V
C812	1-136-165-00	FILM	0.1uF	5%	50V
C816	1-162-306-11	CERAMIC	0.01uF	30%	16V
C821	1-128-562-11	ELECT	47uF	20%	100V
C822	1-126-968-11	ELECT	100uF	20%	50V
C831	1-126-964-11	ELECT	10uF	20%	50V
C832	1-126-382-11	ELECT	100uF	20%	10V
C833	1-126-961-11	ELECT	2.2uF	20%	50V

Ref. No.	Part No.	Description	Remarks		
C834	1-104-665-11	ELECT	100uF	20%	10V
C851	1-128-582-11	ELECT	10uF	20%	100V (CND)
C851	1-126-964-11	ELECT	10uF	20%	50V (AEP,AR,AUS,KR,MX)
C852	1-162-292-31	CERAMIC	680PF	10%	50V
C853	1-162-286-31	CERAMIC	220PF	10%	50V (AEP)
C853	1-162-282-31	CERAMIC	100PF	10%	50V (AR,AUS,CND,KR,MX)
C854	1-126-933-11	ELECT	100uF	20%	16V
C855	1-102-936-00	CERAMIC	3.0PF	+-0.25PF 50V	
C856	1-136-495-11	FILM	0.068uF	5%	50V
C857	1-136-495-11	FILM	0.068uF	5%	50V
C858	1-128-560-11	ELECT	22uF	20%	100V
C862	1-136-165-00	FILM	0.1uF	5%	50V
C871	1-130-777-00	MYLAR	0.1uF	5%	100V
C871	1-137-749-11	MYLAR	0.1uF		100V
C872	1-130-777-00	MYLAR	0.1uF	5%	100V
C872	1-137-749-11	MYLAR	0.1uF		100V
C873	1-137-847-11	ELECT	2200uF	20%	71V (AUS,KR)
C873	1-135-928-11	ELECT	2200uF	20%	63V (AEP,CND)
C873	1-137-841-11	ELECT	2200uF	20%	71V (AR,MX)
C874	1-137-847-11	ELECT	2200uF	20%	71V (AUS,KR)
C874	1-135-928-21	ELECT	2200uF	20%	63V (AEP,CND)
C874	1-137-841-11	ELECT	2200uF	20%	71V (AR,MX)
C881	1-136-165-00	FILM	0.1uF	5%	50V
C882	1-136-165-00	FILM	0.1uF	5%	50V
C883	1-136-165-00	FILM	0.1uF	5%	50V
C884	1-136-165-00	FILM	0.1uF	5%	50V
C885	1-162-306-11	CERAMIC	0.01uF	30%	16V
C886	1-162-306-11	CERAMIC	0.01uF	30%	16V
C923	1-126-964-11	ELECT	10uF	20%	50V
C924	1-126-926-11	ELECT	1000uF	20%	10V
C925	1-126-964-11	ELECT	10uF	20%	50V
C926	1-126-933-11	ELECT	100uF	20%	16V
< CONNECTOR >					
CN801	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CN802	1-784-031-21	CONNECTOR, BOARD TO BOARD 8P			
CN803	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
CN804	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
< DIODE >					
D801	8-719-911-19	DIODE	1SS119-25		
D802	8-719-947-65	DIODE	MTZJ-T-72-16B		
D821	8-719-911-19	DIODE	1SS119-25		
D830	8-719-911-19	DIODE	1SS119-25		
D831	8-719-911-19	DIODE	1SS119-25		
D851	8-719-911-19	DIODE	1SS119-25		
D852	8-719-947-65	DIODE	MTZJ-T-72-16B		
D871	8-719-510-68	DIODE	D5SBA204101		
D881	8-719-911-19	DIODE	1SS119-25		
D891	8-719-911-19	DIODE	1SS119-25		
< IC >					

FRONT AMP

HEAD (A)

HEAD (B)

LEAF SW

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
IC922	8-759-701-59	IC NJM7809FA		R853	1-249-413-11	CARBON	470 5% 1/4W F
IC923	8-759-088-08	IC UPC7812AHF					(AEP)
		< COIL >		R853	1-249-411-11	CARBON	330 5% 1/4W (CND)
L881	1-420-872-00	COIL, AIR-CORE		R853	1-249-408-11	CARBON	180 5% 1/4W F (AR,AUS,KR,MX)
L882	1-420-872-00	COIL, AIR-CORE		R854	1-249-438-11	CARBON	56K 5% 1/4W
		< TRANSISTOR >		△ R855	1-220-755-11	METAL	0.22 10% 2W
Q801	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		△ R856	1-220-755-11	METAL	0.22 10% 2W
Q821	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R857	1-249-417-11	CARBON	1K 5% 1/4W F
Q822	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R858	1-249-431-11	CARBON	15K 5% 1/4W
Q823	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R859	1-249-441-11	CARBON	100K 5% 1/4W
Q831	8-729-119-78	TRANSISTOR 2SC2785-HFE		R860	1-260-076-11	CARBON	10 5% 1/2W
Q832	8-729-119-78	TRANSISTOR 2SC2785-HFE		△ R861	1-212-881-11	FUSIBLE	100 5% 1/4W
Q833	8-729-119-78	TRANSISTOR 2SC2785-HFE		R862	1-260-330-11	CARBON	1.5K 5% 1/2W
Q834	8-729-119-78	TRANSISTOR 2SC2785-HFE		R871	1-249-441-11	CARBON	100K 5% 1/4W
Q835	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R872	1-249-441-11	CARBON	100K 5% 1/4W
Q836	8-729-119-78	TRANSISTOR 2SC2785-HFE		△ R880	1-215-888-00	METAL OXIDE	220 5% 2W (AEP,CND)
Q837	8-729-119-78	TRANSISTOR 2SC2785-HFE		△ R880	1-215-889-00	METAL OXIDE	330 5% 2W (AR,AUS,KR,MX)
Q851	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R881	1-260-076-11	CARBON	10 5% 1/2W
Q881	8-729-119-76	TRANSISTOR 2SA1175-HFE		R882	1-260-076-11	CARBON	10 5% 1/2W
Q882	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R883	1-260-076-11	CARBON	10 5% 1/2W
		< RESISTOR >		R884	1-260-076-11	CARBON	10 5% 1/2W
R801	1-249-417-11	CARBON	1K 5% 1/4W F	R885	1-249-437-11	CARBON	47K 5% 1/4W
R802	1-249-438-11	CARBON	56K 5% 1/4W	R886	1-249-437-11	CARBON	47K 5% 1/4W
R803	1-249-413-11	CARBON	470 5% 1/4W F (AEP)	R887	1-249-429-11	CARBON	10K 5% 1/4W
R803	1-249-411-11	CARBON	330 5% 1/4W (CND)	R888	1-249-437-11	CARBON	47K 5% 1/4W
R803	1-249-408-11	CARBON	180 5% 1/4W F (AR,AUS,KR,MX)	R889	1-249-429-11	CARBON	10K 5% 1/4W
		< RELAY >		R890	1-249-441-11	CARBON	100K 5% 1/4W
R804	1-249-438-11	CARBON	56K 5% 1/4W				
△ R805	1-220-755-11	METAL	0.22 10% 2W	RY881	1-515-920-11	RELAY	
△ R806	1-220-755-11	METAL	0.22 10% 2W				
R807	1-249-417-11	CARBON	1K 5% 1/4W F				
R808	1-249-431-11	CARBON	15K 5% 1/4W				
		< TERMINAL >					
R809	1-249-441-11	CARBON	100K 5% 1/4W	TM801	1-694-677-12	TERMINAL BOARD (4P) (FRONT SPEAKER)	
R810	1-260-076-11	CARBON	10 5% 1/2W	*****			
△ R811	1-212-881-11	FUSIBLE	100 5% 1/4W	A-2007-839-A	HEAD (A) BOARD, COMPLETE		
R812	1-260-330-11	CARBON	1.5K 5% 1/2W	*****			
R819	1-249-429-11	CARBON	10K 5% 1/4W				
		< CONNECTOR >					
△ R820	1-202-972-61	FUSIBLE	1 5% 1/4W	* CN1	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
R821	1-249-421-11	CARBON	2.2K 5% 1/4W F	*****			
R822	1-249-433-11	CARBON	22K 5% 1/4W	A-2007-840-A	HEAD (B) BOARD, COMPLETE		
R823	1-249-429-11	CARBON	10K 5% 1/4W	*****			
R824	1-249-421-11	CARBON	2.2K 5% 1/4W F				
		< CONNECTOR >					
R825	1-249-439-11	CARBON	68K 5% 1/4W	CN2	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P	
R826	1-249-426-11	CARBON	5.6K 5% 1/4W	*****			
R827	1-249-431-11	CARBON	15K 5% 1/4W				
R828	1-249-435-11	CARBON	33K 5% 1/4W				
R830	1-249-425-11	CARBON	4.7K 5% 1/4W F				
		< CAPACITOR >					
R831	1-249-425-11	CARBON	4.7K 5% 1/4W F	A-2007-838-A	LEAF SW BOARD, COMPLETE		
R833	1-249-425-11	CARBON	4.7K 5% 1/4W F	*****			
R834	1-249-433-11	CARBON	22K 5% 1/4W				
R835	1-249-435-11	CARBON	33K 5% 1/4W				
R836	1-249-429-11	CARBON	10K 5% 1/4W				
		< CAPACITOR >					
R837	1-249-429-11	CARBON	10K 5% 1/4W	C1001	1-107-716-11	ELECT	33uF 20% 10V
R839	1-249-437-11	CARBON	47K 5% 1/4W				
R840	1-249-438-11	CARBON	56K 5% 1/4W				
R851	1-249-417-11	CARBON	1K 5% 1/4W F				
R852	1-249-438-11	CARBON	56K 5% 1/4W				

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

HCD-DP800AV

LEAF SW

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< CONNECTOR >				C14	1-162-974-11	CERAMIC CHIP	0.01uF 50V
CN1001	1-784-459-11	CONNECTOR, FFC/FPC 17P		C15	1-162-974-11	CERAMIC CHIP	0.01uF 50V
				C16	1-126-947-11	ELECT	47uF 20% 16V
				C17	1-126-959-11	ELECT	0.47uF 20% 50V
				C18	1-126-960-11	ELECT	1uF 20% 50V
				< DIODE >			
D1001	8-719-911-19	DIODE 1SS119-25		C20	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (AEP,CND)
D1002	8-719-911-19	DIODE 1SS119-25		C20	1-164-245-11	CERAMIC CHIP	0.015uF 10% 25V (AR,AUS,KR,MX)
< IC >				C21	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V (AEP,CND)
IC1001	8-749-01676	IC RPI-321		C21	1-164-245-11	CERAMIC CHIP	0.015uF 10% 25V (AR,AUS,KR,MX)
IC1002	8-749-01676	IC RPI-321		< TRANSISTOR >			
Q1001	8-729-029-56	TRANSISTOR DTA144ESA		C22	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
< RESISTOR >				C23	1-164-360-11	CERAMIC CHIP	0.1uF 16V
R907	1-247-879-11	CARBON 100K 5% 1/4W		C24	1-126-963-11	ELECT	4.7uF 20% 50V
R1001	1-249-409-11	CARBON 220 5% 1/4W	F	C25	1-126-964-11	ELECT	10uF 20% 50V
R1002	1-249-409-11	CARBON 220 5% 1/4W	F	C26	1-162-959-11	CERAMIC CHIP	330PF 5% 50V (AEP)
R1003	1-249-414-11	CARBON 560 5% 1/4W	F	C26	1-164-471-11	CERAMIC CHIP	680PF 5% 50V (AR,AUS,CND,KR,MX)
R1004	1-247-834-11	CARBON 1.3K 5% 1/4W					
R1005	1-247-818-11	CARBON 300 5% 1/4W		C27	1-162-974-11	CERAMIC CHIP	0.01uF 50V
R1006	1-247-864-11	CARBON 24K 5% 1/4W		C28	1-126-963-11	ELECT	4.7uF 20% 50V
R1007	1-247-780-00	CARBON 7.5 5% 1/4W		C29	1-162-974-11	CERAMIC CHIP	0.01uF 50V
R1008	1-249-417-11	CARBON 1K 5% 1/4W	F	C30	1-126-962-11	ELECT	3.3uF 20% 50V
< VARIABLE RESISTOR >				C31	1-162-974-11	CERAMIC CHIP	0.01uF 50V
RV1001	1-241-785-11	RES, ADJ, CARBON 10K (HIGH, SPEED)		C32	1-126-963-11	ELECT	4.7uF 20% 50V
RV1002	1-241-785-11	RES, ADJ, CARBON 10K (NORM, SPEED)		C34	1-162-967-11	CERAMIC CHIP	0.0033uF 10% 50V
< SWITCH >				C35	1-126-947-11	ELECT	47uF 20% 16V
S1001	1-570-953-11	SWITCH, PUSH (1 KEY) (DECK A PLAY)		C36	1-126-963-11	ELECT	4.7uF 20% 50V
S1002	1-570-953-11	SWITCH, PUSH (1 KEY) (DECK B PLAY)		C38	1-162-967-11	CERAMIC CHIP	0.0033uF 10% 50V
S1003	1-771-333-11	SWITCH, LEAF (DECK A HALF)		C39	1-164-361-11	CERAMIC CHIP	0.047uF 16V
S1004	1-771-536-12	SWITCH, LEAF (DECK A 120/70)		C40	1-164-361-11	CERAMIC CHIP	0.047uF 16V
S1005	1-771-536-12	SWITCH, LEAF (DECK A REC)		C41	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V
S1006	1-771-333-11	SWITCH, LEAF (DECK B HALF)		C42	1-162-940-11	CERAMIC CHIP	9PF 0.5PF 50V
S1008	1-771-536-12	SWITCH, LEAF (DECK B 120/70)		C43	1-162-974-11	CERAMIC CHIP	0.01uF 50V
S1009	1-771-536-12	SWITCH, LEAF (DECK B REC)		C46	1-162-974-11	CERAMIC CHIP	0.01uF 50V
*****				C48	1-162-947-11	CERAMIC CHIP	33PF 5% 50V (AEP)
A-4475-604-A	MAIN MOUNTED BOARD, COMPLETE		(CND)	C49	1-162-947-11	CERAMIC CHIP	33PF 5% 50V (AEP)
A-4475-640-A	MAIN MOUNTED BOARD, COMPLETE		(AEP)	C51	1-162-920-11	CERAMIC CHIP	27PF 5% 50V
A-4475-655-A	MAIN MOUNTED BOARD, COMPLETE		(AUS)	C52	1-162-920-11	CERAMIC CHIP	27PF 5% 50V
A-4475-986-A	MAIN MOUNTED BOARD, COMPLETE		(AR,MX)	C53	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
A-4476-098-A	MAIN MOUNTED BOARD, COMPLETE		(KR)	C56	1-162-974-11	CERAMIC CHIP	0.01uF 50V
*****				C57	1-126-947-11	ELECT	47uF 20% 16V
< CAPACITOR >				C58	1-126-961-11	ELECT	2.2uF 20% 50V
C1	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C59	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C2	1-162-974-11	CERAMIC CHIP	0.01uF 50V (AEP,AR,AUS,KR,MX)	C60	1-126-947-11	ELECT	47uF 20% 16V
C3	1-126-947-11	ELECT	47uF 20% 16V	C61	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C4	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C62	1-126-959-11	ELECT	0.47uF 20% 50V
C5	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C63	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C7	1-162-974-11	CERAMIC CHIP	0.01uF 50V (CND)	C69	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C7	1-216-864-11	METAL CHIP	0 5% 1/16W (AR,AUS,KR,MX)	C81	1-164-363-11	CERAMIC CHIP	560PF 5% 50V (AEP)
C11	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C82	1-162-959-11	CERAMIC CHIP	330PF 5% 50V (AEP)
C12	1-126-947-11	ELECT	47uF 20% 16V	C83	1-126-964-11	ELECT	10uF 20% 50V (AEP)
C13	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C84	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V (AEP)

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
C85	1-126-961-11	ELECT	2.2uF	20%	50V (AEP)	C328	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C86	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP)	C329	1-130-483-00	MYLAR	0.01uF	5%	50V
C87	1-164-363-11	CERAMIC CHIP	560PF	5%	50V (AEP)	C330	1-126-964-11	ELECT	10uF	20%	50V
C88	1-126-961-11	ELECT	2.2uF	20%	50V (AEP)	C331	1-126-965-11	ELECT	22uF	20%	50V
C89	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP)	C332	1-137-427-11	MYLAR	120PF	5%	50V
C90	1-162-924-11	CERAMIC CHIP	56PF	5%	50V (AEP)	C333	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C91	1-162-924-11	CERAMIC CHIP	56PF	5%	50V (AEP)	C334	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C92	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (AEP)	C335	1-137-150-11	MYLAR	0.01uF	5%	100V
C105	1-126-964-11	ELECT	10uF	20%	50V	C336	1-126-961-11	ELECT	2.2uF	20%	50V
C111	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C337	1-130-485-00	MYLAR	0.015uF	5%	50V
C112	1-126-963-11	ELECT	4.7uF	20%	50V	C338	1-130-481-00	MYLAR	0.0068uF	5%	50V
C113	1-126-965-11	ELECT	22uF	20%	50V	C339	1-130-481-00	MYLAR	0.0068uF	5%	50V
C114	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C340	1-130-486-00	MYLAR	0.018uF	10%	50V
C121	1-107-721-11	ELECT	4.7uF	20%	100V	C341	1-126-960-11	ELECT	1uF	20%	50V
C141	1-126-964-11	ELECT	10uF	20%	50V	C342	1-126-947-11	ELECT	47uF	20%	16V
C143	1-126-964-11	ELECT	10uF	20%	50V	C343	1-126-964-11	ELECT	10uF	20%	50V
C155	1-126-964-11	ELECT	10uF	20%	50V	C351	1-126-960-11	ELECT	1uF	20%	50V
C171	1-107-721-11	ELECT	4.7uF	20%	100V	C352	1-130-479-00	MYLAR	0.0047uF	5%	50V
C202	1-126-935-11	ELECT	470uF	20%	10V	C353	1-136-165-00	FILM	0.1uF	5%	50V
C203	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C354	1-136-165-00	FILM	0.1uF	5%	50V
C204	1-126-916-11	ELECT	1000uF	20%	6.3V	C355	1-126-964-11	ELECT	10uF	20%	50V
C205	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C356	1-126-960-11	ELECT	1uF	20%	50V
C206	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C357	1-126-960-11	ELECT	1uF	20%	50V
C207	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C358	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-935-11	ELECT	470uF	20%	10V	C359	1-137-194-11	FILM	0.47uF	5%	50V
C209	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C360	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C210	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C362	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C301	1-126-960-11	ELECT	1uF	20%	50V	C363	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C302	1-130-479-00	MYLAR	0.0047uF	5%	50V	C368	1-126-964-11	ELECT	10uF	20%	50V
C303	1-136-165-00	FILM	0.1uF	5%	50V	C369	1-126-961-11	ELECT	2.2uF	20%	50V
C304	1-136-165-00	FILM	0.1uF	5%	50V	C370	1-126-961-11	ELECT	2.2uF	20%	50V
C305	1-126-964-11	ELECT	10uF	20%	50V	C371	1-164-392-11	CERAMIC CHIP	390PF	10%	50V
C306	1-126-960-11	ELECT	1uF	20%	50V	C372	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C307	1-126-960-11	ELECT	1uF	20%	50V	C373	1-130-487-00	MYLAR	0.022uF	5%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V	C374	1-126-964-11	ELECT	10uF	20%	50V
C309	1-137-194-11	FILM	0.47uF	5%	50V	C375	1-126-965-11	ELECT	22uF	20%	50V
C310	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C376	1-164-392-11	CERAMIC CHIP	390PF	10%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V	C377	1-104-665-11	ELECT	100uF	20%	10V
C312	1-126-959-11	ELECT	0.47uF	20%	50V	C378	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C313	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C379	1-130-483-00	MYLAR	0.01uF	5%	50V
C314	1-126-964-11	ELECT	10uF	20%	50V	C380	1-126-964-11	ELECT	10uF	20%	50V
C315	1-126-963-11	ELECT	4.7uF	20%	50V	C381	1-126-965-11	ELECT	22uF	20%	50V
C316	1-126-933-11	ELECT	100uF	20%	16V	C382	1-137-427-11	MYLAR	120PF	5%	50V
C317	1-104-665-11	ELECT	100uF	20%	10V	C383	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C318	1-126-964-11	ELECT	10uF	20%	50V	C384	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C319	1-126-961-11	ELECT	2.2uF	20%	50V	C393	1-126-964-11	ELECT	10uF	20%	50V
C320	1-126-961-11	ELECT	2.2uF	20%	50V	C410	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C321	1-164-392-11	CERAMIC CHIP	390PF	10%	50V	C411	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C322	1-162-953-11	CERAMIC CHIP	100PF	5%	50V	C412	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C323	1-130-487-00	MYLAR	0.022uF	5%	50V	C414	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C324	1-126-964-11	ELECT	10uF	20%	50V	C416	1-126-916-11	ELECT	1000uF	20%	6.3V
C325	1-126-965-11	ELECT	22uF	20%	50V	C424	1-113-619-11	CERAMIC CHIP	0.47uF		10V
C326	1-164-392-11	CERAMIC CHIP	390PF	10%	50V	C426	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C327	1-104-665-11	ELECT	100uF	20%	10V	C428	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C445	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
						C462	1-104-665-11	ELECT	100uF	20%	10V
						C464	1-162-974-11	CERAMIC CHIP	0.01uF		50V
						C497	1-126-964-11	ELECT	10uF	20%	50V
						C498	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C499	1-164-156-11	CERAMIC CHIP	0.1uF		25V

HCD-DP800AV

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C501	1-126-964-11	ELECT	10uF 20% 50V	D511	8-719-988-61	DIODE 1SS355TE-17	
C502	1-136-165-00	FILM	0.1uF 5% 50V	D950	8-719-028-23	DIODE D3SBA20-4101	
C503	1-136-165-00	FILM	0.1uF 5% 50V	D959	8-719-028-23	DIODE D3SBA20-4101	
C504	1-109-953-11	ELECT	2.2uF 20% 50V	D961	8-719-988-61	DIODE 1SS355TE-17	
C505	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D962	8-719-988-61	DIODE 1SS355TE-17	
C506	1-107-717-11	ELECT	47uF 20% 50V	D971	8-719-200-82	DIODE 11ES2	
C511	1-162-974-11	CERAMIC CHIP	0.01uF 50V	D972	8-719-200-82	DIODE 11ES2	
C512	1-162-974-11	CERAMIC CHIP	0.01uF 50V	D973	8-719-200-82	DIODE 11ES2	
C551	1-104-665-11	ELECT	100uF 20% 10V	D974	8-719-200-82	DIODE 11ES2	
C552	1-162-974-11	CERAMIC CHIP	0.01uF 50V	D975	8-719-200-82	DIODE 11ES2	
C951	1-126-943-11	ELECT	2200uF 20% 25V (AEP,CND)	D976	8-719-200-82	DIODE 11ES2	
C951	1-126-953-11	ELECT	2200uF 20% 35V (AR,AUS,KR,MX)	D981	8-719-200-82	DIODE 11ES2	
C952	1-130-483-00	MYLAR	0.01uF 5% 50V	D982	8-719-200-82	DIODE 11ES2	
C953	1-130-483-00	MYLAR	0.01uF 5% 50V	D983	8-719-200-82	DIODE 11ES2	
C954	1-126-944-11	ELECT	3300uF 20% 25V	D984	8-719-200-82	DIODE 11ES2	
C955	1-130-483-00	MYLAR	0.01uF 5% 50V			< FERRITE BEAD >	
C956	1-130-483-00	MYLAR	0.01uF 5% 50V	FB204	1-500-445-21	FERRITE 0UH	
C961	1-126-961-11	ELECT	2.2uF 20% 50V	FB205	1-500-445-21	FERRITE 0UH	
C971	1-162-974-11	CERAMIC CHIP	0.01uF 50V	FB206	1-412-473-51	INDUCTOR 0UH	
C972	1-126-935-11	ELECT	470uF 20% 16V	FB207	1-412-473-51	INDUCTOR 0UH	
C973	1-162-974-11	CERAMIC CHIP	0.01uF 50V			< FRONT END >	
C974	1-126-916-11	ELECT	1000uF 20% 6.3V	FE1	1-693-477-12	FRONT END (3 GANGS) (AR,AUS,KR,MX)	
C975	1-162-974-11	CERAMIC CHIP	0.01uF 50V	FE2	1-693-478-11	FRONT END (FM3 GANGS) (CND)	
C976	1-126-916-11	ELECT	1000uF 20% 6.3V	FE3	1-693-496-11	FRONT END (4 GANG) (AEP)	
C977	1-162-974-11	CERAMIC CHIP	0.01uF 50V			< IC >	
		< FILTER >		IC11	8-759-828-33	IC LA1845	
CF1	1-579-185-21	FILTER, CERAMIC (AEP)		IC51	8-759-590-13	IC LC72131D	
CF1	1-760-023-11	FILTER, CERAMIC (AR,AUS,CND,KR,MX)		IC81	8-759-541-48	IC BU1924 (AEP)	
CF2	1-579-185-21	FILTER, CERAMIC (AEP)		IC301	8-759-652-02	IC HA12226F	
CF2	1-760-023-11	FILTER, CERAMIC (AR,AUS,CND,KR,MX)		IC302	8-759-143-54	IC uPC1330HA	
		< CONNECTOR >		IC303	8-759-656-83	IC NJM4580MD-(TE2)	
* CN101	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P		IC304	8-759-656-83	IC NJM4580MD-(TE2)	
CN102	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P		IC401	8-759-712-89	IC M30622MGA-A36FP	
CN103	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P		IC501	8-759-635-63	IC M51943BSL-TP	
* CN104	1-564-518-11	PLUG, CONNECTOR 3P		IC551	8-759-491-46	IC TC74VHCT04AFT(EL)	
CN201	1-568-864-11	CONNECTOR, FFC 21P				< IFT >	
CN304	1-784-778-11	CONNECTOR, FFC 17P		IFT11	1-435-848-11	TRANSFORMER,IF(CERAMIC FILTER)	
CN401	1-793-766-11	CONNECTOR, BOARD TO BOARD 30P				< JUMPER RESISTOR >	
CN402	1-506-469-11	PIN, CONNECTOR 4P		JR1	1-216-864-11	METAL CHIP 0 5% 1/16W	
CN501	1-779-289-11	CONNECTOR,FFC(LIF(NON-ZIF))21P		JR2	1-216-864-11	METAL CHIP 0 5% 1/16W	
CN502	1-779-291-11	CONNECTOR,FFC(LIF(NON-ZIF))23P		JR3	1-216-864-11	METAL CHIP 0 5% 1/16W	
		< DIODE >		JR4	1-216-864-11	METAL CHIP 0 5% 1/16W	
D51	8-719-988-61	DIODE 1SS355TE-17		JR5	1-216-864-11	METAL CHIP 0 5% 1/16W	
D81	8-719-988-61	DIODE 1SS355TE-17 (AEP)		JR6	1-216-864-11	METAL CHIP 0 5% 1/16W (CND)	
D111	8-719-988-61	DIODE 1SS355TE-17		JR7	1-216-864-11	METAL CHIP 0 5% 1/16W	
D112	8-719-056-82	DIODE UDZ-TE-17-6.2B		JR8	1-216-864-11	METAL CHIP 0 5% 1/16W	
D113	8-719-056-83	DIODE UDZ-TE-17-6.8B		JR9	1-216-864-11	METAL CHIP 0 5% 1/16W (AR,AUS,KR,MX)	
D501	8-719-988-61	DIODE 1SS355TE-17		JR10	1-216-864-11	METAL CHIP 0 5% 1/16W (CND)	
D502	8-719-988-61	DIODE 1SS355TE-17		JR11	1-216-864-11	METAL CHIP 0 5% 1/16W (AEP,AR,AUS,KR,MX)	
D503	8-719-988-61	DIODE 1SS355TE-17		JR12	1-216-864-11	METAL CHIP 0 5% 1/16W (CND)	
D504	8-719-988-61	DIODE 1SS355TE-17		JR13	1-216-864-11	METAL CHIP 0 5% 1/16W (AEP,AR,AUS,KR,MX)	
D505	8-719-988-61	DIODE 1SS355TE-17					
D506	8-719-988-61	DIODE 1SS355TE-17					
D507	8-719-988-61	DIODE 1SS355TE-17					
D508	8-719-988-61	DIODE 1SS355TE-17					
D509	8-719-988-61	DIODE 1SS355TE-17					
D510	8-719-988-61	DIODE 1SS355TE-17					

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
JR14	1-216-864-11	METAL CHIP	0	5%	1/16W (AEP)	Q303	8-729-142-46	TRANSISTOR	2SC2001-LK		
JR15	1-216-864-11	METAL CHIP	0	5%	1/16W	Q304	8-729-900-63	TRANSISTOR	DTA124ES		
JR19	1-216-864-11	METAL CHIP	0	5%	1/16W (AR,AUS,CND,KR,MX)	Q305	8-729-900-80	TRANSISTOR	DTC114ES		
JR21	1-216-864-11	METAL CHIP	0	5%	1/16W	Q391	8-729-140-04	TRANSISTOR	2SB1116A-L		
JR22	1-216-864-11	METAL CHIP	0	5%	1/16W	Q392	8-729-900-80	TRANSISTOR	DTC114ES		
JR23	1-216-864-11	METAL CHIP	0	5%	1/16W	Q393	8-729-140-04	TRANSISTOR	2SB1116A-L		
JR24	1-216-864-11	METAL CHIP	0	5%	1/16W						
JR25	1-216-864-11	METAL CHIP	0	5%	1/16W	Q394	8-729-900-80	TRANSISTOR	DTC114ES		
JR26	1-216-864-11	METAL CHIP	0	5%	1/16W	Q395	8-729-900-80	TRANSISTOR	DTC114ES		
JR27	1-216-864-11	METAL CHIP	0	5%	1/16W	Q396	8-729-116-57	TRANSISTOR	2SB1068-K		
JR29	1-216-864-11	METAL CHIP	0	5%	1/16W	Q397	8-729-900-80	TRANSISTOR	DTC114ES		
JR30	1-216-864-11	METAL CHIP	0	5%	1/16W	Q501	8-729-119-78	TRANSISTOR	2SC2785-HFE		
JR31	1-216-864-11	METAL CHIP	0	5%	1/16W						
JR32	1-216-864-11	METAL CHIP	0	5%	1/16W	Q502	8-729-900-63	TRANSISTOR	DTA124ES		
JR33	1-216-864-11	METAL CHIP	0	5%	1/16W	Q503	8-729-900-63	TRANSISTOR	DTA124ES		
JR34	1-216-864-11	METAL CHIP	0	5%	1/16W	Q504	8-729-900-63	TRANSISTOR	DTA124ES		
JR201	1-216-864-11	METAL CHIP	0	5%	1/16W	Q505	8-729-900-36	TRANSISTOR	DTC124ES		
						Q506	8-729-119-78	TRANSISTOR	2SC2785-HFE		
JR203	1-216-864-11	METAL CHIP	0	5%	1/16W						
JR400	1-216-864-11	METAL CHIP	0	5%	1/16W						
JR416	1-216-864-11	METAL CHIP	0	5%	1/16W						
JR418	1-216-864-11	METAL CHIP	0	5%	1/16W (AR,AUS,CND,KR,MX)						
JR420	1-216-864-11	METAL CHIP	0	5%	1/16W (AR,AUS,CND,KR,MX)						
JR462	1-216-864-11	METAL CHIP	0	5%	1/16W						
JR493	1-216-864-11	METAL CHIP	0	5%	1/16W (AEP)						
JR499	1-216-864-11	METAL CHIP	0	5%	1/16W (AUS,KR)						
< COIL >											
L41	1-412-957-11	INDUCTOR	33uH	(AEP)							
L81	1-412-963-11	INDUCTOR	100uH	(AEP)							
L210	1-410-482-31	INDUCTOR	100uH								
L301	1-410-780-11	INDUCTOR	27MH								
L302	1-414-193-41	INDUCTOR	220uH								
L303	1-414-193-41	INDUCTOR	220uH								
L351	1-410-780-11	INDUCTOR	27MH								
L971	1-410-478-11	INDUCTOR	47uH								
< FILTER >											
LPF11	1-234-612-11	FILTER, LOW PASS									
LPF12	1-234-612-11	FILTER, LOW PASS									
< TRANSISTOR >											
Q1	8-729-055-80	TRANSISTOR	2SC1674LK-TP								
Q2	8-729-422-57	TRANSISTOR	UN4111								
Q11	8-729-620-05	TRANSISTOR	2SC2603-EF								
Q12	8-729-620-05	TRANSISTOR	2SC2603-EF								
Q81	8-729-620-05	TRANSISTOR	2SC2603TP-EF (AEP)								
Q111	8-729-119-78	TRANSISTOR	2SC2785-HFE								
Q112	8-729-119-78	TRANSISTOR	2SC2785-HFE								
Q113	8-729-026-68	TRANSISTOR	2SD2525(TP)								
Q114	8-729-900-36	TRANSISTOR	DTC124ES								
Q121	8-729-141-30	TRANSISTOR	2SC3623A-LK								
Q141	8-729-119-78	TRANSISTOR	2SC2785-HFE								
Q171	8-729-141-30	TRANSISTOR	2SC3623A-LK								
Q301	8-729-801-93	TRANSISTOR	2SD1387-3								
Q302	8-729-142-46	TRANSISTOR	2SC2001-LK								
< RESISTOR >											
R1	1-216-864-11	METAL CHIP	0	5%	1/16W						
R3	1-216-805-11	METAL CHIP	47	5%	1/16W						
R4	1-216-805-11	METAL CHIP	47	5%	1/16W						
R5	1-216-819-11	METAL CHIP	680	5%	1/16W						
R6	1-216-815-11	METAL CHIP	330	5%	1/16W						
R7	1-216-819-11	METAL CHIP	680	5%	1/16W						
R8	1-216-821-11	METAL CHIP	1K	5%	1/16W						
R10	1-216-814-11	METAL CHIP	270	5%	1/16W						
R12	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R13	1-216-827-11	METAL CHIP	3.3K	5%	1/16W						
R14	1-216-814-11	METAL CHIP	270	5%	1/16W						
R15	1-216-843-11	METAL CHIP	68K	5%	1/16W						
R16	1-216-837-11	METAL CHIP	22K	5%	1/16W						
R17	1-216-839-11	METAL CHIP	33K	5%	1/16W						
R18	1-216-827-11	METAL CHIP	3.3K	5%	1/16W						
R19	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R20	1-216-827-11	METAL CHIP	3.3K	5%	1/16W						
R21	1-216-819-11	METAL CHIP	680	5%	1/16W (AEP)						
R21	1-216-821-11	METAL CHIP	1K	5%	1/16W (AR,AUS,CND,KR,MX)						
R22	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R23	1-216-829-11	METAL CHIP	4.7K	5%	1/16W						
R24	1-216-819-11	METAL CHIP	680	5%	1/16W (AEP)						
R24	1-216-821-11	METAL CHIP	1K	5%	1/16W (AR,AUS,CND,KR,MX)						
R25	1-216-809-11	METAL CHIP	100	5%	1/16W						
R26	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R27	1-216-829-11	METAL CHIP	4.7K	5%	1/16W						
R28	1-216-849-11	METAL CHIP	220K	5%	1/16W						
R29	1-216-849-11	METAL CHIP	220K	5%	1/16W						
R30	1-216-827-11	METAL CHIP	3.3K	5%	1/16W						
R31	1-216-864-11	METAL CHIP	0	5%	1/16W						
R41	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R42	1-216-845-11	METAL CHIP	100K	5%	1/16W						
R43	1-216-839-11	METAL CHIP	33K	5%	1/16W						
R55	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R56	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R58	1-216-809-11	METAL CHIP	100	5%	1/16W						
R59	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						

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Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R60	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R335	1-216-813-11	METAL CHIP	220	5%	1/16W
R61	1-216-809-11	METAL CHIP	100	5%	1/16W	R336	1-216-846-11	METAL CHIP	120K	5%	1/16W
R62	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R337	1-216-813-11	METAL CHIP	220	5%	1/16W
R63	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R338	1-216-837-11	METAL CHIP	22K	5%	1/16W
R64	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R339	1-216-834-11	METAL CHIP	12K	5%	1/16W
R65	1-216-809-11	METAL CHIP	100	5%	1/16W	R340	1-216-850-11	METAL CHIP	270K	5%	1/16W
R66	1-216-833-11	METAL CHIP	10K	5%	1/16W	R341	1-216-813-11	METAL CHIP	220	5%	1/16W
R67	1-216-833-11	METAL CHIP	10K	5%	1/16W	R342	1-216-834-11	METAL CHIP	12K	5%	1/16W
R68	1-216-821-11	METAL CHIP	1K	5%	1/16W	△R343	1-219-787-11	FUSIBLE	5.6	5%	1/4W
R69	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	△R344	1-219-787-11	FUSIBLE	5.6	5%	1/4W
R81	1-216-851-11	METAL CHIP	330K	5%	1/16W (AEP)	R345	1-216-836-11	METAL CHIP	18K	5%	1/16W
R83	1-216-821-11	METAL CHIP	1K	5%	1/16W (AEP)	R346	1-216-836-11	METAL CHIP	18K	5%	1/16W
R84	1-216-817-11	METAL CHIP	470	5%	1/16W (AEP)	R347	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R85	1-216-864-11	METAL CHIP	0	5%	1/16W (AEP)	R348	1-216-820-11	METAL CHIP	820	5%	1/16W
R86	1-216-805-11	METAL CHIP	47	5%	1/16W (AEP)	R349	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R87	1-216-829-11	METAL CHIP	4.7K	5%	1/16W (AEP)	R351	1-216-837-11	METAL CHIP	22K	5%	1/16W
R88	1-216-829-11	METAL CHIP	4.7K	5%	1/16W (AEP)	R352	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R111	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R353	1-216-809-11	METAL CHIP	100	5%	1/16W
R112	1-216-841-11	METAL CHIP	47K	5%	1/16W	R354	1-216-809-11	METAL CHIP	100	5%	1/16W
R113	1-216-837-11	METAL CHIP	22K	5%	1/16W	R355	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R114	1-216-849-11	METAL CHIP	220K	5%	1/16W	R356	1-216-833-11	METAL CHIP	10K	5%	1/16W
R115	1-216-837-11	METAL CHIP	22K	5%	1/16W	R357	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R121	1-215-891-11	METAL OXIDE	680	5%	2W	R358	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R122	1-216-821-11	METAL CHIP	1K	5%	1/16W	R359	1-216-839-11	METAL CHIP	33K	5%	1/16W
R124	1-216-837-11	METAL CHIP	22K	5%	1/16W	R360	1-216-821-11	METAL CHIP	1K	5%	1/16W
R141	1-216-821-11	METAL CHIP	1K	5%	1/16W	R361	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R142	1-216-822-11	METAL CHIP	1.2K	5%	1/16W	R362	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R143	1-216-817-11	METAL CHIP	470	5%	1/16W	R363	1-216-821-11	METAL CHIP	1K	5%	1/16W
R171	1-215-891-11	METAL OXIDE	680	5%	2W	R364	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R172	1-216-821-11	METAL CHIP	1K	5%	1/16W	R365	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R174	1-216-837-11	METAL CHIP	22K	5%	1/16W	R366	1-216-841-11	METAL CHIP	47K	5%	1/16W
R175	1-216-826-11	METAL CHIP	2.7K	5%	1/16W	R367	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R301	1-216-837-11	METAL CHIP	22K	5%	1/16W	R368	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R302	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R369	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R303	1-216-809-11	METAL CHIP	100	5%	1/16W	R371	1-216-841-11	METAL CHIP	47K	5%	1/16W
R304	1-216-809-11	METAL CHIP	100	5%	1/16W	R372	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R305	1-216-831-11	METAL CHIP	6.8K	5%	1/16W	R373	1-216-821-11	METAL CHIP	1K	5%	1/16W
R306	1-216-833-11	METAL CHIP	10K	5%	1/16W	R374	1-216-841-11	METAL CHIP	47K	5%	1/16W
R307	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	R375	1-218-296-11	RES-CHIP	75K	5%	1/16W
R308	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R376	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R309	1-216-837-11	METAL CHIP	22K	5%	1/16W	R377	1-216-841-11	METAL CHIP	47K	5%	1/16W
R311	1-216-857-11	METAL CHIP	1M	5%	1/16W	R378	1-218-296-11	RES-CHIP	75K	5%	1/16W
R312	1-218-745-11	RES-CHIP	160K	5%	1/16W	R381	1-216-846-11	METAL CHIP	120K	5%	1/16W
R313	1-216-845-11	METAL CHIP	100K	5%	1/16W	R382	1-216-809-11	METAL CHIP	100	5%	1/16W
R315	1-216-833-11	METAL CHIP	10K	5%	1/16W	R383	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R316	1-216-839-11	METAL CHIP	33K	5%	1/16W	R384	1-218-332-11	RES-CHIP	130K	5%	1/16W
R317	1-216-833-11	METAL CHIP	10K	5%	1/16W	R385	1-216-864-11	METAL CHIP	0	5%	1/16W
R318	1-216-833-11	METAL CHIP	10K	5%	1/16W	R386	1-216-846-11	METAL CHIP	120K	5%	1/16W
R319	1-216-852-11	METAL CHIP	390K	5%	1/16W	R387	1-216-813-11	METAL CHIP	220	5%	1/16W
R320	1-216-822-11	METAL CHIP	1.2K	5%	1/16W	R388	1-216-837-11	METAL CHIP	22K	5%	1/16W
R321	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R389	1-216-834-11	METAL CHIP	12K	5%	1/16W
R331	1-216-846-11	METAL CHIP	120K	5%	1/16W	R390	1-216-850-11	METAL CHIP	270K	5%	1/16W
R332	1-216-809-11	METAL CHIP	100	5%	1/16W	R391	1-216-864-11	METAL CHIP	0	5%	1/16W
R333	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	R392	1-216-834-11	METAL CHIP	12K	5%	1/16W
R334	1-218-332-11	RES-CHIP	130K	5%	1/16W	R393	1-216-837-11	METAL CHIP	22K	5%	1/16W
						R394	1-216-813-11	METAL CHIP	220	5%	1/16W
						R396	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
						R397	1-216-820-11	METAL CHIP	820	5%	1/16W

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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MAIN	MOTOR	OPT IN	OPT IN REAR	PANEL
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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< VIBRATOR >					
X51	1-760-549-31	VIBRATOR, CRYSTAL (4.5MHz)			4-224-584-01	HOLDER (FL)	
X81	1-579-900-21	VIBRATOR, CRYSTAL (4.332MHz) (AEP)				< CAPACITOR >	
X401	1-567-098-41	VIBRATOR, CRYSTAL (32.768MHz)					
X402	1-781-107-21	VIBRATOR, CERAMIC (16MHz)		C1102	1-162-282-31	CERAMIC	100PF 10% 50V
*****				C1103	1-162-282-31	CERAMIC	100PF 10% 50V
	1-675-910-14	MOTOR BOARD		C1104	1-162-306-11	CERAMIC	0.01uF 30% 16V
		*****		C1105	1-162-306-11	CERAMIC	0.01uF 30% 16V
		< CAPACITOR >		C1106	1-162-306-11	CERAMIC	0.01uF 30% 16V
C721	1-162-306-11	CERAMIC	0.01uF 30% 16V	C1107	1-162-306-11	CERAMIC	0.01uF 30% 16V
		< CONNECTOR >		C1108	1-124-589-11	ELECT	47uF 20% 16V
CN721	1-770-516-31	CONNECTOR, FFC 8P		C1109	1-162-294-31	CERAMIC	0.001uF 10% 50V
CN722	1-785-330-11	PIN, CONNECTOR (LIGHT ANGLE)4P		C1110	1-162-306-11	CERAMIC	0.01uF 30% 16V
		< SWITCH >		C1111	1-164-159-11	CERAMIC	0.1uF 50V
S701	1-771-822-11	SWITCH, LEVER (SLIDE) (OPEN/CLOSE SW)		C1112	1-164-159-11	CERAMIC	0.1uF 50V
*****				C1113	1-164-159-11	CERAMIC	0.1uF 50V
	1-680-279-11	OPT IN BOARD		C1114	1-164-159-11	CERAMIC	0.1uF 50V
		*****		C1120	1-162-282-31	CERAMIC	100PF 10% 50V
		< CAPACITOR >		C1121	1-162-282-31	CERAMIC	100PF 10% 50V
C1195	1-126-791-11	ELECT	10uF 20% 16V	C1122	1-162-282-31	CERAMIC	100PF 10% 50V
C1196	1-164-159-11	CERAMIC	0.1uF 50V	C1123	1-162-282-31	CERAMIC	100PF 10% 50V
		< FERRITE BEAD >		C1124	1-162-282-31	CERAMIC	100PF 10% 50V
FB1195	1-412-473-21	INDUCTOR	0UH	C1125	1-162-282-31	CERAMIC	100PF 10% 50V
		< IC >		C1126	1-162-282-31	CERAMIC	100PF 10% 50V
IC1195	8-749-018-63	IC GP1FA501RZ (DIGITAL IN (OPTICAL))		C1127	1-162-282-31	CERAMIC	100PF 10% 50V
*****				C1128	1-162-282-31	CERAMIC	100PF 10% 50V
	1-680-851-11	OPT IN REAR BOARD (AR,AUS,KR,MX)		C1129	1-162-282-31	CERAMIC	100PF 10% 50V
		*****		C1130	1-162-282-31	CERAMIC	100PF 10% 50V
		< CAPACITOR >		C1131	1-162-282-31	CERAMIC	100PF 10% 50V
C801	1-126-964-11	ELECT	10uF 20% 50V (AR,AUS,KR,MX)	C1132	1-162-282-31	CERAMIC	100PF 10% 50V
C802	1-164-159-11	CERAMIC	0.1uF 50V (AR,AUS,KR,MX)	C1133	1-126-796-11	ELECT	22uF 20% 50V
		< CONNECTOR >		C1134	1-126-796-11	ELECT	22uF 20% 50V
CN801	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE)3P (AR,AUS,KR,MX)		C1135	1-126-513-11	ELECT	47uF 20% 6.3V
		< FERRITE BEAD >		C1137	1-162-294-31	CERAMIC	0.001uF 10% 50V
FB801	1-412-473-21	INDUCTOR	0UH (AR,AUS,KR,MX)	C1138	1-162-306-11	CERAMIC	0.01uF 30% 16V
		< IC >		C1139	1-126-163-11	ELECT	4.7uF 20% 50V
IC801	8-749-923-05	IC TORX178B (DIGITAL IN (OPTICAL)) (AR,AUS,KR,MX)		C1140	1-164-159-11	CERAMIC	0.1uF 50V
*****				C1141	1-162-282-31	CERAMIC	100PF 10% 50V
	A-4475-664-A	PANEL BOARD, COMPLETE (including CD PANEL BOARD) (AR,AUS,KR,MX)		C1142	1-162-282-31	CERAMIC	100PF 10% 50V
	A-4726-479-A	PANEL BOARD, COMPLETE (including CD PANEL BOARD) (AEP)		C1143	1-162-282-31	CERAMIC	100PF 10% 50V
	A-4726-481-A	PANEL BOARD, COMPLETE (including CD PANEL BOARD) (CND)		C1203	1-162-306-11	CERAMIC	0.01uF 30% 16V (AR,AUS,KR,MX)
		*****		C1204	1-115-868-11	ELECT	0.22uF 20% 50V (AR,AUS,KR,MX)
				C1205	1-162-294-31	CERAMIC	0.001uF 10% 50V (AR,AUS,KR,MX)
				C1206	1-162-215-31	CERAMIC	47PF 5% 50V (AR,AUS,KR,MX)
				C1207	1-162-290-31	CERAMIC	470PF 10% 50V (AR,AUS,KR,MX)
				C1208	1-115-867-11	ELECT	0.1uF 20% 50V (AR,AUS,KR,MX)
				C1209	1-115-872-11	ELECT	2.2uF 20% 50V (AR,AUS,KR,MX)
				C1210	1-162-284-31	CERAMIC	150PF 10% 50V (AR,AUS,KR,MX)
				C1211	1-115-872-11	ELECT	2.2uF 20% 50V (AR,AUS,KR,MX)
				C1212	1-124-584-00	ELECT	100uF 20% 10V (AR,AUS,KR,MX)
				C1213	1-126-157-11	ELECT	10uF 20% 16V (AR,AUS,KR,MX)
				C1214	1-126-157-11	ELECT	10uF 20% 16V (AR,AUS,KR,MX)

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C1215	1-162-215-31	CERAMIC	47PF	5%	50V	Q1201	8-729-119-78	TRANSISTOR	2SC2785-HFE		
					(AR,AUS,KR,MX)						
C1216	1-126-791-11	ELECT	10uF	20%	16V			< RESISTOR >			
					(AR,AUS,KR,MX)						
C1241	1-162-294-31	CERAMIC	0.001uF	10%	50V	R1101	1-249-429-11	CARBON	10K	5%	1/4W
C1242	1-162-294-31	CERAMIC	0.001uF	10%	50V	R1102	1-249-429-11	CARBON	10K	5%	1/4W
C1250	1-164-159-11	CERAMIC	0.1uF		50V	R1103	1-249-429-11	CARBON	10K	5%	1/4W
					(AR,AUS,KR,MX)	R1104	1-249-429-11	CARBON	10K	5%	1/4W
						R1105	1-249-429-11	CARBON	10K	5%	1/4W
		< CONNECTOR >				R1106	1-249-429-11	CARBON	10K	5%	1/4W
CN1101	1-793-767-11	CONNECTOR, BOARD TO BOARD 30P				R1107	1-247-807-31	CARBON	100	5%	1/4W
CN1108	1-784-726-11	CONNECTOR, FFC 4P				R1108	1-247-807-31	CARBON	100	5%	1/4W
		< DIODE >				R1109	1-249-429-11	CARBON	10K	5%	1/4W
						R1110	1-249-429-11	CARBON	10K	5%	1/4W
D1101	8-719-057-97	DIODE SEL5923A-TP15 (GAME)				R1111	1-249-429-11	CARBON	10K	5%	1/4W
D1102	8-719-057-97	DIODE SEL5923A-TP15 (DIGITAL)				R1112	1-249-410-11	CARBON	270	5%	1/4W F
D1103	8-719-057-97	DIODE SEL5923A-TP15 (MD(VIDEO))				R1113	1-249-410-11	CARBON	270	5%	1/4W F
D1104	8-719-071-41	DIODE SELS5923C-TP15 (TAPE A/B)				R1114	1-249-410-11	CARBON	270	5%	1/4W F
D1105	8-719-071-41	DIODE SELS5923C-TP15 (TUNER/BAND)				R1115	1-247-807-31	CARBON	100	5%	1/4W
D1106	8-719-071-41	DIODE SELS5923C-TP15 (CD)				R1116	1-247-807-31	CARBON	100	5%	1/4W
D1107	8-719-072-76	DIODE SEL5E23C-TP15				R1117	1-247-807-31	CARBON	100	5%	1/4W
		(MULTI CHANNEL DECORING)				R1118	1-247-807-31	CARBON	100	5%	1/4W
D1108	8-719-063-93	DIODE SLR325VC-N-T32 (ENTER)				R1119	1-249-417-11	CARBON	1K	5%	1/4W F
D1110	8-719-050-84	DIODE RB441Q-40T-77				R1120	1-249-441-11	CARBON	100K	5%	1/4W
D1111	8-719-057-97	DIODE SEL5923A-TP15 (EFFECT)				R1121	1-249-409-11	CARBON	220	5%	1/4W F
D1112	8-719-057-97	DIODE SEL5923A-TP15 (GROOVE)				R1122	1-249-409-11	CARBON	220	5%	1/4W F
D1113	8-719-063-93	DIODE SLR325VC-N-T32 (REC PAUSE/START)				R1123	1-249-409-11	CARBON	220	5%	1/4W F
D1121	8-719-911-19	DIODE 1SS119-25				R1124	1-249-409-11	CARBON	220	5%	1/4W F
		< FERRITE BEAD >				R1125	1-249-441-11	CARBON	100K	5%	1/4W
FB1101	1-412-473-21	INDUCTOR	0UH			R1126	1-249-441-11	CARBON	100K	5%	1/4W
		< FLUORESCENT INDICATOR TUBE >				R1127	1-249-441-11	CARBON	100K	5%	1/4W
						R1128	1-249-441-11	CARBON	100K	5%	1/4W
FL1101	1-518-722-11	INDICATOR TUBE, FLUORESCENT				R1129	1-249-441-11	CARBON	100K	5%	1/4W
		< IC >				R1130	1-249-407-11	CARBON	150	5%	1/4W F
IC1101	6-800-320-01	IC MB90M407APF-G-105-BND				R1131	1-249-412-11	CARBON	390	5%	1/4W F
IC1102	8-759-827-69	IC NJL63H400A-1				R1132	1-249-407-11	CARBON	150	5%	1/4W F
IC1201	8-759-636-55	IC M5218AFP-TE1 (AR,AUS,KR,MX)				R1133	1-249-407-11	CARBON	150	5%	1/4W F
		< JUCK >				R1134	1-249-429-11	CARBON	10K	5%	1/4W
J1101	1-691-293-21	JACK (PHONES)				R1135	1-249-407-11	CARBON	150	5%	1/4W F
J1202	1-815-603-11	JACK (MIC) (AR,AUS,KR,MX)				R1136	1-249-407-11	CARBON	150	5%	1/4W F
		< TRANSISTOR >				R1137	1-249-407-11	CARBON	150	5%	1/4W F
Q1101	8-729-900-80	TRANSISTOR DTC114ES				R1143	1-249-441-11	CARBON	100K	5%	1/4W
Q1102	8-729-900-80	TRANSISTOR DTC114ES				R1144	1-249-441-11	CARBON	100K	5%	1/4W
Q1103	8-729-900-80	TRANSISTOR DTC114ES				R1145	1-249-441-11	CARBON	100K	5%	1/4W
Q1104	8-729-900-80	TRANSISTOR DTC114ES				R1146	1-249-441-11	CARBON	100K	5%	1/4W
Q1105	8-729-900-80	TRANSISTOR DTC114ES				R1147	1-249-441-11	CARBON	100K	5%	1/4W
Q1106	8-729-900-80	TRANSISTOR DTC114ES				R1148	1-249-441-11	CARBON	100K	5%	1/4W
Q1107	8-729-900-80	TRANSISTOR DTC114ES				R1149	1-249-441-11	CARBON	100K	5%	1/4W
Q1108	8-729-900-80	TRANSISTOR DTC114ES				R1155	1-249-413-11	CARBON	470	5%	1/4W F
Q1109	8-729-422-57	TRANSISTOR UN4111				R1156	1-249-414-11	CARBON	560	5%	1/4W F
Q1110	8-729-119-76	TRANSISTOR 2SA1175-HFE				R1157	1-249-416-11	CARBON	820	5%	1/4W F
Q1111	8-729-900-80	TRANSISTOR DTC114ES				R1158	1-249-417-11	CARBON	1K	5%	1/4W F
Q1112	8-729-900-80	TRANSISTOR DTC114ES				R1159	1-249-418-11	CARBON	1.2K	5%	1/4W F
Q1113	8-729-119-78	TRANSISTOR 2SC2785-HFE				R1160	1-249-419-11	CARBON	1.5K	5%	1/4W F
Q1120	8-729-119-78	TRANSISTOR 2SC2785-HFE				R1161	1-249-421-11	CARBON	2.2K	5%	1/4W F
Q1123	8-729-900-74	TRANSISTOR DTC143TS				R1162	1-249-422-11	CARBON	2.7K	5%	1/4W F
Q1124	8-729-900-74	TRANSISTOR DTC143TS				R1163	1-249-424-11	CARBON	3.9K	5%	1/4W F
						R1164	1-249-426-11	CARBON	5.6K	5%	1/4W
						R1165	1-249-428-11	CARBON	8.2K	5%	1/4W F
						R1166	1-249-431-11	CARBON	15K	5%	1/4W
						R1167	1-249-413-11	CARBON	470	5%	1/4W F
						R1168	1-249-414-11	CARBON	560	5%	1/4W F
						R1169	1-249-416-11	CARBON	820	5%	1/4W F

HCD-DP800AV

PANEL	SUB TRANS
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Ref. No.	Part No.	Description	Remarks
R1170	1-249-417-11	CARBON 1K 5%	1/4W F
R1171	1-249-418-11	CARBON 1.2K 5%	1/4W F
R1172	1-249-413-11	CARBON 470 5%	1/4W F
R1173	1-249-414-11	CARBON 560 5%	1/4W F
R1174	1-249-419-11	CARBON 1.5K 5%	1/4W F
R1175	1-249-416-11	CARBON 820 5%	1/4W F
R1176	1-249-417-11	CARBON 1K 5%	1/4W F
R1177	1-249-418-11	CARBON 1.2K 5%	1/4W F
R1178	1-249-419-11	CARBON 1.5K 5%	1/4W F
R1179	1-249-421-11	CARBON 2.2K 5%	1/4W F
R1180	1-249-422-11	CARBON 2.7K 5%	1/4W F
R1181	1-249-424-11	CARBON 3.9K 5%	1/4W F
R1182	1-249-426-11	CARBON 5.6K 5%	1/4W
R1185	1-249-401-11	CARBON 47 5%	1/4W F
R1186	1-249-401-11	CARBON 47 5%	1/4W F
R1189	1-249-441-11	CARBON 100K 5%	1/4W
R1190	1-249-441-11	CARBON 100K 5%	1/4W
R1191	1-260-083-11	CARBON 47 5%	1/2W
R1192	1-260-083-11	CARBON 47 5%	1/2W
R1197	1-249-429-11	CARBON 10K 5%	1/4W
R1198	1-249-441-11	CARBON 100K 5%	1/4W
R1199	1-249-406-11	CARBON 120 5%	1/4W F
R1203	1-249-429-11	CARBON 10K 5%	1/4W (AR,AUS,KR,MX)
R1204	1-249-417-11	CARBON 1K 5%	1/4W F (AR,AUS,KR,MX)
R1205	1-249-441-11	CARBON 100K 5%	1/4W (AR,AUS,KR,MX)
R1206	1-249-417-11	CARBON 1K 5%	1/4W F (AR,AUS,KR,MX)
R1207	1-249-433-11	CARBON 22K 5%	1/4W (AR,AUS,KR,MX)
R1208	1-247-807-31	CARBON 100 5%	1/4W (AR,AUS,KR,MX)
R1209	1-249-429-11	CARBON 10K 5%	1/4W (AR,AUS,KR,MX)
R1210	1-247-883-00	CARBON 150K 5%	1/4W (AR,AUS,KR,MX)
R1211	1-247-807-31	CARBON 100 5%	1/4W (AR,AUS,KR,MX)
R1212	1-249-417-11	CARBON 1K 5%	1/4W F (AR,AUS,KR,MX)
R1213	1-249-429-11	CARBON 10K 5%	1/4W (AR,AUS,KR,MX)
R1214	1-249-431-11	CARBON 15K 5%	1/4W (AR,AUS,KR,MX)
R1215	1-249-441-11	CARBON 100K 5%	1/4W (AR,AUS,KR,MX)
R1280	1-249-417-11	CARBON 1K 5%	1/4W F
R1281	1-249-417-11	CARBON 1K 5%	1/4W F
R1282	1-249-417-11	CARBON 1K 5%	1/4W F
R1283	1-249-417-11	CARBON 1K 5%	1/4W F
R1285	1-249-417-11	CARBON 1K 5%	1/4W F
R1286	1-249-417-11	CARBON 1K 5%	1/4W F
R1287	1-249-417-11	CARBON 1K 5%	1/4W F
R1288	1-249-417-11	CARBON 1K 5%	1/4W F
R1289	1-249-417-11	CARBON 1K 5%	1/4W F
R1290	1-249-417-11	CARBON 1K 5%	1/4W F
R1291	1-249-415-11	CARBON 680 5%	1/4W F
R1292	1-249-419-11	CARBON 1.5K 5%	1/4W F
R1293	1-249-419-11	CARBON 1.5K 5%	1/4W F
R1294	1-249-419-11	CARBON 1.5K 5%	1/4W F
R1295	1-249-419-11	CARBON 1.5K 5%	1/4W F

Ref. No.	Part No.	Description	Remarks
R1296	1-249-419-11	CARBON 1.5K 5%	1/4W F
R1297	1-249-415-11	CARBON 680 5%	1/4W F
		< VARIABLE RESISTOR >	
RV1201	1-227-309-11	RES, VAR, CARBON 50K (MIC LEVEL) (AR,AUS,KR,MX)	
		< SWITCH >	
S1101	1-418-725-11	ENCODER, ROTARY (12 TYPE) (VOLUME)	
S1116	1-762-875-21	SWITCH, KEYBOARD (◀▶)	
S1117	1-762-875-21	SWITCH, KEYBOARD (■)	
S1118	1-762-875-21	SWITCH, KEYBOARD (▨)	
S1119	1-762-875-21	SWITCH, KEYBOARD (▶▶▶)	
S1120	1-762-875-21	SWITCH, KEYBOARD (◀◀◀)	
S1121	1-762-875-21	SWITCH, KEYBOARD (▶▶▶)	
S1122	1-762-875-21	SWITCH, KEYBOARD (◀◀)	
S1123	1-762-875-21	SWITCH, KEYBOARD (GAME)	
S1124	1-762-875-21	SWITCH, KEYBOARD (MD(VIDEO))	
S1125	1-762-875-21	SWITCH, KEYBOARD (DIGITAL)	
S1126	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)	
S1127	1-762-875-21	SWITCH, KEYBOARD (TUNER/BAND)	
S1128	1-762-875-21	SWITCH, KEYBOARD (CD)	
S1129	1-762-875-21	SWITCH, KEYBOARD (EDIT)	
S1130	1-762-875-21	SWITCH, KEYBOARD (REPEAT)	
S1131	1-762-875-21	SWITCH, KEYBOARD (PLAY MODE)	
S1132	1-762-875-21	SWITCH, KEYBOARD (TIMER SELECT)	
S1133	1-762-875-21	SWITCH, KEYBOARD (CLOCK/TIMER SET)	
S1134	1-762-875-21	SWITCH, KEYBOARD (SPECTRUM)	
S1135	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)	
S1136	1-762-875-21	SWITCH, KEYBOARD (TOOL MODE)	
S1137	1-762-875-21	SWITCH, KEYBOARD (ENTER)	
S1138	1-762-875-21	SWITCH, KEYBOARD (MOVIE MODE)	
S1139	1-762-875-21	SWITCH, KEYBOARD (MUSIC MODE)	
S1140	1-762-875-21	SWITCH, KEYBOARD (DSP EDIT)	
S1141	1-762-875-21	SWITCH, KEYBOARD (GAME MODE)	
S1142	1-762-875-21	SWITCH, KEYBOARD (P FILE)	
S1143	1-762-875-21	SWITCH, KEYBOARD (GROOVE)	
S1144	1-762-875-21	SWITCH, KEYBOARD (EFFECT)	
S1145	1-762-875-21	SWITCH, KEYBOARD (2CH/MULTI)	
S1146	1-762-875-21	SWITCH, KEYBOARD (REC PAUSE/START)	
S1147	1-762-875-21	SWITCH, KEYBOARD (CD SYNC HI-DUB)	
		< VIBRATOR >	
X1101	1-577-101-11	VIBRATOR, CERAMIC (4MHz)	

	1-680-190-11	SUB TRANS BOARD	*****
	1-533-217-41	HOLDER, FUSE	
		< CAPACITOR >	
△C901	1-113-925-11	CERAMIC 0.01uF 20%	250V
C902	1-126-768-11	ELECT 2200uF 20%	16V
C903	1-126-933-11	ELECT 100uF 20%	16V
C904	1-164-159-11	CERAMIC 0.1uF	50V
		< CONNECTOR >	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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SUB TRANS

SURROUND AMP

Ref. No.	Part No.	Description	Remarks
CN901	1-564-321-00	PIN, CONNECTOR 2P	
* CN902	1-564-321-21	PIN, CONNECTOR 2P (AEP,AUS,CND,KR,MX)	
CN902	1-568-106-11	PIN, CONNECTOR 4P (AR)	
CN903	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE)3P	
< DIODE >			
D901	8-719-911-19	DIODE 1SS119-25	
D902	8-719-024-99	DIODE 11ES2-NTA2B	
D903	8-719-024-99	DIODE 11ES2-NTA2B	
D904	8-719-024-99	DIODE 11ES2-NTA2B	
D905	8-719-024-99	DIODE 11ES2-NTA2B	
< FUSE >			
△ F911	1-533-469-11	FUSE, GLASS TUBE (DIA. 5) 2.5A/250V (AR)	
△ F912	1-533-469-11	FUSE, GLASS TUBE (DIA. 5) 2.5A/250V (AR)	
△ F913	1-533-453-11	FUSE, GLASS TUBE (DIA. 5) 5A/125V (CND)	
△ F913	1-533-468-11	FUSE, GLASS TUBE (DIA. 5) 2A/250V (AEP)	
△ F913	1-533-469-11	FUSE, GLASS TUBE (DIA. 5) 2.5A/250V (AUS,KR)	
△ F913	1-533-472-11	FUSE, GLASS TUBE (DIA. 5) 5A/250V (AR,MX)	
< IC >			
IC901	8-759-158-62 IC TA78057S		
< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< RESISTOR >			
R902	1-249-429-11	CARBON 10K 5% 1/4W	
R903	1-249-429-11	CARBON 10K 5% 1/4W	
< RELAY >			
△ RY901	1-755-276-11	RELAY, POWER	
< SWITCH >			
△ S901	1-786-055-21	SELECTOR, VOLTAGE (VOLTAGE SELECTOR) (AR)	
< TRANSFORMER >			
△ T901	1-435-824-11	TRANSFORMER, POWER (AEP)	
△ T901	1-435-823-11	TRANSFORMER, POWER (CND)	
△ T901	1-435-825-11	TRANSFORMER, POWER (AR,AUS,KR,MX)	

	1-680-188-11	SURROUND AMP BOARD *****	
< CAPACITOR >			
C931	1-126-964-11	ELECT 10uF 20% 50V	
C932	1-126-916-11	ELECT 1000uF 20% 6.3V	
C933	1-126-964-11	ELECT 10uF 20% 50V	
C934	1-126-935-11	ELECT 470uF 20% 10V	
C937	1-126-964-11	ELECT 10uF 20% 50V	
C938	1-126-935-11	ELECT 470uF 20% 10V	
C1001	1-126-964-11	ELECT 10uF 20% 50V	
C1002	1-162-286-31	CERAMIC 220PF 10% 50V	
C1003	1-162-282-31	CERAMIC 100PF 10% 50V	
C1004	1-104-664-11	ELECT 47uF 20% 10V	
C1006	1-136-165-00	FILM 0.1uF 5% 50V	
C1007	1-136-165-00	FILM 0.1uF 5% 50V	
C1008	1-126-968-11	ELECT 100uF 20% 50V	
C1016	1-162-294-31	CERAMIC 0.001uF 10% 50V	

Ref. No.	Part No.	Description	Remarks
C1041	1-126-964-11	ELECT 10uF 20% 50V	
C1042	1-162-286-31	CERAMIC 220PF 10% 50V	
C1043	1-162-282-31	CERAMIC 100PF 10% 50V	
C1044	1-104-664-11	ELECT 47uF 20% 10V	
C1046	1-136-165-00	FILM 0.1uF 5% 50V	
C1047	1-136-165-00	FILM 0.1uF 5% 50V	
C1051	1-126-964-11	ELECT 10uF 20% 50V	
C1052	1-162-286-31	CERAMIC 220PF 10% 50V	
C1053	1-162-282-31	CERAMIC 100PF 10% 50V	
C1054	1-104-664-11	ELECT 47uF 20% 10V	
C1056	1-136-165-00	FILM 0.1uF 5% 50V	
C1057	1-136-165-00	FILM 0.1uF 5% 50V	
C1058	1-126-968-11	ELECT 100uF 20% 50V	
C1071	1-136-153-00	FILM 0.01uF 5% 50V	
C1072	1-136-153-00	FILM 0.01uF 5% 50V	
C1073	1-137-844-11	ELECT 2200uF 20% 42V (AEP,AUS,CND,KR)	
C1073	1-137-838-11	ELECT 2200uF 20% 42V (AR,MX)	
C1074	1-137-844-11	ELECT 2200uF 20% 42V (AEP,AUS,CND,KR)	
C1074	1-137-838-11	ELECT 2200uF 20% 42V (AR,MX)	
C1081	1-136-165-00	FILM 0.1uF 5% 50V (AEP)	
C1082	1-136-165-00	FILM 0.1uF 5% 50V (AEP)	
C1083	1-136-165-00	FILM 0.1uF 5% 50V (AEP)	
C1084	1-136-165-00	FILM 0.1uF 5% 50V (AEP)	
C1085	1-136-165-00	FILM 0.1uF 5% 50V (AEP)	
C1086	1-136-165-00	FILM 0.1uF 5% 50V (AEP)	
C1087	1-164-159-11	CERAMIC 0.1uF 50V	
C1088	1-164-159-11	CERAMIC 0.1uF 50V	
C1089	1-164-159-11	CERAMIC 0.1uF 50V	
< CONNECTOR >			
CN1001	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P	
< DIODE >			
D932	8-719-024-99	DIODE 11ES2-NTA2B	
D1001	8-719-911-19	DIODE 1SS119-25	
D1041	8-719-911-19	DIODE 1SS119-25	
D1051	8-719-911-19	DIODE 1SS119-25	
D1071	8-719-510-68	DIODE D5SBA204101	
D1081	8-719-911-19	DIODE 1SS119-25	
D1082	8-719-911-19	DIODE 1SS119-25	
D1091	8-719-911-19	DIODE 1SS119-25	
< IC >			
IC931	8-759-039-69 IC UPC7805AHF		
IC932	8-759-039-69 IC UPC7805AHF		
IC934	8-759-445-59 IC BA033T		
IC1001	8-749-017-19 IC STK443-050		

< COIL >

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

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HCD-DP800AV

SURROUND AMP

TRANS

Ref. No.	Part No.	Description	Remarks			
L1081	1-420-872-00	COIL, AIR-CORE	(AEP)			
L1082	1-420-872-00	COIL, AIR-CORE	(AEP)			
L1083	1-420-872-00	COIL, AIR-CORE	(AEP)			
< TRANSISTOR >						
Q931	8-729-040-20	TRANSISTOR	RT1P137L-TP			
Q932	8-729-900-80	TRANSISTOR	DTC114ES			
Q1001	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q1016	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q1017	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q1041	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q1051	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q1081	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q1083	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q1084	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
< RESISTOR >						
R934	1-249-429-11	CARBON	10K	5%	1/4W	
R1001	1-249-417-11	CARBON	1K	5%	1/4W	F
R1002	1-249-438-11	CARBON	56K	5%	1/4W	
R1003	1-249-418-11	CARBON	1.2K	5%	1/4W	F
					(AEP)	
R1003	1-249-417-11	CARBON	1K	5%	1/4W	F
					(CND)	
R1003	1-249-416-11	CARBON	820	5%	1/4W	F
					(AR,AUS,KR,MX)	
R1004	1-249-438-11	CARBON	56K	5%	1/4W	
△ R1005	1-220-755-11	METAL	0.22	10%	2W	
△ R1006	1-220-755-11	METAL	0.22	10%	2W	
R1007	1-249-417-11	CARBON	1K	5%	1/4W	F
R1008	1-249-431-11	CARBON	15K	5%	1/4W	
R1009	1-249-441-11	CARBON	100K	5%	1/4W	
R1010	1-260-076-11	CARBON	10	5%	1/2W	
△ R1011	1-212-881-11	FUSIBLE	100	5%	1/4W	
R1015	1-249-433-11	CARBON	22K	5%	1/4W	
R1016	1-249-441-11	CARBON	100K	5%	1/4W	
R1017	1-249-441-11	CARBON	100K	5%	1/4W	
R1018	1-249-436-11	CARBON	39K	5%	1/4W	
					(CND)	
R1018	1-249-437-11	CARBON	47K	5%	1/4W	
					(AEP,AR,AUS,KR,MX)	
R1019	1-249-429-11	CARBON	10K	5%	1/4W	
△ R1020	1-202-972-61	FUSIBLE	1	5%	1/4W	
R1031	1-249-437-11	CARBON	47K	5%	1/4W	
R1032	1-249-438-11	CARBON	56K	5%	1/4W	
R1033	1-249-439-11	CARBON	68K	5%	1/4W	
R1041	1-249-417-11	CARBON	1K	5%	1/4W	F
R1042	1-249-438-11	CARBON	56K	5%	1/4W	
R1043	1-249-419-11	CARBON	1.5K	5%	1/4W	F
					(AEP)	
R1043	1-249-418-11	CARBON	1.2K	5%	1/4W	F
					(CND)	
R1043	1-249-417-11	CARBON	1K	5%	1/4W	F
					(AR,AUS,KR,MX)	
R1044	1-249-438-11	CARBON	56K	5%	1/4W	
△ R1045	1-220-755-11	METAL	0.22	10%	2W	
△ R1046	1-220-755-11	METAL	0.22	10%	2W	
R1047	1-249-417-11	CARBON	1K	5%	1/4W	F
R1048	1-249-431-11	CARBON	15K	5%	1/4W	
R1049	1-249-441-11	CARBON	100K	5%	1/4W	
R1050	1-260-076-11	CARBON	10	5%	1/2W	
R1051	1-249-417-11	CARBON	1K	5%	1/4W	F
R1052	1-249-438-11	CARBON	56K	5%	1/4W	

Ref. No.	Part No.	Description	Remarks			
R1053	1-249-418-11	CARBON	1.2K	5%	1/4W	F
					(AEP)	
R1053	1-249-417-11	CARBON	1K	5%	1/4W	F
					(CND)	
R1053	1-249-416-11	CARBON	820	5%	1/4W	F
					(AR,AUS,KR,MX)	
R1054	1-249-438-11	CARBON	56K	5%	1/4W	
△ R1055	1-220-755-11	METAL	0.22	10%	2W	
△ R1056	1-220-755-11	METAL	0.22	10%	2W	
R1057	1-249-417-11	CARBON	1K	5%	1/4W	F
R1058	1-249-431-11	CARBON	15K	5%	1/4W	
R1059	1-249-441-11	CARBON	100K	5%	1/4W	
R1060	1-260-076-11	CARBON	10	5%	1/2W	
△ R1061	1-212-881-11	FUSIBLE	100	5%	1/4W	
R1071	1-249-441-11	CARBON	100K	5%	1/4W	
R1072	1-249-441-11	CARBON	100K	5%	1/4W	
R1081	1-260-076-11	CARBON	10	5%	1/2W	
					(AEP)	
R1082	1-260-076-11	CARBON	10	5%	1/2W	
					(AEP)	
R1083	1-260-076-11	CARBON	10	5%	1/2W	
					(AEP)	
R1084	1-260-076-11	CARBON	10	5%	1/2W	
					(AEP)	
R1085	1-260-076-11	CARBON	10	5%	1/2W	
					(AEP)	
R1086	1-260-076-11	CARBON	10	5%	1/2W	
					(AEP)	
R1087	1-249-437-11	CARBON	47K	5%	1/4W	
R1088	1-249-437-11	CARBON	47K	5%	1/4W	
R1089	1-249-437-11	CARBON	47K	5%	1/4W	
R1090	1-249-429-11	CARBON	10K	5%	1/4W	
△ R1094	1-215-888-00	METAL OXIDE	220	5%	2W	
					(AEP,CND)	
△ R1094	1-215-889-00	METAL OXIDE	330	5%	2W	
					(AR,AUS,KR,MX)	
R1095	1-249-429-11	CARBON	10K	5%	1/4W	
R1096	1-249-433-11	CARBON	22K	5%	1/4W	
R1097	1-249-429-11	CARBON	10K	5%	1/4W	
R1098	1-249-441-11	CARBON	100K	5%	1/4W	
△ R1099	1-215-888-00	METAL OXIDE	220	5%	2W	
					(AEP,CND)	
△ R1099	1-215-889-00	METAL OXIDE	330	5%	2W	
					(AR,AUS,KR,MX)	
< RELAY >						
RY1081	1-515-920-11	RELAY				
RY1082	1-515-920-11	RELAY				
< THERMISTOR >						
TH1001	1-807-796-11	THERMISTOR				
< TERMINAL >						
TM1001	1-694-674-22	TERMINAL BOARD (6P)				
		(REAR SPEAKER/CENTER SPEAKER)				

	1-680-189-11	TRANS BOARD				

	1-533-217-41	HOLDER, FUSE				

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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks		
< CAPACITOR >				161	X-3378-241-1	MOTOR ASSY			
C911	1-128-576-11	ELECT	100uF 20% 63V	205	1-454-887-32	SOLENOID, PLUNGER			
C912	1-126-960-11	ELECT	1uF 20% 50V	211	X-3378-241-1	MOTOR ASSY			
C913	1-126-968-11	ELECT	100uF 20% 50V	259	1-791-983-12	WIRE (FLAT TYPE) (8 CORE)			
C915	1-164-159-11	CERAMIC	0.1uF 50V	306	1-757-710-11	WIRE (FLAT TYPE) (16 CORE)			
< CONNECTOR >				△ 307	A-4735-188-A	BU-30 (60) ASSY			
* CN913	1-564-518-11	PLUG, CONNECTOR 3P		FL1101	1-518-722-11	INDICATOR TUBE, FLUORESCENT			
* CN914	1-564-525-11	PLUG, CONNECTOR 10P		M721	A-4672-826-A	MOTOR ASSY			
* CN915	1-564-519-11	PLUG, CONNECTOR 4P		△ M901	1-763-072-11	FAN, DC			
< DIODE >				△ T911	1-435-815-11	TRANSFORMER, POWER (CND)			
D911	8-719-024-99	DIODE 1 1ES2-NTA2B		△ T911	1-435-816-11	TRANSFORMER, POWER (AEP)			
D912	8-719-983-88	DIODE MTZJ-T-72-33C		△ T911	1-435-817-11	TRANSFORMER, POWER (AR, AUS, KR, MX)			
D913	8-719-118-56	DIODE RD4.7F-T7B1		*****					
< FUSE >				*****					
△ F916	1-533-454-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/125V(CND)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			
△ F916	1-533-473-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/250V (AEP,AR,AUS,KR,MX)		#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S			
△ F917	1-533-454-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/125V(CND)		#3	7-685-105-19	TPG +P 2X8, TYPE2 N-S			
△ F917	1-533-473-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/250V (AEP,AR,AUS,KR,MX)		#4	7-685-881-09	SCREW +BVTT 4X8 (S)			
△ F918	1-533-454-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/125V(CND)		#5	7-685-650-79	SCREW +BVTP 3X16 TYPE2 N-S			
△ F918	1-533-473-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/250V (AEP,AR,AUS,KR,MX)		#6	7-685-872-09	SCREW +BVTT 3X8 (S)			
△ F919	1-533-454-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/125V(CND)		#7	7-623-921-01	RING,RETAINING, CAPSTAN			
△ F919	1-533-472-11	FUSE, GLASS TUBE (DIA. 5) 5A/250V (AEP,AR,AUS,KR,MX)		#8	7-628-254-05	SCREW +PS 2.6X5			
< TRANSISTOR >				#9	7-685-781-09	SCREW +PTT 2X4 (S)			
Q971	8-729-048-52	TRANSISTOR 2SA1932(TP)		#10	7-627-853-28	SCREW, PRECISION +P 2X3 TYPE3			
< RESISTOR >				<table><tr><td>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</td><td>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</td></tr></table>				The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.								
△ R911	1-219-124-11	FUSIBLE	0.68 5% 1/4W						
R913	1-249-429-11	CARBON	10K 5% 1/4W						
R914	1-249-429-11	CARBON	10K 5% 1/4W						
R915	1-247-807-31	CARBON	100 5% 1/4W						
R916	1-247-807-31	CARBON	100 5% 1/4W						
R918	1-219-237-11	SOLID	3.3M 20% 1/2W (CND)						
< TRANSFORMER >									
△ T911	1-435-815-11	TRANSFORMER, POWER (CND)							
△ T911	1-435-816-11	TRANSFORMER, POWER (AEP)							
△ T911	1-435-817-11	TRANSFORMER, POWER (AR,AUS,KR,MX)							

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

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

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