

HCD-ZUX10D

SERVICE MANUAL

Ver. 1.3 2009.06

*E Model
Australian Model*



- HCD-ZUX10D is the tuner, deck, DVD and amplifier section in LBT-ZUX10D.

DVD Section	Model Name Using Similar Mechanism	HCD-GNZ777D/GNZ888D
	CD Mechanism Type	CDM74HF-DVBU101
	Optical Pick-up Name	KHM-313CAB/C2NP
Tape Section	Model Name Using Similar Mechanism	HCD-GN1100D

SPECIFICATIONS

Amplifier section

The following are measured at AC 120, 127, 220, 240V 50/60 Hz

Power Output (rated):

170 W + 170 W (6 Ω , 1 kHz, 1% THD)

RMS output power (reference)

Front speaker:

260 W + 260 W (per channel at 6 Ω , 1 kHz, 10% THD)

Center speaker:

80 W (per channel at 6 Ω , 1 kHz, 10% THD)

Surround speaker:

260 W + 260 W (per channel at 6 Ω , 1 kHz, 10% THD)

Inputs

VIDEO INPUT:

VIDEO: 1 Vp-p, 75 ohms

AUDIO L/R: Voltage 250 mV, impedance 47 kilohms

TV/SAT AUDIO IN L/R:

Voltage 250 mV/450 mV, impedance 47 kilohms

MIC 1 or 2:

Sensitivity 1 mV, impedance 10 kilohms

Outputs

AUDIO OUT:

Voltage 250 mV, impedance 1 kilohm

VIDEO OUT:

Max. output level 1 Vp-p, unbalanced, Sync. negative load impedance 75 ohms

COMPONENT VIDEO OUT:

Y: 1 Vp-p, 75 ohms

PB/CB: 0.7 Vp-p, 75 ohms

PR/CR: 0.7 Vp-p, 75 ohms

S VIDEO OUT:

Y: 1 Vp-p, unbalanced, Sync. negative

C: 0.286 Vp-p, load impedance

75 ohms

PHONES:

accepts headphones of 8 ohms or more

SUBWOOFER OUT:

Voltage 1 V, impedance 1 kilohm

– Continued on next page –

DVD DECK RECEIVER

9-887-800-04
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Sony Corporation
Audio&Video Business Group
Published by Sony Techno Create Corporation

SONY®

HCD-ZUX10D

Ver. 1.3

Disc player section

System

Compact disc and digital audio and video system

Laser

Semiconductor laser (DVD: $\lambda = 650$ nm, CD: $\lambda = 790$ nm)

Emission duration: continuous

Frequency response

DVD (PCM 48 kHz): 2 Hz – 22 kHz (± 1 dB)

CD: 2 Hz – 20 kHz (± 0.5 dB)

Video color system format

Latin American models: NTSC

Other models: NTSC and PAL

Tape deck section

Recording system

4-track 2-channel stereo

Frequency response

50 – 13,000 Hz (± 3 dB), using Sony TYPE I tape

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

87.5 – 108.0 MHz (50 kHz step)

Antenna

FM lead antenna

Antenna terminals

75 ohms unbalanced

Intermediate frequency

10.7 MHz

AM tuner section

Tuning range

Latin American and Oceanian models:
530 – 1,710 kHz (with the interval set at 10 kHz)

531 – 1,710 kHz (with the interval set at 9 kHz)

Other models:

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

530 – 1,610 kHz (with the interval set at 10 kHz)

Antenna

AM loop antenna

Antenna terminals

External antenna terminal

Intermediate frequency

450 kHz

General

Power requirements

Oceanian models: 230 – 240 V AC, 50/60 Hz

Saudi Arabian model: 120 – 127 V, 220 V or 230 – 240 V AC, 50/60 Hz, adjustable with voltage selector

Other models: 120 V, 220 V or 230 – 240 V AC, 50/60 Hz, adjustable with voltage selector

Power consumption

420 W

Dimensions (Approx.)

491 × 297.5 × 460 mm (w/h/d)

Mass (Approx.)

20 kg

Supplied accessories:

Remote Commander (2)

R6 (size AA) batteries (4)

AM loop antenna (1)

FM lead antenna (1)

Video cord (1)

Front speaker pads (8)

Surround speaker pads (8)

Center speaker pads (4)

Speaker cords (5)

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.

Notes on chip component replacement

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

Flexible Circuit Board Repairing

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

UNLEADED SOLDER

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

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

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

CAUTION

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

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

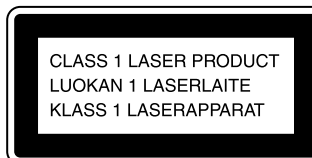
The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter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

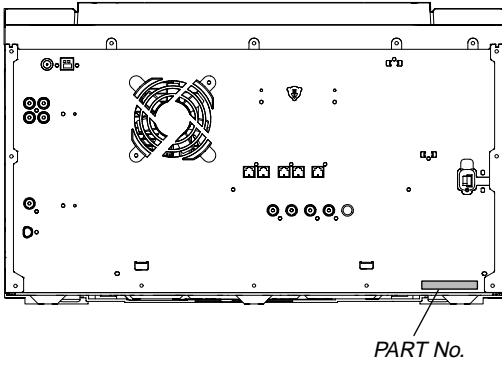
Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



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

MODEL IDENTIFICATION

– BACK PANEL –



Model	Part No.
E3	3-100-831-0□
MY, SP	3-100-831-1□
AUS	3-100-831-2□
E2	3-100-831-3□
E51	3-100-831-4□
EA	3-100-831-5□

• Abbreviation

- E2 : 120 V AC area in E model
- E3 : 240 V AC area in E model
- EA : Saudi Arabia model
- E51 : Chilean and Peruvian model
- AUS : Australian model
- MY : Malaysia model
- SP : Singapore model

PLAYABLE DISCS

Type	Characteristics	Logo
DVD VIDEO	<ul style="list-style-type: none"> • DVD VIDEO • DVD-R*/-RW*/+R/+RW in DVD VIDEO format * also in video mode 	
VR mode	<ul style="list-style-type: none"> • DVD-R/-RW in VR (Video Recording) mode 	
VIDEO CD	<ul style="list-style-type: none"> • VIDEO CD • Super VCD • CD-R/-RW in VIDEO CD or Super VCD format 	
CD	<ul style="list-style-type: none"> • AUDIO CD • CD-R/-RW in AUDIO CD format 	
DATA CD	<ul style="list-style-type: none"> • CD-ROM/-R/-RW in DATA CD format, containing MP3 audio tracks¹⁾, JPEG image files²⁾ or DivX video files³⁾, and conforming to ISO 9660⁴⁾ Level 1 or Level 2, or Joliet (expansion format). 	
DATA DVD	<ul style="list-style-type: none"> • DVD-ROM/-R/-RW/+R/+RW in DATA DVD format, containing MP3 audio tracks¹⁾, JPEG image files²⁾ or DivX video files³⁾, and conforming to UDF (Universal Disk Format). 	

This system can also play back discs with the following disc logos:



- 1) MP3 (MPEG 1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses audio data. MP3 audio tracks must be in MPEG 1 Audio Layer 3 format.
- 2) JPEG image files must conform to the DCF image file format. (DCF “Design rule for Camera File System”: Image standards for digital cameras regulated by Japan Electronics and Information Technology Industries Association (JEITA)).
- 3) DivX video files must be recorded in DivX format with the extension “.AVI” or “.DIVX”.
- 4) A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).

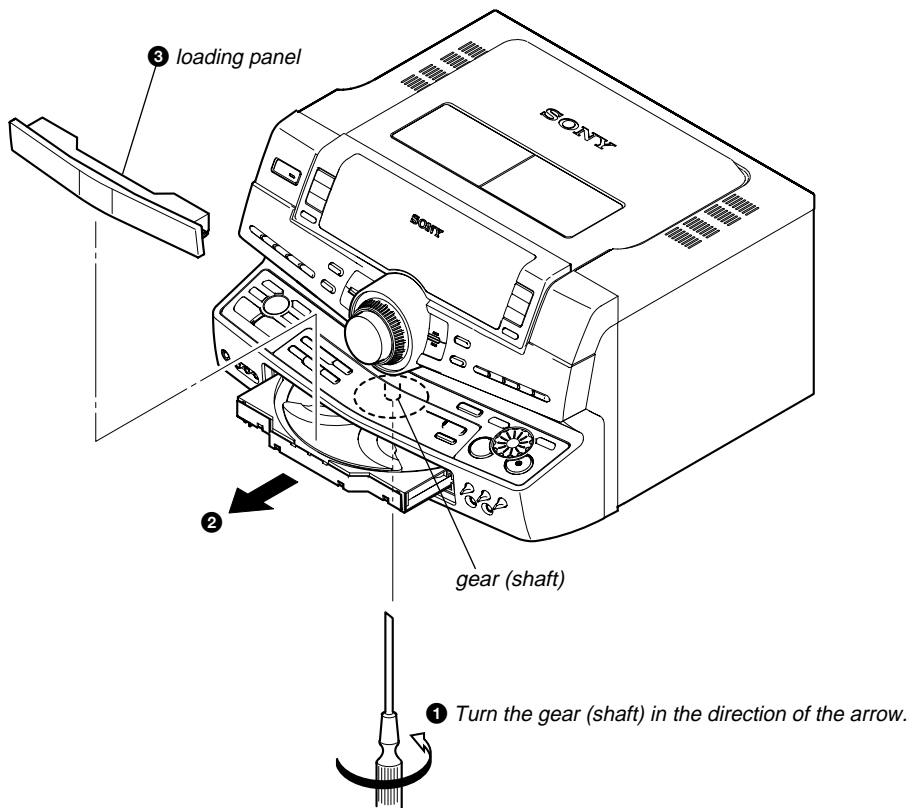
DivX® is a video file compression technology, developed by DivX, Inc.. DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license. “DVD+RW”, “DVD-RW”, “DVD+R”, “DVD VIDEO”, and the “CD” logos are trademarks.

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SECTION 1
SERVICING NOTES

LOADING PANEL



**SECTION 2
GENERAL**

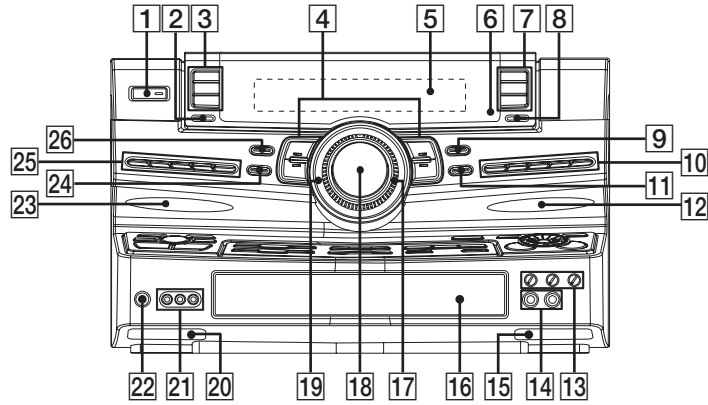
This section is extracted from instruction manual.

Guide to parts and controls

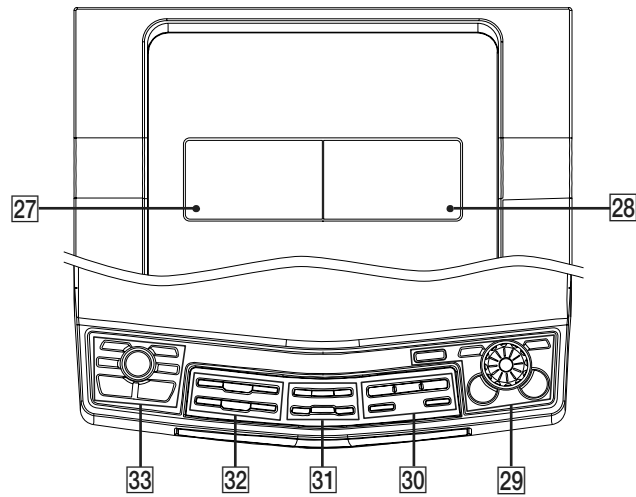
Guide to parts and controls

This manual mainly explains operations using the remote, but the same operations can also be performed using the buttons on the unit having the same or similar names.

Front view



Top view



Continued ➡

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- 1 I/⏻ (on/standby) (pages 18, 19, 20, 54, 77, 78, 84)
Press to turn the system on or off.
- 2 BEAM MODE (page 71)
Press to change the lighting effect of a beam.
- 3 DVD (pages 19, 27, 56, 65, 71, 82)
TUNER/BAND (pages 53, 71)
TAPE A (pages 55, 71)
Press to select a function.
- 4 FLANGER (pages 60, 79, 84)
DELAY (pages 60, 79, 84)
CHORUS (pages 61, 79, 84)
AQUA (pages 61, 79, 84)
Press to select an effector mode.
- 5 Display (pages 13, 72, 85)
- 6 IR Receptor (page 79)
- 7 TV/SAT (pages 71, 76, 79)
VIDEO (pages 71, 77)
TAPE B (pages 55, 69, 71)
Press to select a function.
- 8 DISPLAY (pages 71, 72)
Press to change the information in the front panel display.
- 9 GROOVE (page 58)
Press to reinforce the bass.
- 10 FLAT (page 58)
MP3 EQ (page 58)
REGGAE (page 58)
HIP HOP (page 58)
TECHNO (page 58)
Press to select a preset effect.
- 11 SOUND FIELD (page 59)
Press to select a sound field.
- 12 FRONT BEAM (right) (pages 71, 79)
- 13 MIC 1/2 LEVEL (pages 57, 65, 78)
Turn to adjust the microphone volume.
ECHO LEVEL (page 65)
Turn to adjust the microphone echo effect.
- 14 MIC 1/2 (jack) (pages 57, 65, 78)
Connect the microphones.
- 15 BOTTOM BEAM (right) (page 71)
- 16 Disc tray (pages 13, 27, 80)
- 17 OPERATION DIAL (pages 58, 63, 70)
Turn to select a setting.
- 18 MASTER VOLUME (pages 27, 69, 78)
Turn to adjust the volume.
- 19 Power illuminator (page 70)
- 20 BOTTOM BEAM (left) (page 71)
- 21 VIDEO INPUT (jacks) (page 75)
Connect an audio or video component.
- 22 PHONES (jack) (page 78)
Connect the headphones.
- 23 FRONT BEAM (left) (pages 71, 79)
- 24 EQ BAND/MEMORY (page 58)
Press to select a frequency band when adjusting the graphic equalizer.
- 25 ROCK (page 58)
POP (page 58)
JAZZ (page 58)
DANCE (page 58)
Press to select a preset effect.
USER EQ (page 58)
Press to select a user equalizer.

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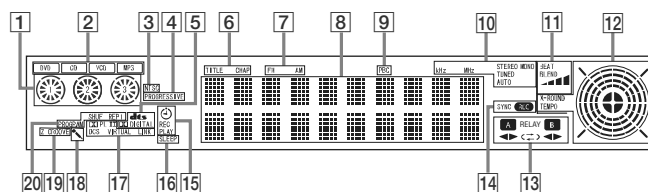
- 26** AMP MENU (page 70)
Press to change the spectrum analyser display, adjust the brightness of the display and built-in beam or change the power illuminator pattern.
- 27** A ▲ PUSH OPEN/CLOSE (Eject A) (page 55)
Press to insert or eject a tape.
Deck A (page 55)
- 28** B PUSH ▲ OPEN/CLOSE (Eject B) (page 55)
Press to insert or eject a tape.
Deck B (pages 55, 56, 69)
- 29** X-ROUND ON/OFF (pages 61, 62)
Press to turn on or off the X-ROUND mode.
X-ROUND MODE (pages 61, 62)
Press to select an X-ROUND mode.
MAX/JUMP MODE (page 62)
Press to select the way of creating the "MAX" and "JUMP" effect.
X-ROUND JOG (page 62)
Turn to change the sound movement or the speed of the sound movement.
MAX PAD (page 62)
Press to enhance the sound.
JUMP PAD (page 62)
Press to switch the sound position to the opposite direction.
- 30** DISC 1 ~ 3 (page 28)
Press to select a disc or switch to DVD function from another source.
DISC SKIP/EX-CHANGE (pages 19, 27, 28)
Press to exchange other discs during playback.
▲ OPEN/CLOSE (pages 19, 27, 80)
Press to load or eject a disc.
- 31** || (pause) (pages 27, 55)
Press to pause playback.
ENTER (pages 23, 31, 53, 58, 69, 84)
Press to enter the selection.
PROGRESSIVE (pages 21, 76, 82)
Press to select the format of the video signals output from the COMPONENT VIDEO OUT jacks.
CD SYNC (page 56)
Press to start CD Synchro Recording.
REC PAUSE/START (page 56)
Press to start manual recording.
DIRECTION (pages 55, 69)
Press to select the tape playback and recording option.

Continued ⇨

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- 32** PRESET +/- (page 53)
Press to select a preset station.
- ◀◀/▶▶** (go backward/go forward) (pages 27, 38, 56, 84)
Press to select a track, chapter or DivX video file.
- TUNING +/- (pages 53, 54)
Press to tune in a radio station.
- ◀◀◀/▶▶▶** (rewind/fast forward) (page 27)
Press to rewind or fast forward.
Press to watch frame by frame when playback is paused.
- ▶▶** (play) (pages 27, 55, 78)
Press to start playback.
- (stop) (pages 27, 53, 55)
Press to stop playback or recording.
- 33** BEAT ON/OFF (page 63)
Press to turn on or off the rhythms of the beat.
- BEAT LEVEL (page 63)
Press to adjust the beat level.
- BEAT SPEED (page 64)
Press to change the beat speed.
- BEAT PATTERN (page 64)
Press to select the rhythms of the beat.
- BPM CONTROL (page 64)
Press to input the tempo of the audio source.
- PAD A/PAD B (page 63)
Press to add percussion sound.

Display

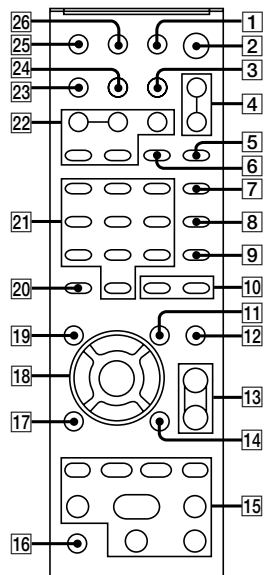


- 1 Indicators for the disc tray (page 27).
“○” lights up when the disc is selected. “☼” lights up when there is a disc on the disc tray. “1”, “2” and “3” light up when the system is turned on.
- 2 Indicators for the DVD function (page 27).
“DVD” lights up when DVD VIDEO, DVD-R/-RW in VR mode or DATA DVD is detected. “CD” lights up when AUDIO CD or DATA CD is detected. “VCD” lights up when VIDEO CD or Super VCD is detected. “MP3” lights up when MP3 audio tracks are played back.
- 3 Lights up when the color system of the video output is NTSC (page 20).
- 4 Lights up when “P AUTO” or “P VIDEO” is selected (page 21).
- 5 “**dts**” lights up when DTS source is played back (page 50).
“**DIGITAL**” lights up when Dolby Digital source is played back (page 50).
- 6 Lights up when the elapsed playing time and the remaining playing time for the title or chapter is displayed (page 72).
- 7 Indicators for the tuner band (page 53).
- 8 Displays the current status and information (page 72).
- 9 Lights up when VIDEO CD with PBC functions is played back (page 30).
- 10 Indicators for the TUNER function (page 53).
- 11 Indicators for the BEAT BLEND mode (page 63).
- 12 Indicators for the X-ROUND mode (page 61).
- 13 Indicators for the TAPE function (page 55).
“**A**” and “**B**” lights up when the system is turned on.
“◀” or “▶” lights up when there is a tape in the deck and indicates the tape playback direction. “RELAY”, “↔” and “↔” indicates the tape playback option.
- 14 Indicators for the recording type and status (page 56).
- 15 Lights up when the Play Timer or Recording Timer is set (page 69).
- 16 Lights up when the Sleep Timer is activated (page 69).
- 17 Indicators for sound field (page 59).
“**PL**” or “**PL II**” lights up when Pro Logic decoding or Pro Logic II Movie/Music decoding is performed. “VIRTUAL” lights up when “HP VIRTUAL” is selected. “VIRTUAL” and “DCS” light up when “V.M.DIM.” is selected. “LINK” lights up when “LINK” is selected.
- 18 Lights up when Karaoke Mode is turned on (page 65).
- 19 “GROOVE” lights up when “GROOVE ON” is selected.
“Z GROOVE” lights up when “Z-GROOVE ON” is selected (page 58).

Continued ➞

- 20 Indicates the selected play mode (page 31).
 “SHUF” lights up when Shuffle Play is activated. “PROGRAM” lights up when Program Play is activated.
 “REP” lights up when Repeat Play is set to “ALL DISCS”, “ONE DISC”, “ALBUM” or “ON”. “REP 1” lights up when Repeat Play is set to “TITLE”, “CHAPTER”, “TRACK” or “FILE”.

Remote (RM-AMU005)



- 1 THEATRE SYNC (page 26)
Press to operate the THEATRE SYNC function.
- 2 TV I/⏻ (on/standby) (page 22)
Press to turn the TV on or off.
- I/⏻ (on/standby) (pages 18, 23, 78)
Press to turn the system on or off.

- 3 DISC SKIP (page 28)
Press to select the next disc.
- 4 FUNCTION +/- (pages 27, 53, 55, 76)
Press to select a function.
- 5 PICTURE NAVI (pages 36, 38)
Press to search for a scene or a JPEG image file.
- 6 REPEAT/FM MODE (pages 34, 54, 83)
Press to change the Repeat Play setting.
Press to select the FM monaural or stereo reception.
- 7 AUDIO (pages 29, 65, 74)
Press to select the audio format.
- 8 SUBTITLE/D.TUNING (pages 29, 54)
Press to turn on or off or change the language of the subtitle.
Press to enter direct tuning mode.
- 9 ANGLE (page 28)
Press to change the angle.
- 10 +/- (pages 25, 27)
Press to select an album.
- 11 DVD/TUNER MENU (pages 34, 38, 53)
Press to display the menu of the DVD VIDEO.
Press to preset a radio station.
- 12 SOUND FIELD (page 59)
Press to select a sound field.
- 13 TV VOL +/-* (page 22)
Press to adjust the TV volume.
- VOLUME +/-* (pages 27, 69, 78)
Press to adjust the volume.
- 14 DISPLAY (pages 31, 47, 66, 90)
Press to turn on or off or change the Control Menu display on the TV screen.

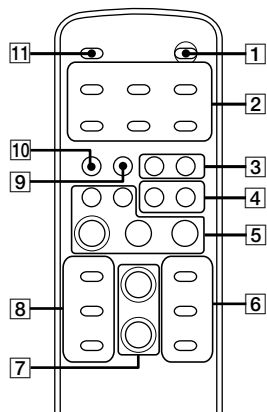
- 15** TV CH +/- (page 22)
Press to select a TV channel.
- PRESET +/-** (page 53)
Press to select a preset station.
- ◀◀/▶▶** (go backward/go forward) (pages 27, 38, 56, 84)
Press to select a track, chapter or DivX video file and to adjust the time when setting the clock or timer.
- ◀◀ STEP ▶▶** (page 28)
Press to watch one frame at a time.
- REPLAY ◀◀/ADVANCE ▶▶** (page 28)
Press to replay the previous scene or briefly fast forward the current scene.
- TUNING +/-** (pages 53, 54)
Press to tune in a radio station.
- SLOW ◀◀/SLOW ▶▶** (page 28)
Press to watch frame by frame.
- ◀◀/▶▶** (rewind/fast forward (page 27)
Press to rewind or fast forward.
- ▷*** (play) (pages 27, 55, 78)
▬ (pause) (pages 27, 55)
■ (stop) (pages 27, 53, 55)
Press to start, pause or stop playback.
- 16** TV (page 22)
Hold down TV and press the button you want to operate the TV.
- 17** ↶ RETURN (pages 30, 37, 38)
Press to return to the previous display.
- 18** ▲/▼/◀/▶ (pages 23, 31, 53, 66, 69)
Press to select the settings.
- ENTER** (pages 23, 31, 53, 58, 69)
Press to enter the selection.
- 19** DVD TOP MENU (page 34)
Press to display the DVD title.
- 20** -/- (page 22)
Press to enter a double digit channel number for TV.
- CLEAR** (pages 24, 25, 32, 39)
Press to cancel the play mode or clear a mistake when you press the incorrect numeric button.
- 21** Numeric buttons* (pages 22, 27, 44, 53)
Press to tune or preset a radio station, enter a track or file number, etc.
- 22** KEY CONTROL b/# (page 67)
SCORE (page 67)
KARAOKE MODE (page 65)
KARAOKE PON (page 67)
Press to enjoy the karaoke function.
- 23** DISPLAY (pages 71, 72)
Press to change the information in the front panel display.
- 24** TIME/TEXT (pages 72, 73)
Press to check the elapsed playing time, remaining time, title, etc.
- 25** TV INPUT (page 22)
Press to switch the TV's input source.
- SLEEP** (pages 25, 69)
Press to activate the Sleep Timer.
- 26** TIMER MENU (pages 23, 69)
Press to set the clock and timer.

Continued ➞

15^{GB}

* The numeric button 5, TV VOL +, VOLUME + and ▷ buttons have a tactile dot. Use the tactile dot as a reference when operating the system.

X-TRANCE PRO remote (RM-AMU007)



- 1** I/⏻ (on/standby) (pages 18, 23, 78)
Press to turn the system on or off.
- 2** X-ROUND ON/OFF (pages 61, 62)
Press to turn on or off the X-ROUND mode.

X-ROUND MODE (pages 61, 62)
Press to select an X-ROUND mode.

MAX PAD (page 62)
Press to enhance the sound.

JUMP PAD (page 62)
Press to switch the sound position to the opposite direction.

X-ROUND +/- (page 62)
Press to change the sound movement or the speed of the sound movement.

- 3** PAD A (page 63)
PAD B (page 63)
Press to add percussion sound.
- 4** FRONT BUILT-IN BEAM (page 71)
BOTTOM BUILT-IN BEAM (page 71)
Press to change the lighting effect of the beam.
- 5** -◀◀/▶▶+ (go backward/go forward) (pages 27, 38, 56, 84)
Press to select a track or file.

▶ (play) (pages 27, 55, 78)
|| (pause) (pages 27, 55)
■ (stop) (pages 27, 53, 55)
Press to start, pause or stop playback.
- 6** BEAT LEVEL (page 63)
Press to adjust the beat level.

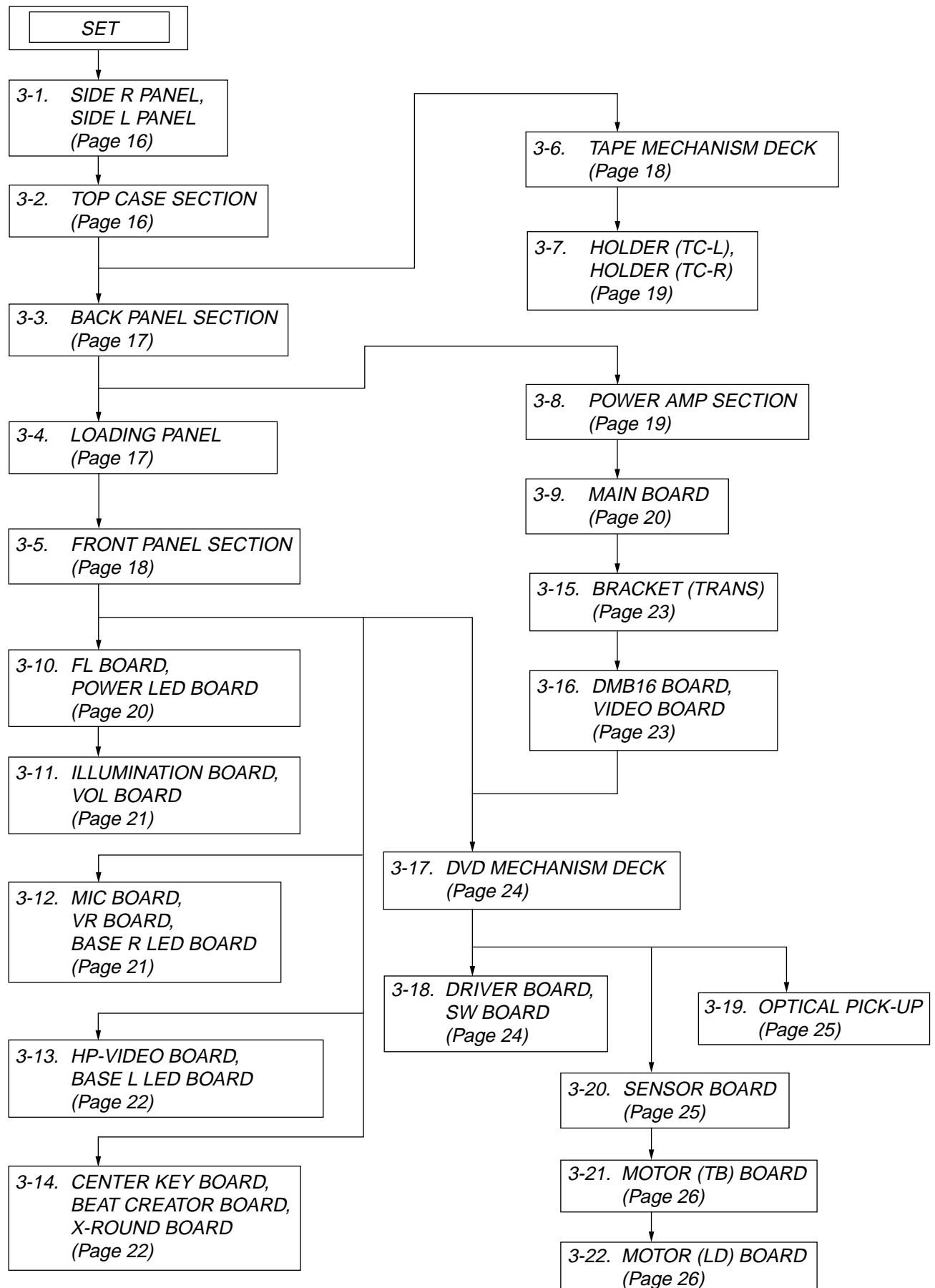
BEAT PATTERN +/- (page 64)
Press to select the rhythms of the beat.
- 7** VOLUME +/-* (pages 27, 69, 78)
Press to adjust the volume.
- 8** BEAT ON/OFF (page 63)
Press to turn on or off the rhythms of the beat.

BEAT SPEED +/- (page 64)
Press to change the beat speed.
- 9** GROOVE (page 58)
Press to reinforce the bass.
- 10** SOUND EFFECT (page 61)
Press to select an effector mode.
- 11** FUNCTION (pages 27, 53, 55, 76)
Press to select a function.

* The VOLUME + button has a tactile dot. Use the tactile dot as a reference when operating the system.

SECTION 3 DISASSEMBLY

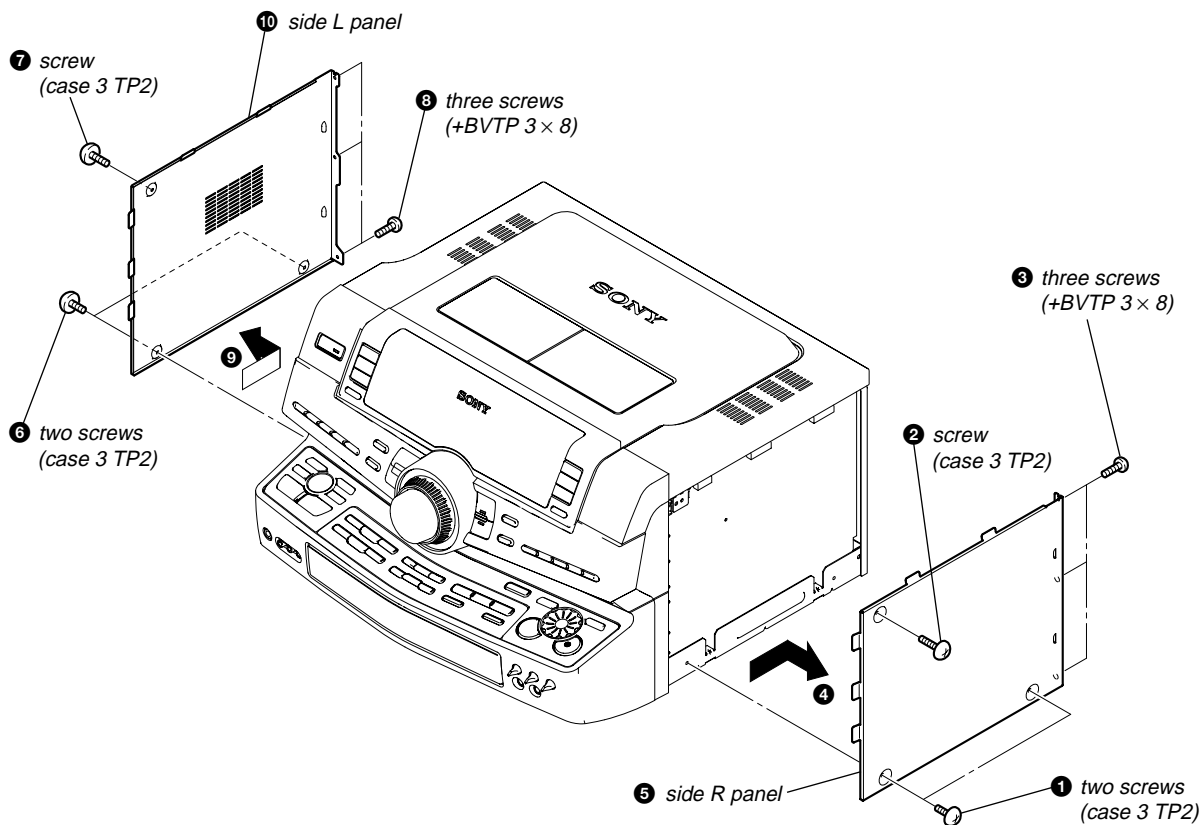
Note: Disassemble the unit in the order as shown below.



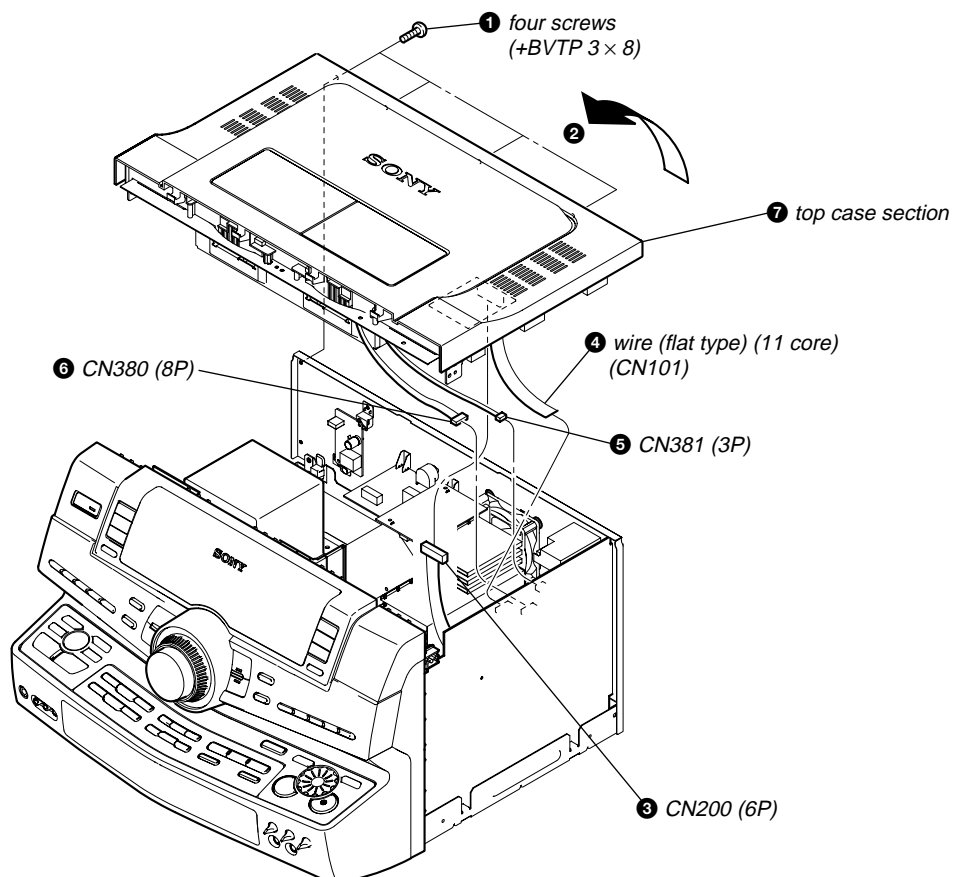
HCD-ZUX10D

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

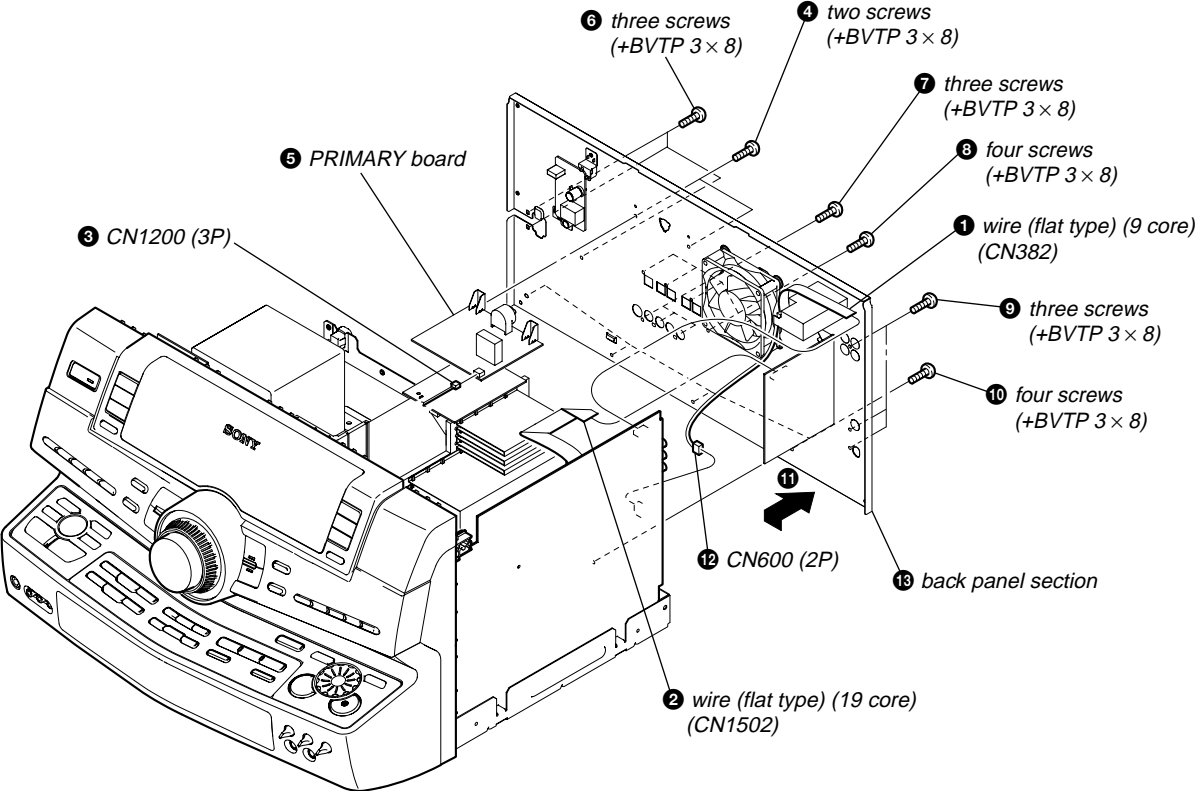
3-1. SIDE R PANEL, SIDE L PANEL



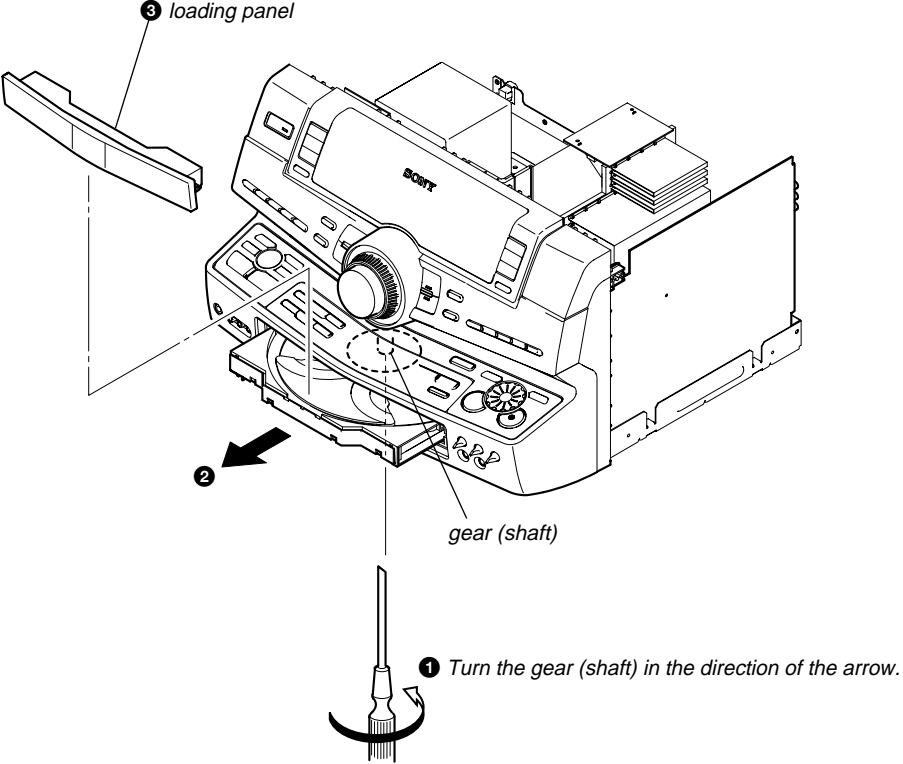
3-2. TOP CASE SECTION



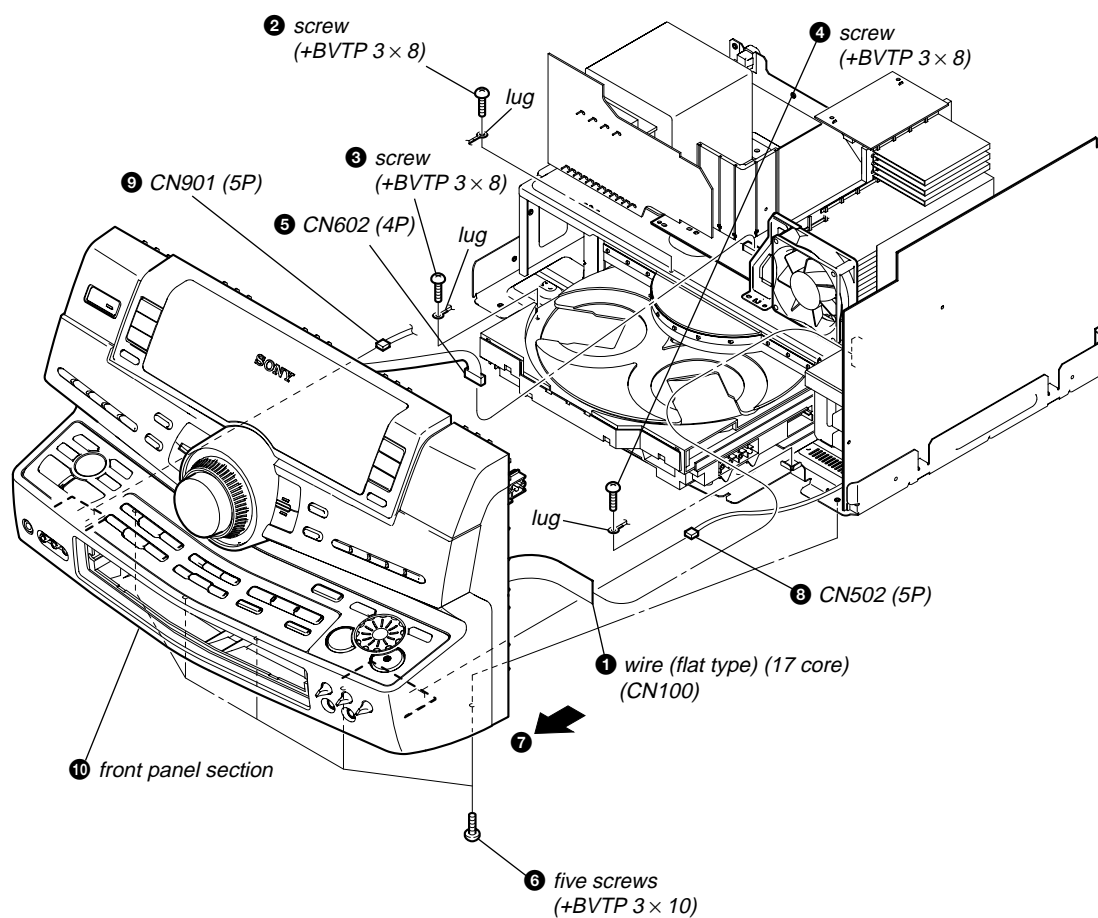
3-3. BACK PANEL SECTION



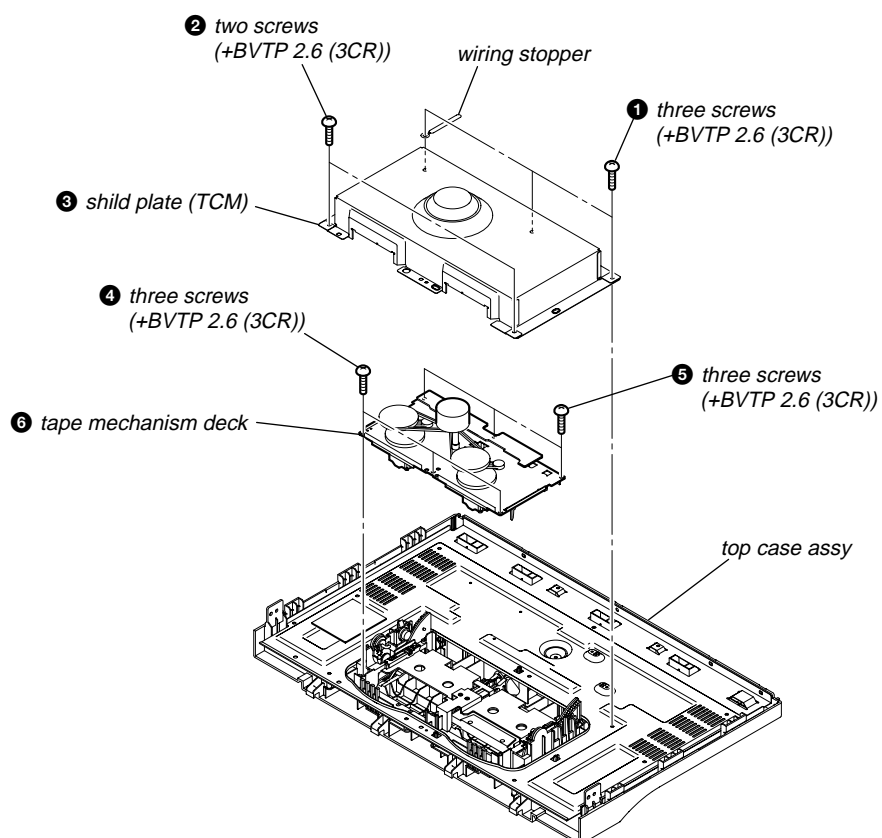
3-4. LOADING PANEL



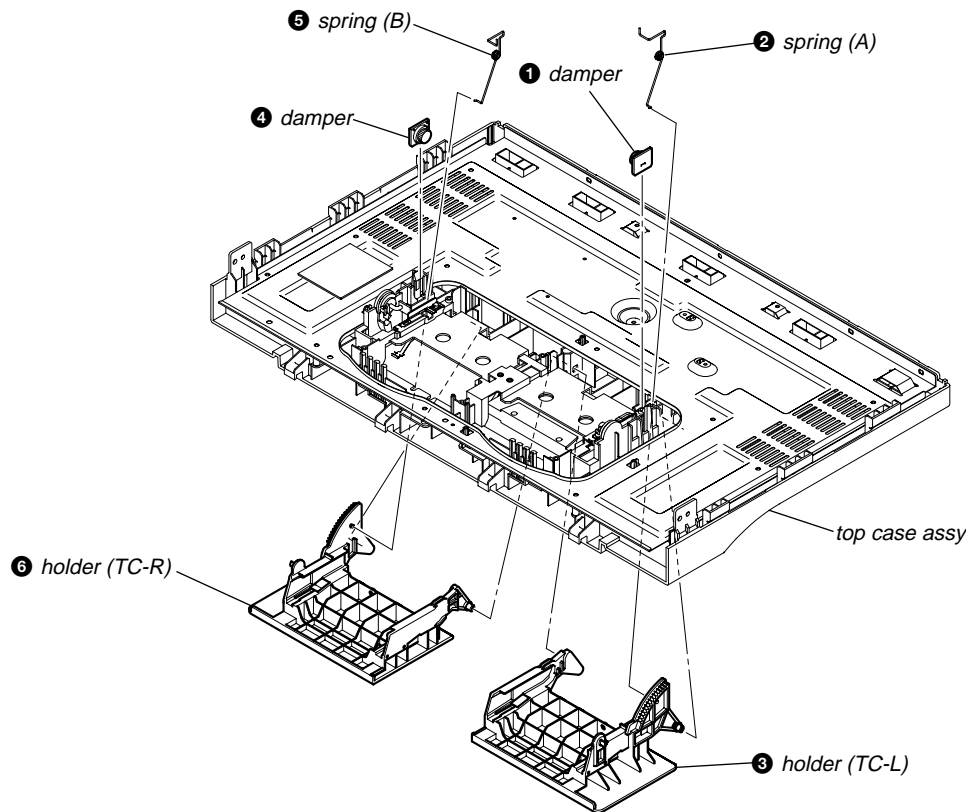
3-5. FRONT PANEL SECTION



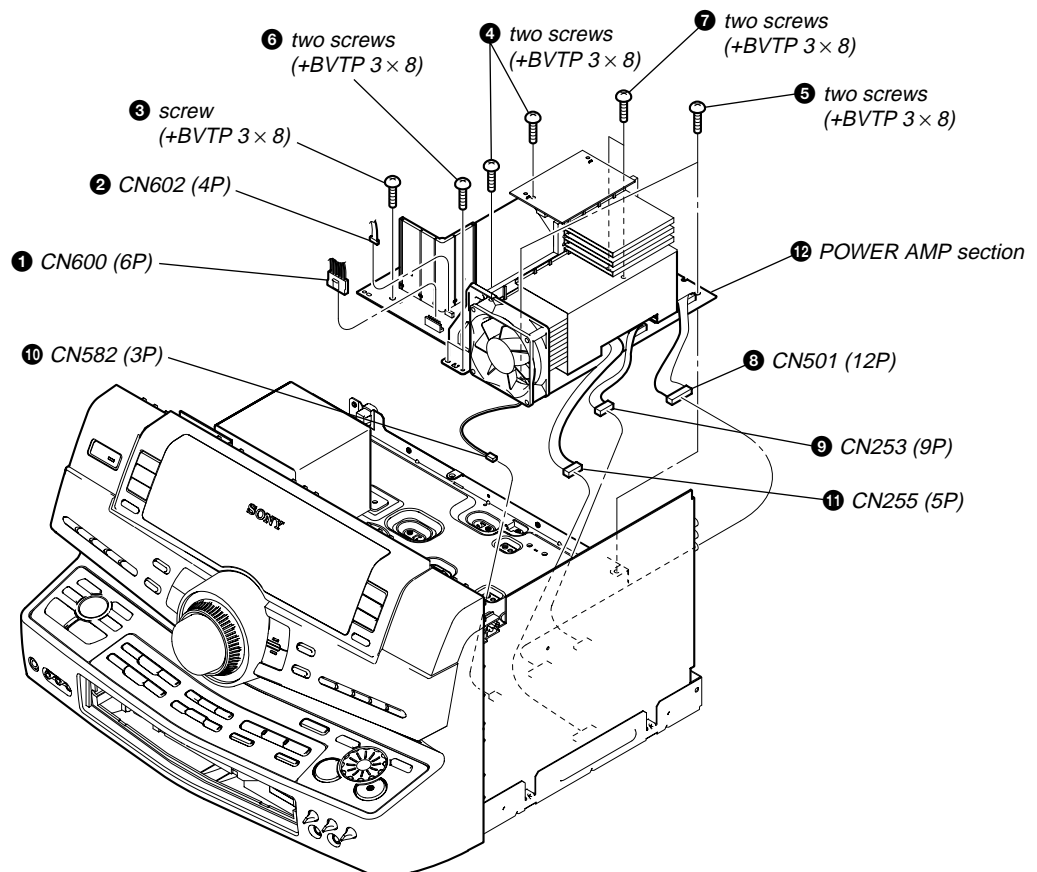
3-6. TAPE MECHANISM DECK



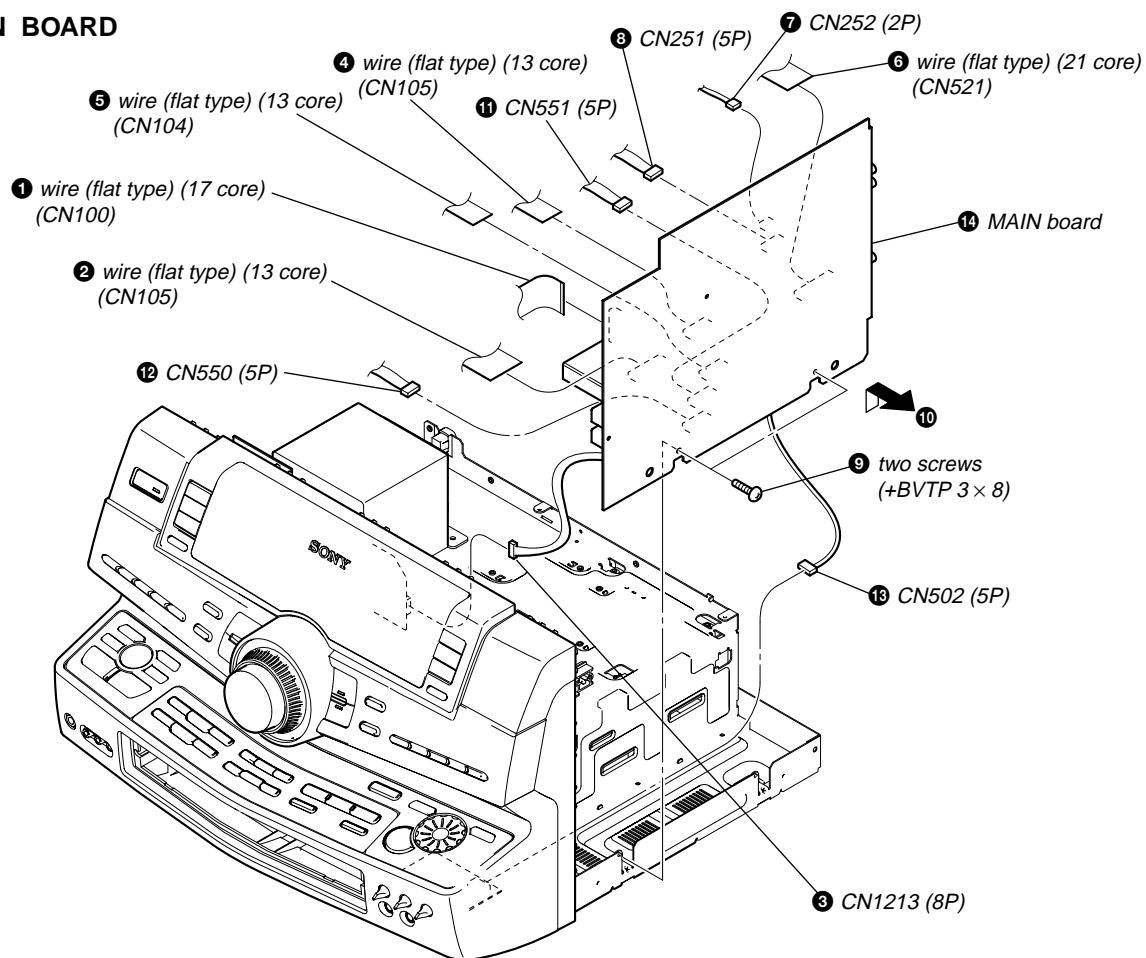
3-7. HOLDER (TC-L), HOLDER (TC-R)



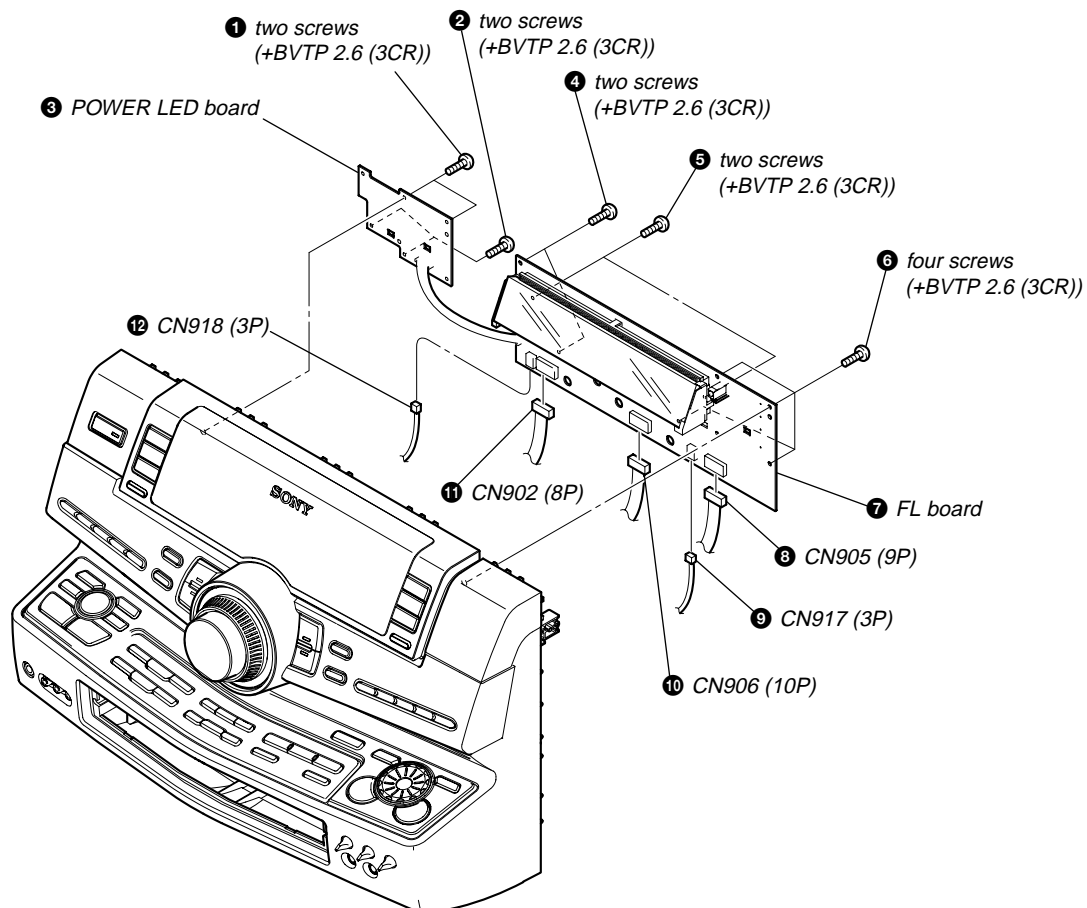
3-8. POWER AMP SECTION



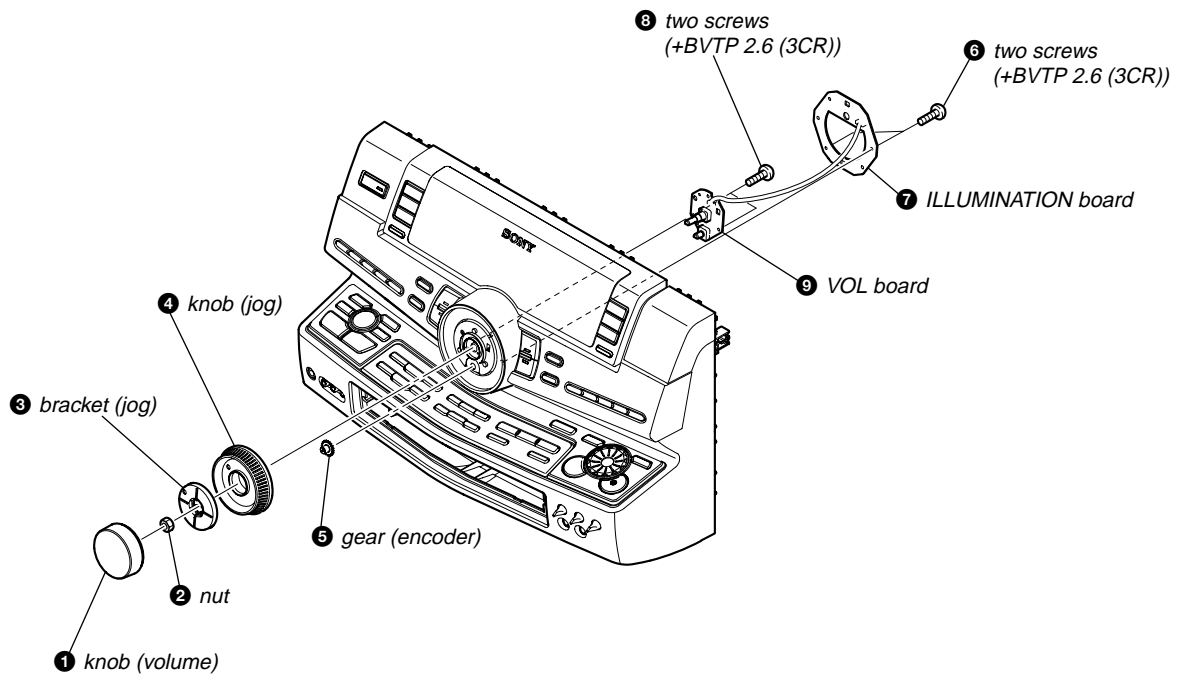
3-9. MAIN BOARD



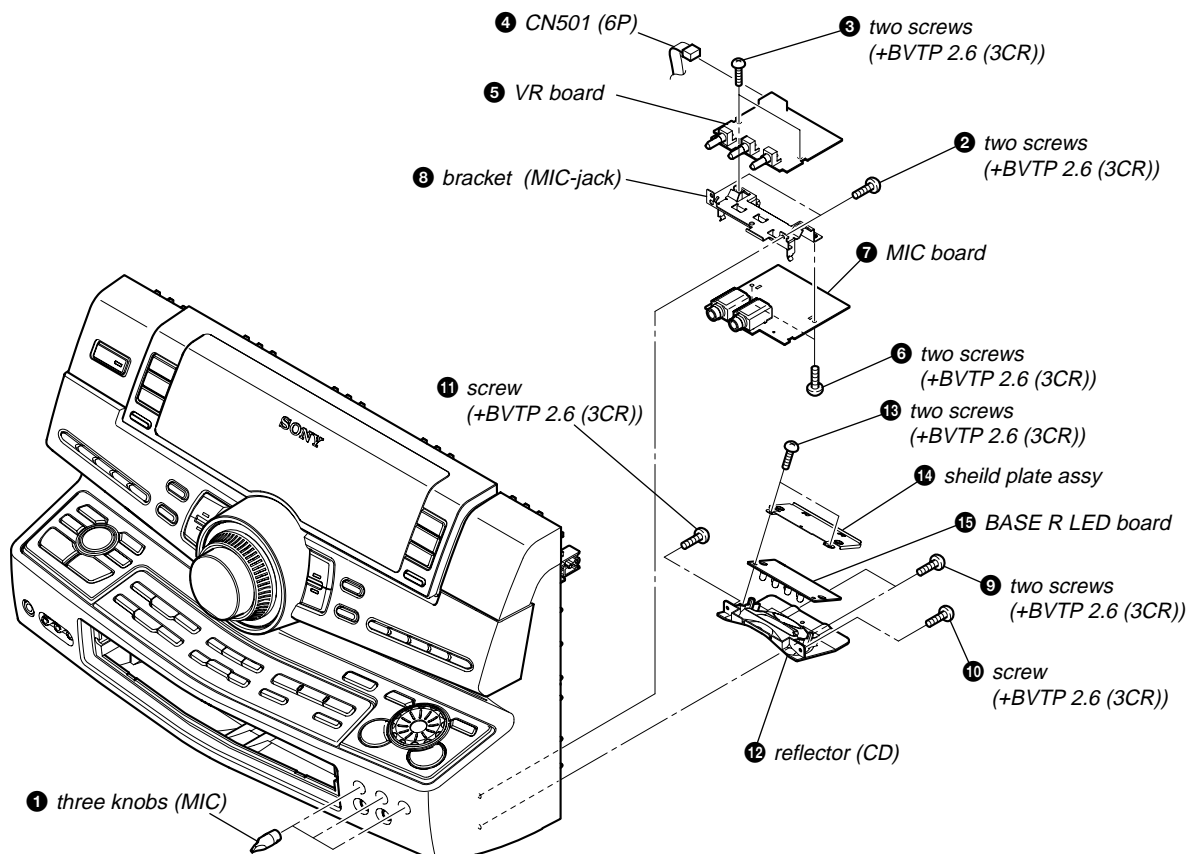
3-10. FL BOARD, POWER LED BOARD



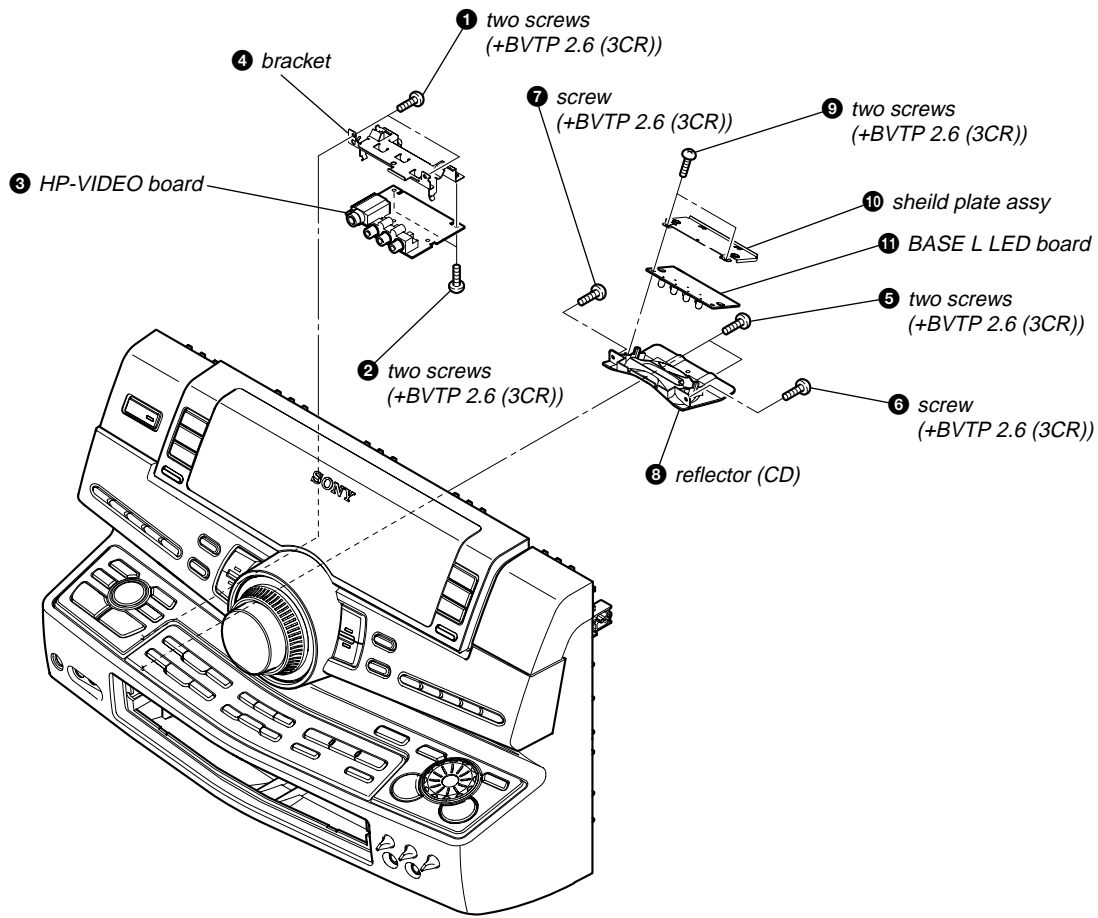
3-11. ILLUMINATION BOARD, VOL BOARD



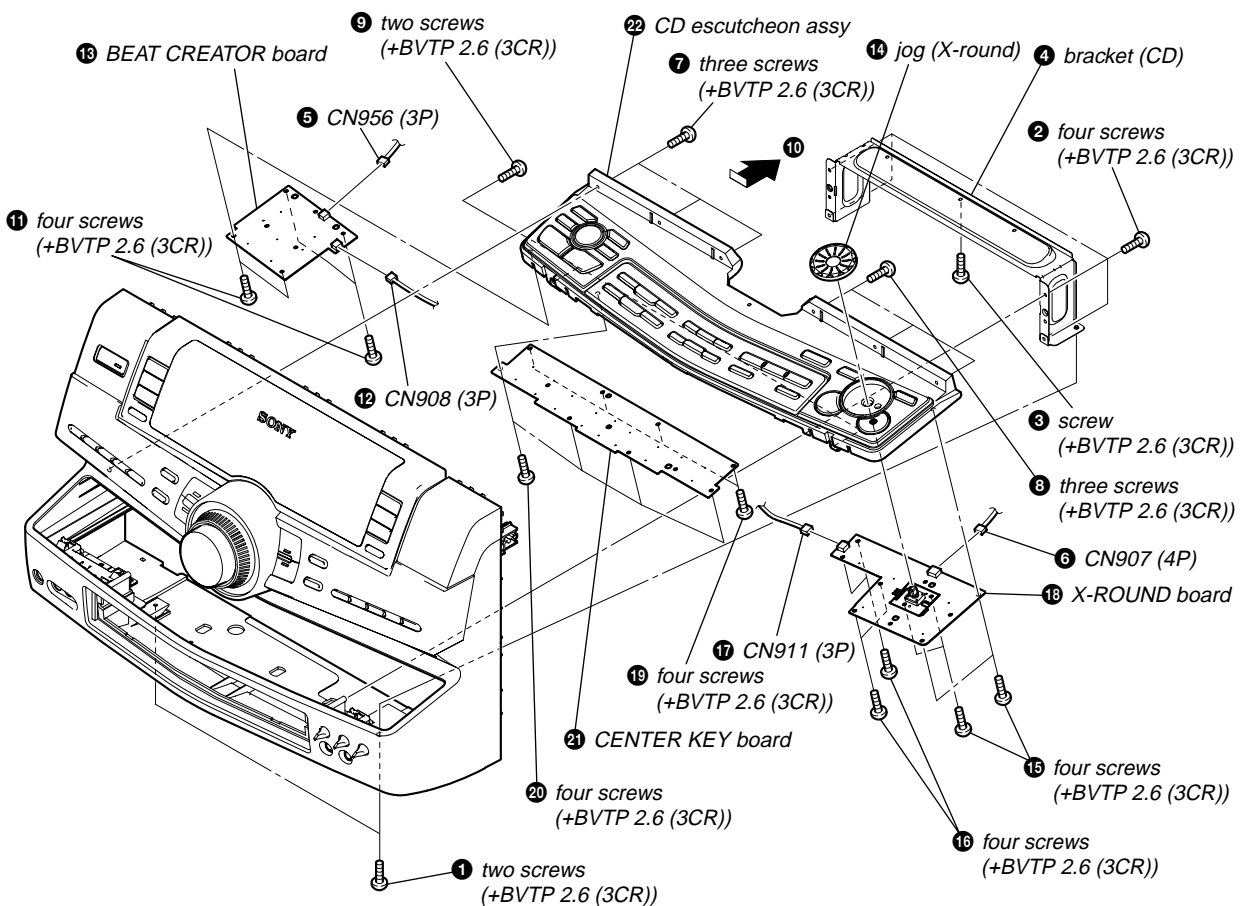
3-12. MIC BOARD, VR BOARD, BASE R LED BOARD



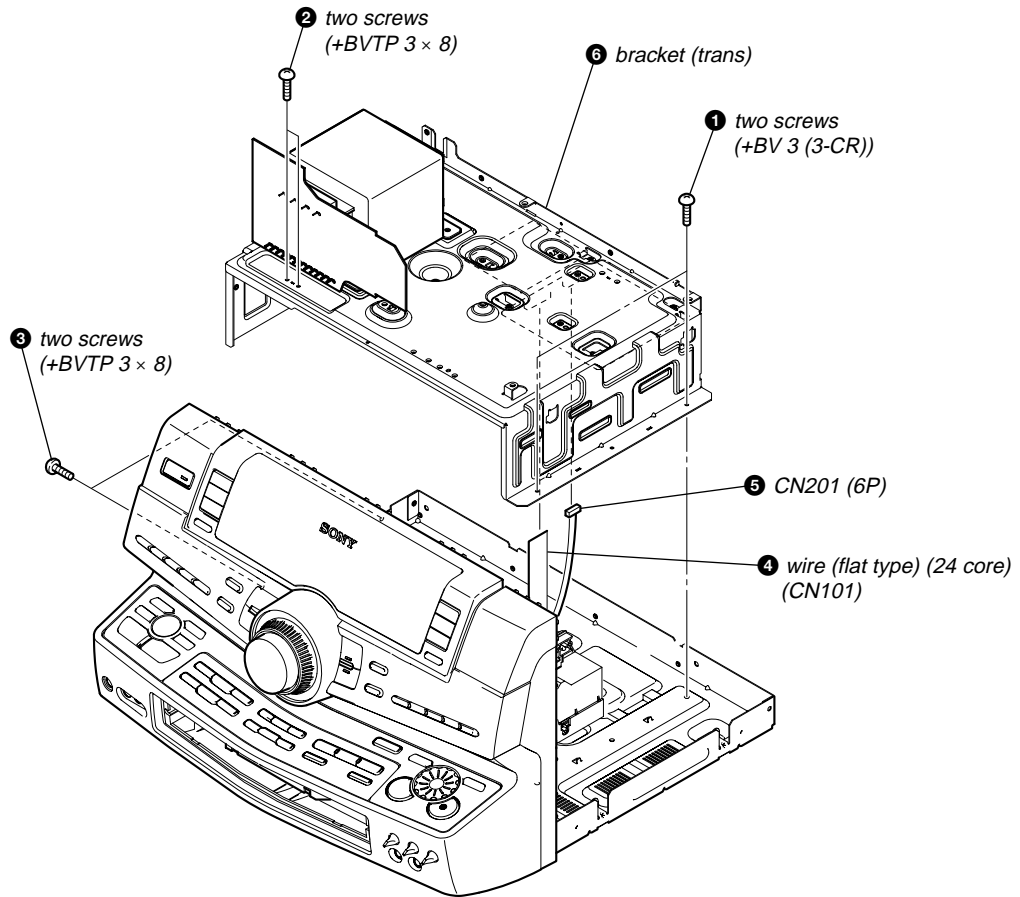
3-13. HP-VIDEO BOARD, BASE L LED BOARD



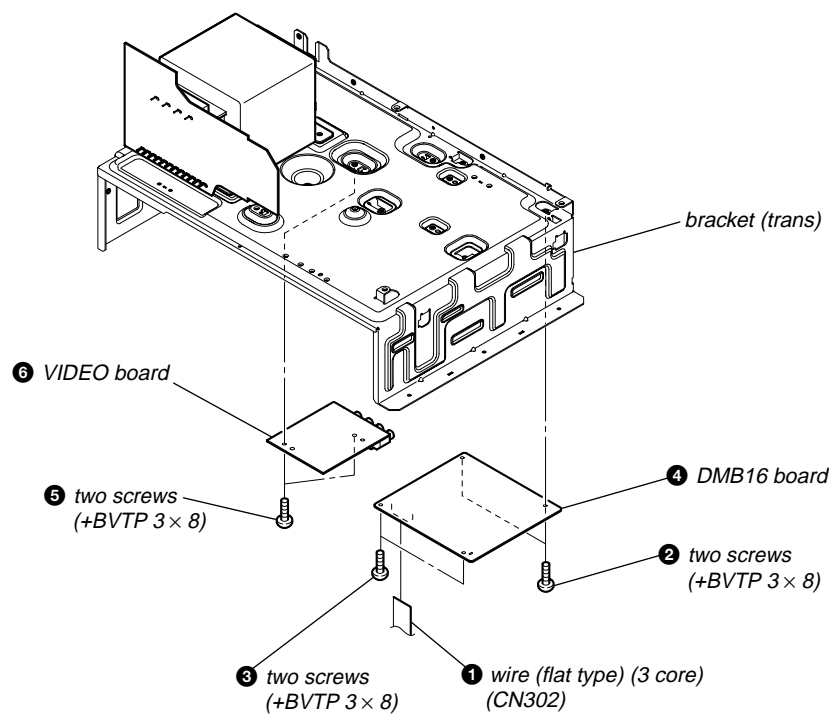
3-14. CENTER KEY BOARD, BEAT CREATOR BOARD, X-ROUND BOARD



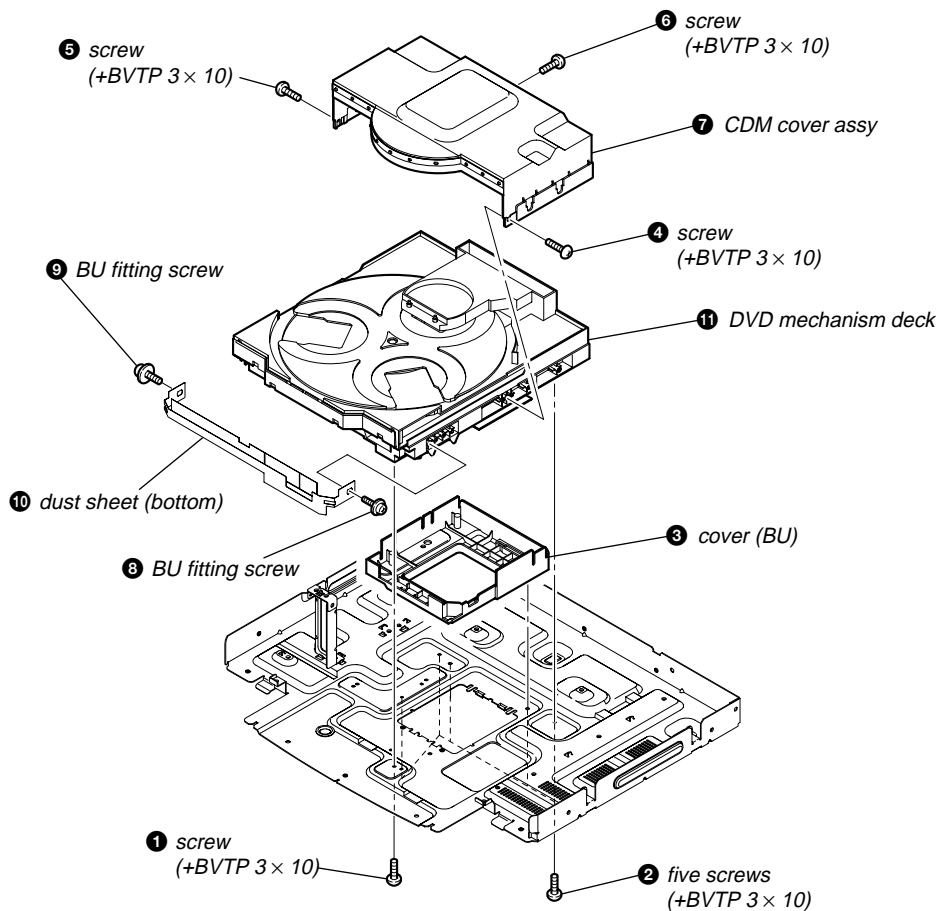
3-15. BRACKET (TRANS)



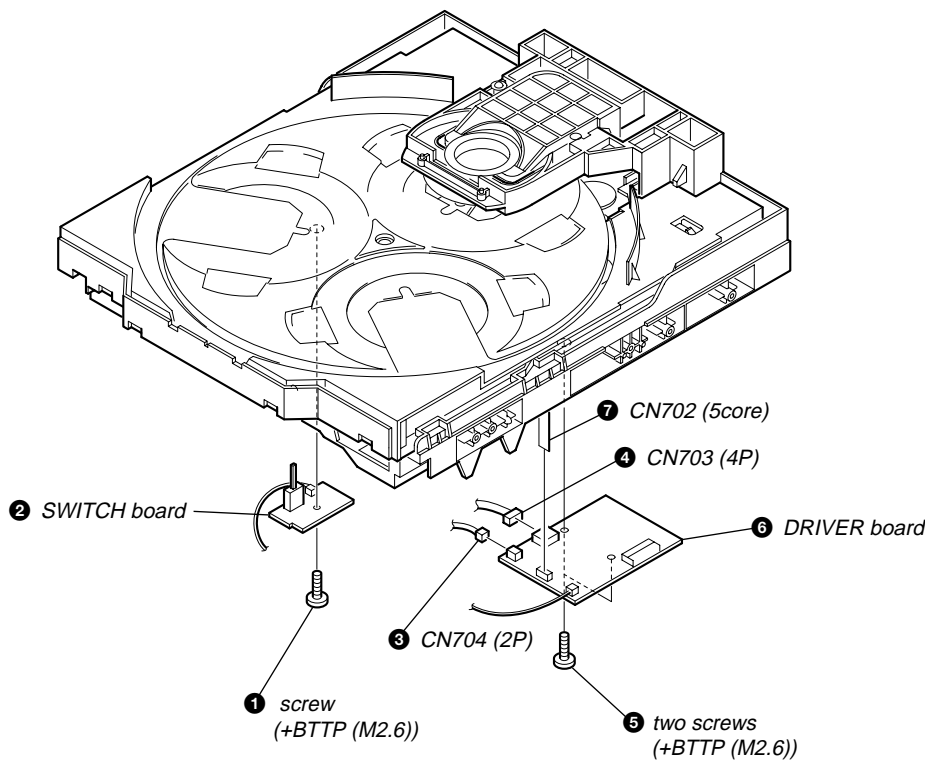
3-16. DMB16 BOARD, VIDEO BOARD



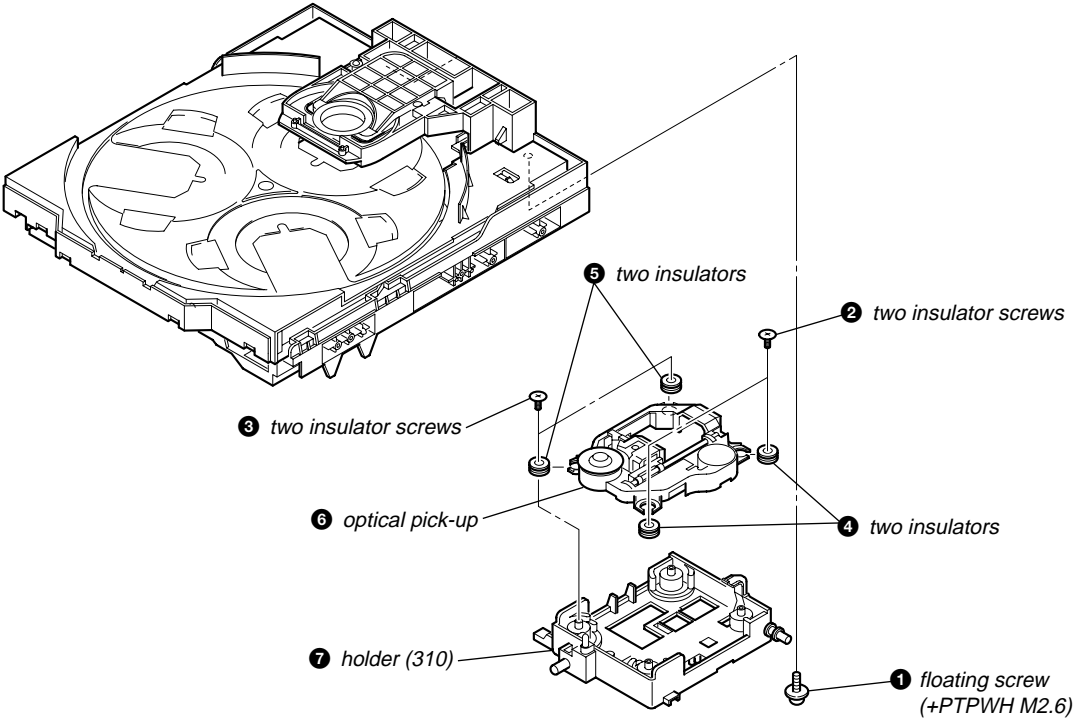
3-17. DVD MECHANISM DECK



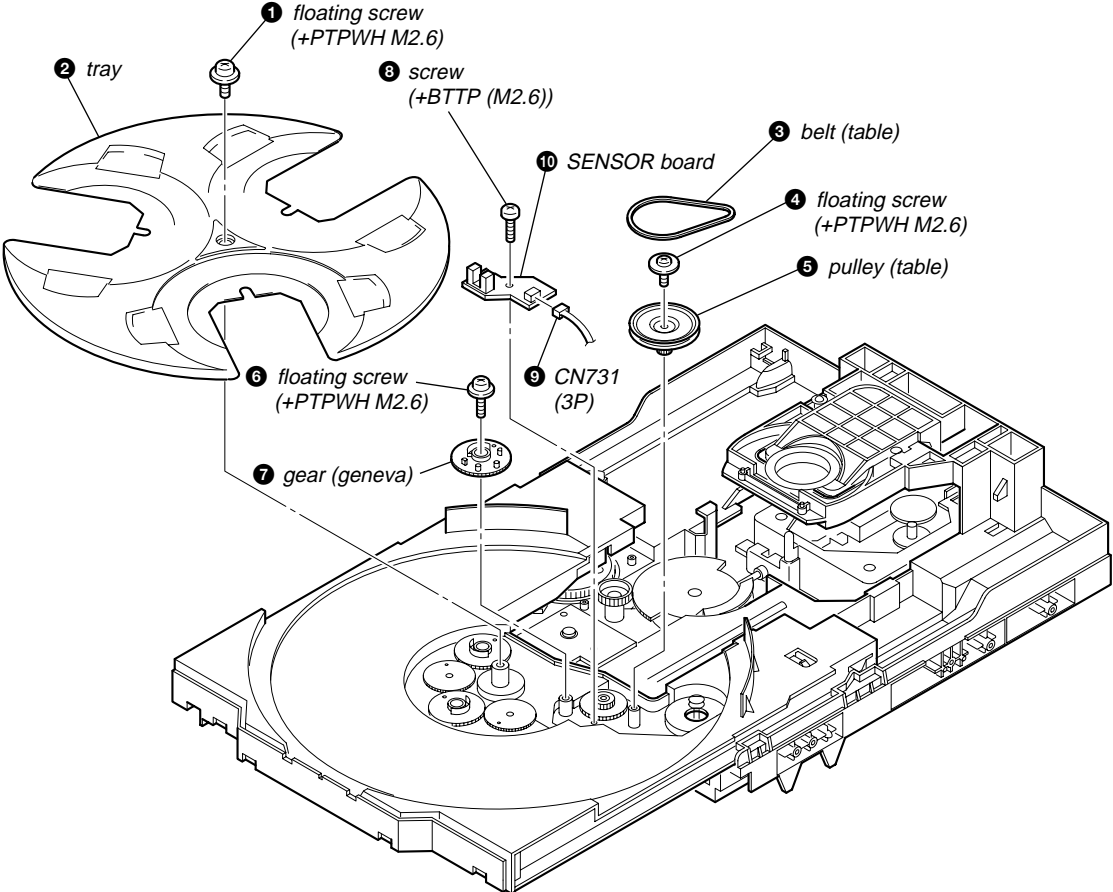
3-18. DRIVER BOARD, SW BOARD



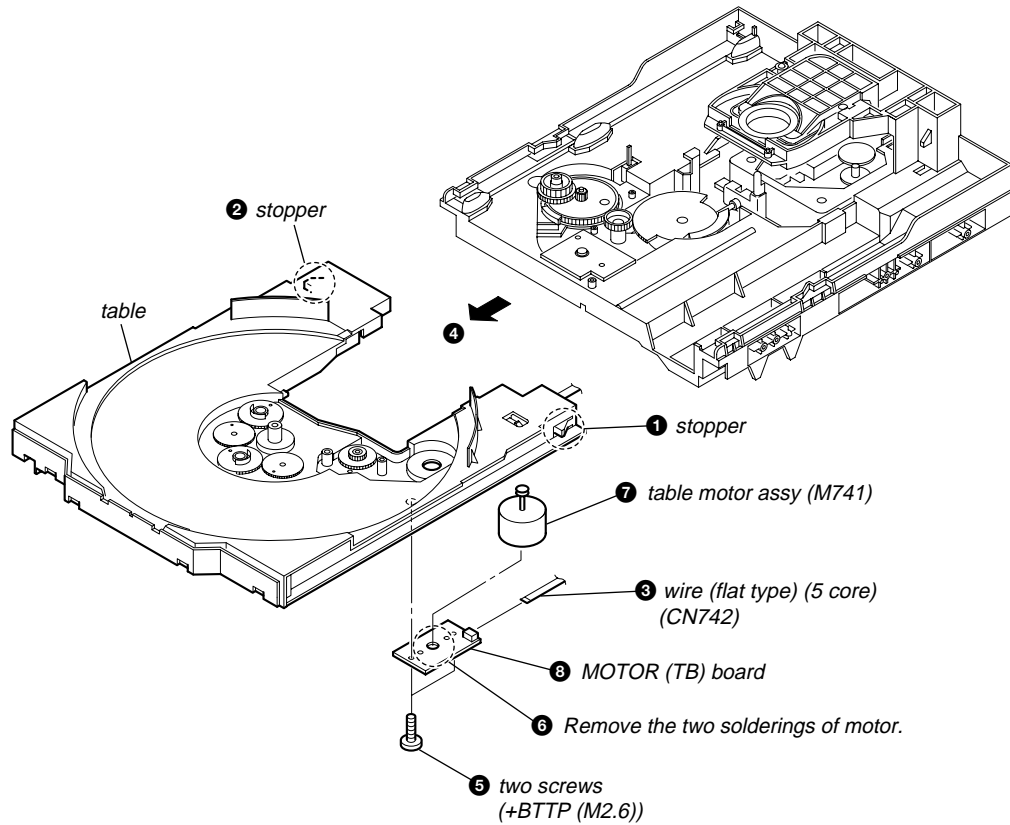
3-19. OPTICAL PICK-UP



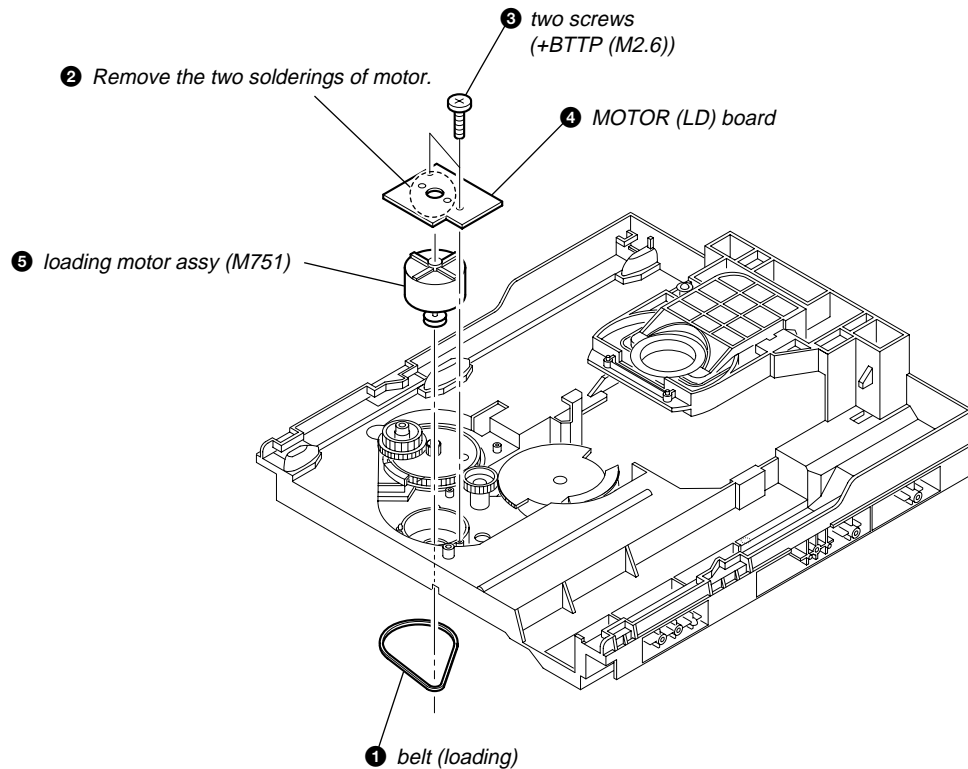
3-20. SENSOR BOARD



3-21. MOTOR (TB) BOARD



3-22. MOTOR (LD) BOARD



SECTION 4 TEST MODE

[PANEL TEST MODE]

- This mode is used to check the fluorescent indicator tube, LEDs, keys, [MASTER VOLUME] jog, [OPERATION DIAL] jog, [X-ROUND] jog, model, destination and software version.

Procedure:

- Press $\left[\frac{I}{\text{ON}} \right]$ button to turn on the system.
- Press $\left[\blacksquare \right]$ button, $\left[\text{ENTER} \right]$ button and $\left[\text{DISC 2} \right]$ button simultaneously.
- All LEDs and segments in fluorescent indicator tube are lighted up. All LEDs are lighted up. The POWER LED is lighted up in red color.
- When you want to enter to the software version display mode, press $\left[\text{DISC 1} \right]$ button. The model and destination are displayed.
- During model and destination information display, press $\left[\text{DISC 1} \right]$ button. Each time $\left[\text{DISC 1} \right]$ button is pressed, the fluorescent indicator tube shows the version and the software creation date of each category software in the following sequence: MC version, GC version, SYS version, DVD version, ST version, TC version, TA version, TM version and return back to model and destination information display.
- Press $\left[\text{DISC 2} \right]$ button, the key check mode is activated.
- In the key check mode, the fluorescent indicator tube displays "K 0 J0 V0 X0".

Each time a button is pressed, "K" value increases. However, once a button has been pressed, it is no longer taken into account.

"V" value increases in the manner of 0, 1, 2, 3 ... if $\left[\text{MASTER VOLUME} \right]$ knob is turned clockwise, or it decreases in the manner of 0, 9, 8,7 ... if $\left[\text{MASTER VOLUME} \right]$ knob is turned counterclockwise.

"J" value increases in the manner of 0, 1, 2, 3 ... if $\left[\text{OPERATION DIAL} \right]$ knob is turned clockwise, or it decreases in the manner of 0, 9, 8,7 ... if $\left[\text{OPERATION DIAL} \right]$ knob is turned counterclockwise.

"X" value increases in the manner of 0, 1, 2, 3 ... if $\left[\text{X-ROUND} \right]$ knob is turned clockwise, or it decreases in the manner of 0, 9, 8,7 ... if $\left[\text{X-ROUND} \right]$ knob is turned counterclockwise.

- When $\left[\text{DISC SKIP/EX-CHANGE} \right]$ button is pressed after all LEDs and segments in fluorescent indicator tube light up, alternate segments in fluorescent indicator tube and LEDs would light up. If you press $\left[\text{DISC SKIP/EX-CHANGE} \right]$ button again, another half of alternate segments in fluorescent indicator tube and LEDs would light up. Pressing $\left[\text{DISC SKIP/EX-CHANGE} \right]$ button again would cause all segments in fluorescent indicator tube and LEDs light up.
- To release from this mode, press three buttons in the same manner as step 2, or disconnect the power cord.

[COMMON TEST MODE]

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

Procedure:

• To enter Common Test Mode

- Press $\left[\blacksquare \right]$ button, $\left[\text{ENTER} \right]$ button and $\left[\text{DISC 3} \right]$ button simultaneously.
- The DVD disc number indicators and TAPE A and B indicators flash on the fluorescent indicator tube. The function is changed to TV and the volume is changed to VOLUME MIN.

• Check of Amplifier

- Press $\left[\text{EQ BAND/MEMORY} \right]$ button repeatedly until a message "GEQ MAX" appears on the fluorescent indicator tube. The GEQ increases to its maximum.
- Press $\left[\text{EQ BAND/MEMORY} \right]$ button repeatedly until a message "GEQ MIN" appears on the fluorescent indicator tube. GEQ decreases to its minimum.
- Press $\left[\text{EQ BAND/MEMORY} \right]$ button repeatedly until a message "GEQ FLAT" appears on the fluorescent indicator tube. GEQ is set to flat.
- When the $\left[\text{MASTER VOLUME} \right]$ knob is turned clockwise even slightly, the sound volume increases to its maximum and a message "VOLUME MAX" appears on the fluorescent indicator tube.
- When the $\left[\text{MASTER VOLUME} \right]$ knob is turned counterclockwise even slightly, the sound volume decreases to its minimum and a message "VOLUME MIN" appears on the fluorescent indicator tube.

• Tape function

- When a tape is inserted in Deck B and recording is started, the function is changed to TV automatically.
- During recording, press $\left[\blacktriangleleft \blacktriangleleft / \text{TUNING -} \right]$ will stop the recording and the function is changed to TAPE B and rewind the tape in Deck B until the recording start position and playback of the tape in Deck B is started. If the $\left[\text{REC PAUSE/START} \right]$ button is pressed for a pause and pressed again to resume recording during recording time, when the tape is rewind, the tape will be rewind until the position where the pause is applied.

• To release from Common Test mode

- To release from this mode, press $\left[\frac{I}{\text{ON}} \right]$ button.
- The cold reset is enforced at the same time.

[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 $\left[\frac{I}{\text{ON}} \right]$ button to turn on the system.
- Press $\left[\blacksquare \right]$ button, $\left[\text{ENTER} \right]$ button, and $\left[\frac{I}{\text{ON}} \right]$ button simultaneously.
- "COLD RESET" appears on the fluorescent indicator tube. After that, the fluorescent indicator tube becomes blank for a while, and the system is reset.

[VACS ON/OFF]

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

Procedure:

- Press $\left[\frac{I}{\text{ON}} \right]$ button to turn on the system.
- Press $\left[\blacksquare \right]$ button and $\left[\text{BEAM MODE} \right]$ button simultaneously. The message "VACS OFF" or "VACS ON" appears on the fluorescent indicator tube.

[TUNER STEP CHANGE]

- The step interval of AM channels can be toggled between 9 kHz and 10 kHz. This mode is not available for Saudi Arabian and Russian models.

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Press **[TUNER/BAND]** button repeatedly to select the “AM”.
3. Press **[I/⏻]** button to turn off the system.
4. Press **[ENTER]** button and **[I/⏻]** button simultaneously. The system turns on automatically. The message “AM 9K STEP” or “AM 10K STEP” appears on the fluorescent indicator tube and thus the channel step is changed.

[DVD TRAY LOCK MODE]

- This mode let you lock the disc tray. When this mode is activated, the disc tray will not open when **[▲ OPEN/CLOSE]** button or **[DISC SKIP/EX-CHANGE]** button is pressed. The message “LOCKED” will be displayed on the fluorescent indicator tube.

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Select DVD function.
3. Press **[■]** button and **[▲ OPEN/CLOSE]** button simultaneously and hold down until “LOCKED” or “UNLOCKED” displayed on the fluorescent indicator tube (around 5 seconds).

[DVD SHIP MODE (WITH MEMORY CLEAR)]

- This mode moves the optical pick-up to the position durable to vibration and clears all data including preset data stored in the RAM to initial conditions during the next AC-In. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Select DVD function.
3. Press **[■]** button, **[DISC 1]** button and **[I/⏻]** button simultaneously during “DVD NO DISC” condition. The system turns off automatically.
4. After the “STANDBY” blinking display finishes, a message “MECHA LOCK” is displayed on the fluorescent indicator tube and the DVD ship mode is set.

[DVD SHIP MODE (WITHOUT MEMORY CLEAR)]

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

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Select DVD function.
3. Press **[DVD]** button and **[I/⏻]** button simultaneously during “DVD NO DISC” condition. The system turns off automatically.
4. After the “STANDBY” blinking display finishes, a message “MECHA LOCK” is displayed on the fluorescent indicator tube and the DVD ship mode is set.

[DVD COLOR SYSTEM]

- This mode let you change the color system of the video output from PAL to NTSC or vice-versa. This mode is not available for Latin American and Russian models.

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Select DVD function.
3. Press **[I/⏻]** button again to turn off the system.
4. Press **[■]** button and **[I/⏻]** button simultaneously. The system will turn on automatically. The message “COLOR PAL” or “COLOR NTSC” appears on the fluorescent indicator tube.

[TCM OFFLINE MODE]

- This mode prevents the system from turning off automatically when TCM is not connected. Therefore, measurements can be done even when TCM is not connected during production.

Procedure:

1. When the system in turned off, press **[EQ BAND/MEMORY]** button, **[DIRECTION]** button and **[I/⏻]** button simultaneously. The system turns on automatically.
2. The message “TCM OFFLINE” will be displayed on the fluorescent indicator tube.

[REMOTE DISABLE MODE]

- This mode let you disable the remote commander reception. When this mode is activated, the system will not response if the button on the remote commander is pressed. The message “Remote Disable” appears on the fluorescent indicator tube. This mode is essential for conducting test and repairing when no interruption from the other remote commander is expected. This mode is cancelled automatically when the system is turned off.

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Press **[■]** button, **[FLANGER]** button and **[DISC 2]** button simultaneously until “Remote Disable” or “Remote Enable” appears on the fluorescent indicator tube.

[FACTORY PRESET]

- This mode is used to load all the factory use preset frequencies into FM 1-FM 20 and AM 1-AM 10. Originally, frequency of FM 1-FM 20 and AM 1-AM10 are set to the minimum.

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Press **[I/⏻]** button, **[TUNER/BAND]** button and **[▲ OPEN/CLOSE]** button simultaneously. The message “Factory” appears on the fluorescent indicator tube. The function is changed to TUNER automatically.

- To release from Factory Preset Mode

To release from this mode, perform “COLD RESET”.

[VACS DISPLAY]

- This mode is used to check the VACS level.

Procedure:

1. Press **[I/⏻]** button to turn on the system.
2. Press **[■]** button, **[DVD]** button and **[DISC SKIP/EX-CHANGE]** button simultaneously.




- The fluorescent indicator tube displays "VATB F APC".
"V" represents Conventional VACS (Triggered by signal level).
"T" represents Thermal VACS NEO (Triggered by temperature).
"AP" represents APVACS (Abuse Protection VACS).
"A" is the Conventional VACS level.
"B" is the Thermal VACS NEO level.
"C" is the APVACS level.
"F" is shown if the fan is triggered by software to turn in high speed.

- To release from VACS display mode.
To release from this mode, do the step (2) again.

[TV/SAT SWITCHING]

- This mode let you switch from TV to SAT and vice-versa.





Procedure:


- Press  button to turn on the system.
- Select TV function.
- Press  button and  button simultaneously. The function will change to SAT. Press the same buttons again to change from SAT to TV.

[DVD FIRMWARE DISPLAY]

- This mode is used to display the DVD firmware version.

Procedure:




- Press  button to turn on the system.
- Select DVD function.
- Press  button again to turn off the system.
- Press  button and  button. The system turns on automatically.
- The version of DVD firmware appears on the on-screen display on TV.

- To release from DVD Firmware Display Mode
To release from this mode, press  button to turn off the system.

[DVD OFFLINE]

- When the DVD motherboard is not connected to the main unit, the system would go into protector mode (caused by DVD Power Monitor) automatically. DVD Offline mode is used to prevent protector when the DVD motherboard is not connected. Besides that, this mode is used to enable audio output from the function other than DVD function in order to check the audio output from the system when the DVD motherboard is not connected.

Procedure:

- After turn on the power supply (the system is turned off), press  button,  button and  button simultaneously. The system will turn on automatically.
- The message "DVD OFFLINE" will appears on the fluorescent indicator tube.

- To release from DVD Offline Mode
To release from this mode, perform "COLD RESET" or turn off the power supply.

[DVD SERVICE MODE]





- This mode let you make diagnosis and adjustment easily by using the remote commander and the TV. The instructions, diagnostic results, etc. are given on the on-screen display.

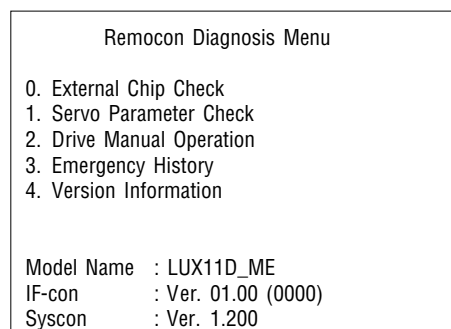
• TEST DISC LIST


Be sure to use the DVD disc that matches the signal standards of your region.

- CD
 - YEDS-18 (Part No.: 3-702-101-01)
 - PATD-012 (Part No.: 4-225-203-01)
- DVD SL (Single Layer)
 - NTSC : HLX-503 (Part No.: J-6090-069-A)
 - HLX-504 (Part No.: J-6090-088-A)
 - PAL : HLX-506 (Part No.: J-6090-077-A)
- DVD DL (Dual Layer)
 - NTSC : HLX-501 (Part No.: J-6090-071-A)
 - HLX-505 (Part No.: J-6090-089-A)
 - PAL : HLX-507 (Part No.: J-6090-078-A)

• Procedure to enter to DVD Service Mode:


- Press  button to turn on the system.
- Select DVD function.
- Press  button and  button simultaneously and then turn the  knob clockwise.
- The message "SERVICE IN" appears on the fluorescent indicator tube and the Top Menu of Remocon Diagnosis Menu appears on the on-screen display on the TV. The model name, main unit's micom version information (IF-con) and DVD firmware version information (Syscon) are displayed at the bottom of the on-screen display.

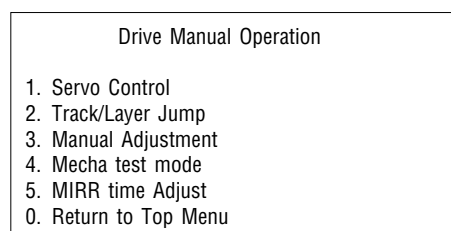


- To execute each function, press its number by using numeric button on the remote commander.
- To release from this mode, press  button to turn off the system.

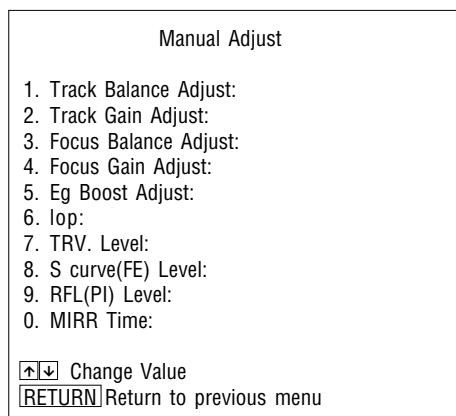
• Execute IOP Measurement

In order to execute IOP measurement, the following standard procedures must be followed.

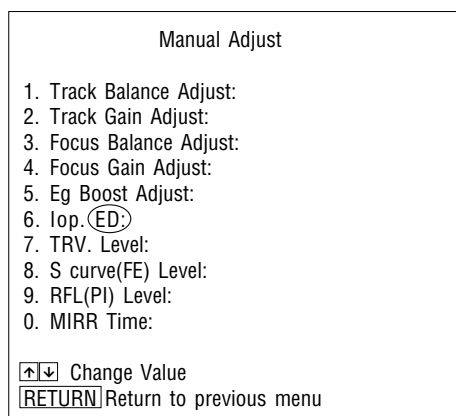
- From the Top Menu of Remocon Diagnosis Menu, select "2. Drive Manual Operation" by pressing the  button on the remote commander. The following screen appears on the on-screen display.



- Select "3. Manual Adjustment" by pressing the [3] button on the remote commander. The following screen appears on the on-screen display.



- Select "6. Iop:" by pressing [6] button on the remote commander.
- Wait until a hexadecimal number appears in the on-screen display as below:

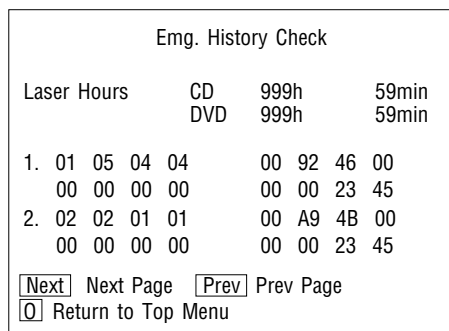


- Convert data from hexadecimal to decimal by using conversion table.
- Please find the label on the rear of the BU (Base Unit). The default IOP value is written in the label.
- Subtract between these two values.
- If the remainder is smaller than 93 (decimal), then it is OK. However if the value is higher than 93, then the BU is defective and need to be change.
- Press [RETURN] button on the remote commander to return to previous menu.
- Press [0] button on the remote commander to return to the Top Menu of Remocon Diagnosis Menu.
- Press [I/Power] button to turn off the system.

• Check Emergency History

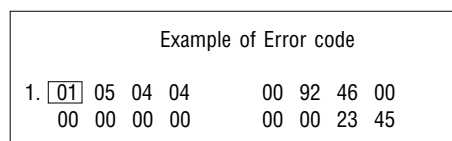
To check the emergency history, please follow the following procedure.

- From the Top Menu of Remocon Diagnosis Menu, select "3. Emergency History" by pressing the [3] button on the remote commander. The following screen appears on the on-screen display.



- You can check the total time when the laser is turned on during playback of DVD and CD from the above menu. The maximum time, which can be displayed are 999h 59min.
- You can check the error code of latest 10 emergency history from the above menu. To view the previous or next page of emergency history, press [Left Arrow] or [Right Arrow] on the remote commander. The error code consists of

• Error Code



The meaning of error code is as below:

- 01: Communication error (No reply from syscon)
- 02: Syscon hung up
- 03: Power OFF request when syscon hung up
- 19: Thermal shutdown
- 24: MoveSledHome error
- 25: Mechanical move error (5 Changer)
- 26: Mechanical move stack error
- 30: DC motor adjustment error
- 31: DPD offset adjustment error
- 32: TE balance adjustment error
- 33: TE sensor adjustment error
- 34: TE loop gain adjustment error
- 35: FE loop gain adjustment error
- 36: Bad jitter after adjustment
- 40: Focus NG
- 42: Focus layer jump NG
- 52: Open kick spindle error
- 51: Spindle stop error
- 60: Focus on error
- 61: Seek fail error
- 62: Read Q data/ID error
- 70: Lead in data read fail
- 71: TOC read time out (CD)
- 80: Can't buffering
- 81: Unknown media type

• Parameter of error code

This is the detail of error code.

Example of Error code										
1.	01	05	04	04	00	92	46	00		
	00	00	00	00	00	00		23	45	

• Time of error code

This is the laser time when an error occurred.

Example of Error code										
1.	01	05	04	04	00	92	46	00		
	00	00	00	00	00	00		23	45	

To clear the Laser Hours

Press [DISPLAY] button and then press [CLEAR] button. The data for both CD and DVD data are reset.

Emg. History Check									
Laser Hours	CD	0h	0min		DVD	0h	0min		
1.	01	05	04	04	00	92	46	00	
	00	00	00	00	00	00		23	45
2.	02	02	01	01	00	A9	4B	00	
	00	00	00	00	00	00		23	45

[Next] Next Page [Prev] Prev Page
[0] Return to Top Menu

To clear the Emergency History

Press [DVD TOP MENU] button and then press [CLEAR] button. The error code for all emergency history would be reset.

Emg. History Check									
Laser Hours	CD	999h	59min		DVD	999h	59min		
1.	00	00	00	00	00	00	00	00	
	00	00	00	00	00	00		00	00
2.	00	00	00	00	00	00	00	00	
	00	00	00	00	00	00		00	00

[Next] Next Page [Prev] Prev Page
[0] Return to Top Menu

To clear the Initialize Setup Data

Press [DVD/TUNER MENU] button and then press [CLEAR] button on the remote commander.

Emg. History Check									
Laser Hours	CD	999h	59min		DVD	999h	59min		
Initialize setup data...									

[Next] Next Page [Prev] Prev Page
[0] Return to Top Menu

To return to the Top Menu of Remocon Diagnosis Menu

Press [0] button on the remote commander.

• Check Version Information

To check the version information, please follow the following procedure.

1. From the Top Menu of Remocon Diagnosis Menu, select "4. Version Information" by pressing the [4] button on the remote commander. The following screen appears on the on-screen display.

Version information
Firm (Main) : Ver. xxxxx
Firm (Sub) : xxxxx
RISC : xxxxx
8032 : xxxxx
Audio DSP : xxxxx
Servo DSP : xxxxx
[0] Return to Top Menu

To return to the Top Menu of Remocon Diagnosis Menu, press [0] on the remote commander.

**SECTION 5
MECHANICAL ADJUSTMENTS**

• **Precaution**

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

record/playback heads	pinch roller
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head magnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

• **Torque Measurement**

Mode	Torque meter	Meter reading
FWD	CQ-102C	2.9 mN • m to 6.9 mN • m 30 to 70 g • cm (0.42 – 0.97 oz • inch)
FWD back tension	CQ-102C	0.15 mN • m to 0.59 mN • m 2 to 6 g • cm (0.03 – 0.08 oz • inch)
REV	CQ-102RC	2.9 mN • m to 6.9 mN • m 30 to 70 g • cm (0.42 – 0.97 oz • inch)
REV back tension	CQ-102RC	0.15 mN • m to 0.59 mN • m 2 to 6 g • cm (0.03 – 0.08 oz • inch)
FF/REW	CQ-201B	4.8 mN • m to 16.7 mN • m 49 to 170 g • cm (0.68 – 2.36 oz • inch)

**SECTION 6
ELECTRICAL ADJUSTMENTS**

DECK SECTION 0 dB = 0.775 V

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

• **Test Tape**

Tape	Signal	Used for
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment

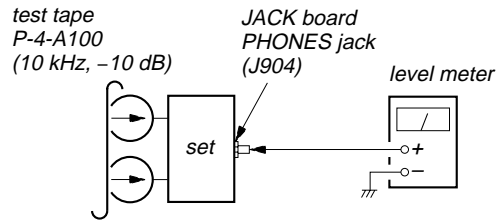
[RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT]

DECK A **DECK B**

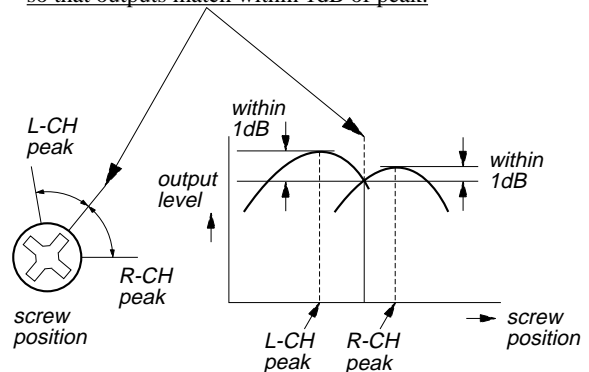
Note: Perform this adjustments for both decks

Procedure:

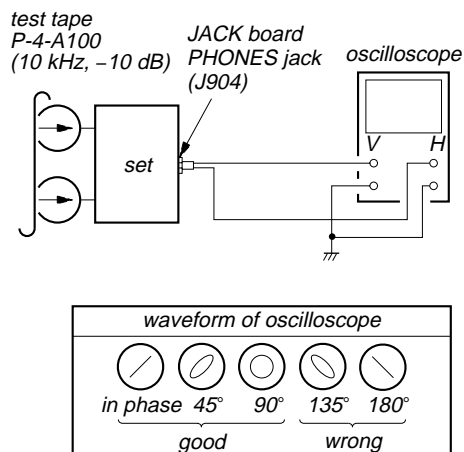
1. Mode: Playback



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

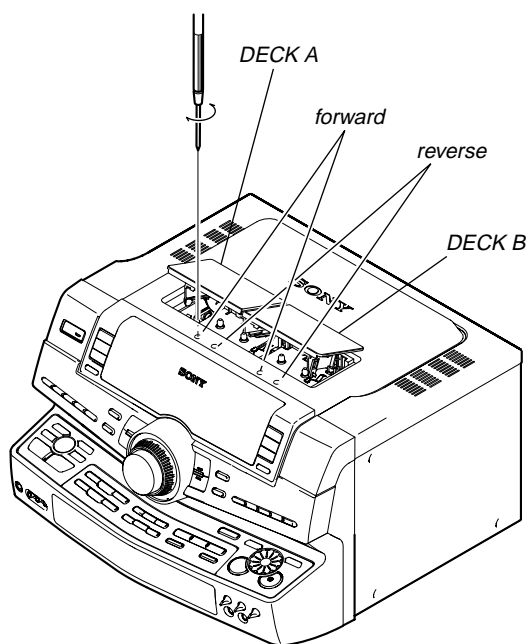


3. Mode: Playback



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

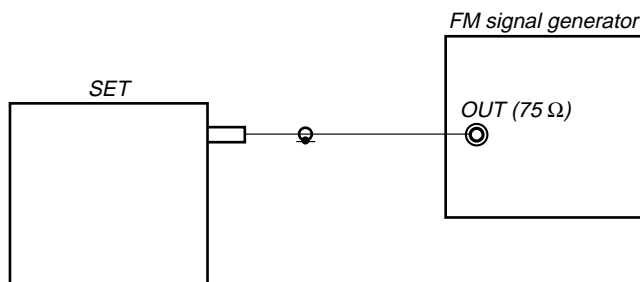
Adjustment Location: Playback Head (Deck A).
Record/Playback/Erase Head (Deck B).



TUNER SECTION

0 dB = 1 μV

[FM TUNE LEVEL CHECK]



Procedure:

1. Turn the power on.
2. Input the following signal from Signal Generator to FM antenna input directly.

* Carrier Freq : A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 35 dBu (EMF)

Note: Please use 75 ohm "coaxial cable" to connect SG and the set. You cannot use video cable for checking. Please use SG whose output impedance is 75 ohm.

3. Set to FM tuner function and tune A, B and C signals.
4. Confirm "TUNED" is lit on the display for A, B and C signals.

The mark of "TUNED" means "The selected station signal is received in good condition."

DVD SECTION

When the optical pick-up assy is replaced, perform the “Execute IOP Measurement”.

Execute IOP Measurement (See page 29)

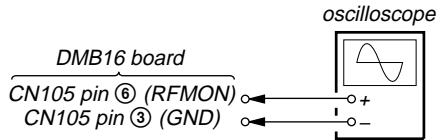
[TEST DISC LIST]

Be sure to use the DVD disc that matches the signal standards of your region.

- CD
 - YEDS-18 (Part No.: 3-702-101-01)
 - PATD-012 (Part No.: 4-225-203-01)
- DVD SL (Single Layer)
 - NTSC : HLX-503 (Part No.: J-6090-069-A)
 - HLX-504 (Part No.: J-6090-088-A)
 - PAL : HLX-506 (Part No.: J-6090-077-A)
- DVD DL (Dual Layer)
 - NTSC : HLX-501 (Part No.: J-6090-071-A)
 - HLX-505 (Part No.: J-6090-089-A)
 - PAL : HLX-507 (Part No.: J-6090-078-A)

[RFMON Level Check]

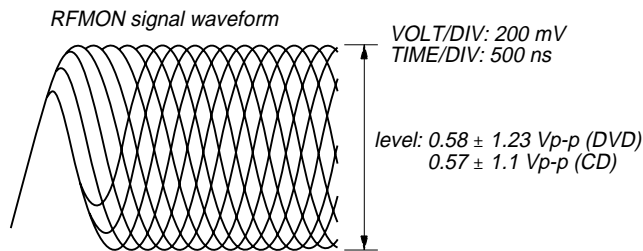
Connection:



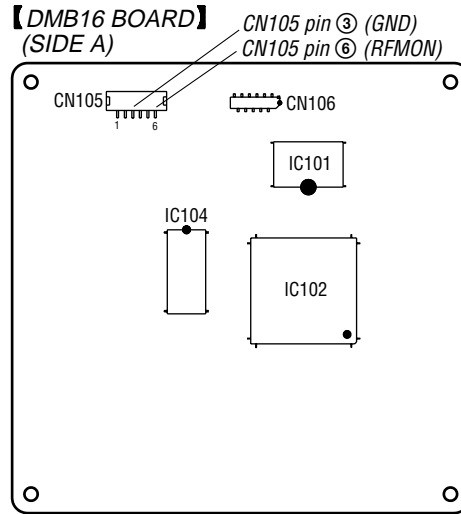
Procedure:

1. Connect an oscilloscope to CN105 pin ⑥ (RFMON) and CN105 pin ③ (GND) on the DMB16 board.
2. Turn the power on.
3. Set the test disc (refer to the TEST DISC LIST) on the tray and press button to playback.
4. Confirm that oscilloscope waveform is clear and check RFMON signal level is correct or not.

Note: A clear RFMON signal waveform means that the shape “∩” can be clearly distinguished at the center of the waveform.



Connecting Location: DMB16 board (Side A)

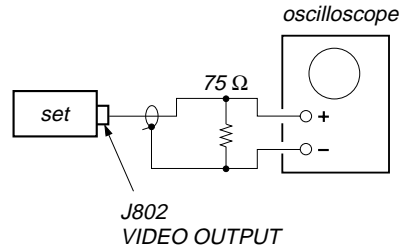


VIDEO SECTION

Video Level Check (VIDEO BOARD)

Purpose

This adjustment is made to satisfy the NTSC standard, and if not adjusted correctly, the brightness will be too large or small.



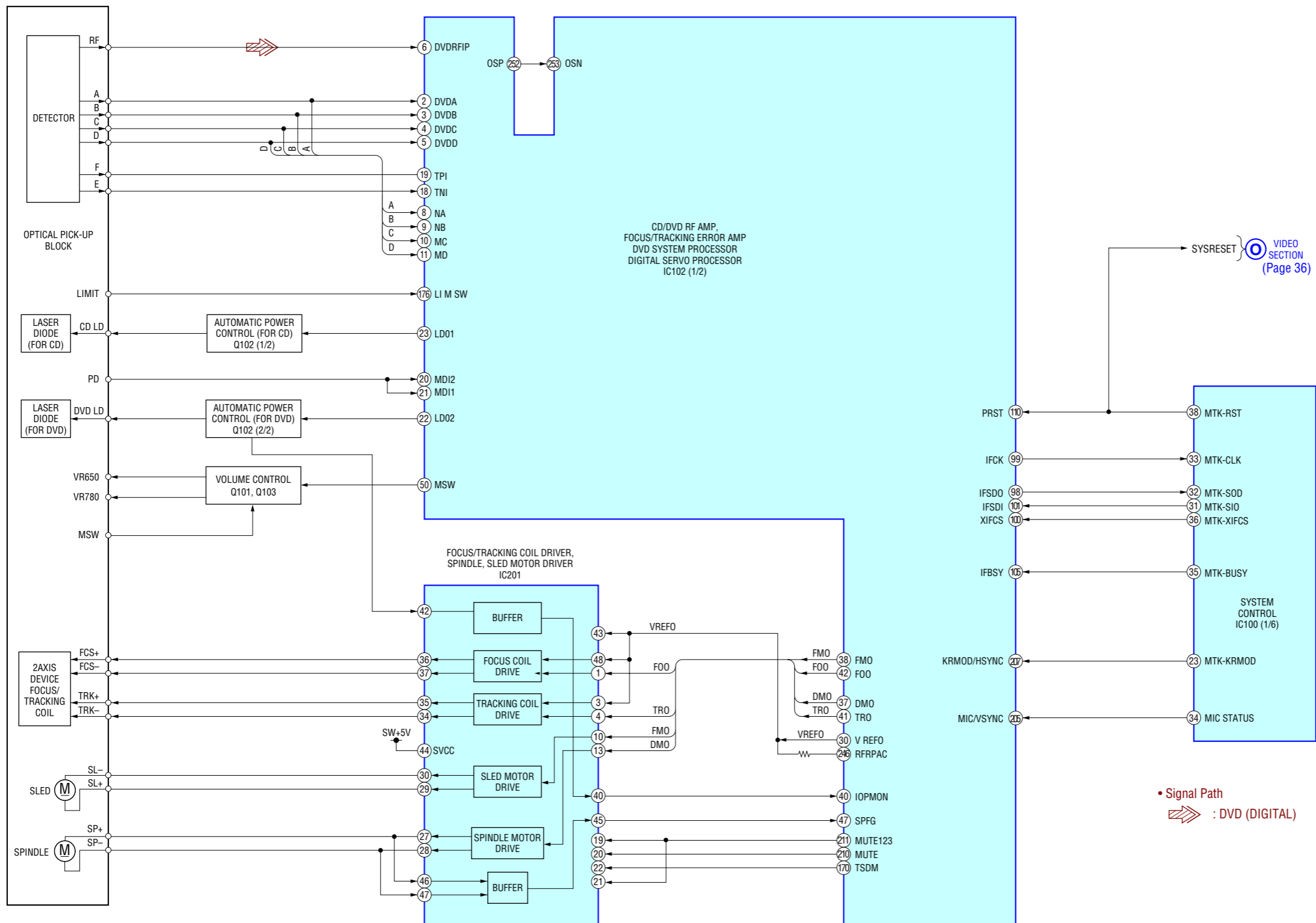
Procedure:

1. Connect oscilloscope to VIDEO output.
2. Load a DVD reference disc playback.
3. Check the video signal level is 1.00 ± 0.07 Vp-p.

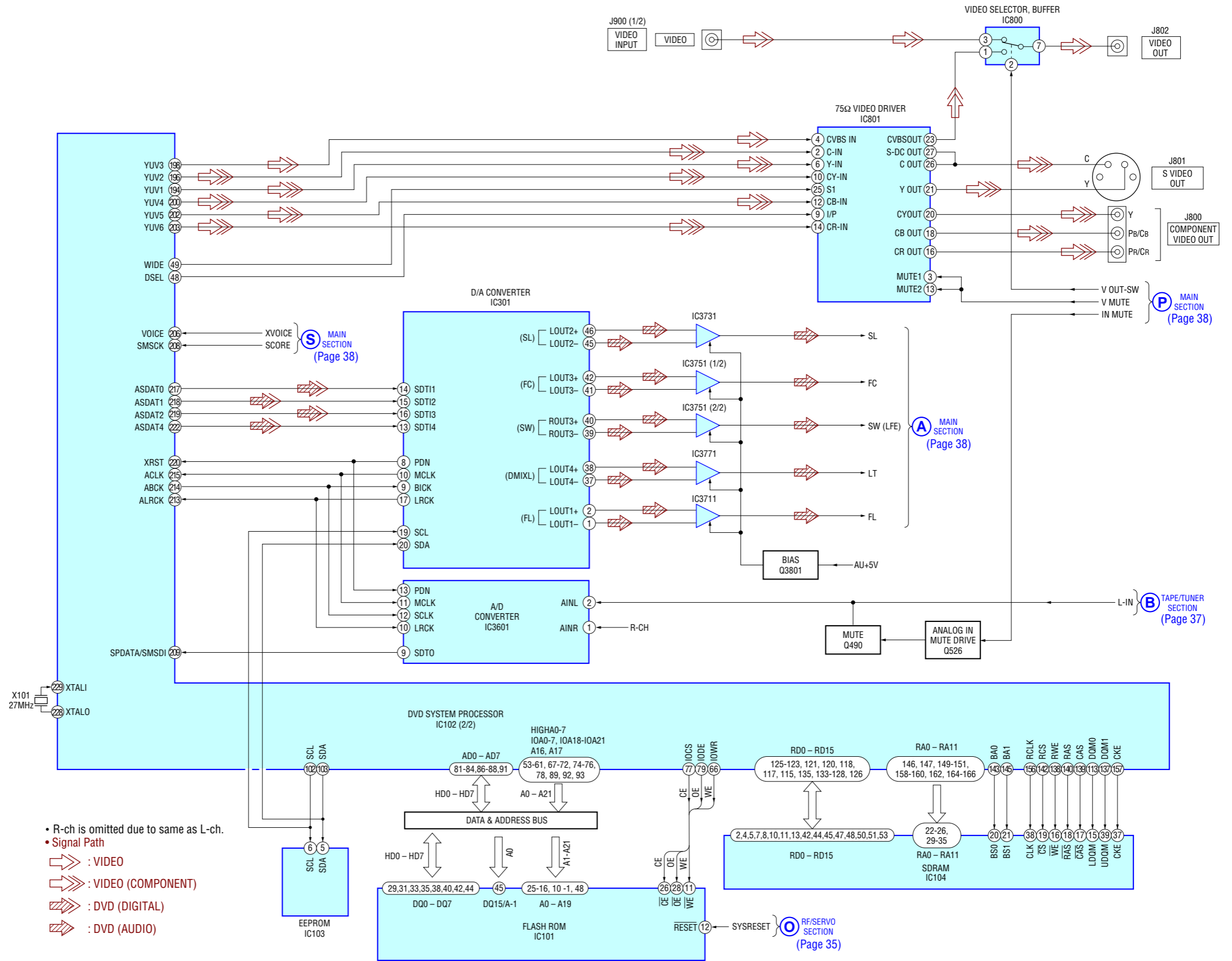


SECTION 7 DIAGRAMS

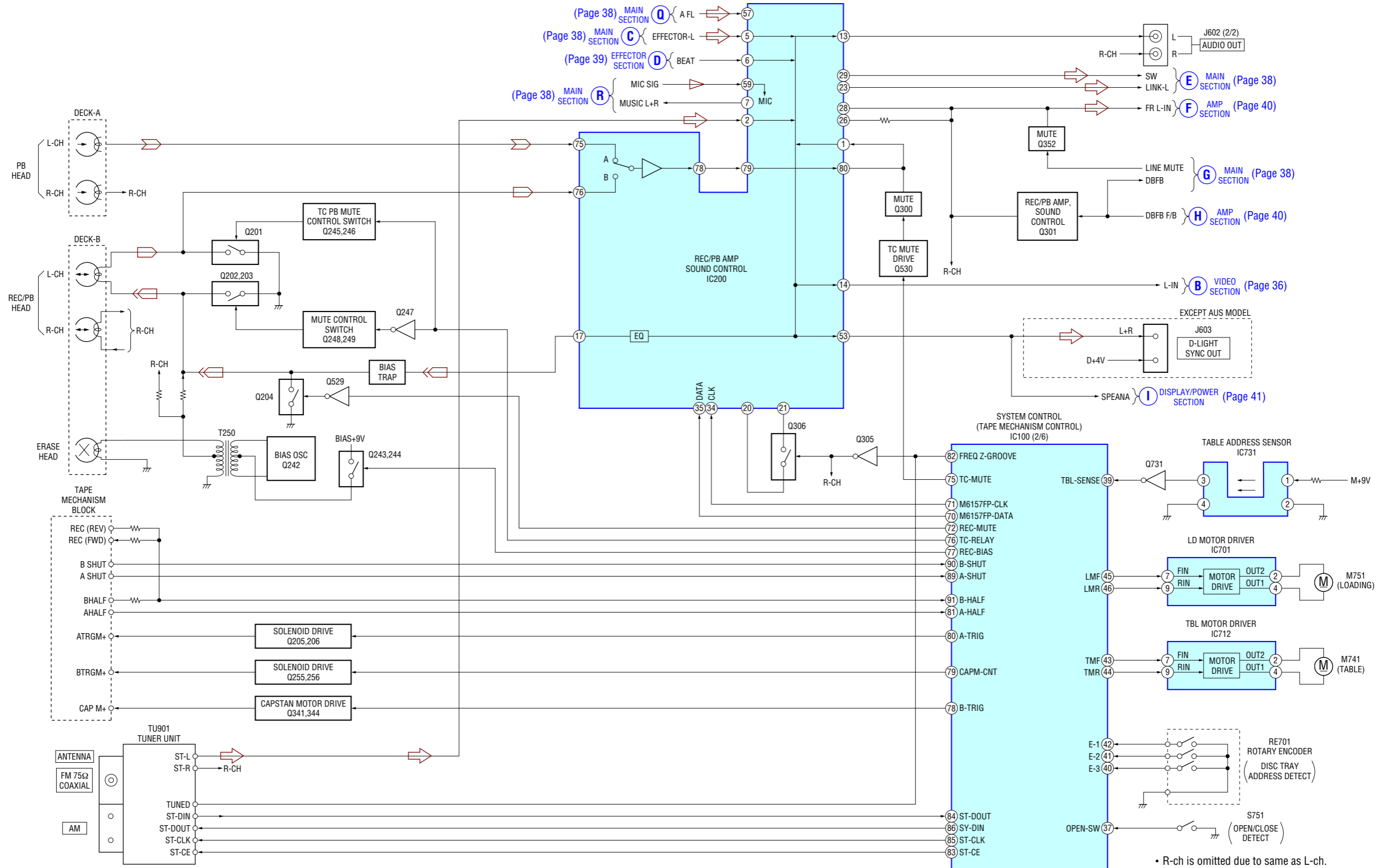
7-1. BLOCK DIAGRAM – RF/SERVO Section –



7-2. BLOCK DIAGRAM – VIDEO Section –

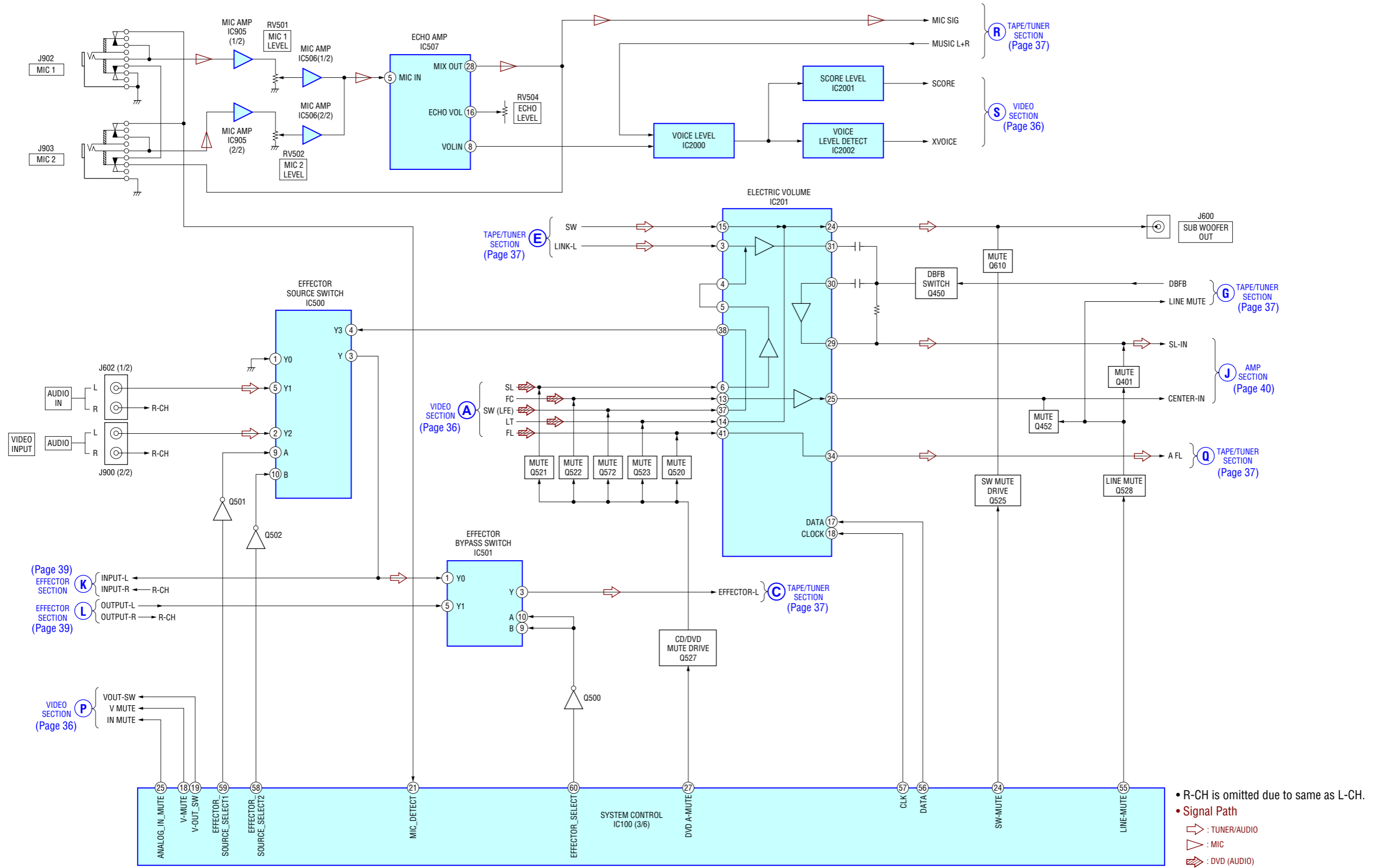


7-3. BLOCK DIAGRAM – TAPE/TUNER Section –

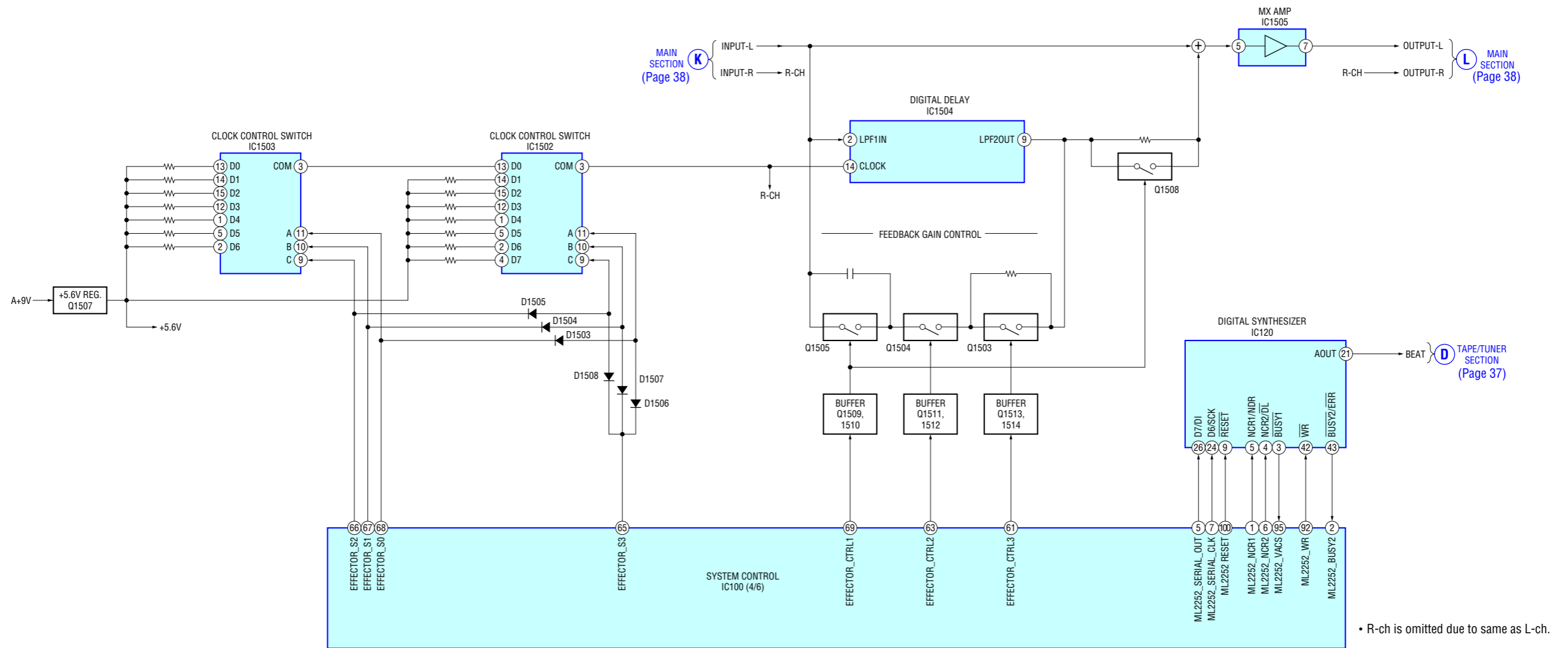


- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
 - ➡ : TUNER/AUDIO
 - ➡ : TAPE PLAY (DECK A)
 - ➡ : TAPE PLAY (DECK B)
 - ➡ : RECORD (DECK B)
 - ➡ : MIC
- Abbreviation
 - AUS : Australian model

7-4. BLOCK DIAGRAM – MAIN Section –

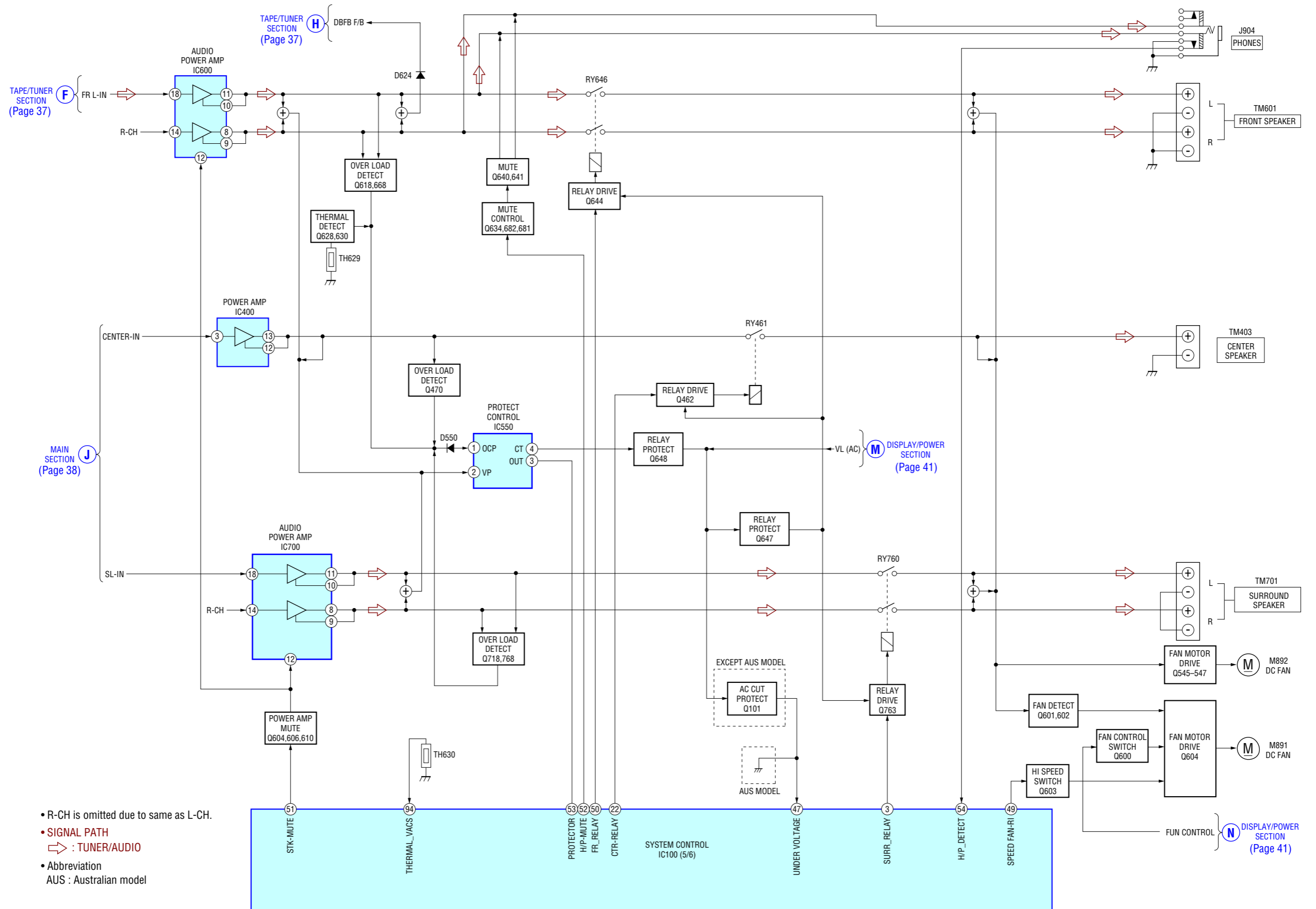


7-5. BLOCK DIAGRAM – EFFECTOR Section –

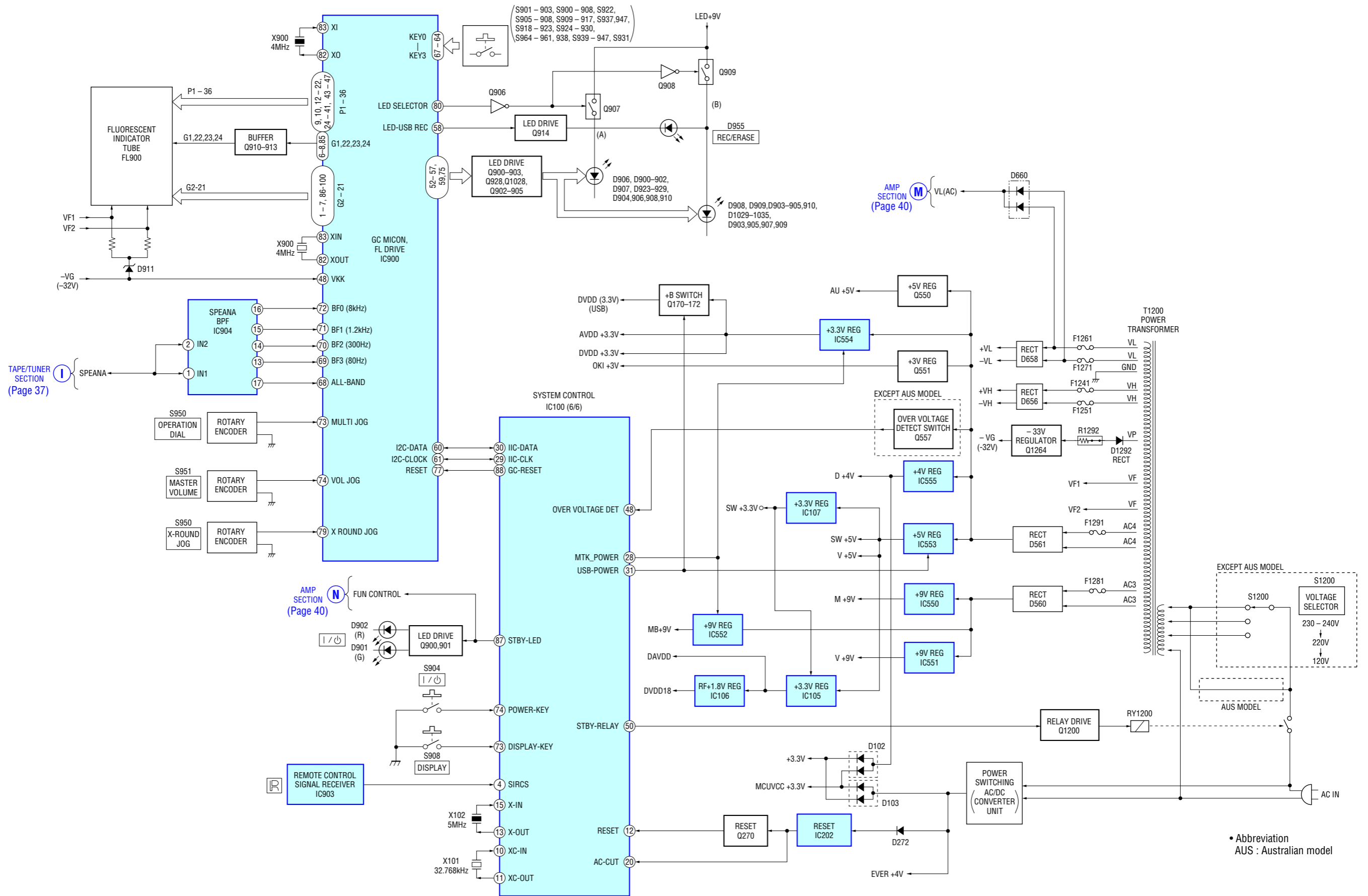


• R-ch is omitted due to same as L-ch.

7-6. BLOCK DIAGRAM – AMP Section –



7-7. BLOCK DIAGRAM – DISPLAY/POWER Section –



• Abbreviation
AUS : Australian model

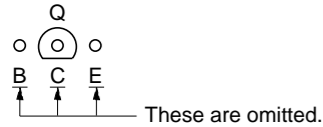
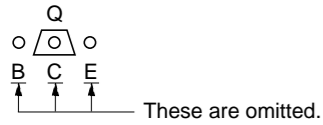
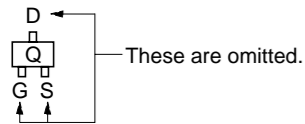
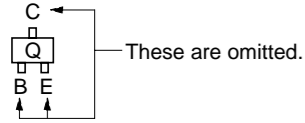
• **Note for Printed Wiring Boards and Schematic Diagrams**

Note on Printed Wiring Board:

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

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

• Indication of transistor



• Abbreviation

- AUS : Australian model
- E2 : 120 V AC area in E model
- E3 : 240 V AC area in E model
- E51 : Chilean and Peruvian model
- EA : Saudi Arabia model
- MY : Malaysia model
- SP : Singapore model

UNLEADED SOLDER

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

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

LF: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

Note on Schematic Diagram:

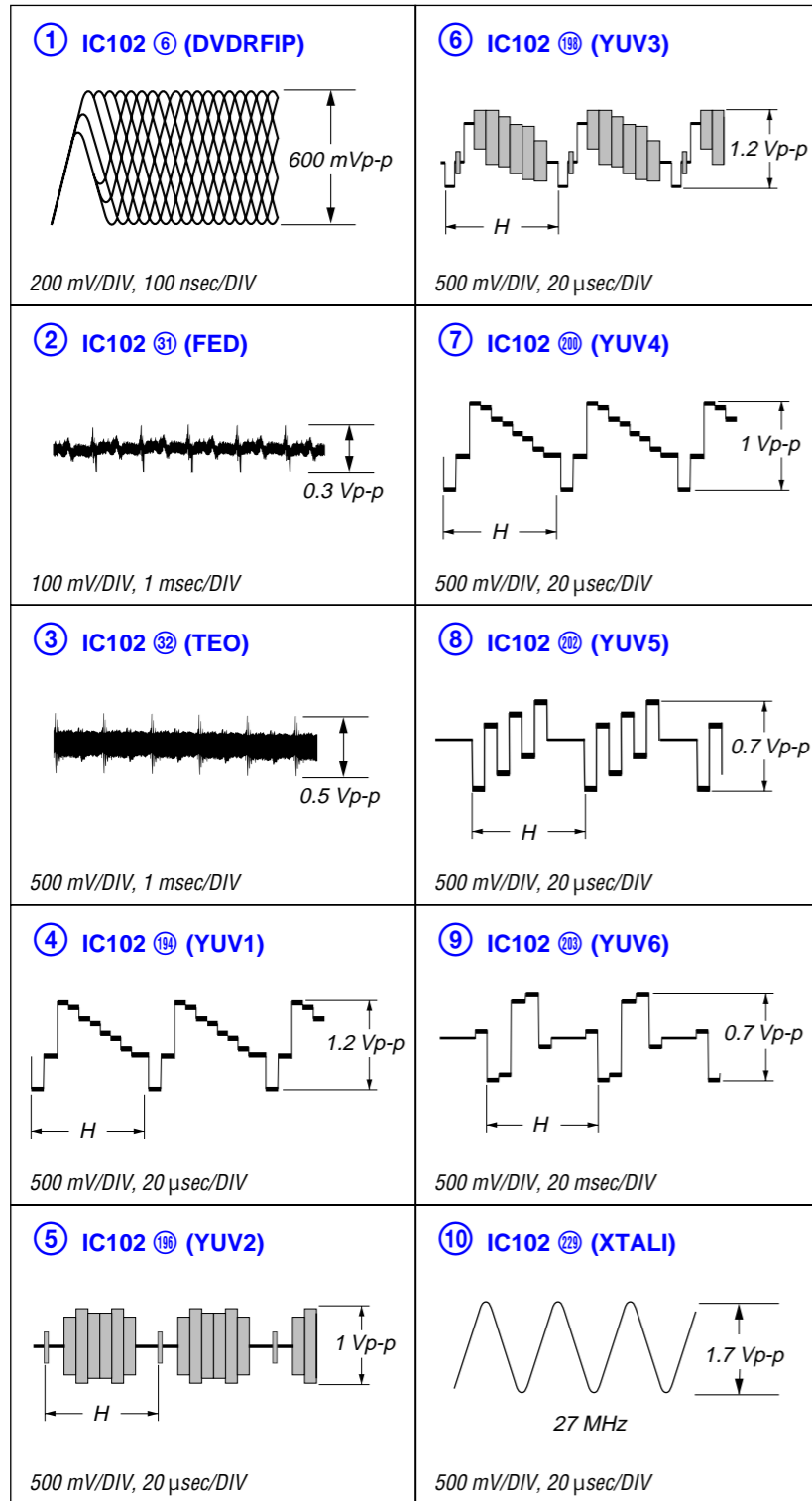
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

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

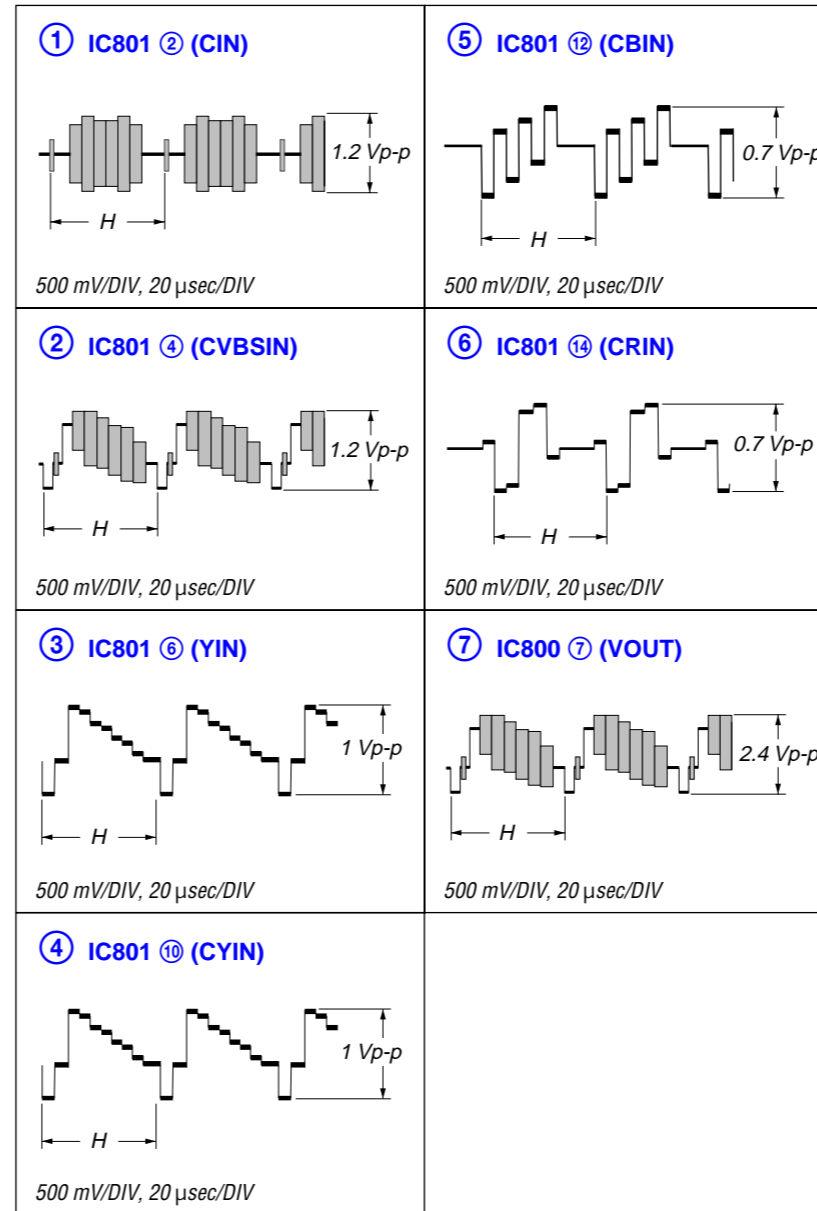
- : B+ Line.
- : B- Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : TUNER
- () : TAPE PLAY
- [] : TAPE REC
- < > : DVD PLAY
- * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - : TUNER/AUDIO
 - : VIDEO
 - : VIDEO (COMPONENT)
 - : TAPE PLAY (DECK A)
 - : TAPE PLAY (DECK B)
 - : TAPE REC (DECK B)
 - : DVD PLAY (ANALOG)
 - : DVD PLAY (DIGITAL)
 - : MIC
- Abbreviation
 - AUS : Australian model
 - E2 : 120 V AC area in E model
 - E3 : 240 V AC area in E model
 - E51 : Chilean and Peruvian model
 - EA : Saudi Arabia model
 - MY : Malaysia model
 - SP : Singapore model

• Waveforms

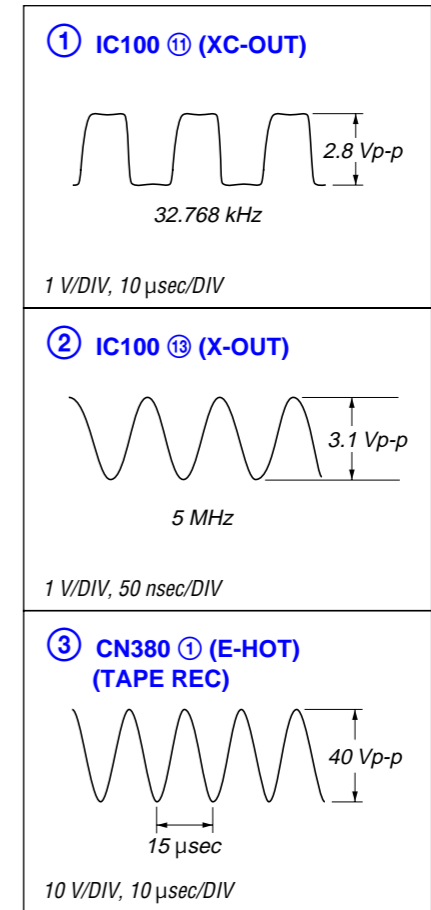
– DMB16 Board –



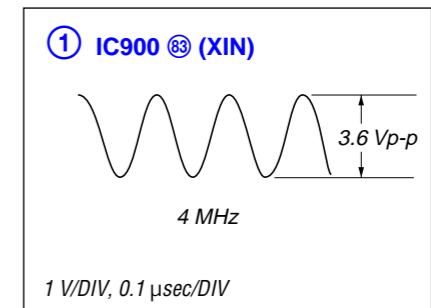
– VIDEO Board – (DVD PLAY)



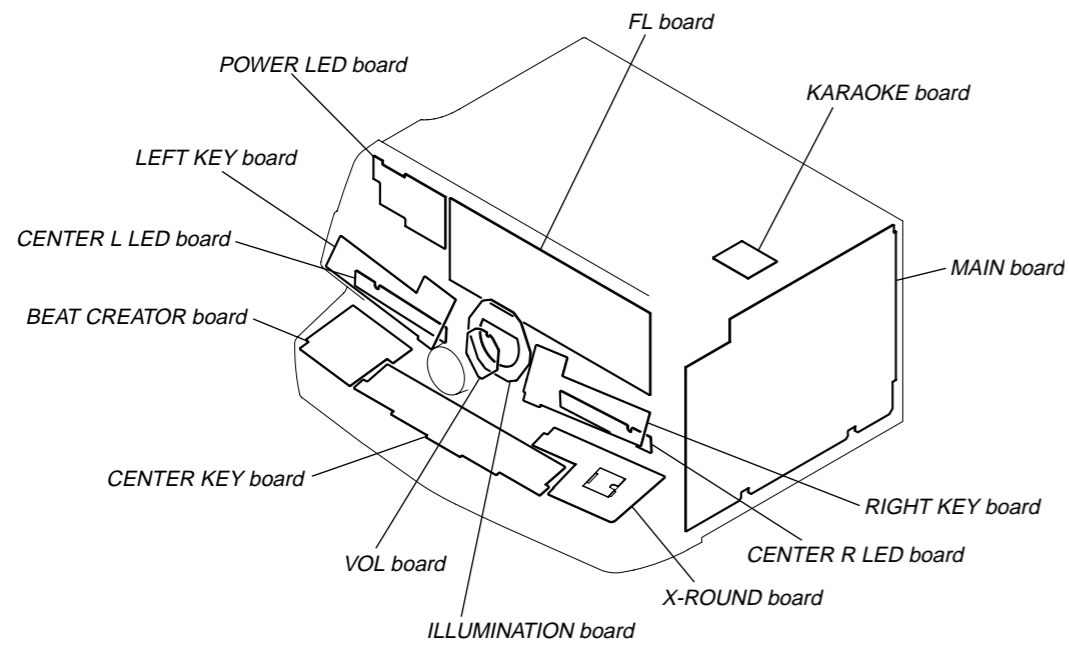
– MAIN Board –



– FL Board –

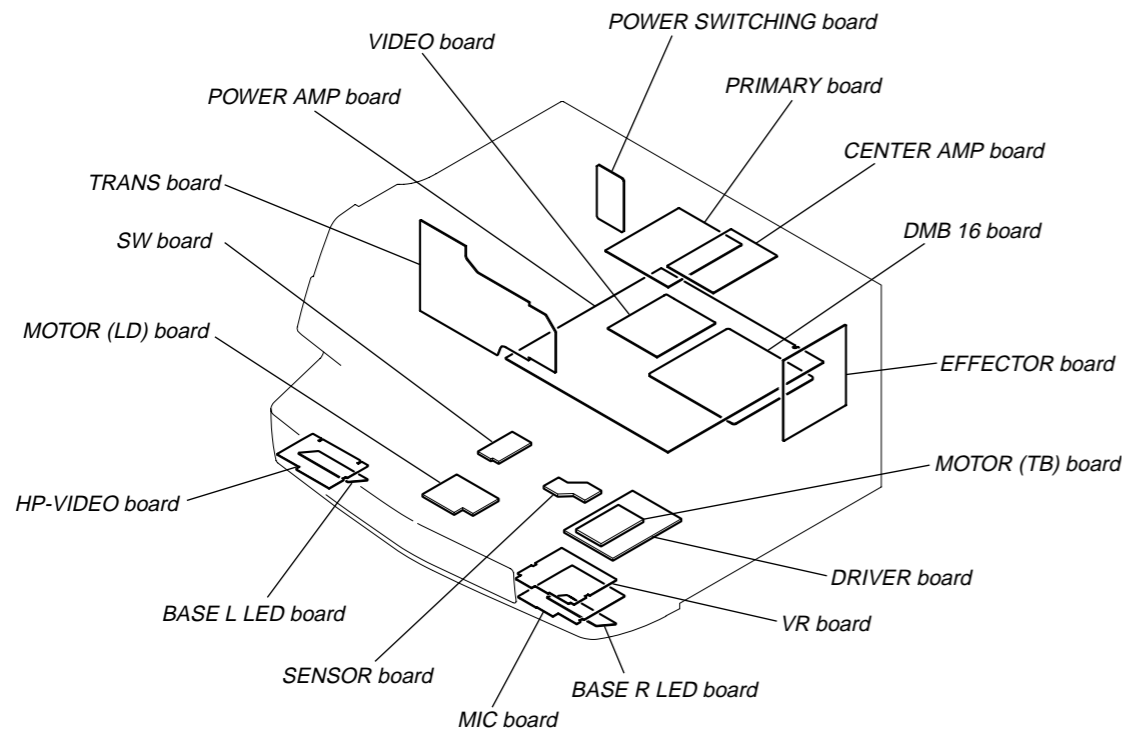



• Circuit Boards Location

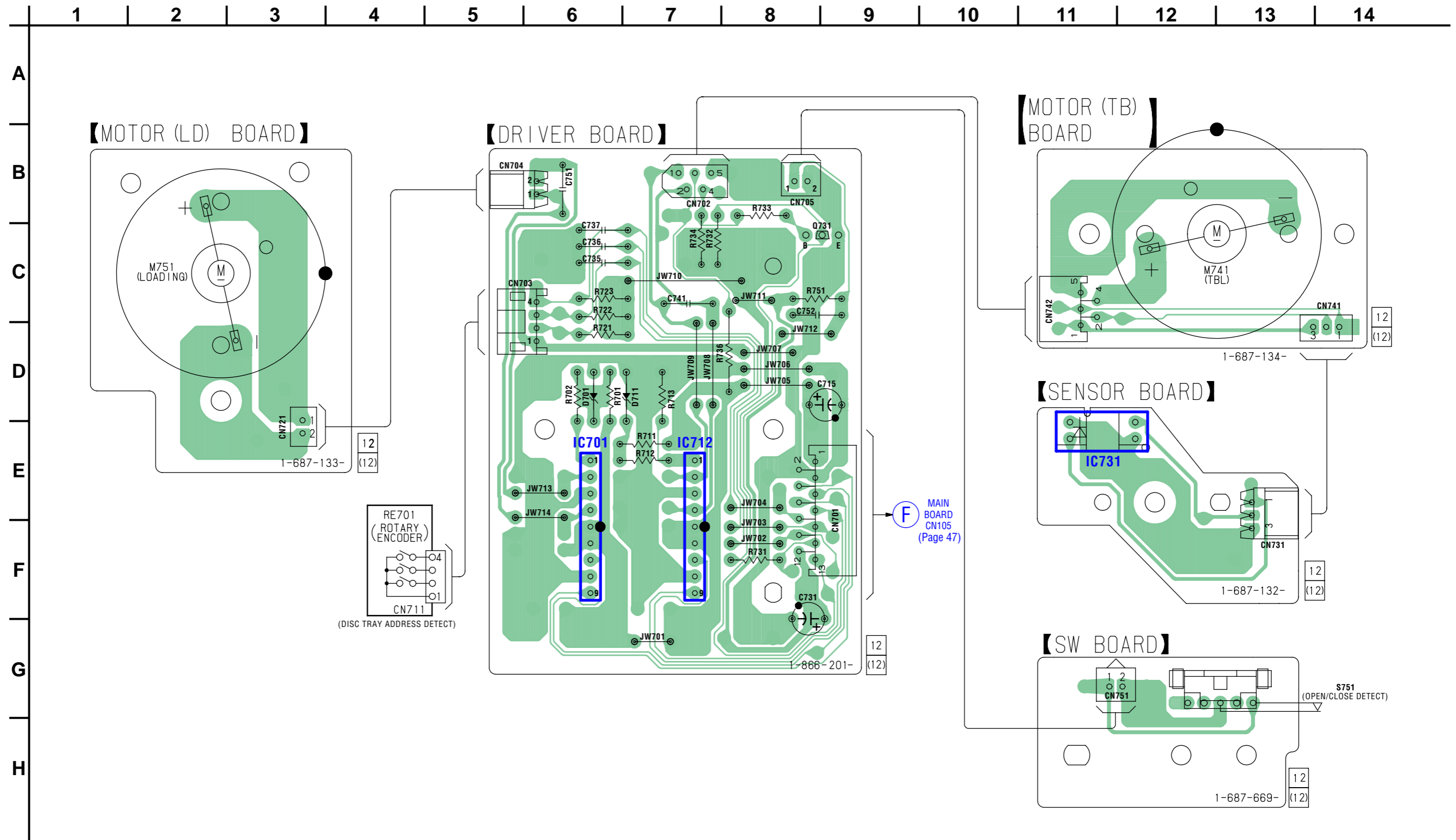


• Semiconductor Location (MAIN Borad)

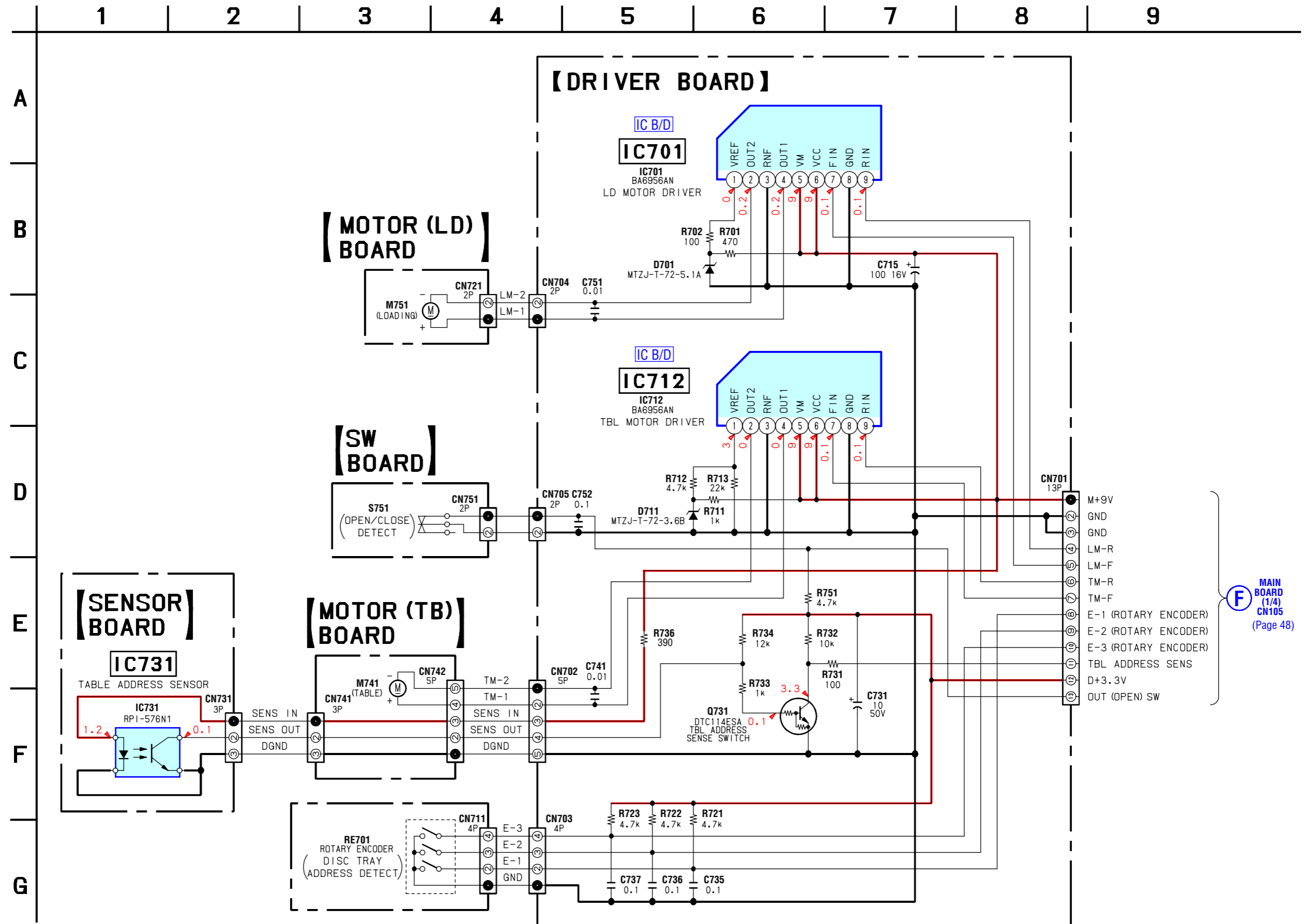
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D102	A-5	Q101	E-6	Q450	I-11
D103	A-5	Q201	B-8	Q451	H-9
D105	E-6	Q202	B-8	Q452	H-9
D150	A-5	Q203	B-9	Q490	H-8
D205	B-5	Q204	C-8	Q500	H-9
D207	B-7	Q205	B-7	Q501	G-8
D224	A-6	Q206	B-7	Q502	G-8
D257	B-7	Q207	B-7	Q520	G-11
D270	B-5	Q208	B-7	Q521	G-11
D272	B-5	Q242	A-8	Q522	G-10
D530	H-6	Q243	A-8	Q523	F-10
D545	F-6	Q244	B-8	Q525	H-7
D549	E-9	Q245	C-9	Q526	H-7
D550	E-9	Q246	C-8	Q527	H-7
D551	E-9	Q247	C-8	Q528	H-8
D552	E-9	Q248	C-8	Q529	H-8
D558	G-6	Q249	C-9	Q530	H-8
D560	H-3	Q251	C-8	Q545	F-6
D561	G-3	Q252	B-8	Q546	F-6
D600	F-12	Q253	C-8	Q547	G-6
D601	F-12	Q254	C-8	Q550	E-9
D602	F-12	Q255	B-7	Q551	E-9
		Q256	B-7	Q557	G-6
IC100	C-5	Q270	B-5	Q570	G-11
IC120	B-6	Q300	B-9	Q571	F-10
IC200	C-10	Q301	D-10	Q572	F-10
IC201	H-10	Q302	D-11	Q573	G-9
IC202	B-5	Q305	D-11	Q600	F-12
IC500	G-8	Q306	C-10	Q601	F-12
IC501	G-9	Q350	A-10	Q602	F-12
IC550	H-6	Q351	D-11	Q603	F-12
IC551	H-6	Q352	D-10	Q604	E-12
IC552	G-6	Q373	C-11	Q610	G-12
IC553	F-4	Q400	I-11		
IC554	F-3	Q401	H-9		
IC555	F-3	Q440	H-8		




7-8. PRINTED WIRING BOARDS – DRIVER Section – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.

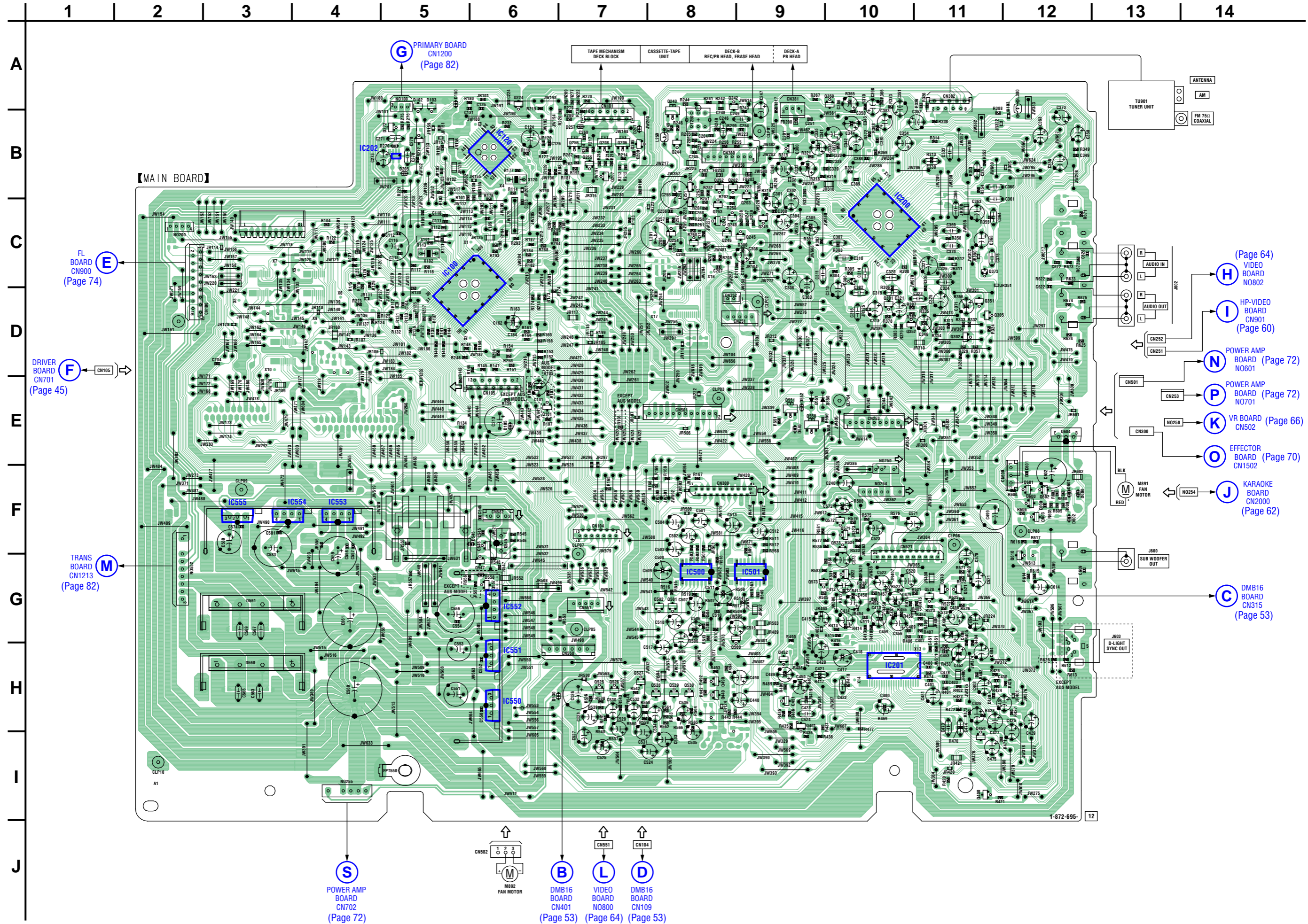


7-9. SCHEMATIC DIAGRAM – DRIVER Section – • See page 84 for IC Block Diagrams.



7-10. PRINTED WIRING BOARD – MAIN Section –

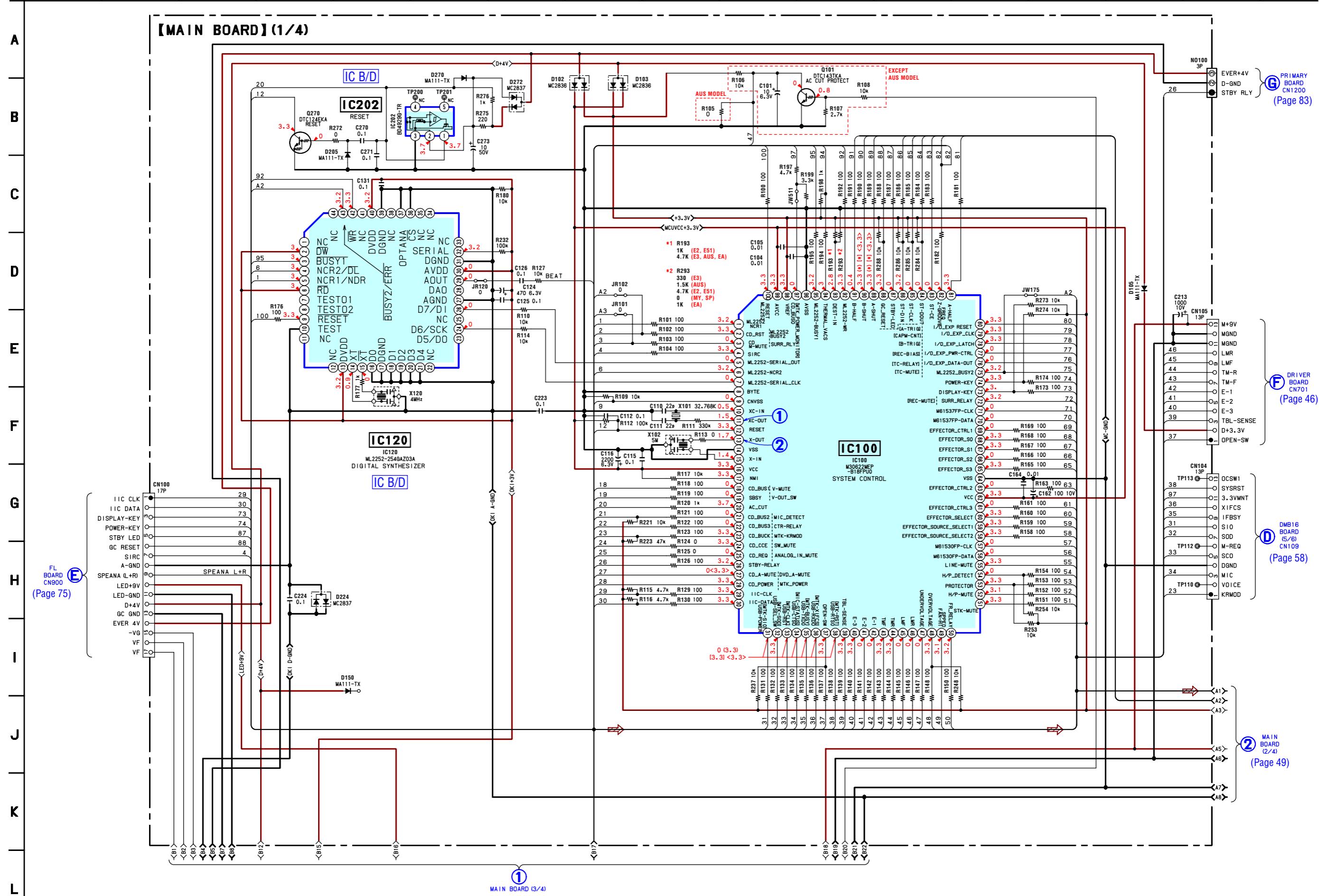
• See page 44 for Semiconductor Location.
• See page 44 for Circuit Boards Location.  : Uses unleaded solder.



- See page 43 for Waveforms.
- See page 84 for IC Block Diagrams.
- See page 91 for IC Pin Description of IC100.

7-11. SCHEMATIC DIAGRAM – MAIN Section (1/4) –

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



FL BOARD CN900 (Page 75)

PRIMARY BOARD CN1200 (Page 83)

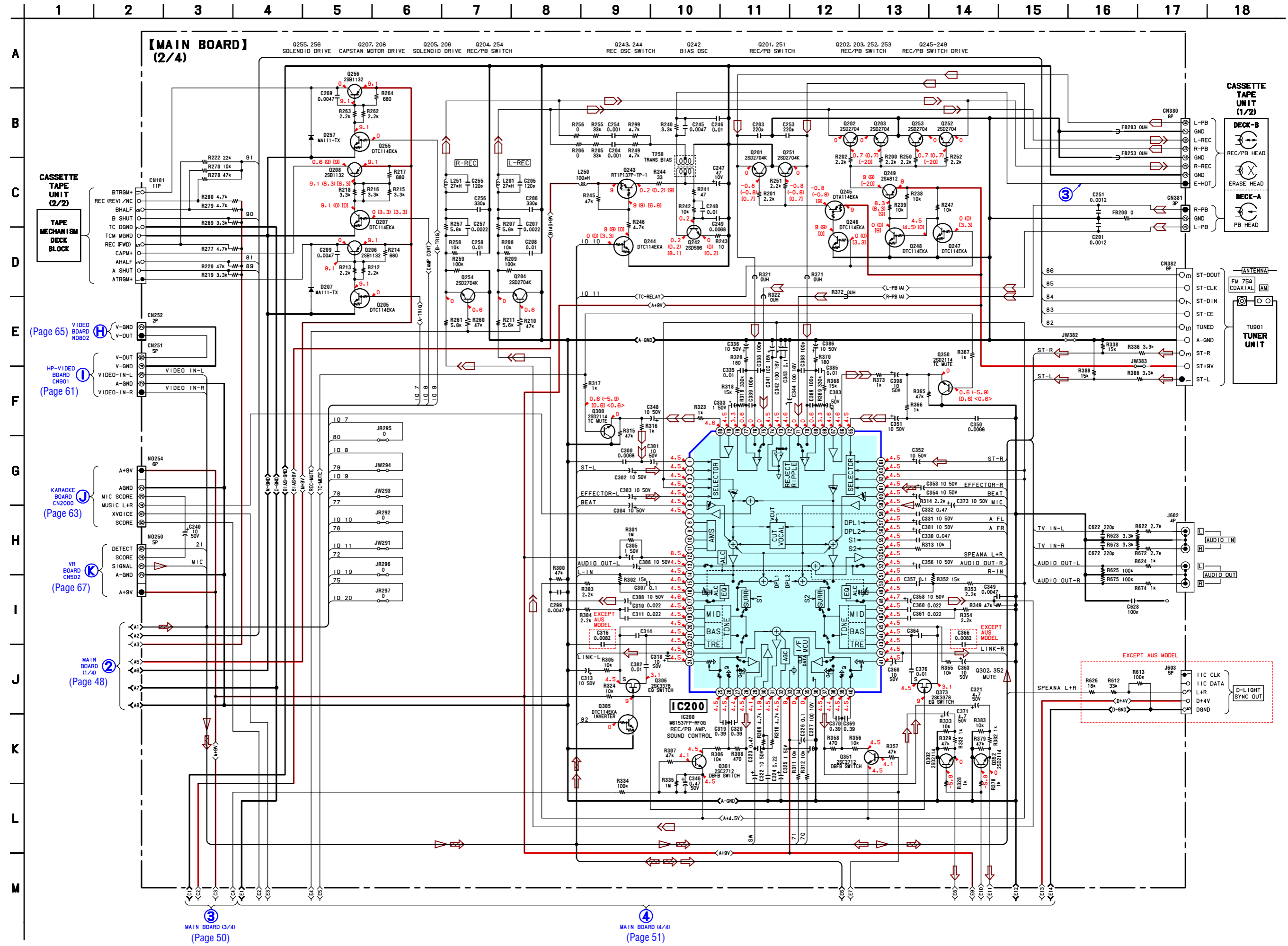
DRIVER BOARD CN701 (Page 46)

DMB16 BOARD (5/6) CN109 (Page 58)

MAIN BOARD (2/4) (Page 49)


MAIN BOARD (3/4) (Page 50)

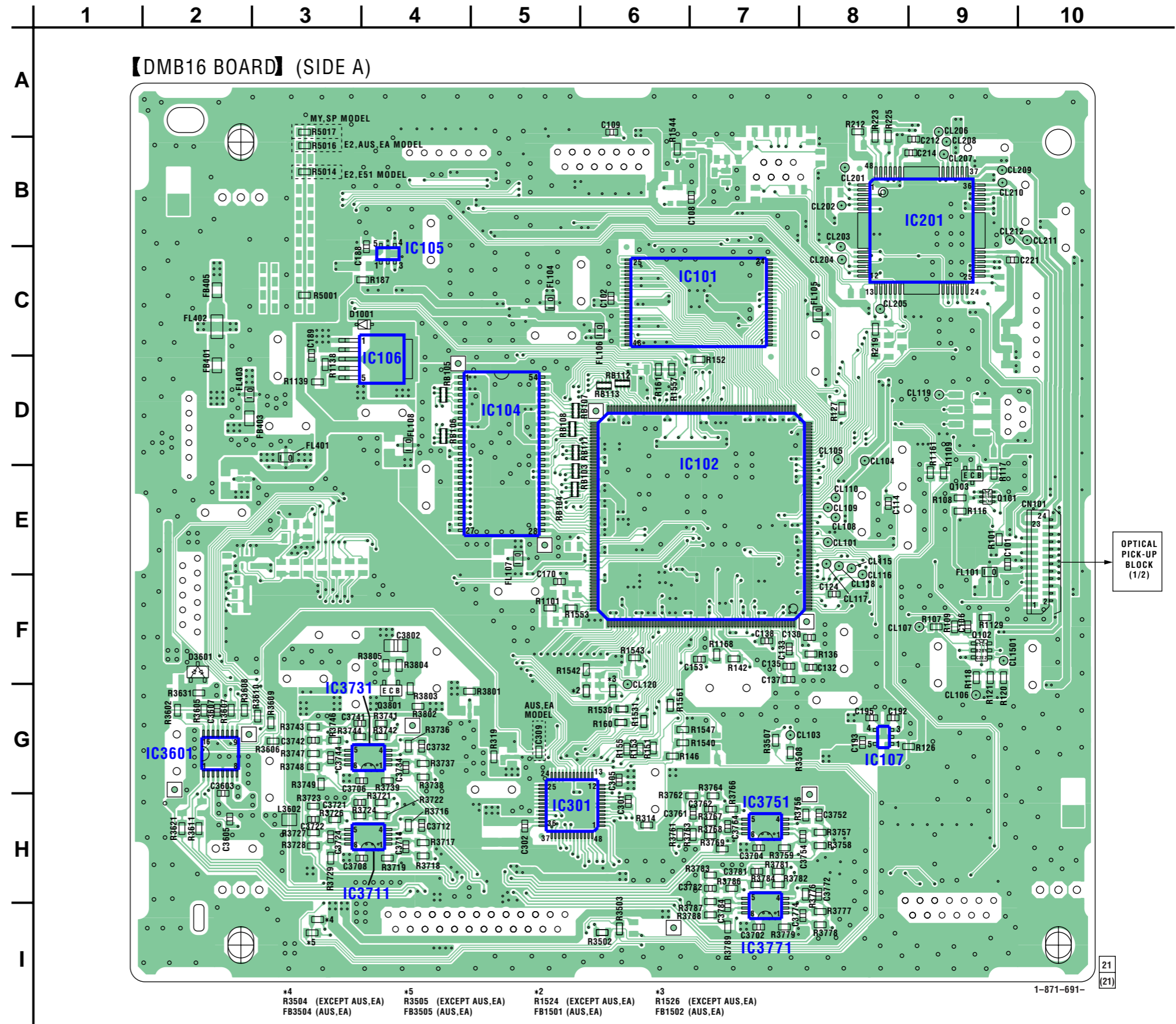
7-12. SCHEMATIC DIAGRAM – MAIN Section (2/4) – See page 43 for Waveform.




③ MAIN BOARD (3/4)
(Page 50)

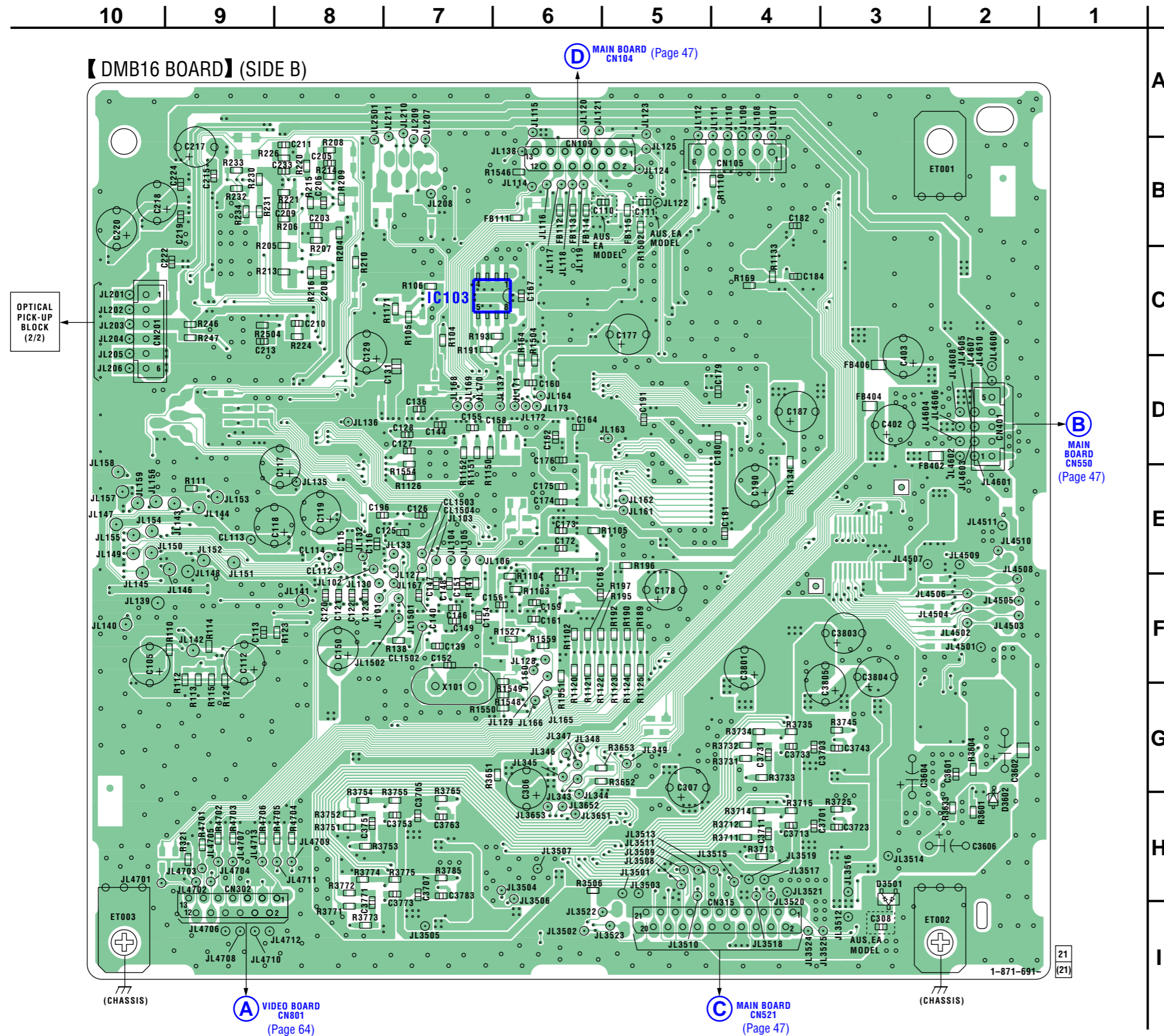
④ MAIN BOARD (4/4)
(Page 51)

7-15. PRINTED WIRING BOARD – DMB16 Section (1/2) – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.



7-16. PRINTED WIRING BOARD – DMB16 Section (2/2) – See page 44 for Circuit Boards Location.  : Uses unleaded solder.

When IC103 on the DMB16 board are damaged, exchange the new DMB16 board for the DMB16 board which IC damaged.

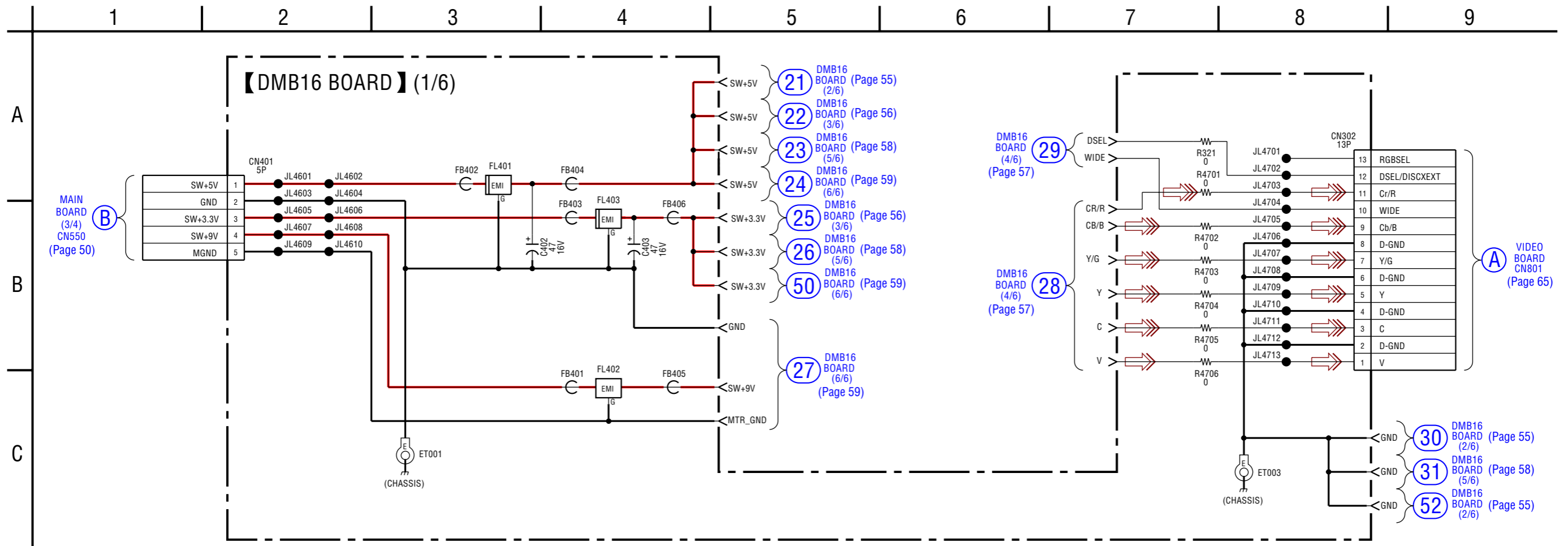


• Semiconductor Location

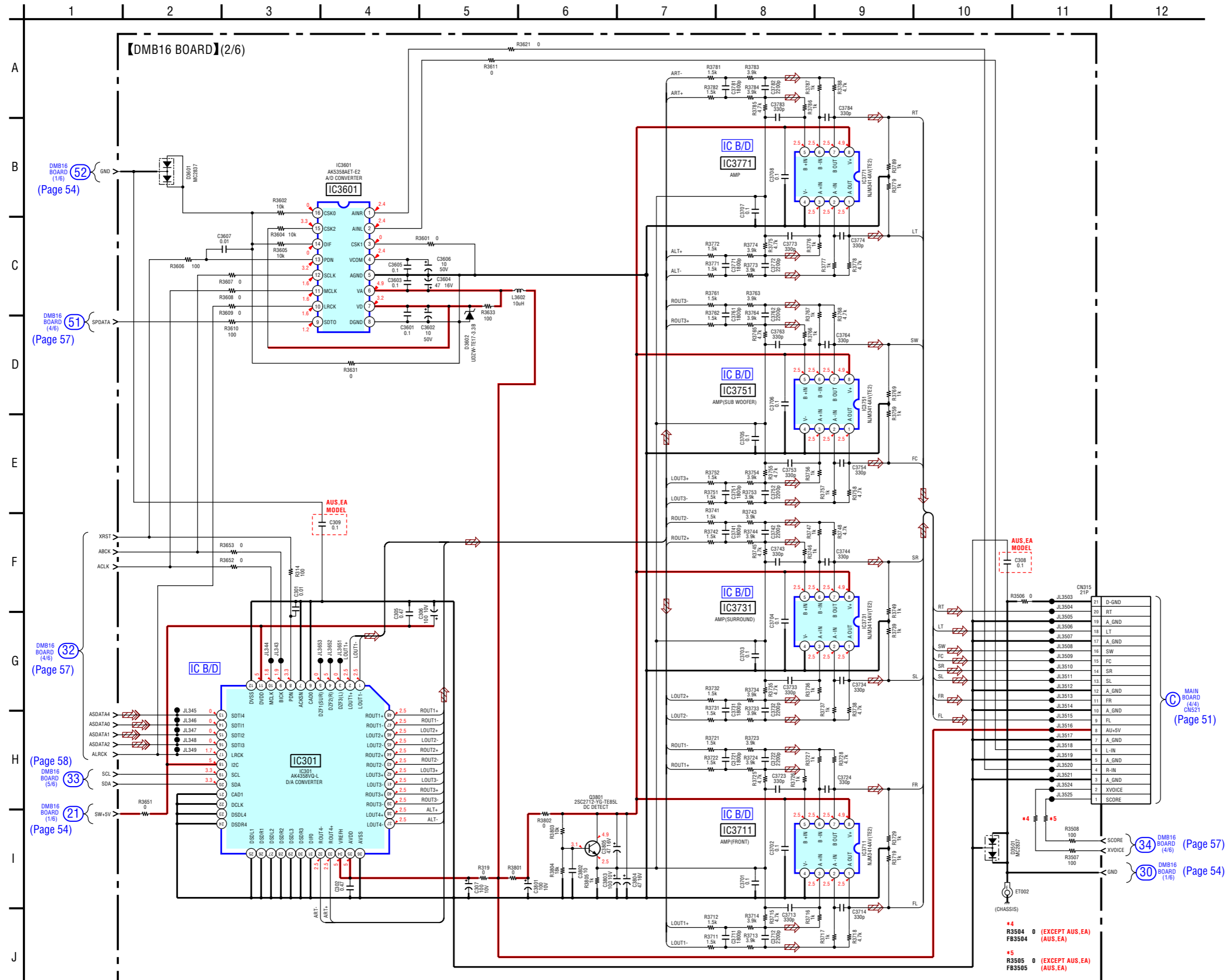
Ref. No.	Location
D1001	D-4
(D3501)	H-3
D3601	F-2
(D3602)	H-2
IC101	C-7
IC102	E-7
(IC103)	C-7
IC104	D-5
IC105	C-4
IC106	D-4
IC107	G-8
IC201	B-9
IC301	H-5
IC3601	G-2
IC3711	H-4
IC3731	G-4
IC3751	H-7
IC3771	I-7
Q101	E-9
Q102	F-9
Q103	E-9
Q3801	G-4

() : SIDE B

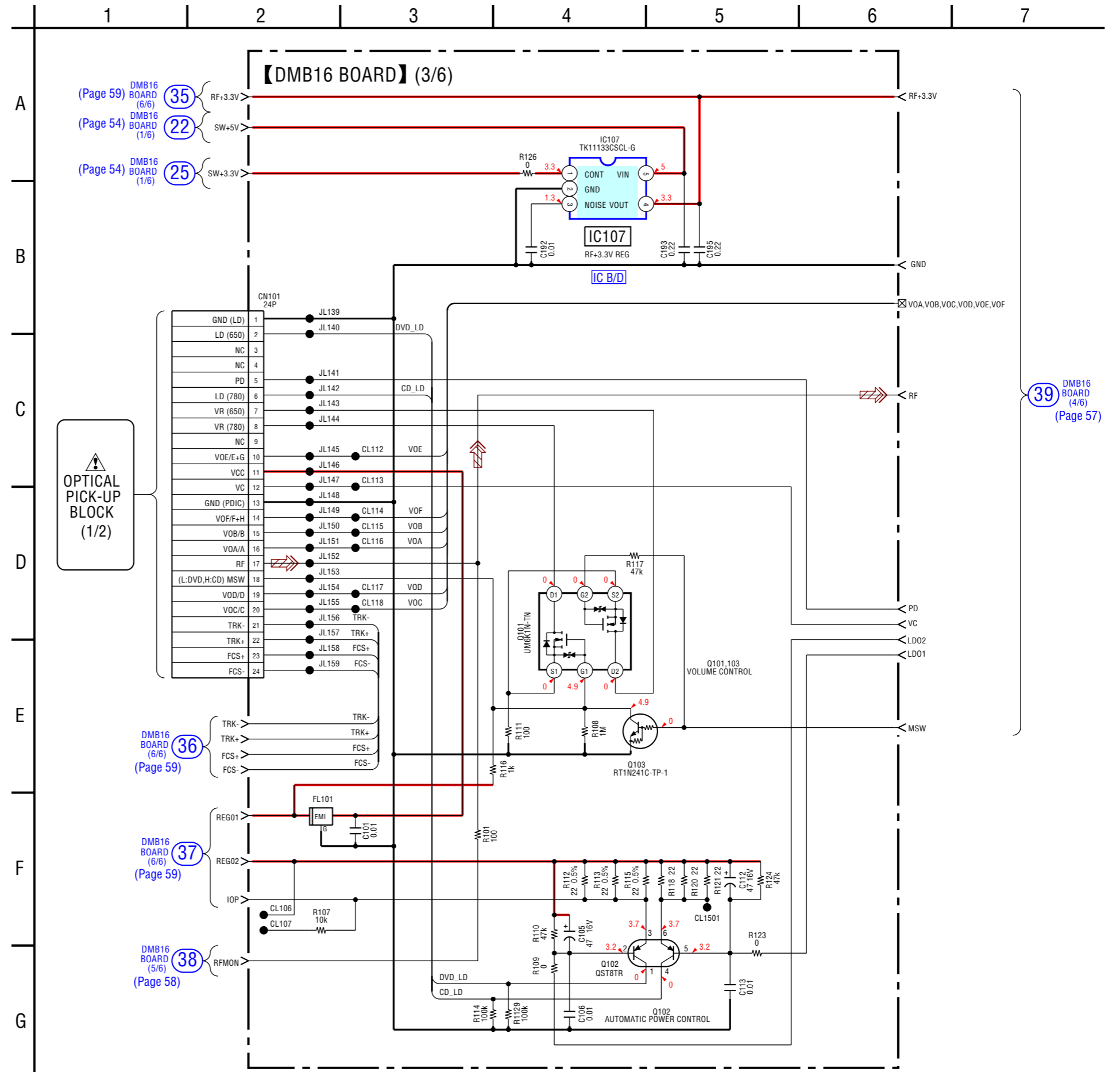
7-17. SCHEMATIC DIAGRAM – DMB16 Section (1/6) –



7-18. SCHEMATIC DIAGRAM – DMB16 Section (2/6) – • See page 87 for IC Block Diagrams.

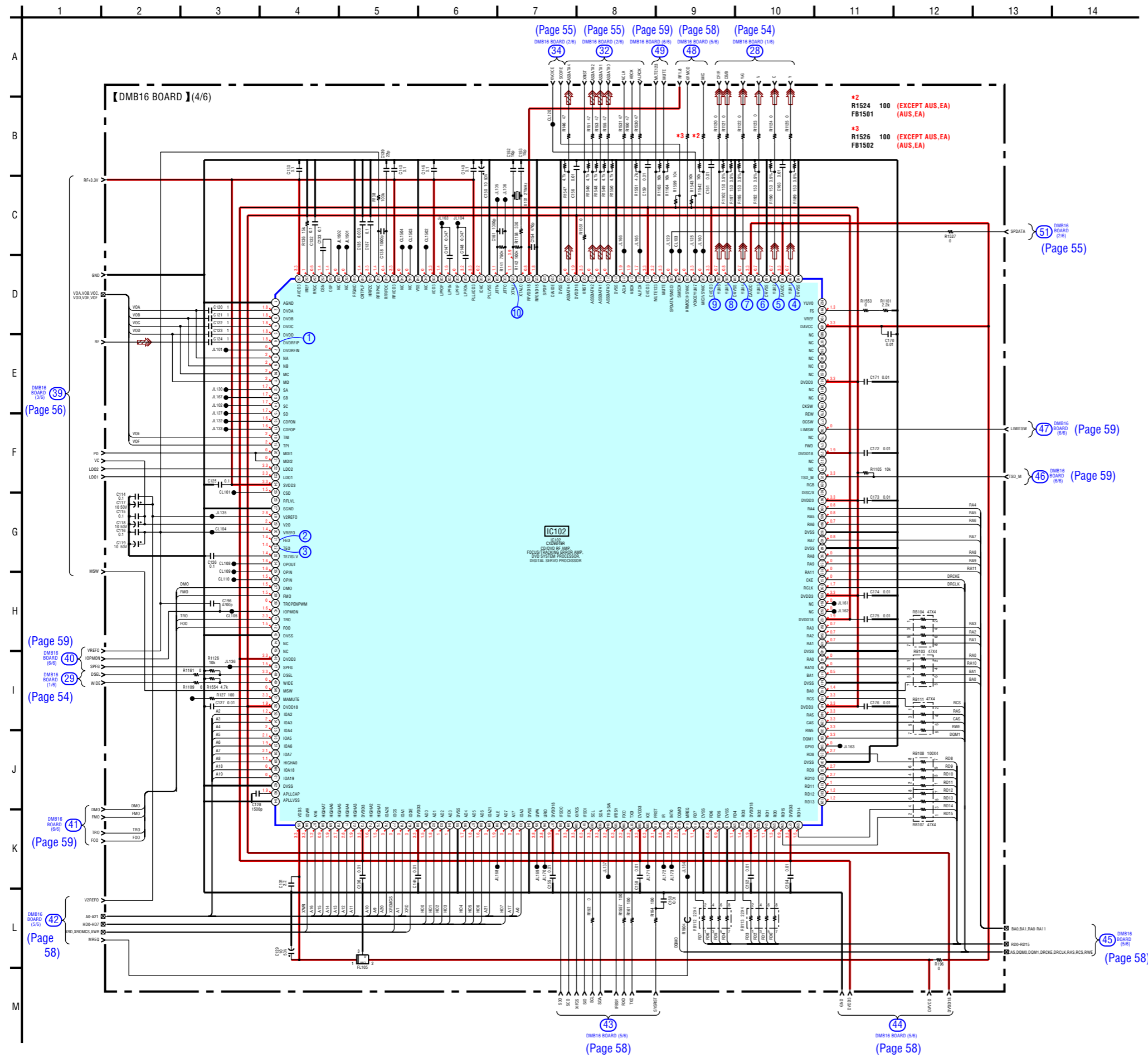


7-19. SCHEMATIC DIAGRAM – DMB16 Section (3/6) – See page 87 for IC Block Diagram.



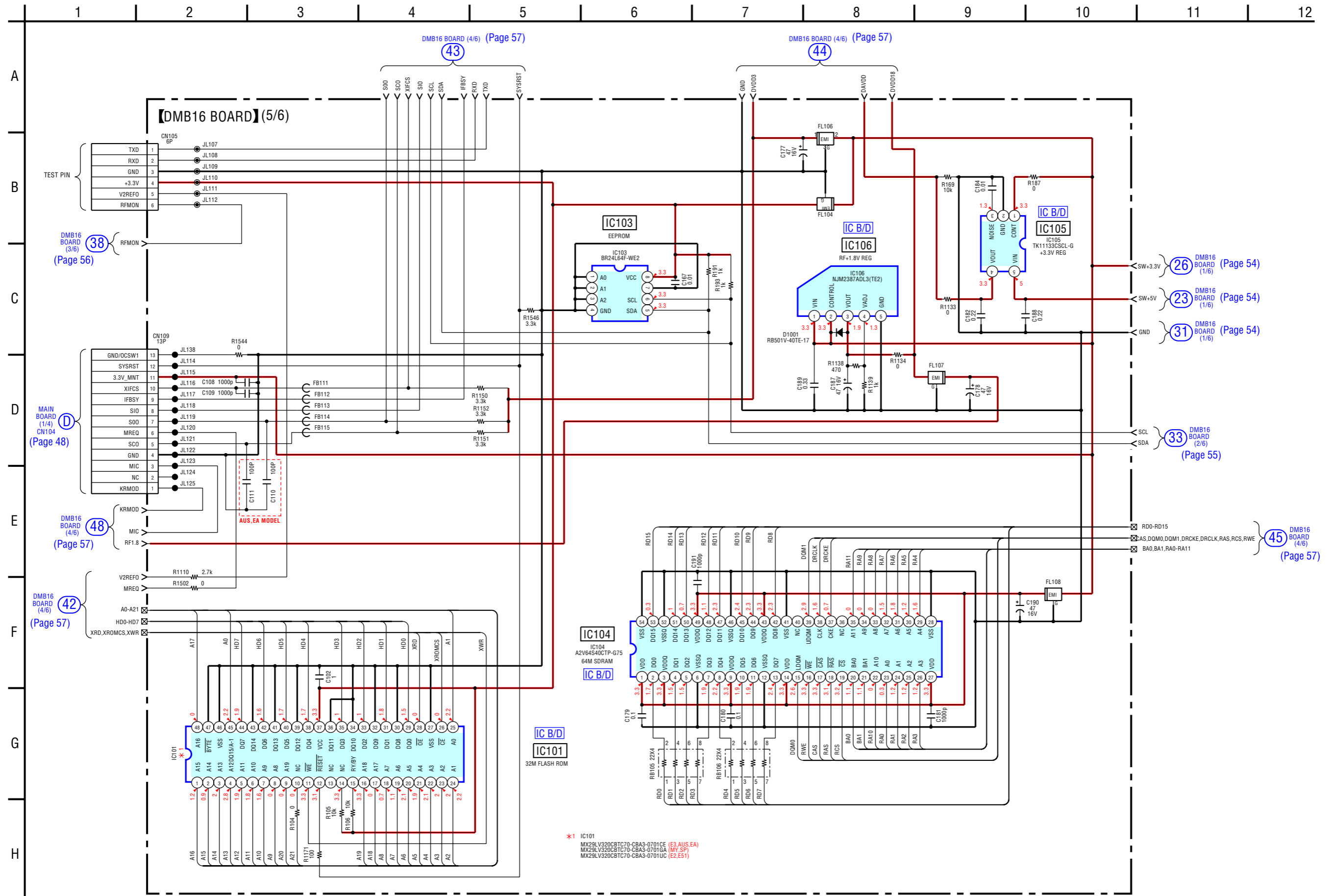
7-20. SCHEMATIC DIAGRAM – DMB16 Section (4/6) –

- See page 43 for Waveforms.
- See page 94 for IC Pin Description of IC102.

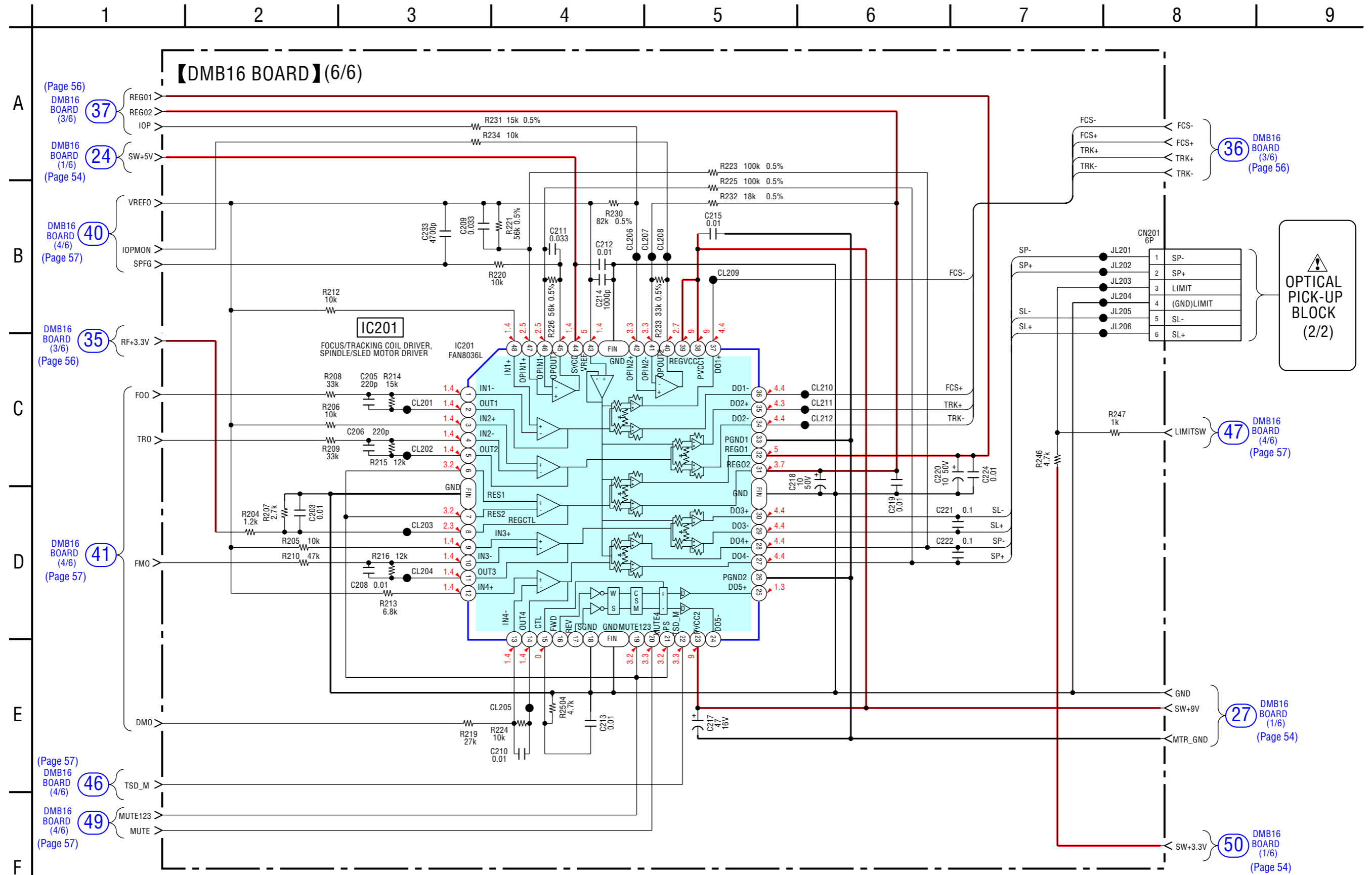


7-21. SCHEMATIC DIAGRAM – DMB16 Section (5/6) – See page 87 for IC Block Diagrams.

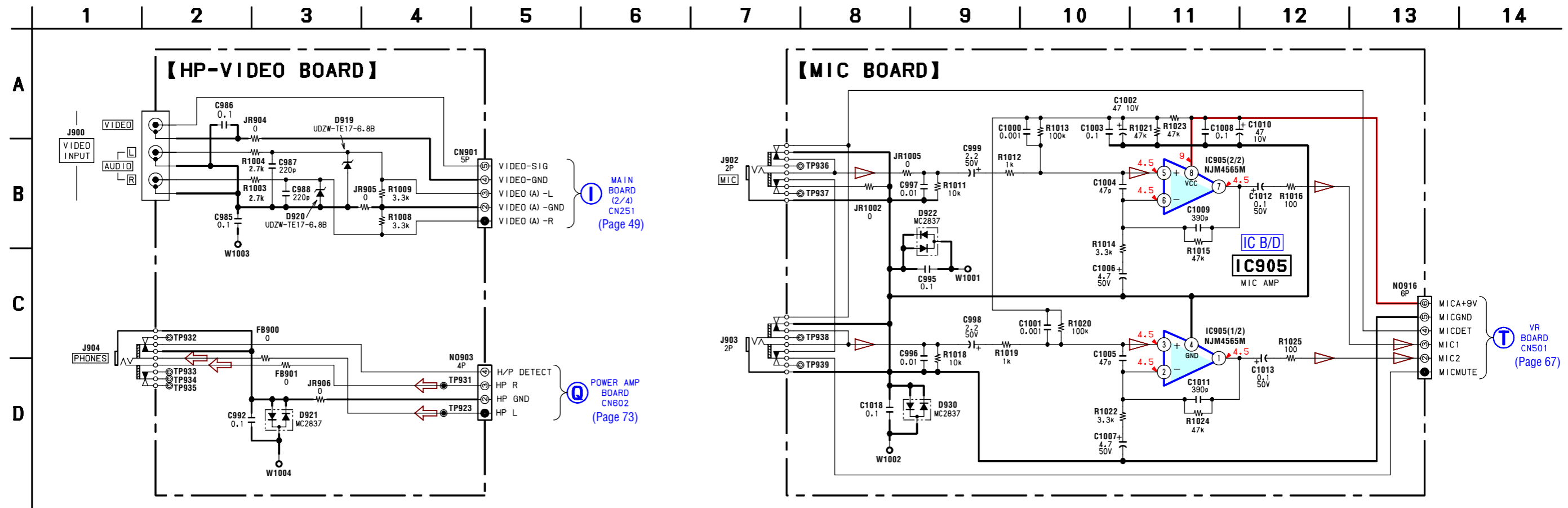
When IC103 on the DMB16 board are damaged, exchange the new DMB16 board for the DMB16 board which IC damaged.



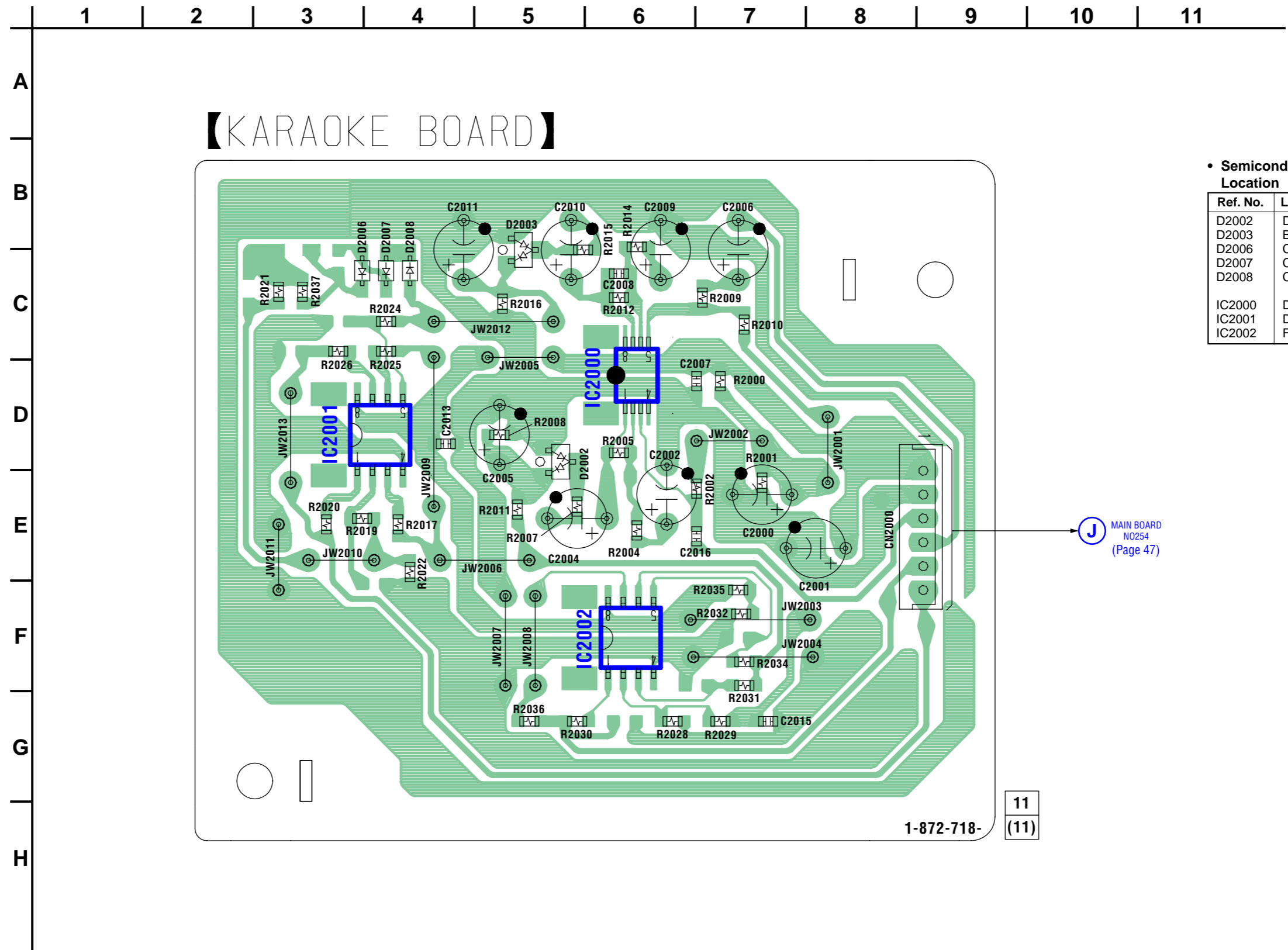
7-22. SCHEMATIC DIAGRAM – DMB16 Section (6/6) –



7-24. SCHEMATIC DIAGRAM – HP-VIDEO/MIC Section – • See page 90 for IC Block Diagram.



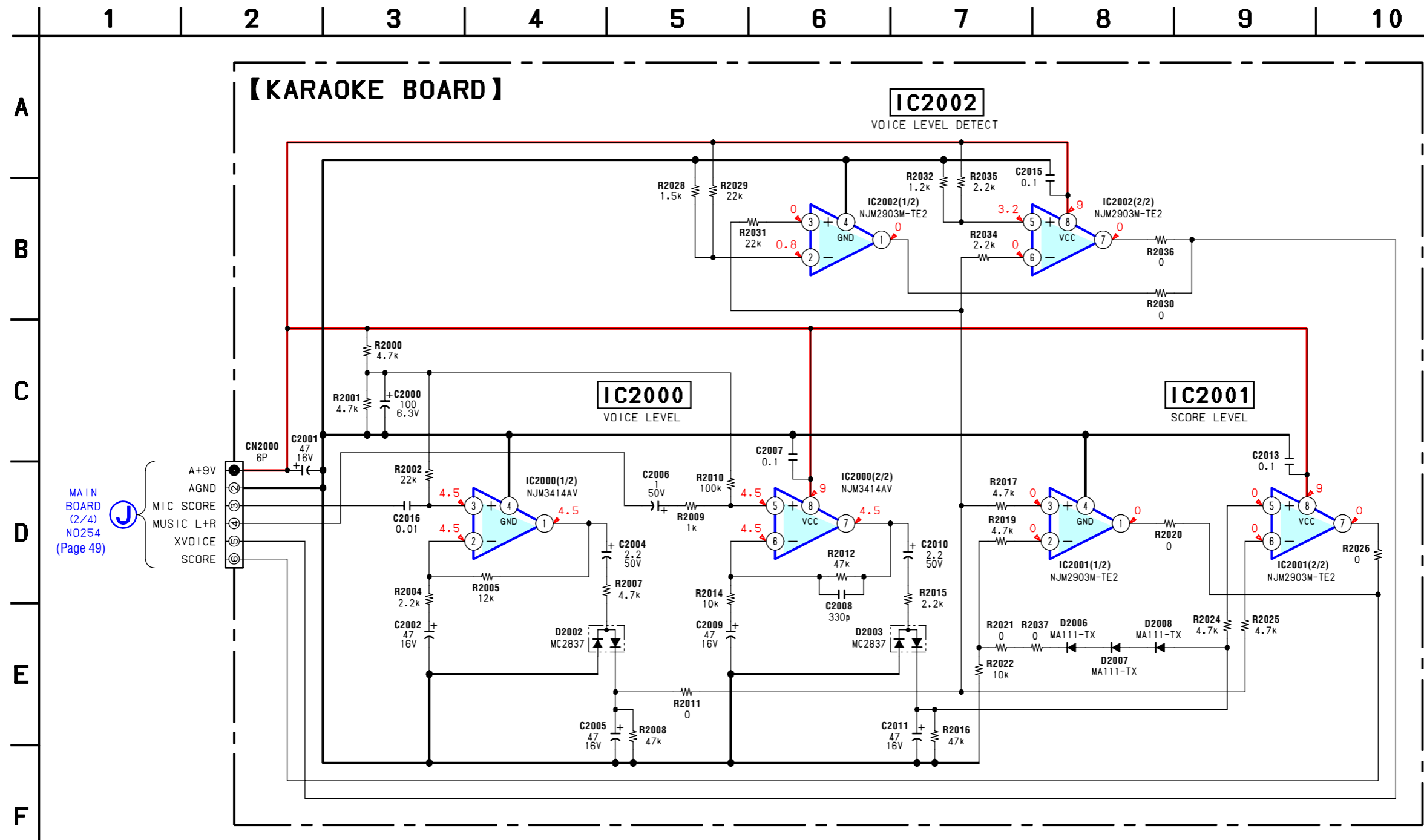
7-25. PRINTED WIRING BOARD – KARAOKE Section – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.




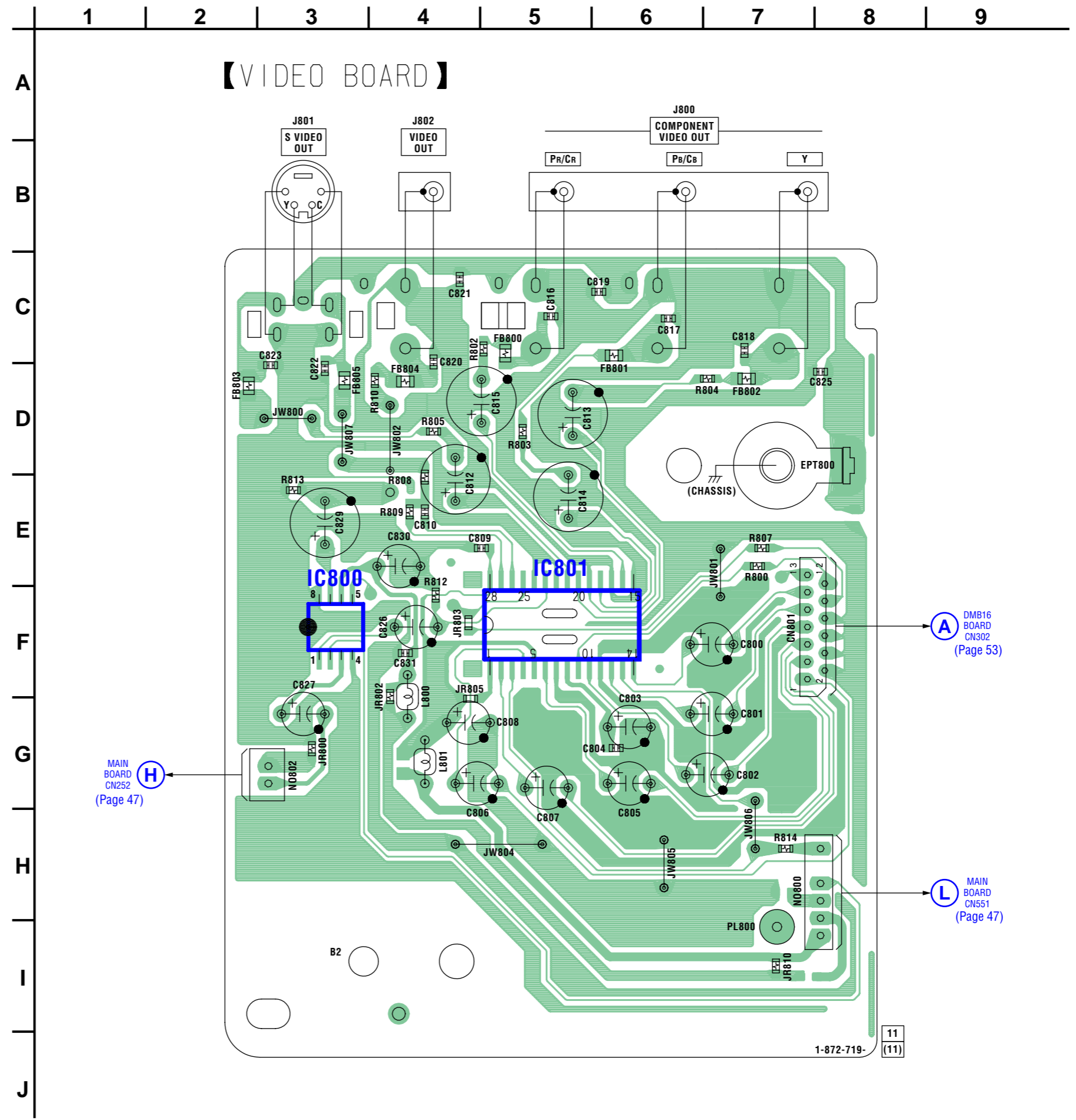
• Semiconductor Location

Ref. No.	Location
D2002	D-5
D2003	B-5
D2006	C-4
D2007	C-4
D2008	C-4
IC2000	D-6
IC2001	D-3
IC2002	F-6

7-26. SCHEMATIC DIAGRAM – KARAOKE Section –



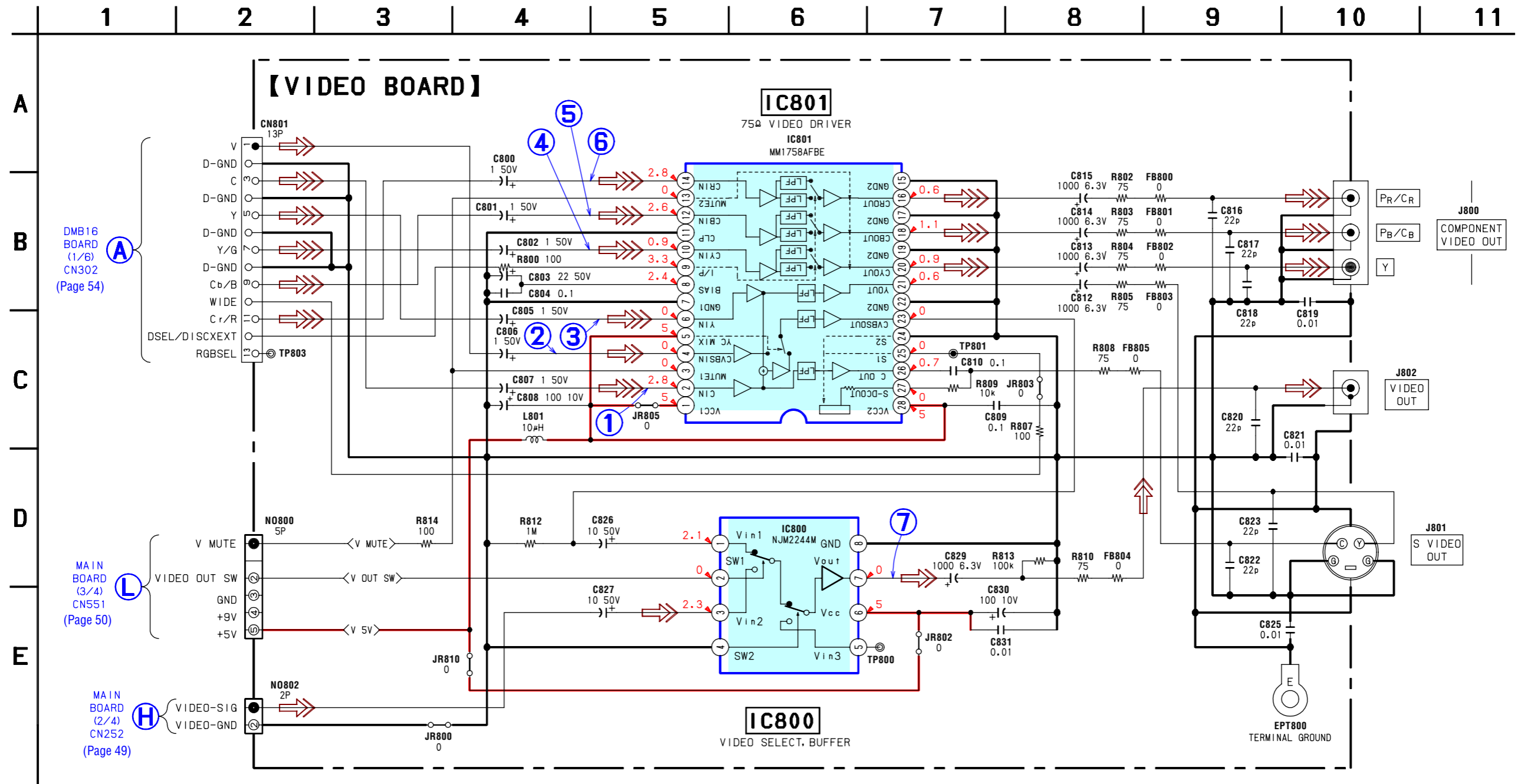
7-27. PRINTED WIRING BOARD – VIDEO Section – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.



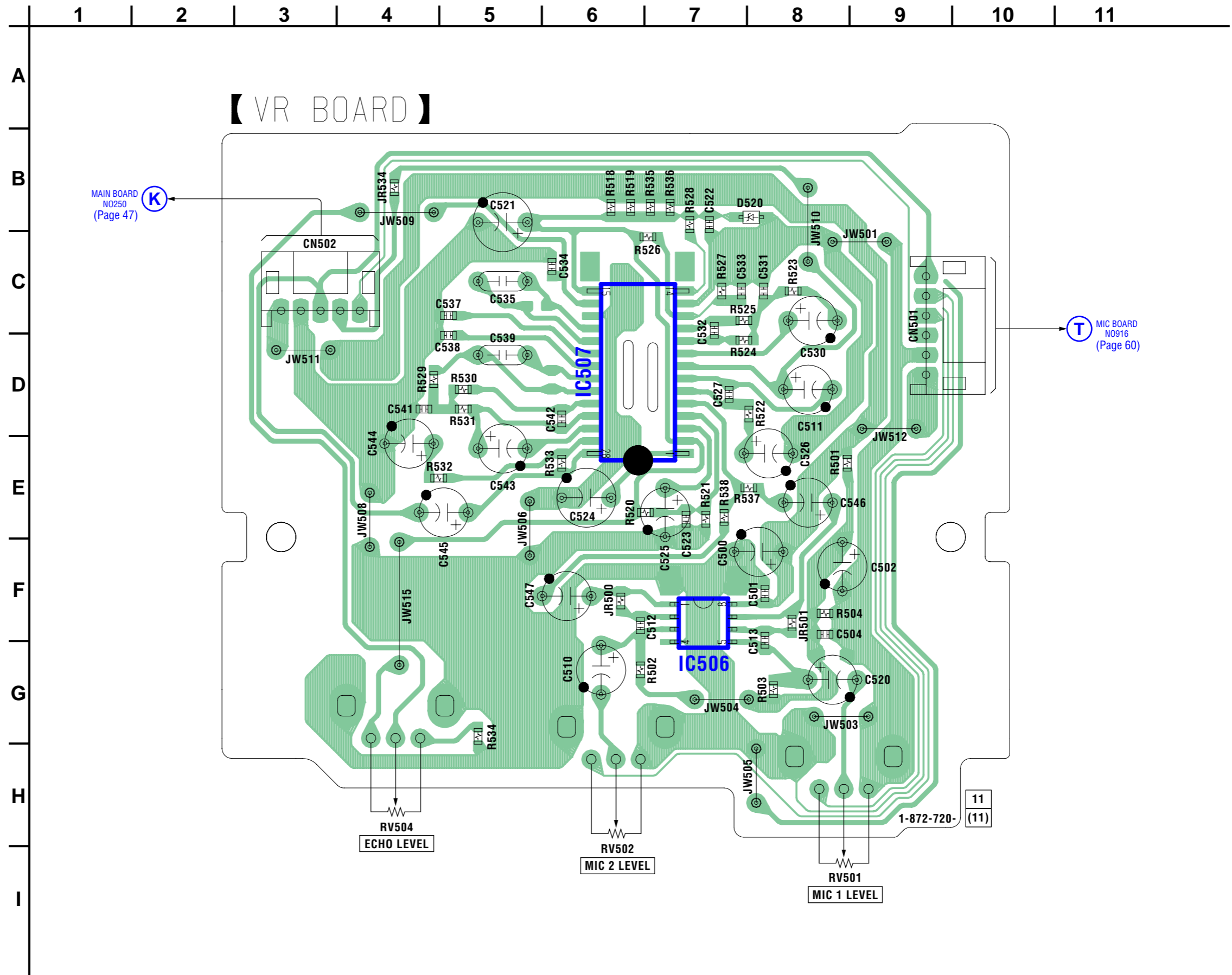
1-872-719-

11
(11)

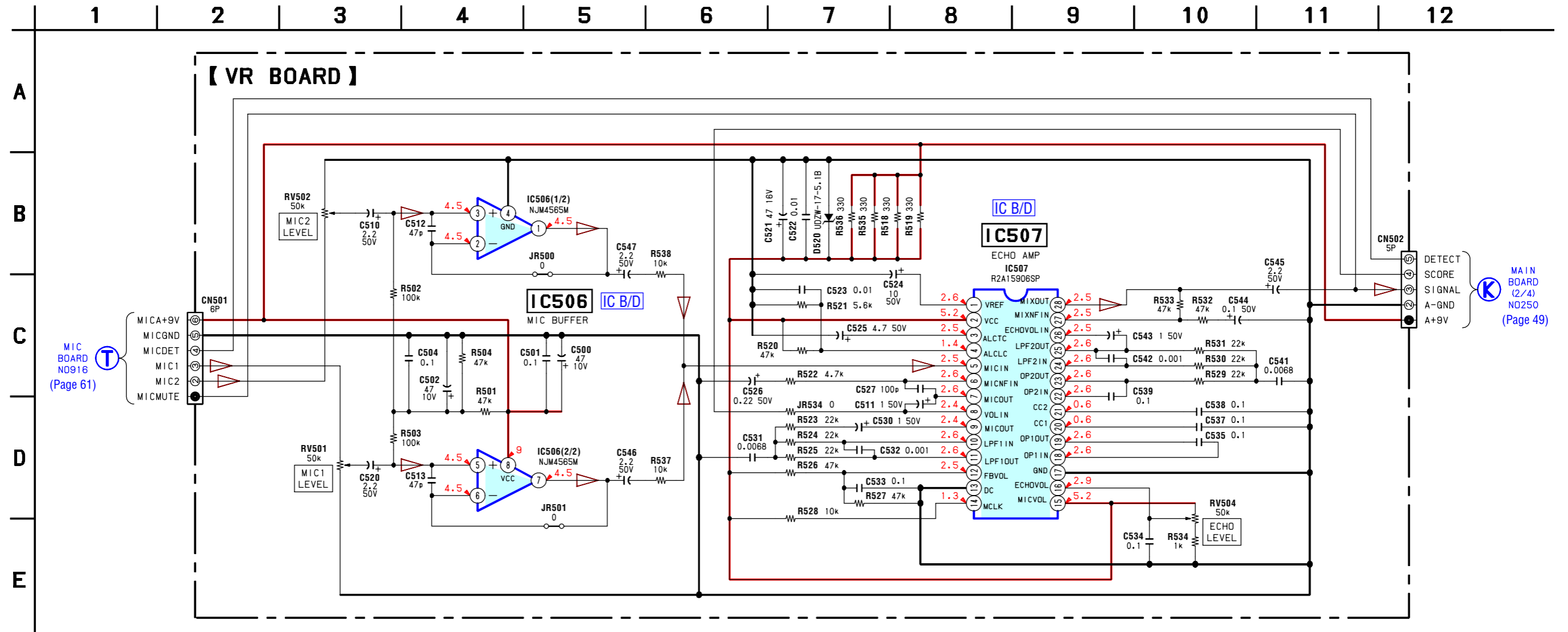
7-28. SCHEMATIC DIAGRAM – VIDEO Section – See page 43 for Waveforms.



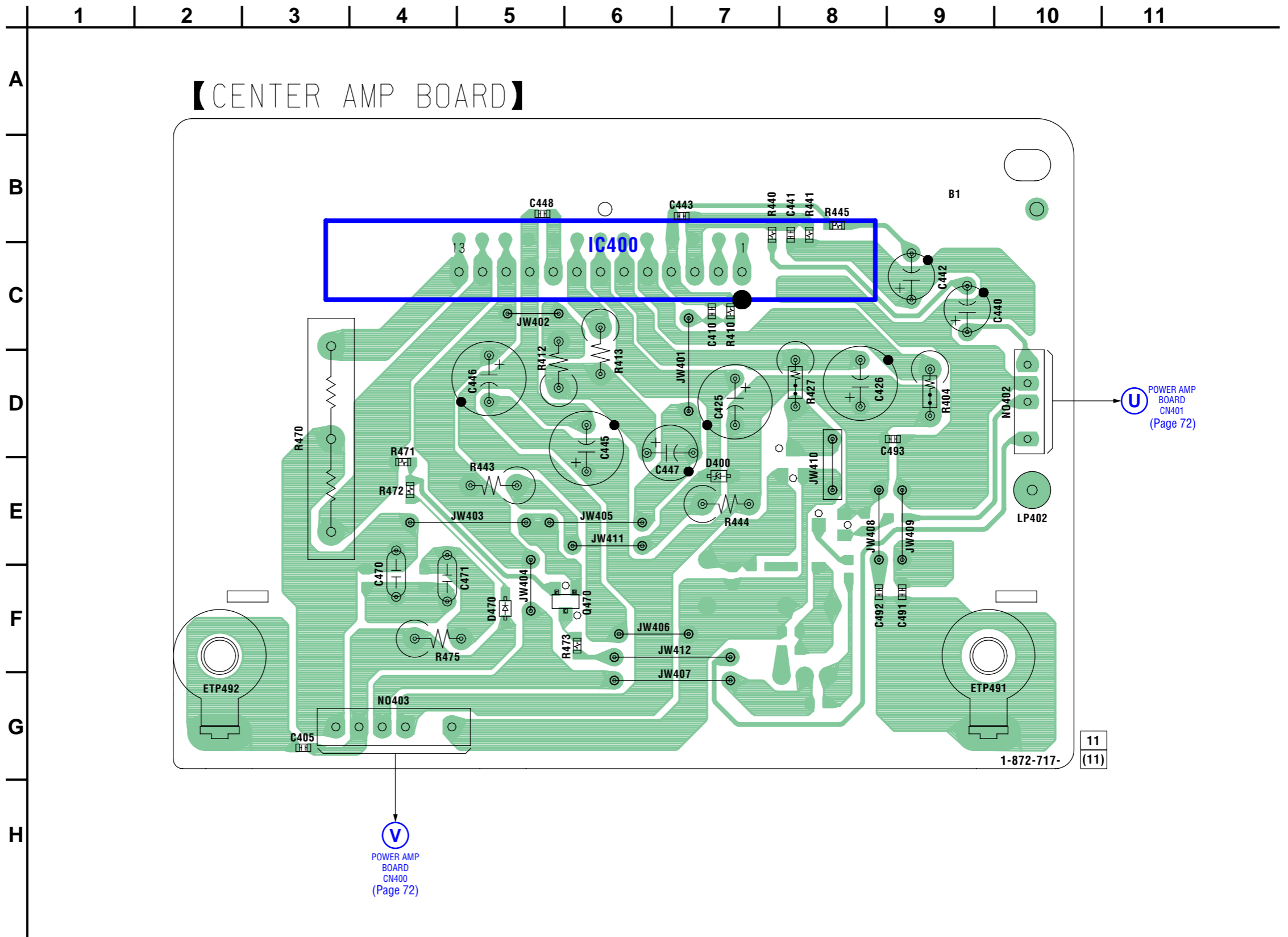
7-29. PRINTED WIRING BOARD – VR Section – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.



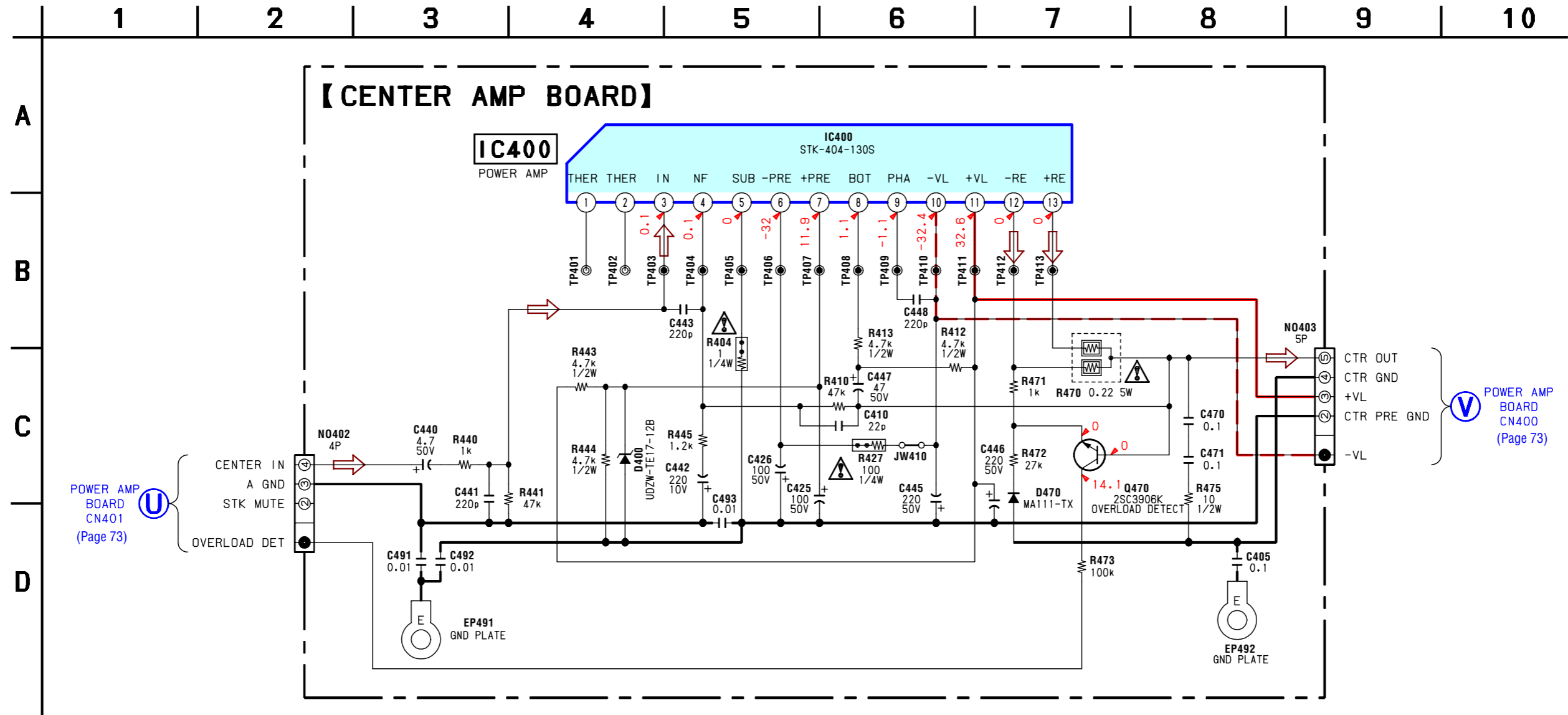
7-30. SCHEMATIC DIAGRAM – VR Section – • See page 89 for IC Block Diagrams.



7-31. PRINTED WIRING BOARD – CENTER AMP Section – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.

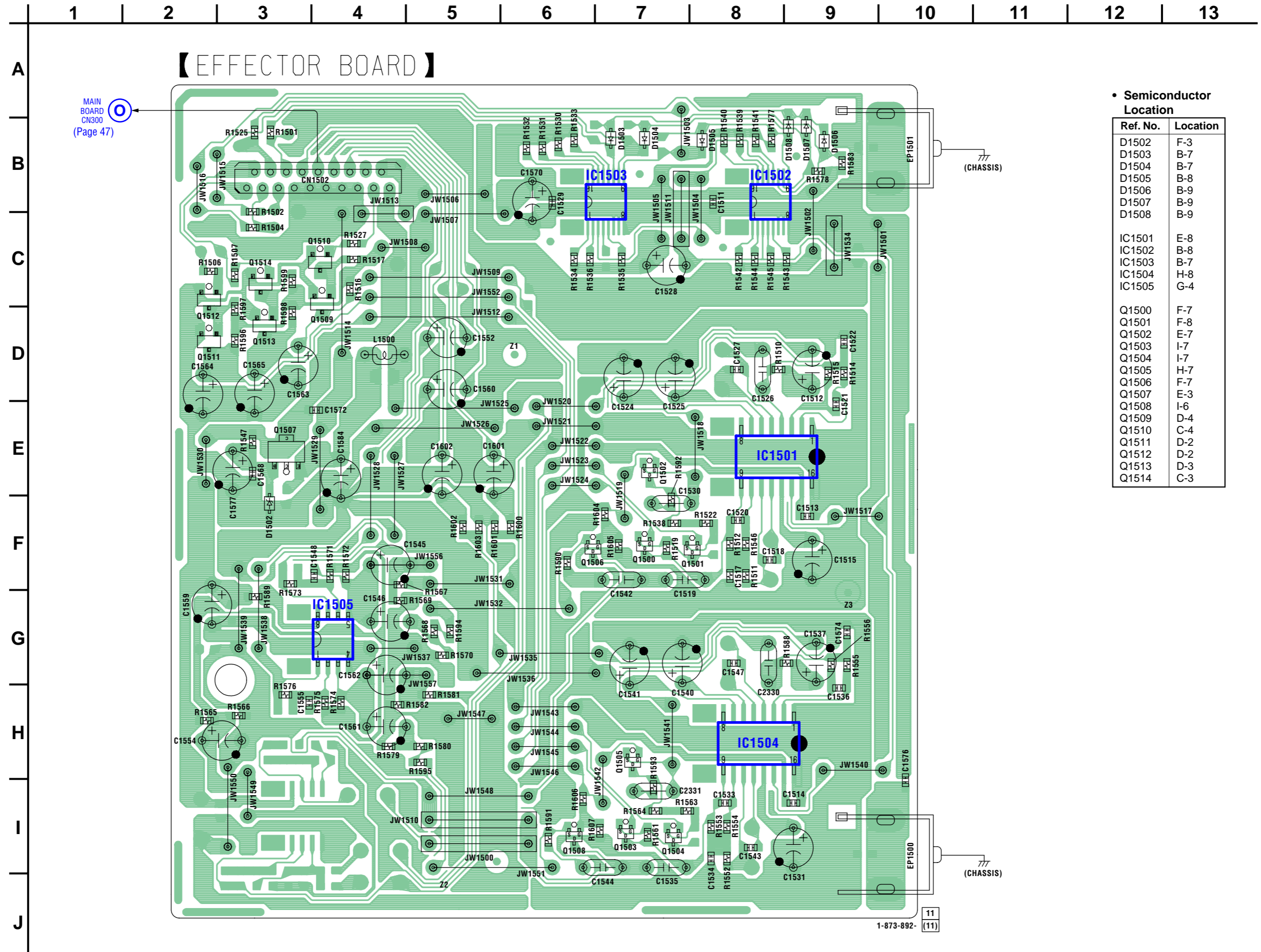


7-32. SCHEMATIC DIAGRAM – CENTER AMP Section –




POWER AMP BOARD CN400 (Page 73)

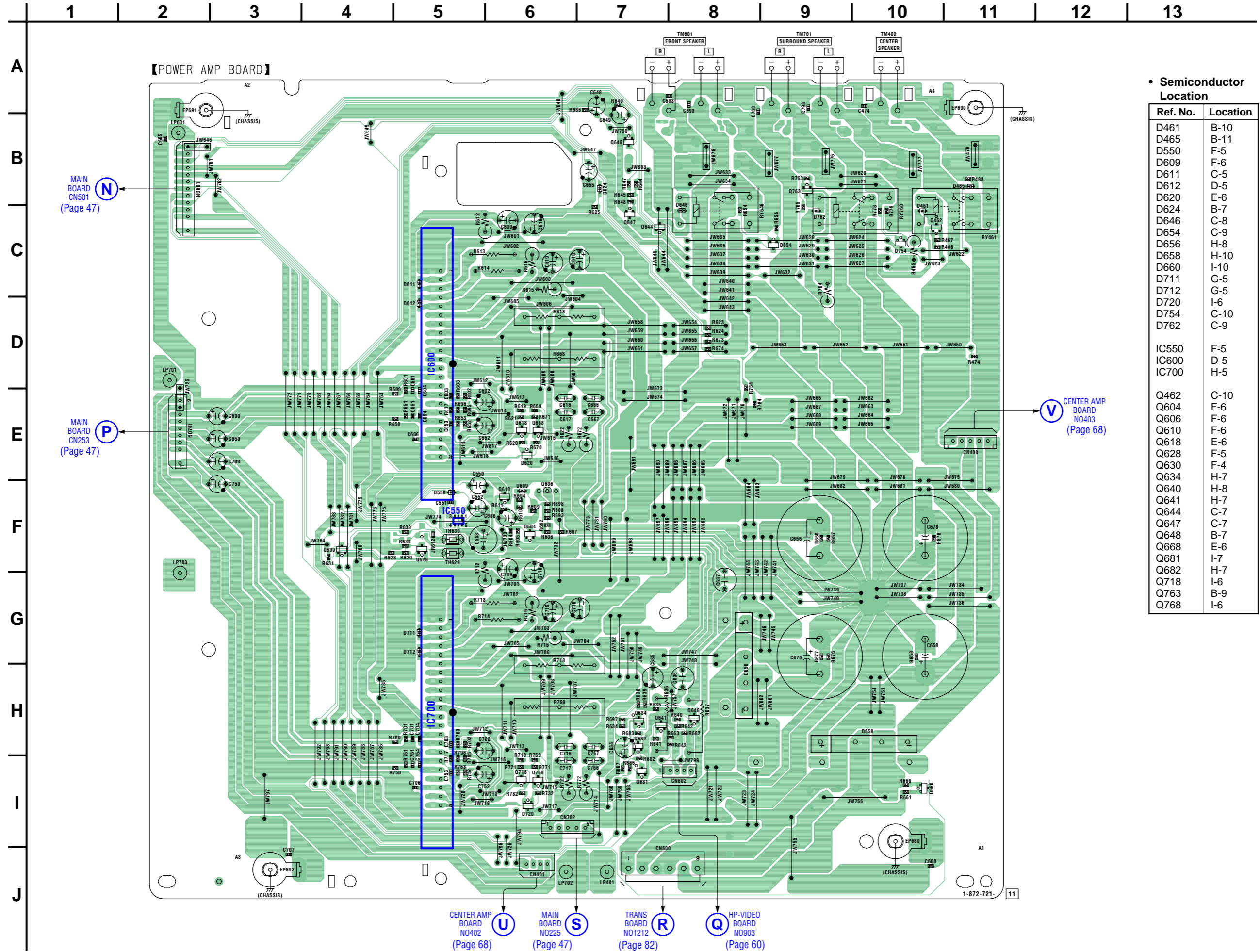
7-33. PRINTED WIRING BOARD – EFFECTOR Section – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D1502	F-3
D1503	B-7
D1504	B-7
D1505	B-8
D1506	B-9
D1507	B-9
D1508	B-9
IC1501	E-8
IC1502	B-8
IC1503	B-7
IC1504	H-8
IC1505	G-4
Q1500	F-7
Q1501	F-8
Q1502	E-7
Q1503	I-7
Q1504	I-7
Q1505	H-7
Q1506	F-7
Q1507	E-3
Q1508	I-6
Q1509	D-4
Q1510	C-4
Q1511	D-2
Q1512	D-2
Q1513	D-3
Q1514	C-3

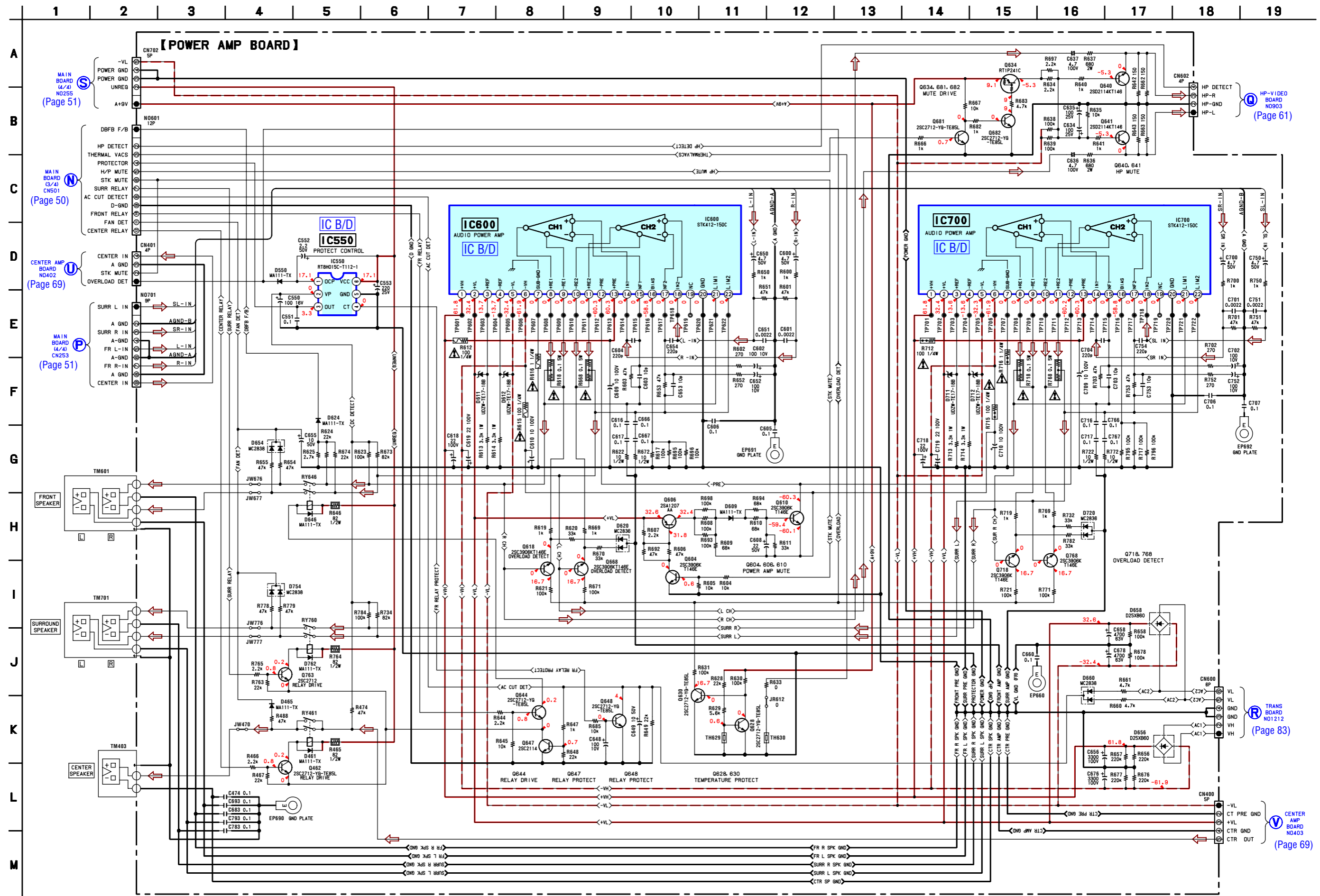
7-35. PRINTED WIRING BOARD – POWER AMP Section – See page 44 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D461	B-10
D465	B-11
D550	F-5
D609	F-6
D611	C-5
D612	D-5
D620	E-6
D624	B-7
D646	C-8
D654	C-9
D656	H-8
D658	H-10
D660	I-10
D711	G-5
D712	G-5
D720	I-6
D754	C-10
D762	C-9
IC550	F-5
IC600	D-5
IC700	H-5
Q462	C-10
Q604	F-6
Q606	F-6
Q610	F-6
Q618	E-6
Q628	F-5
Q630	F-4
Q634	H-7
Q640	H-8
Q641	H-7
Q644	C-7
Q647	C-7
Q648	B-7
Q668	E-6
Q681	I-7
Q682	H-7
Q718	I-6
Q763	B-9
Q768	I-6

7-36. SCHEMATIC DIAGRAM – POWER AMP Section – See page 85 for IC Block Diagrams.



HP-V VIDEO BOARD N0903 (Page 61)

MAIN BOARD (3/A) N0255 (Page 51)

MAIN BOARD (4/A) CNS01 (Page 50)

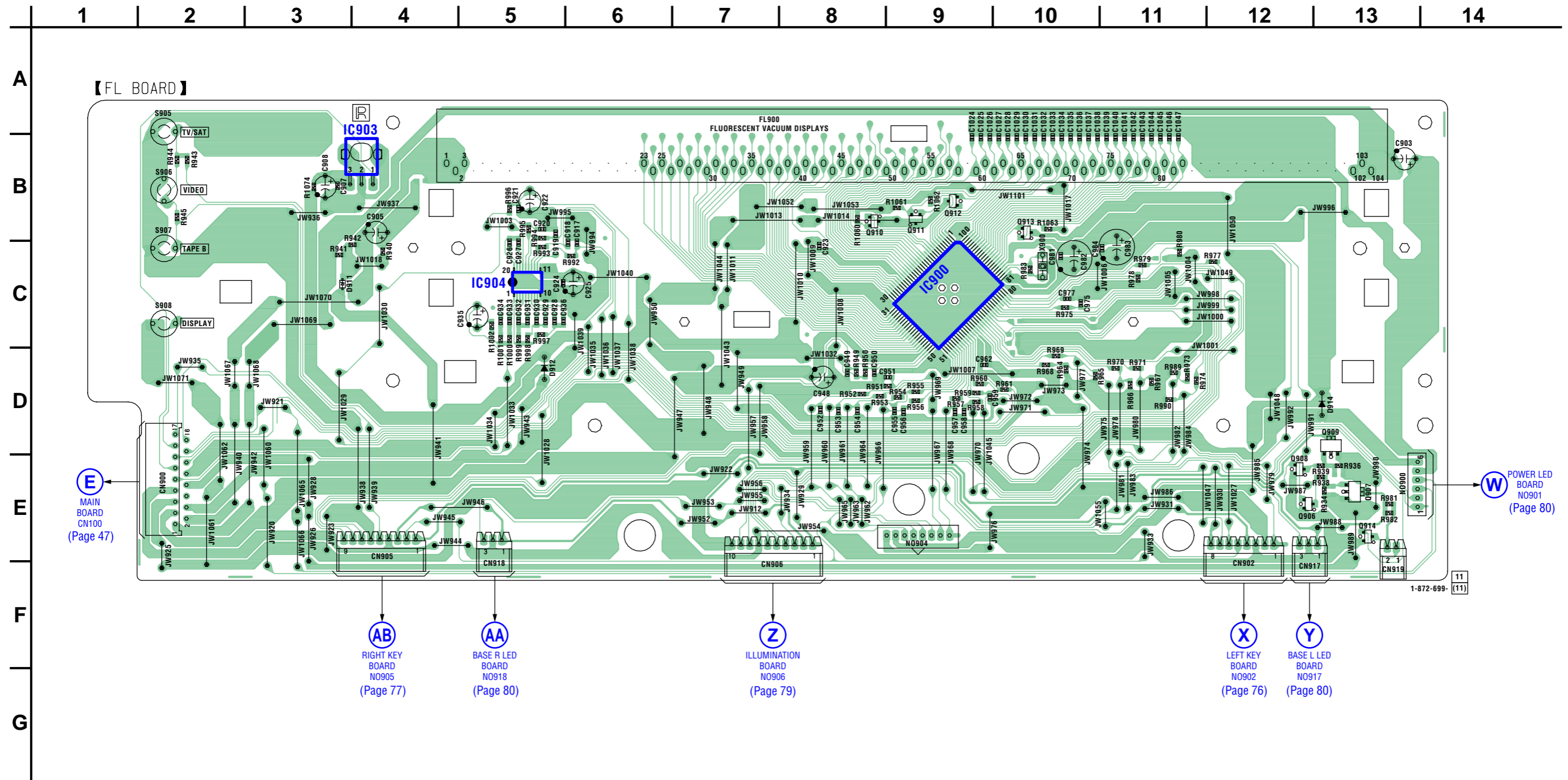
CENTER AMP BOARD N0402 (Page 69)

MAIN BOARD (4/A) CN253 (Page 51)

TRANS BOARD N01212 (Page 83)

CENTER AMP BOARD N0403 (Page 69)

7-37. PRINTED WIRING BOARD – FL Section – See page 44 for Circuit Boards Location.  : Uses unleaded solder.

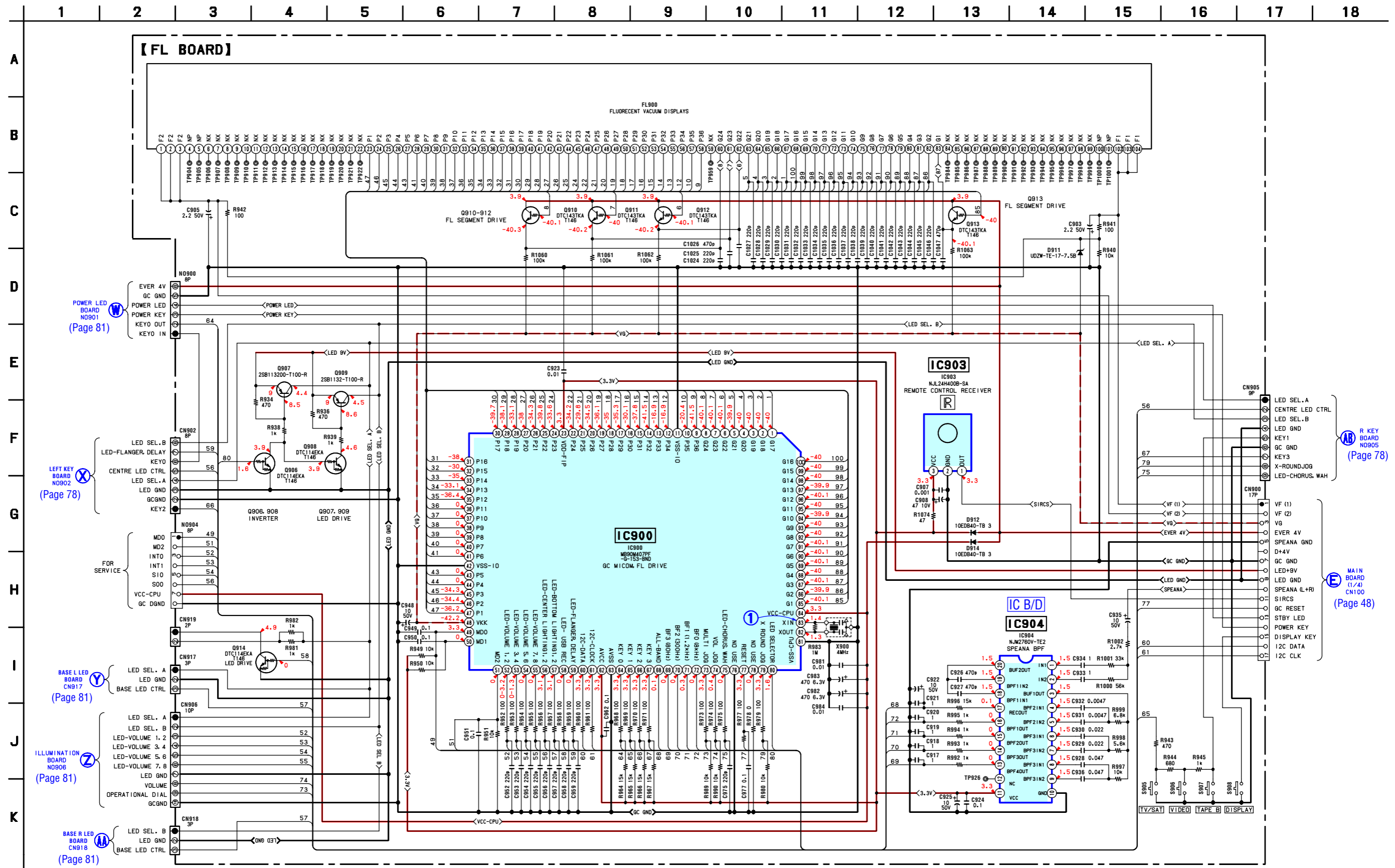


• Semiconductor Location

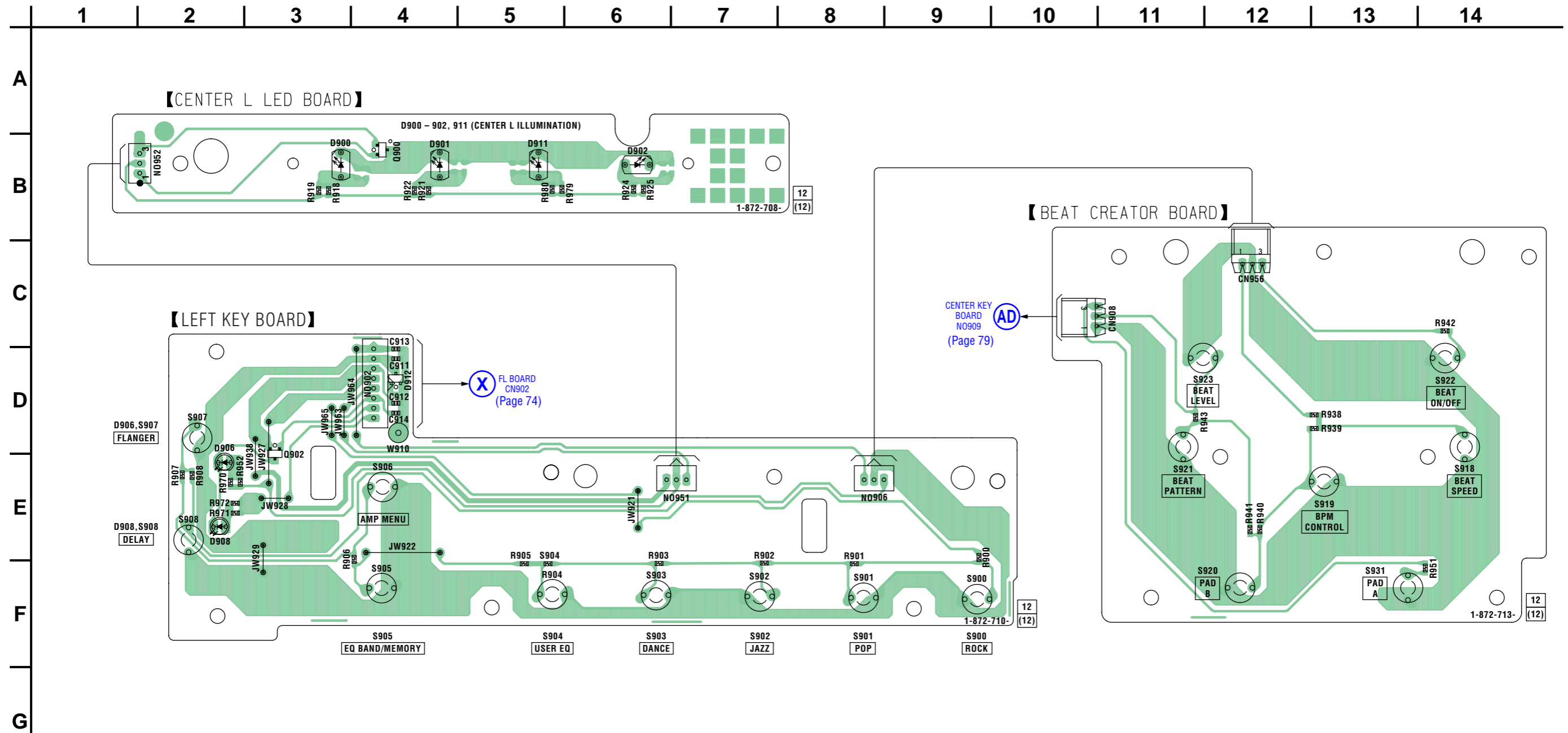
Ref. No.	Location	Ref. No.	Location
D911	C-3	Q907	E-13
D912	D-5	Q908	E-12
D914	D-13	Q909	D-13
		Q910	B-8
IC900	C-9	Q911	B-9
IC903	B-4	Q912	B-9
IC904	C-5	Q913	B-10
		Q914	E-13
Q906	E-12		

7-38. SCHEMATIC DIAGRAM – FL Section –

- See page 43 for Waveform.
- See page 90 for IC Block Diagram.
- See page 99 for IC Pin Description of IC900.



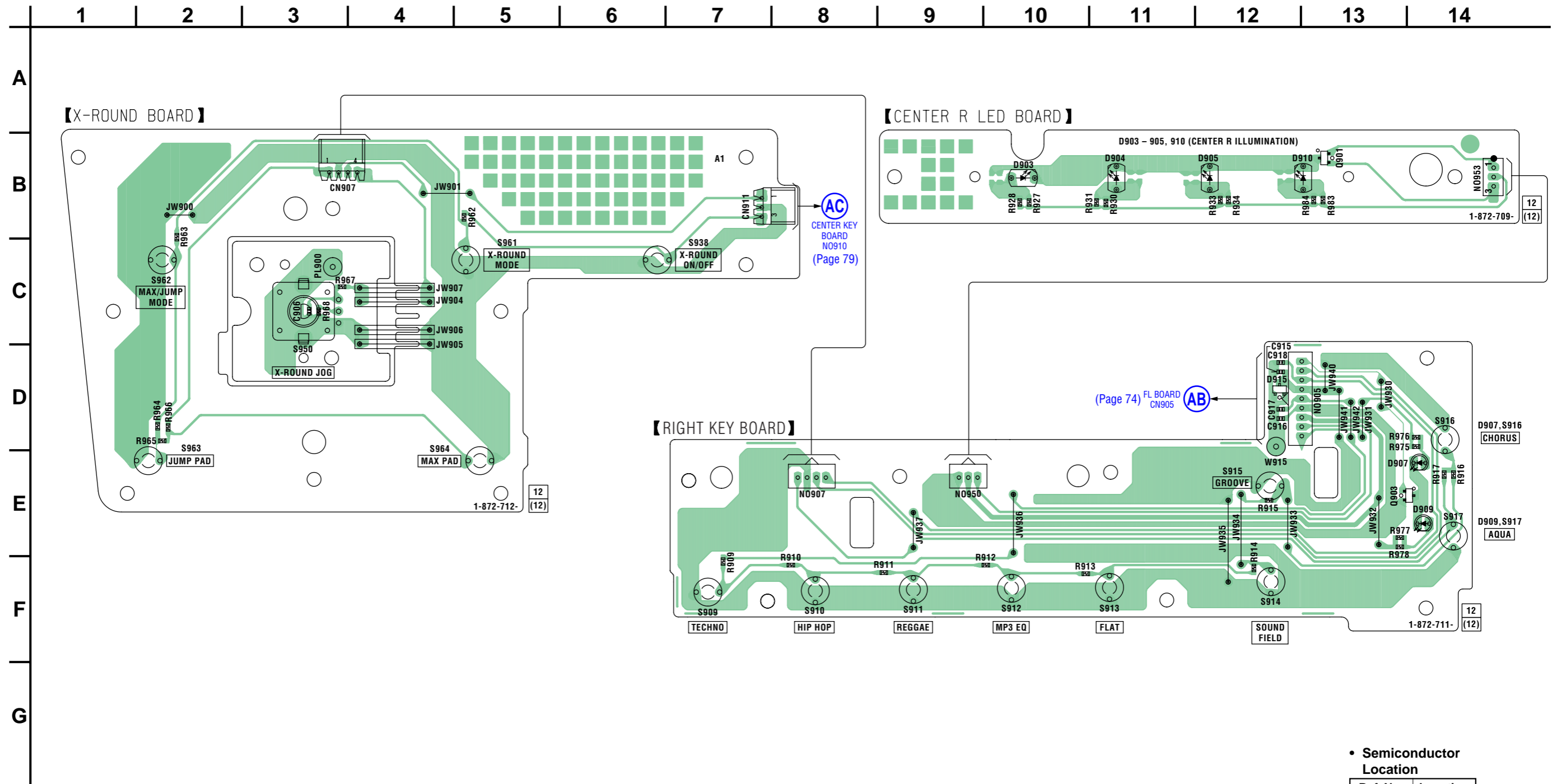
7-39. PRINTED WIRING BOARDS – KEY Section (1/2) – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D900	B-3
D901	B-4
D902	B-6
D906	D-2
D908	E-2
D911	B-5
D912	D-4
Q900	B-4
Q902	D-3

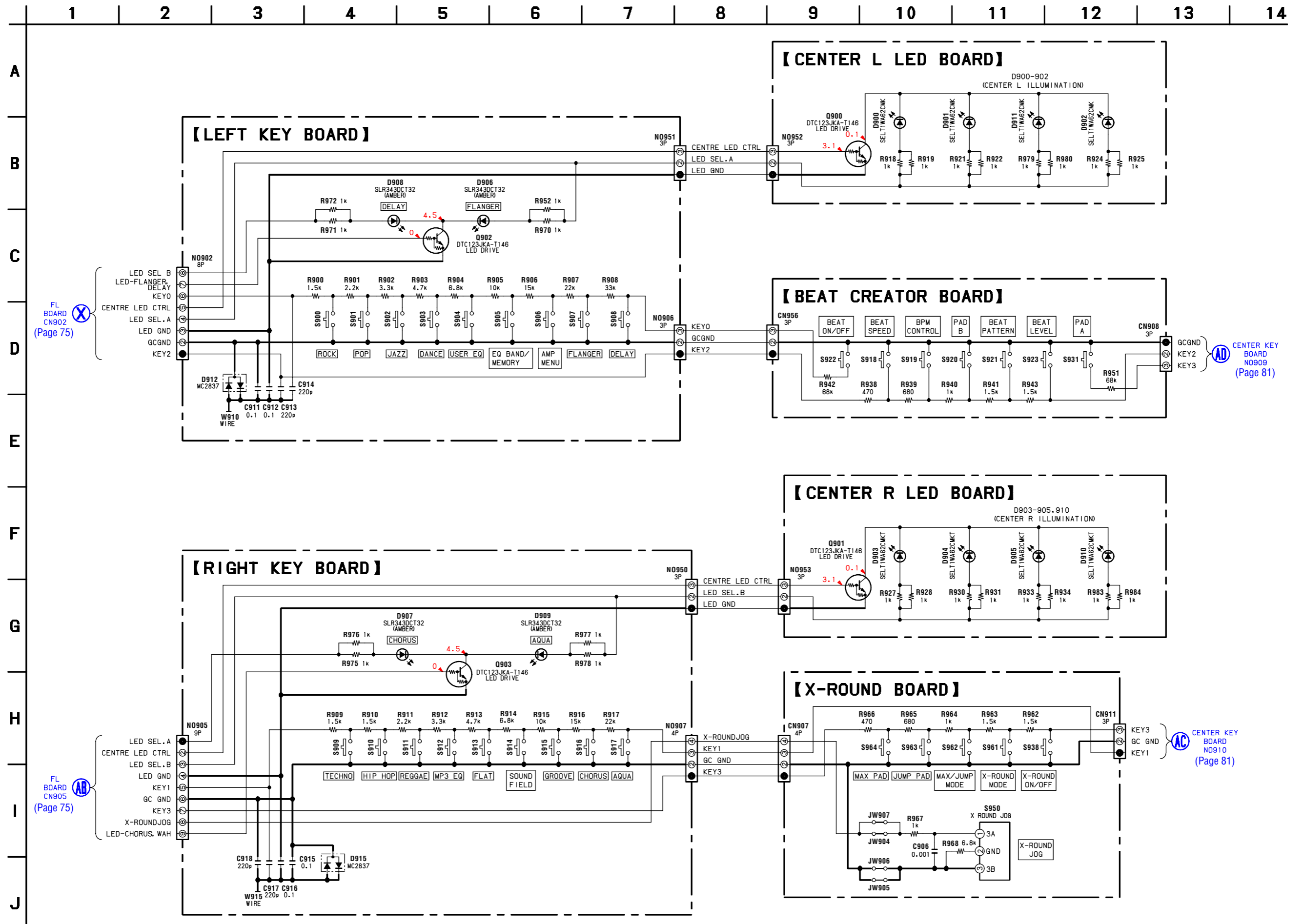
7-40. PRINTED WIRING BOARDS – KEY Section (2/2) – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.



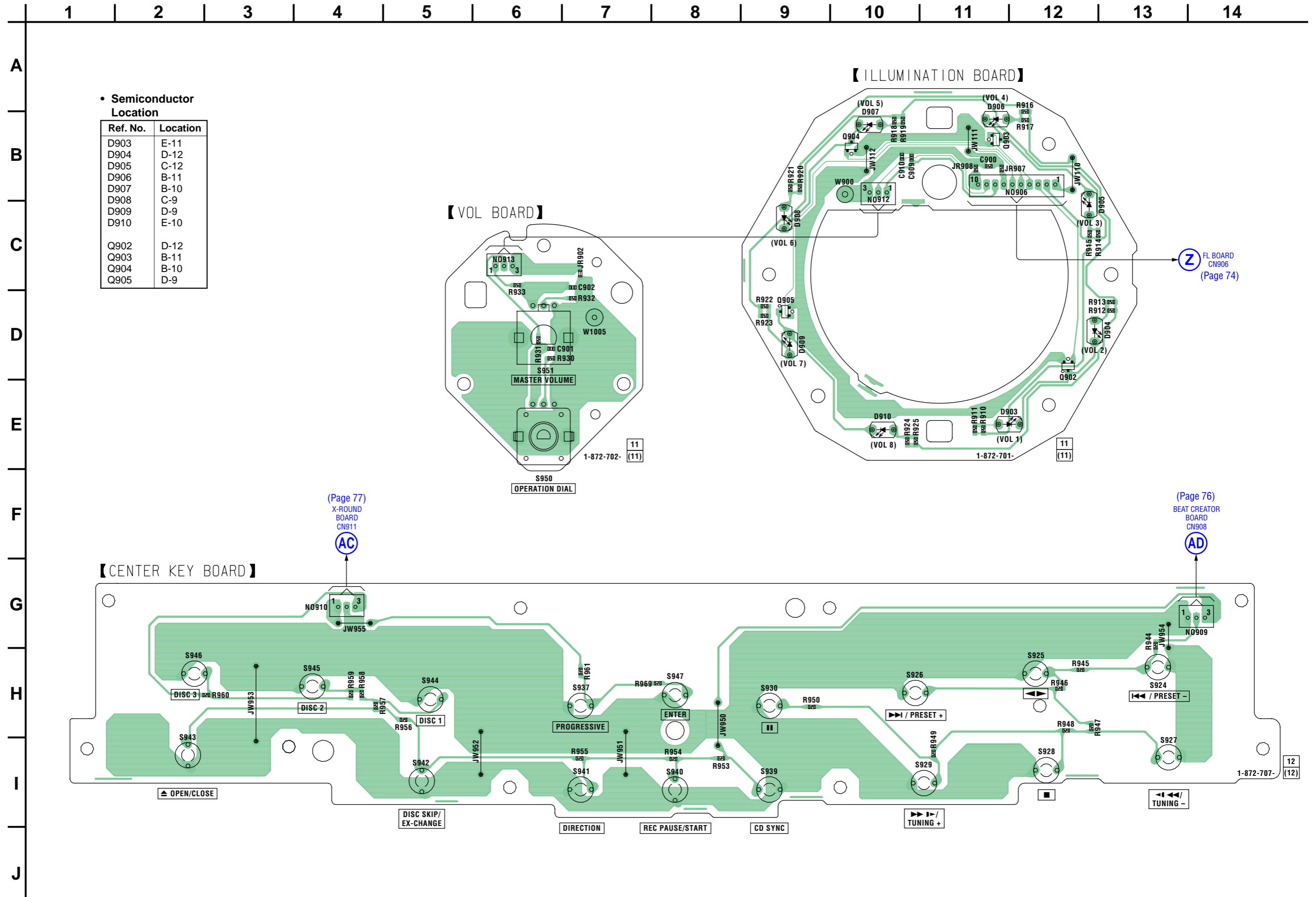
• Semiconductor Location

Ref. No.	Location
D903	B-10
D904	B-11
D905	B-12
D907	E-14
D909	E-14
D910	B-13
D915	D-12
Q901	B-13
Q903	E-13

7-41. SCHEMATIC DIAGRAM – KEY Section –



7-42. PRINTED WIRING BOARDS – LED Section (1/2) – See page 44 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

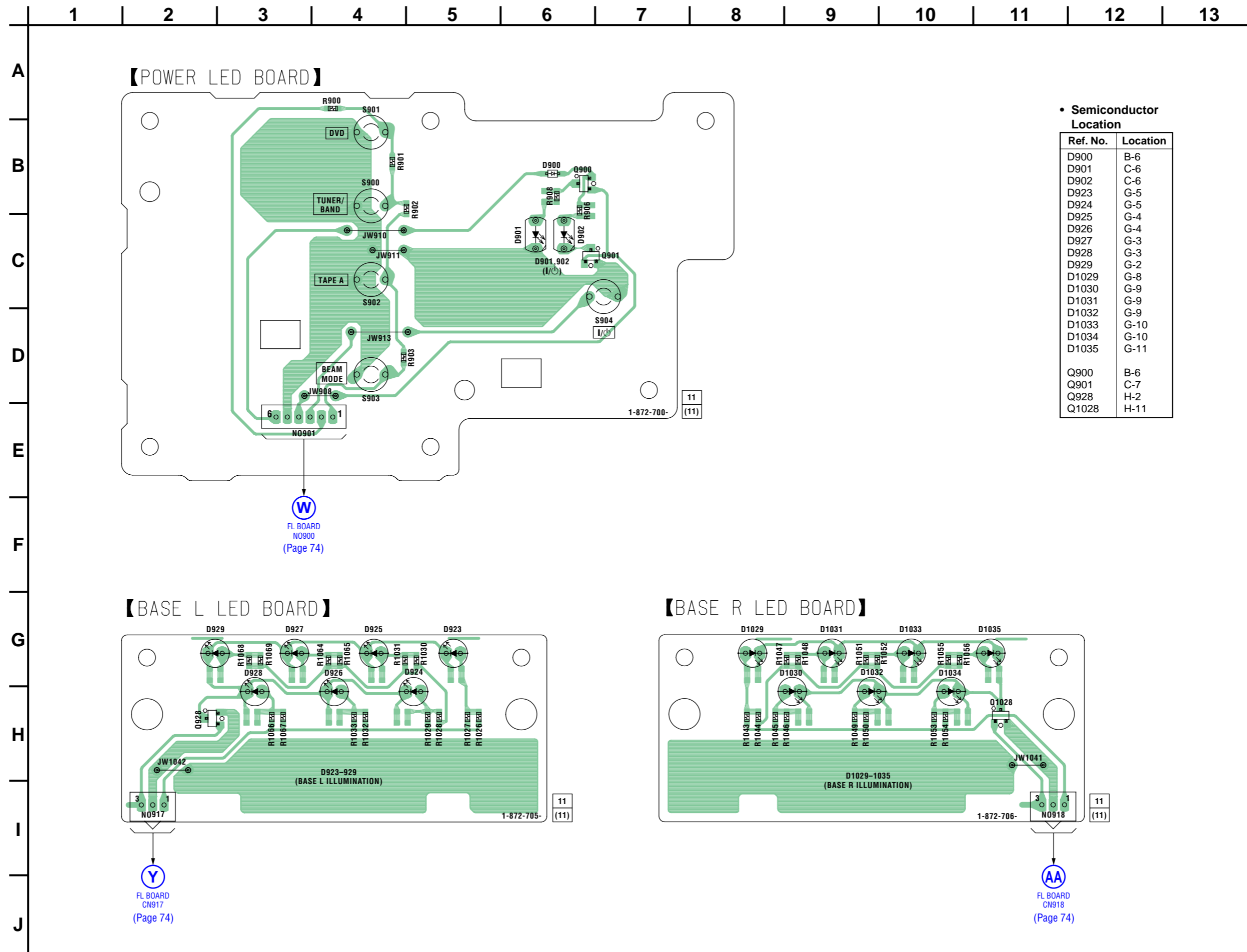
Ref. No.	Location
D903	E-11
D904	D-12
D905	C-12
D906	B-11
D907	B-10
D908	C-9
D909	D-9
D910	E-10
Q902	D-12
Q903	B-11
Q904	B-10
Q905	D-9

(Page 77)
X-ROUND BOARD
CN911
(AC)

(Page 76)
BEAT CREATOR BOARD
CN908
(AD)

(Z) FL BOARD
CN906
(Page 74)

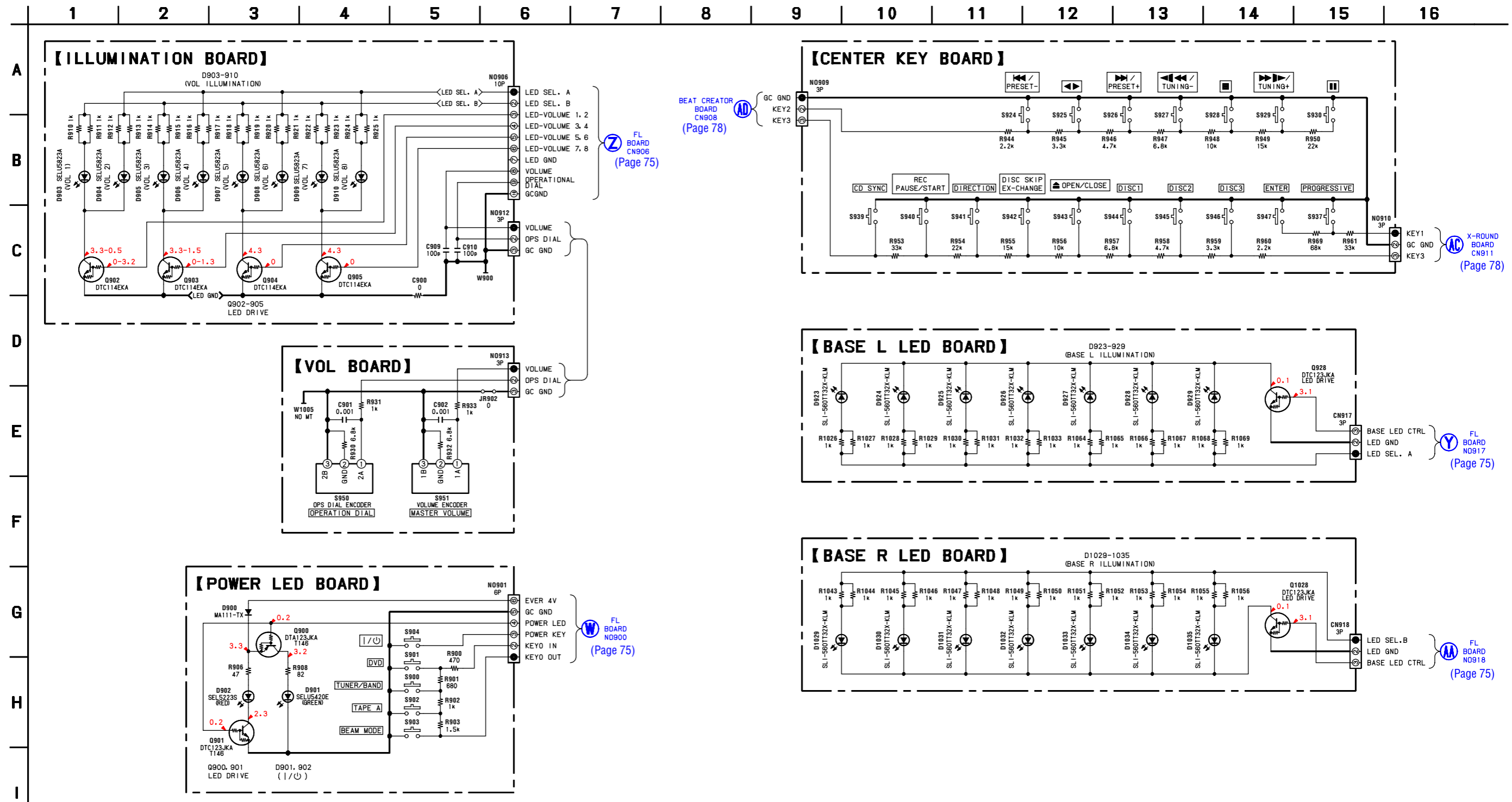
7-43. PRINTED WIRING BOARDS – LED Section (2/2) – See page 44 for Circuit Boards Location.  : Uses unleaded solder.




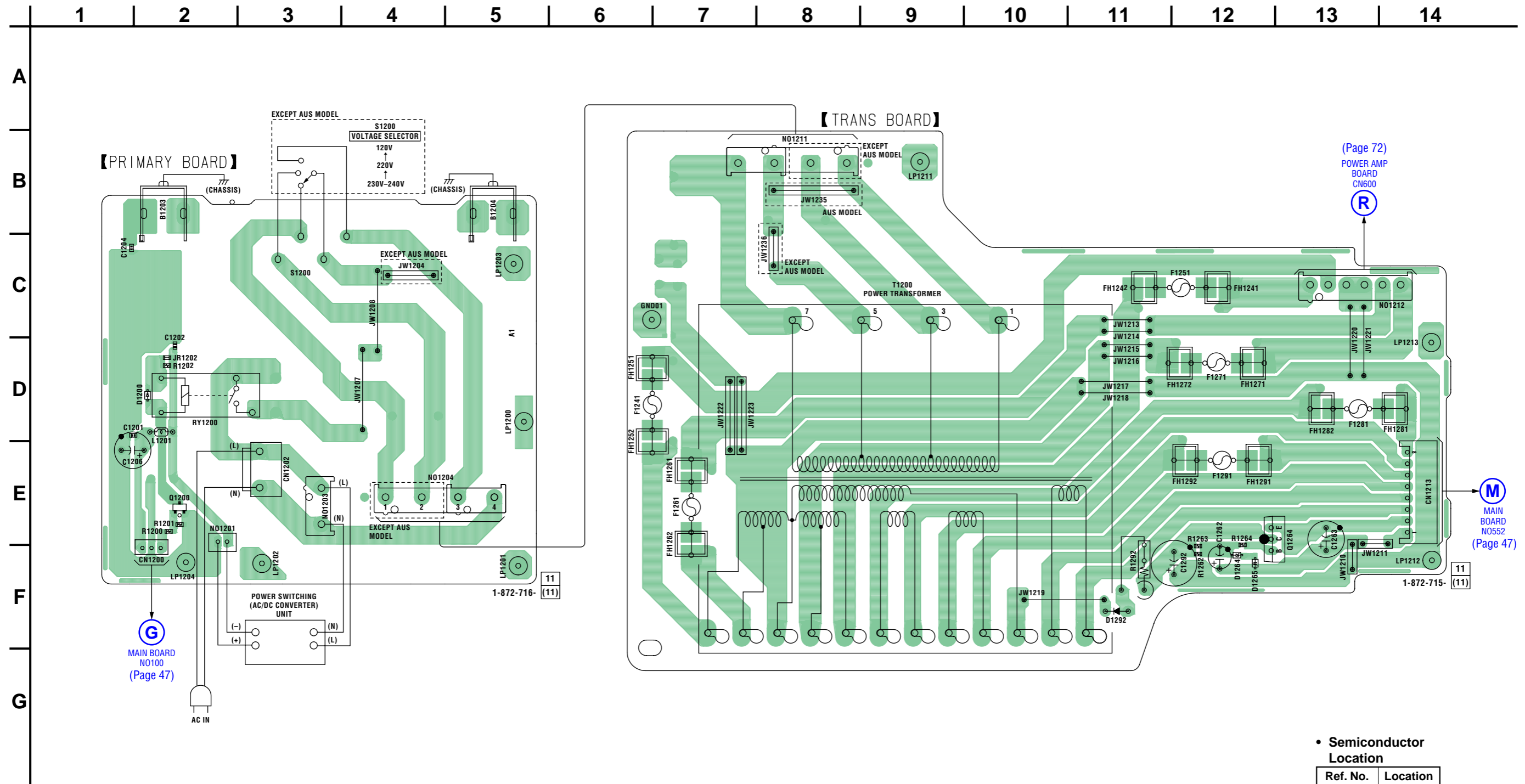
• Semiconductor Location

Ref. No.	Location
D900	B-6
D901	C-6
D902	C-6
D923	G-5
D924	G-5
D925	G-4
D926	G-4
D927	G-3
D928	G-3
D929	G-2
D1029	G-8
D1030	G-9
D1031	G-9
D1032	G-9
D1033	G-10
D1034	G-10
D1035	G-11
Q900	B-6
Q901	C-7
Q928	H-2
Q1028	H-11

7-44. SCHEMATIC DIAGRAM – LED Section –



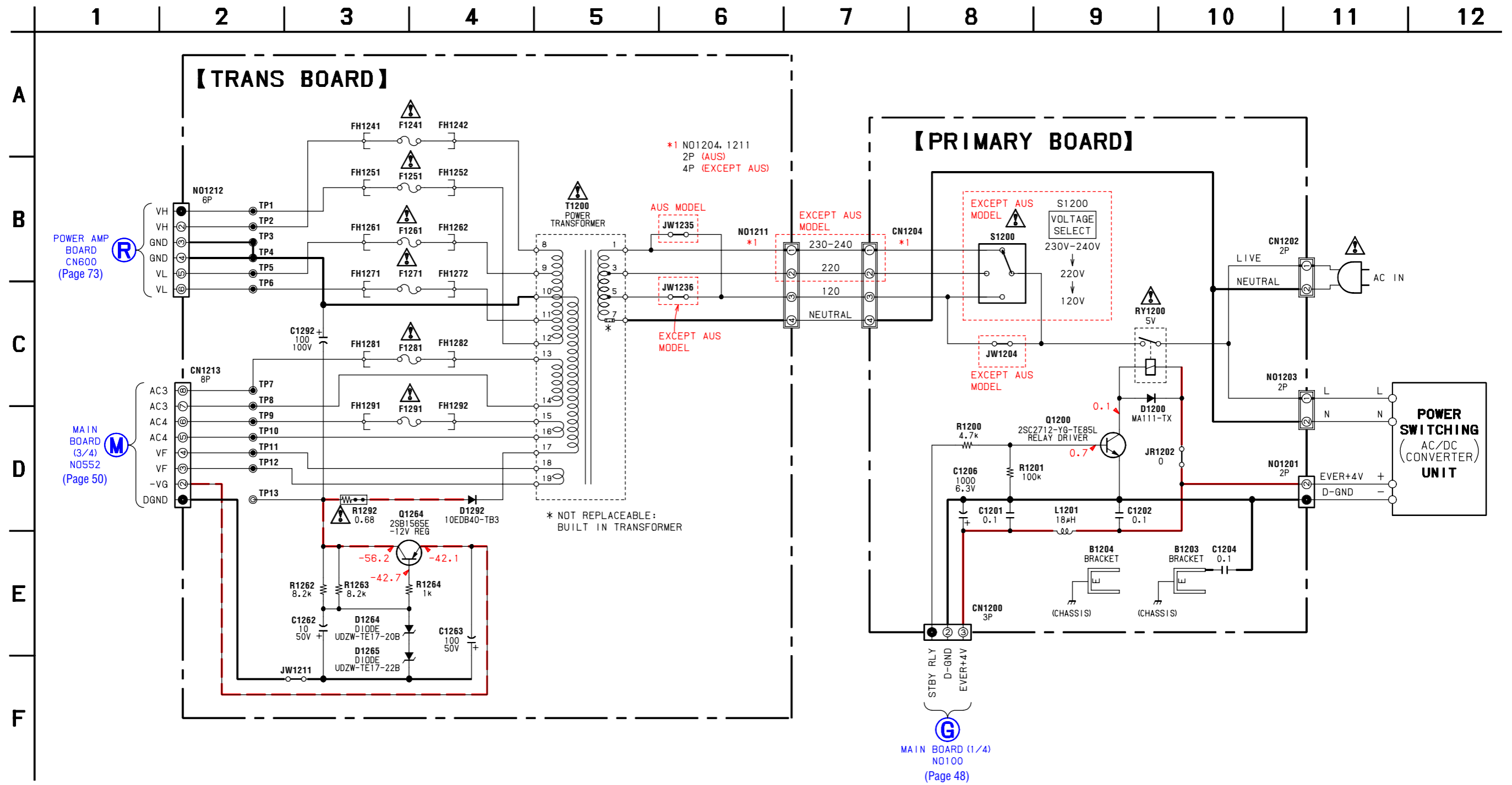
7-45. PRINTED WIRING BOARDS – POWER Section – • See page 44 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

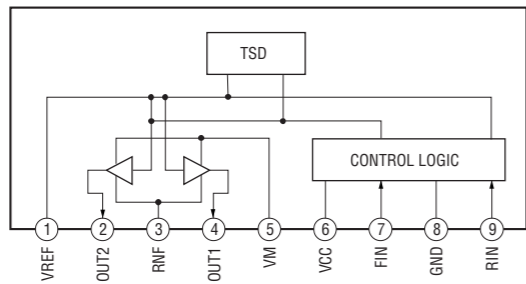
Ref. No.	Location
D1200	D-2
D1264	F-12
D1265	F-12
D1292	F-11
Q1200	E-2
Q1264	E-13

7-46. SCHEMATIC DIAGRAM – POWER Section –

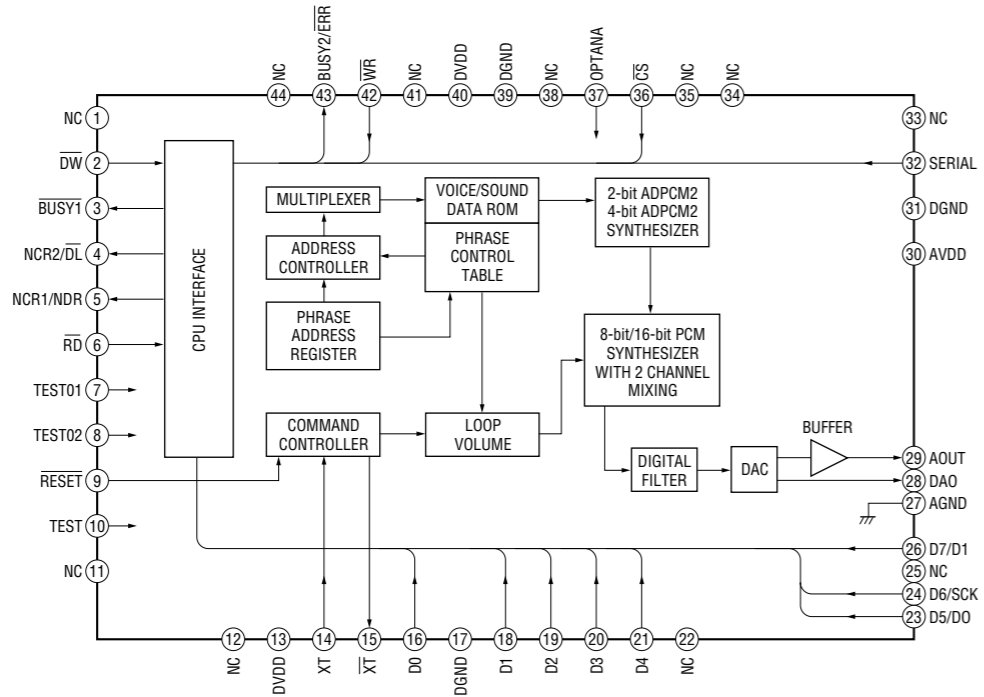


• IC Block Diagrams

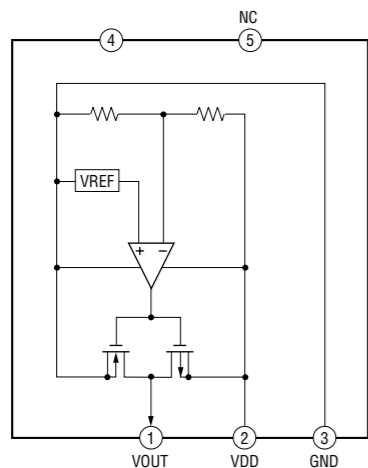
IC701 BA6956AN (DRIVER Board)
IC712 BA6956AN (DRIVER Board)



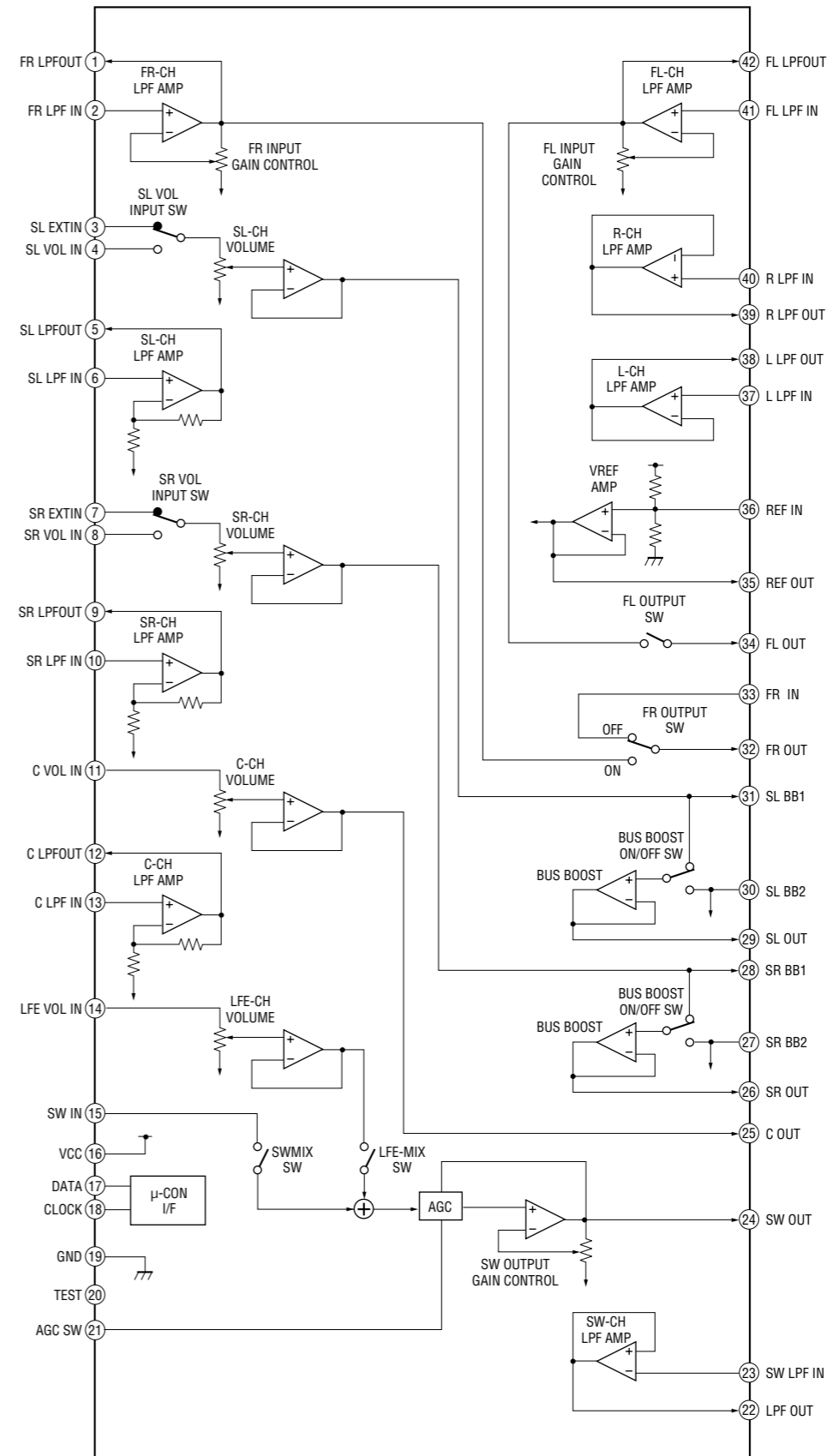
IC120 ML2252-254GAZ03A (MAIN Board (1/4))



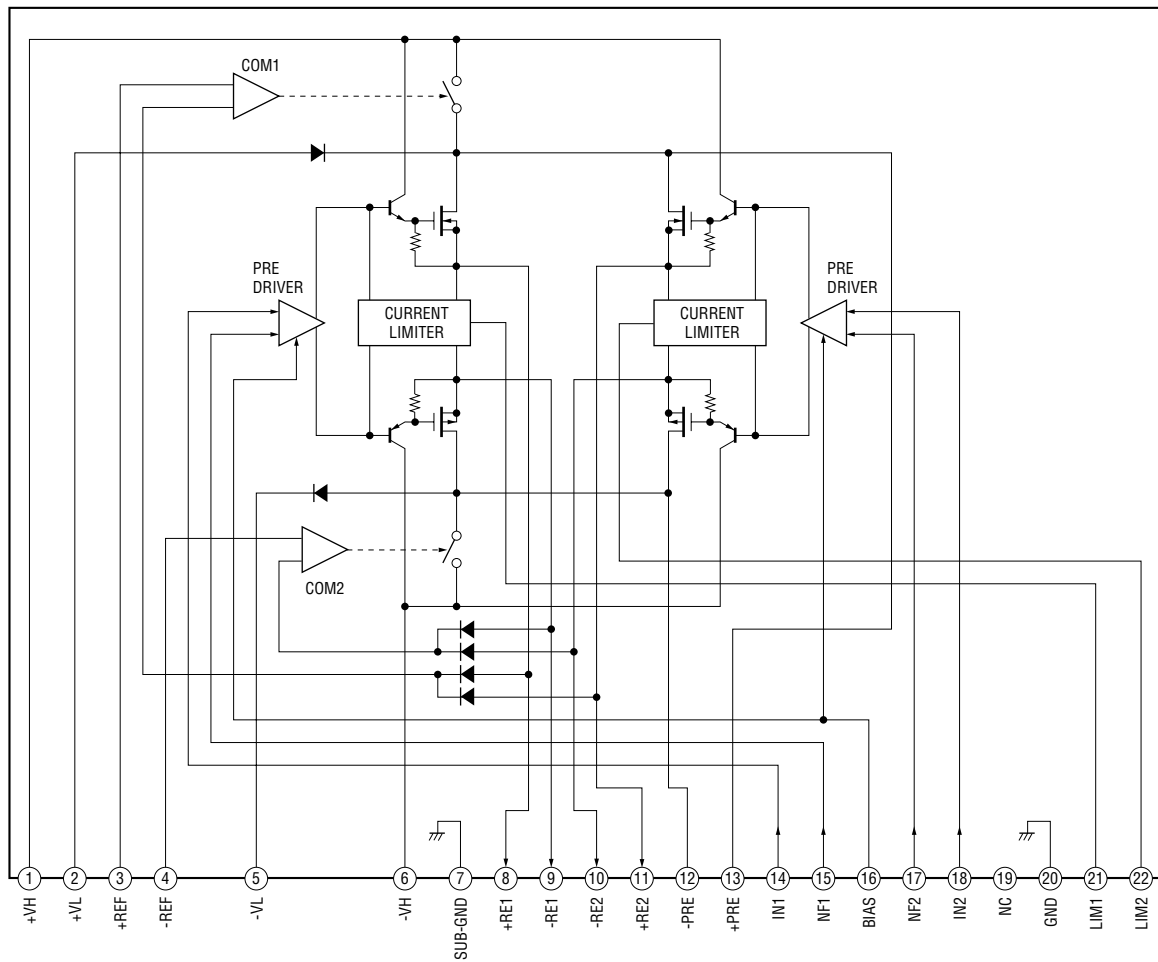
IC202 BD4929G-TR (MAIN Board (1/4))



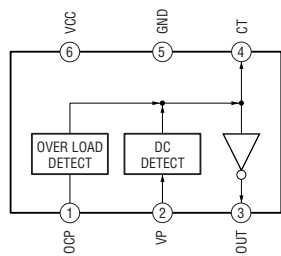
IC201 M61530FP-D60G (MAIN Board (4/4))



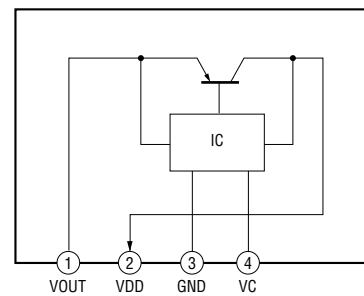
IC600 STK412-150C (POWER AMP Board)
 IC700 STK412-150C (POWER AMP Board)



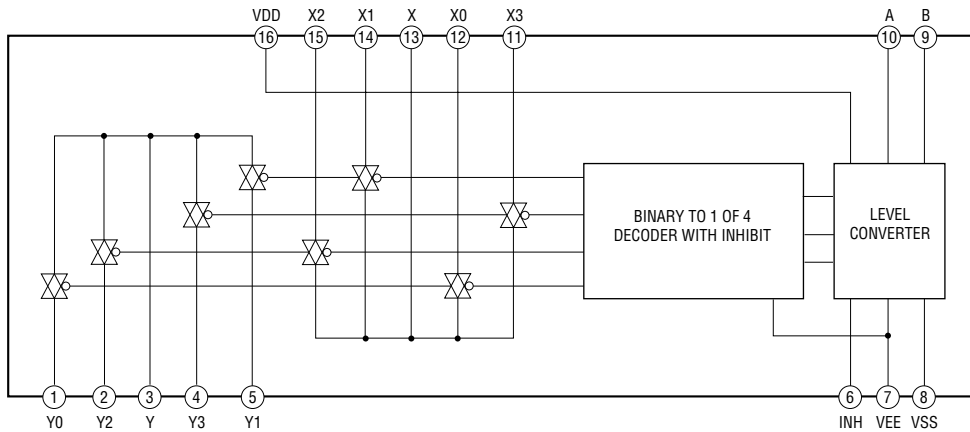
IC550 RT8H015C-T112-1 (POWER AMP Board)



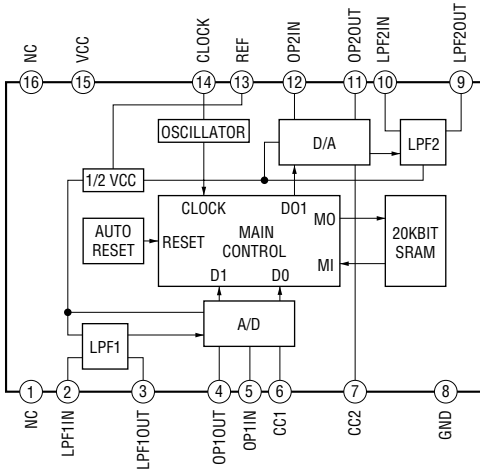
IC552 PQ09RD21J00H (MAIN Board (3/4))
 IC553 PQ05RD11J00H (MAIN Board (3/4))



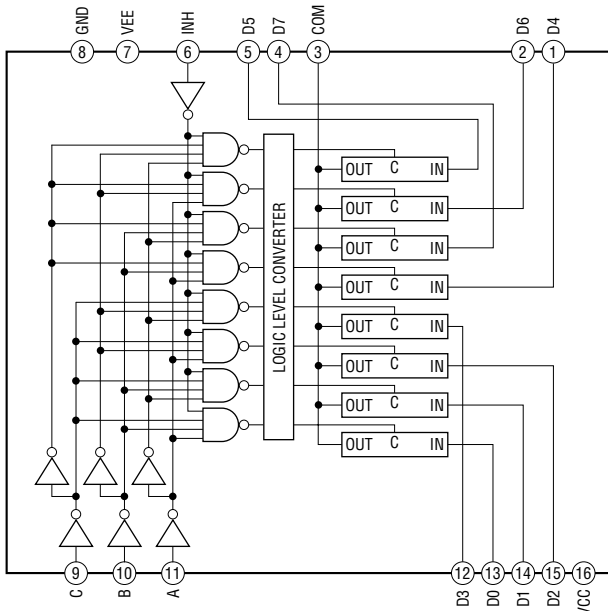
IC500 BU4052BCF-E2 (MAIN Board (4/4))
 IC501 BU4052BCF-E2 (MAIN Board (4/4))



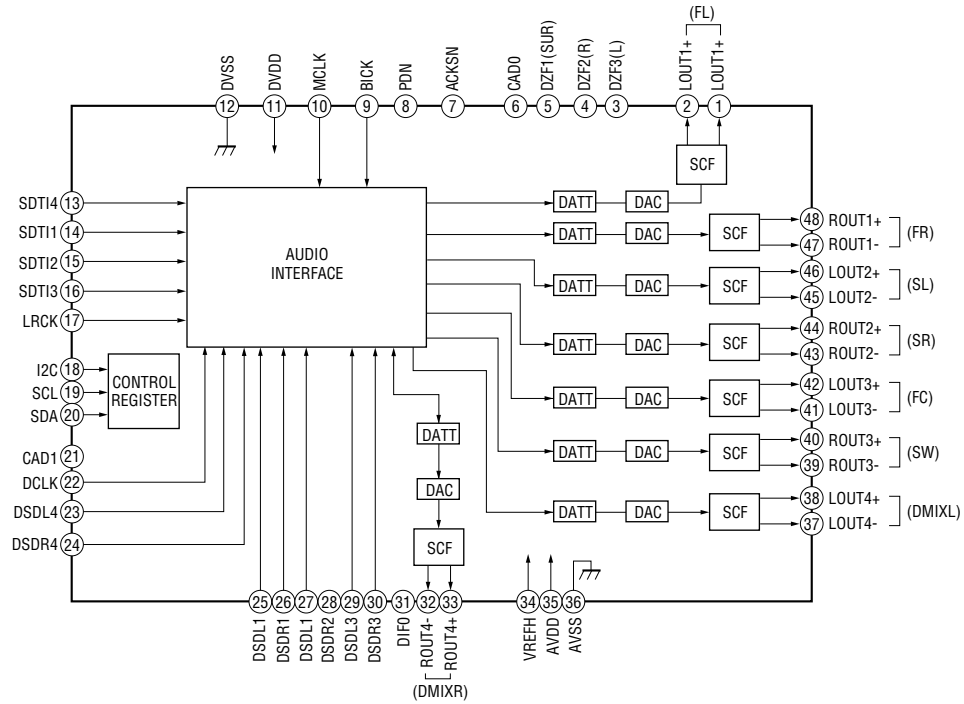
IC1501 M65850FP-E1 (EFFECTOR Board)
 IC1504 M65850FP-E1 (EFFECTOR Board)



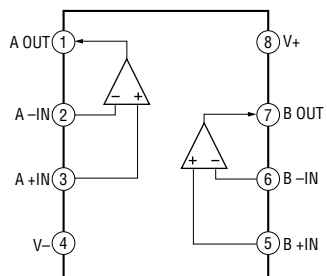
IC1502 TC74LVX4051FT (EFFECTOR Board)
 IC1503 TC74LVX4051FT (EFFECTOR Board)



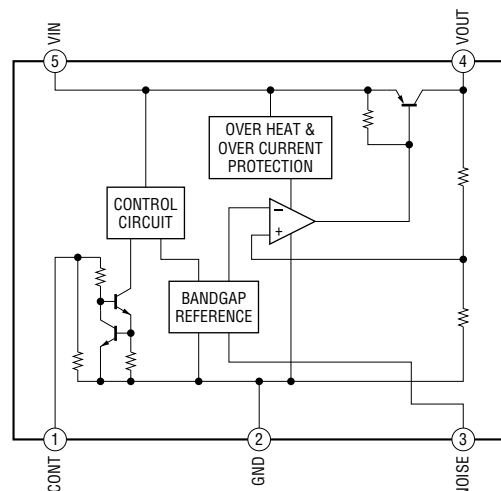
IC301 AK4358VQ-L (DMB16 Board (2/6))



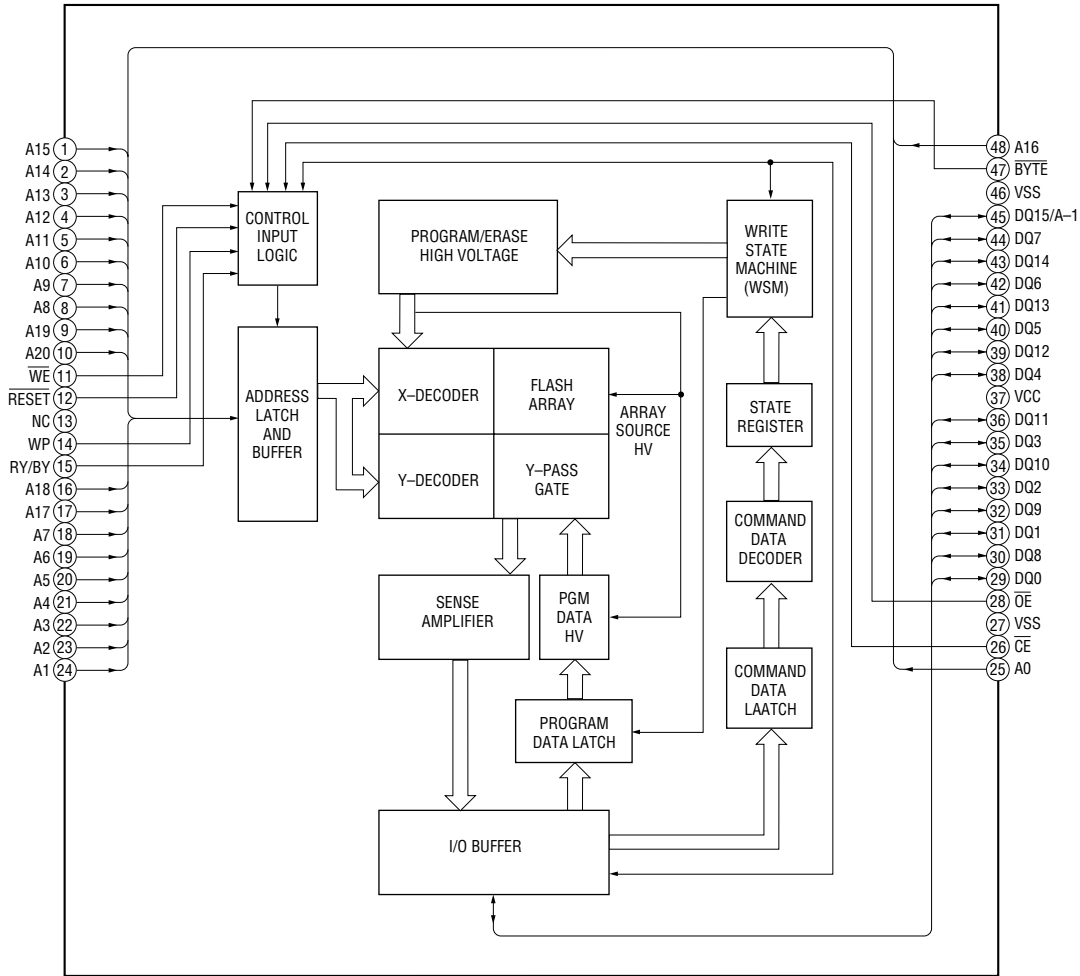
IC3711 NJM3414AV(TE2)
IC3731 NJM3414AV(TE2)
IC3751 NJM3414AV(TE2)
IC3771 NJM3414AV(TE2)
(DMB16 Board (2/6))



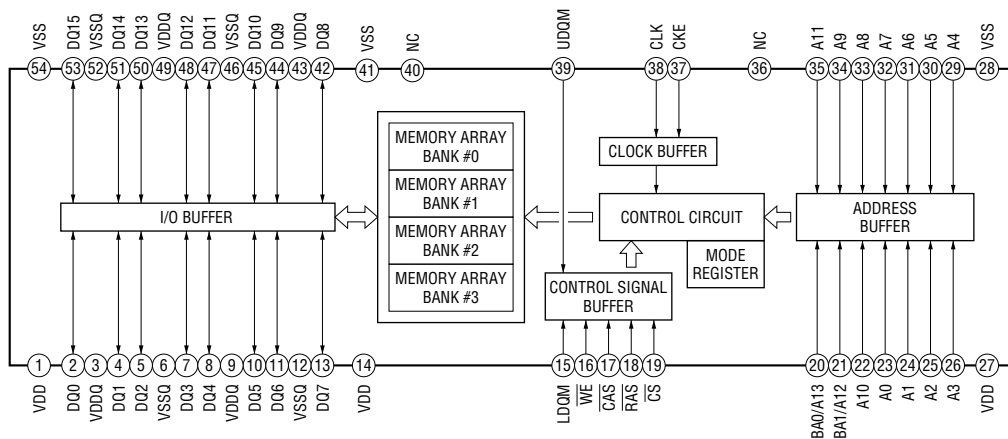
IC107 TK11133CSCL-G (DMB16 Board (3/6))
IC105 TK11133CSCL-G (DMB16 Board (5/6))



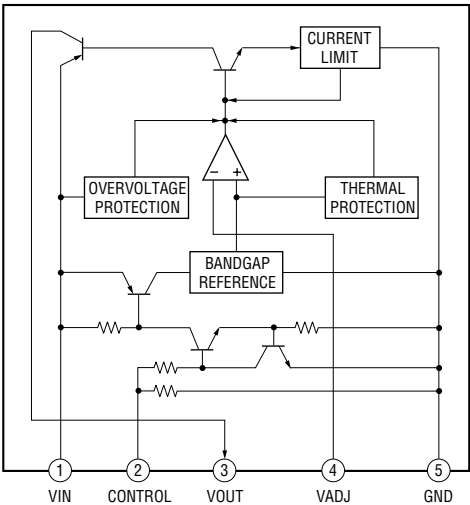
- IC101 MX29LV320CBTC70-CBA3-0701CE (DMB16 Board (5/6))
- IC101 MX29LV320CBTC70-CBA3-0701GA (DMB16 Board (5/6))
- IC101 MX29LV320CBTC70-CBA3-0701UC (DMB16 Board (5/6))



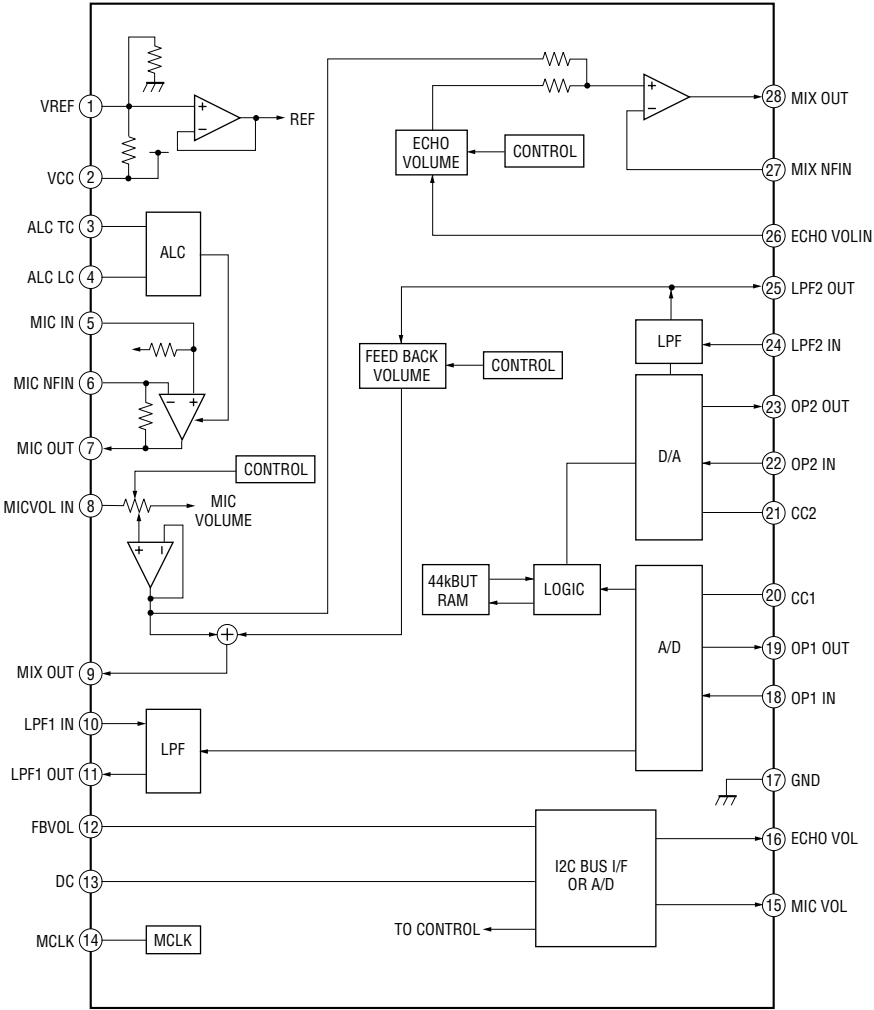
IC104 A2V64S40CTP-G75 (DMB16 Board (5/6))



IC106 NJM2387ADL3(TE2) (DMB16 Board (5/6))



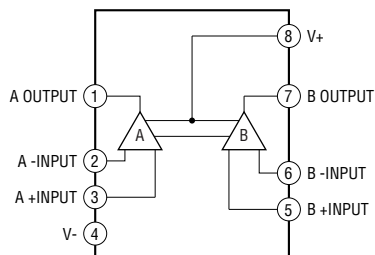
IC507 R2A15906SP (VR Board)



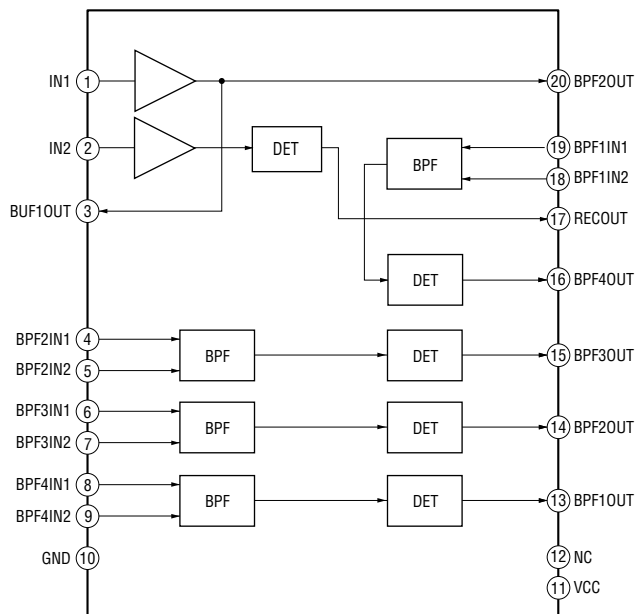
IC1505 NJM4565M(TE2) (EFFECTOR Board)

IC506 NJM4565M(TE2) (VR Board)

IC905 NJM4565M(TE2) (MIC Board)



IC904 NJM2760V-TE2 (FL Board)



• IC Pin Descriptions

IC100 M30622MEP-B18FPU0 (SYSTEM CONTROL) (MAIN BOARD (1/4))

Pin No.	Pin Name	I/O	Pin Description
1	ML2252-NCR1	I	Channel 1 Next Command Ready status signal input from digital synthesizer ML2252 "H": Ready
2	ML2252-BUSY2	I	Channel 2 playback status signal from digital synthesis ML2252 "H": Playback stop
3	SURR_RELAY	O	Relay drive signal output for the surround speakers "H": relay on
4	SIRCS	I	Remote control signal input
5	ML2252-DATA OUT	O	Serial data output to digital synthesizer ML2252
6	ML2252-NCR2	I	Channel 2 Next Command Ready status signal input from digital synthesizer ML2252 "H": Ready
7	ML2252-CLK	O	Serial data transfer clock signal output to digital synthesizer ML2252
8	BYTE	—	Not used. (Connected to ground)
9	CNVSS	—	Ground
10	XC-IN	I	Sub system clock input terminal (32.768kHz)
11	XC-OUT	O	Sub system clock output terminal (32.768kHz)
12	RESET	I	System reset signal input
13	X-OUT	O	Main system clock output terminal (5MHz)
14	VSS	—	Ground
15	X-IN	I	Main system clock input terminal (5MHz)
16	VCC	—	Power supply (+3.3V)
17	NMI	I	Non-maskable interrupt input (Pull up)
18	CD_BUS1/V-MUTE	O	Video muting signal output
19	SBSY/V-OUT_SW	O	Composite video output select signal output "L": DVD "H": VIDEO IN
20	AC_CUT	I	AC off detection signal input
21	CD_BUS2/ MIC_DETECT	I	MIC 1 or MIC 2 connection signal input
22	CD_BUS3/ CTR-RELAY	O	Relay drive signal output for the center speaker "H": relay on
23	CD_BUCK/ MTK-KRMOB	I	Karaoke mode detection signal input
24	CD_CCE/SW_MUTE	O	Subwoofer muting signal output
25	CD_REQ/ ANALOG_IN_MUTE	O	DVD audio muting signal output
26	STBY-RELAY	O	Main power on/off control signal output "H": power on
27	CD_A-MUTE/ DVD_A-MUTE	O	DVD audio muting signal output
28	CD_POWER/ MTK_POWER	O	Power control signal output "H": DVD power on
29	IIC-CLK	I/O	Clock signal for IIC communication input/output
30	IIC-DATA	I/O	Data signal for IIC communication input/output
31	[MTK-SIO] USB-POWER	O	Serial data signal output to DVD
32	[MTK-SOD] USB-SEL_SW	I	Serial data signal input from DVD
33	[MTK-CLK] USB-RST	I	Serial data clock signal input from DVD
34	[MIC-STATUS] USB-CTS0	O	Microphone status signal output to DVD
35	[MTK-BUSY] USB-TXD0	O	Communication Initialization Request Signal to DVD
36	[MTK-XIFCS] USB-RXD0	I	Communication Initialization Request Acknowledgement Signal from DVD

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Pin No.	Pin Name	I/O	Pin Description
37	OPEN-SW	I	Eject detection signal input from CDM
38	[MTK-RST] USB-RTS0	O	Reset signal output to DVD
39	TBL-SENSE	I	Disc tray position detection signal input from CDM
40	E-3	I	Disc tray status detection signal input from CDM
41	E-2	I	Disc tray status detection signal input from CDM
42	E-1	I	Disc tray status detection signal input from CDM
43	TMF	O	CDM turning motor control signal output
44	TMR	O	CDM turning motor control signal output
45	LMF	O	CDM loading motor control signal output
46	LMR	O	CDM loading motor control signal output
47	UNDER VOLTAGE	I	Under-voltage protection detection input
48	OVER VOLTAGE	I	Over-voltage protection detection input
49	SPEED FAN-HI	O	Fan speed control signal output "L": high speed
50	FR_RELAY	O	Relay drive signal output for the front speakers "H": relay on
51	STK-MUTE	O	Power amplifier on/off control signal output "H": amplifier on
52	H/P-MUTE	O	Headphone muting on/off control signal "L": muting on
53	PROTECTOR	I	Speaker protect detection signal input from speaker protect circuit "L": protector on
54	H/P_DETECT	I	Headphone connection detection signal input "H": headphone connected
55	LINE-MUTE	O	Line muting on/off control signal "H": muting on
56	M61530-DATA	O	Serial data output to electric volume, M61530FP
57	M61530-CLK	O	Serial data transfer clock signal output to electric volume, M61530FP
58	EFFECTOR_SOURCE_SELECT2	O	Control signal 2 output to source selector at the effector circuitry
59	EFFECTOR_SOURCE_SELECT1	O	Control signal 1 output to source selector at the effector circuitry
60	EFFECTOR_SELECT	O	Effector circuitry bypass control signal output "H": bypass
61	EFFECTOR_CTRL3	O	Effector mode control signal 3 output
62	VCC	—	Power supply (+3.3V)
63	EFFECTOR_CTRL2	O	Effector mode control signal 2 output
64	VSS	—	Ground
65	EFFECTOR_S3	O	Effector circuitry delay time selection bit 3 output
66	EFFECTOR_S2	O	Effector circuitry delay time selection bit 2 output
67	EFFECTOR_S1	O	Effector circuitry delay time selection bit 1 output
68	EFFECTOR_S0	O	Effector circuitry delay time selection bit 0 output
69	EFFECTOR_CTRL1	O	Effector mode control signal 1 output
70	M61537-DATA	O	Serial data output to REC/PB AMP, M61537FP
71	M61537-CLK	O	Serial data transfer clock signal output to REC/PB AMP, M61537FP
72	[REC-MUTE]/ SURR_RELAY	O	Recording muting on/off control signal output "L": muting on
73	DISPLAY-KEY	I	DISPLAY key press detection Interrupt input
74	POWER-KEY	I	POWER key press detection Interrupt input
75	[TC-MUTE]/ ML2252_BUSY2	I	Tape playback muting signal output "L": muting on
76	[TC-RELAY]/ I/O_EXP_DATA-OUT	O	Recording/playback selection signal output "H": recording "L": playback
77	[REC-BIAS] I/O_EXP_PWR-CTRL	O	Recording bias on/off control signal output "H": bias on
78	[B-TRIG] I/O_EXP_LATCH	O	Deck B side trigger plunger drive signal output "H": plunger on

Pin No.	Pin Name	I/O	Pin Description
79	[CAPM-CNT]/ I/O_EXP_CLK	O	Capstan motor drive signal output
80	[A-TRIG]/ I/O_EXP RESET	O	Deck A side trigger plunger drive signal output "H": plunger on
81	A-HALF	I	Deck A cassette detection signal input
82	FREQ Z-GROOVE	O	Z-Groove frequency select control signal output "L": Z-Groove "H": Groove
83	ST-CE	O	PLL chip enable signal output to the tuner unit
84	ST-DOUT	O	PLL serial data output to the tuner unit
85	ST-CLK	O	PLL serial data transfer clock signal output to the tuner unit
86	ST-DIN	O	PLL serial data input from the tuner unit
87	STBY-LED	O	LED drive signal output of POWER indicator "H": Green Color "L": Red Color
88	GC-RESET	O	Reset signal output to Display Control IC "L": reset
89	A-SHUT	I	Shut off detection signal input from deck A side reel pulse detector (A/D input)
90	B-SHUT	I	Shut off detection signal input from deck A side reel pulse detector (A/D input)
91	B-HALF	I	Deck B cassette detection and forward side recording tab detection signal input terminal (A/D input)
92	ML2252-WR	I	Data output enable control signal to digital synthesizer ML2252 "L": Data output enable
93	DEST-IN	I	Destination setting terminal
94	THERMAL_VACS	I	Temperature detection signal input from thermistor (A/D input)
95	ML2252-BUSY1	I	Channel 1 playback status signal from digital synthesizer ML2252 "H": Playback stop
96	AVSS	I	Ground
97	[MTK_POWER_MONITOR] CD_BUS0	I	DVD power supply level monitoring input "L": protector on
98	VREF	I	A/D Converter reference voltage input (+3.3V)
99	AVCC	—	Power supply (+3.3V)
100	RESET ML2252	I	Reset signal output to digital synthesizer ML2252

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IC102 CXD9849R (CD/DVD RF AMP, FOCUS/TRACKING ERROR AMP, DVD SYSTEM PROCESSOR, DIGITAL SERVO PROCESSOR) (DMB16 BOARD (4/6))

Pin No.	Pin Name	I/O	Pin Description
1	AGND	—	Ground
2	DVDA	I	AC coupled input path A
3	DVDB	I	AC coupled input path B
4	DVDC	I	AC coupled input path C
5	DVDD	I	AC coupled input path D
6	DVDRFIP	I	AC coupled DVD RF signal input RFIP
7	DVDRFIN	I	AC coupled DVD RF signal input RFIN Not used in this set. (Open)
8	NA	I	DC coupled main-beam RF signal input A
9	NB	I	DC coupled main-beam RF signal input B
10	MC	I	DC coupled main-beam RF signal input C
11	MD	I	DC coupled main-beam RF signal input D
12	SA	I	DC coupled sub-beam RF signal input A Not used in this set. (Open)
13	SB	I	DC coupled sub-beam RF signal input B Not used in this set. (Open)
14	SC	I	DC coupled sub-beam RF signal input C Not used in this set. (Open)
15	SD	I	DC coupled sub-beam RF signal input D Not used in this set. (Open)
16	CDFON	I	CD focusing error negative input Not used in this set. (Open)
17	CDFOP	I	CD focusing error positive input Not used in this set. (Open)
18	TNI	I	3 beam satellite PD signal negative input
19	TPI	I	3 beam satellite PD signal positive input
20	MDI1	I	Laser power PD monitor signal input
21	MDI2	I	Laser power PD monitor signal input
22	LDO2	O	Laser drive signal output
23	LDO1	O	Laser drive signal output
24	SVDD3	—	Power Supply (+3.3 V)
25	CSD	O	Central servo, Positive main beam summing signal output Not used in this set. (Open)
26	RFLVL	O	RFRP low pass, or Positive main beam summing signal output Not used. (Open)
27	SGND	—	Ground
28	V2REFO	O	Reference voltage 2.8 V
29	V2O	O	Reference voltage 2.0 V
30	VREFO	O	Reference voltage 1.4 V
31	FEO	O	Focus error monitor signal output Not used in this set. (Open)
32	TEO	O	Tracking error monitor signal output Not used in this set. (Open)
33	TEZISLY	O	TE Slicing Level Not used in this set.
34	OPOUT	O	Op amp output Not used in this set. (Open)
35	OPIN	I	Op amp negative input Not used in this set. (Open)
36	OPIN	I	Op amp positive input Not used in this set. (Open)
37	DMO	O	Disk motor control signal output, PWM signal output
38	FMO	O	Feed motor signal control, PWM signal output
39	TROPENPWM	O	Tray PWM output/Tray open signal output.
40	IOPMON	I	General PWM signal input
41	TRO	O	Tracking servo signal output
42	FOO	O	Focus servo signal output
43	DVSS	—	Ground
44	NC	—	Not used. (Open)
45	NC	—	Not used. (Open)
46	DVDD3	—	Power Supply (+3.3 V)

Pin No.	Pin Name	I/O	Pin Description
47	SPFG	I	Motor Hall sensor signal input
48	DSEL	O	Select signal output
49	WIDE	I	Wide signal output
50	MSW	O	Volume control signal output
51	MAMUTE	O	MAMUTE signal output to System Controller Not used in this set. (Open)
52	DVDD18	—	Power Supply (+1.8 V)
53 to 58	IOA 2 to 7	O	Address bus 2 to 7 output to PROM
59	HIGHA0	O	Address bus 8 output to PROM
60, 61	IOA18, 19	O	Address bus 18, 19 output to PROM
62	DVSS	—	Ground
63	APLLCAP	I	APLL External Capacitance connection
64	APLLVSS	—	Ground
65	VDD3	—	Power Supply (+3.3 V)
66	IOWR	O	WE signal output to PROM
67	A16	O	Address bus 16 output to PROM
68 to 72	HIGHA 7 to 3	O	Address bus 15 to 11 output to PROM
73	DVDD3	—	Power Supply (+3.3 V)
74, 75	HIGHA 2, 1	O	Address bus 10, 9 output to PROM
76	IOA20	O	Address bus 20 output to PROM
77	IOCS	O	CE signal output to PROM
78	IOA1	O	Address bus 1 output to PROM
79	IOOE	O	OE signal output to PROM
80	DVDD3	—	Power Supply (+3.3 V)
81 to 84	AD 0 to 3	I	Data bus 0 to 3 input from PROM
85	DVSS	—	Ground
86 to 88	AD 4 to 6	I	Data bus 4 to 6 input from PROM
89	IOA21	O	Address bus 21 output to PROM
90	ALE	O	Address latch enable Not used in this set. (Open)
91	AD7	I	Data bus 7 input from PROM
92	A17	O	Address bus 17 output to PROM
93	IOA0	O	Address bus 0 output to PROM
94	DVSS	—	Ground
95	UWA	I	System Controller write strobe Not used in this set. (Open)
96	URD	I	System Controller read strobe Not used in this set. (Open)
97	DVDD18	—	Power Supply (+1.8 V)
98	IFSDO	I	DVD SOD signal input from System Controller
99	IFCK	O	DVD SCO signal output to System Controller
100	XIFCS	I	DVD XIFCS signal input from System Controller
101	IFSDI	I	VIFBUSY signal output from System Controller
102	SCL	O	SCL signal output to EEPROM
103	SDA	O	SDA signal output to EEPROM
104	TRG-SW	O	RS232 RXD signal output Not used in this set. (Open)
105	IFBSY	I	RS232 TXD signal input from System Controller
106	RXD	I	RD232 RXD clock
107	TXD	I	RD232 TXD data
108	DVDD3	—	Power Supply (+3.3 V)
109	ICE	I	ICE mode enable Not used in this set. (Open)
110	PRST	I	MTRST signal input from System Controller
111	IR	I	IR control signal input Not used in this set. (Open)
112	INT0	I	External interrupt0 Not used in this set. (Open)

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Pin No.	Pin Name	I/O	Pin Description
113	DQMO	O	DQM0 signal output to SD-RAM
114	MREQ	I	DQM signal input
115	RD7	I	Data bus 7 from SD-RAM
116	DVSS	—	Ground
117, 118	RD 6, 5	I	Data bus 6, 5 from SD-RAM
119	DVSS	—	Ground
120, 121	RD 4, 3	I	Data bus 4, 3 from SD-RAM
122	DVDD18	—	Power Supply (+1.8 V)
123 to 125	RD 2 to 0	I	Data bus 2 to 0 from SD-RAM
126	RD15	I	Data bus 15 from SD-RAM
127	DVDD3	—	Power Supply (+3.3 V)
128	RD 14	I	Data bus 14 from SD-RAM
129 to 133	RD 13 to 9	I	Data bus 13 to 9 from SD-RAM
134	DVSS	—	Ground
135	RD8	I	Data bus 8 from SD-RAM
136	GPI0	—	Not used. (Open)
137	DQM1	O	DQM1 signal output to SD-RAM
138	RWE	O	WE signal output to SD-RAM
139	CAS	O	CAS signal output to SD-RAM
140	RAS	O	RAS signal output to SD-RAM
141	DVDD3	—	Power Supply (+3.3 V)
142	RCS	O	RCS signal output to SD-RAM
143	BAO	O	BAO signal output to SD-RAM
144	DVSS	—	Ground
145	BA1	O	BA1 signal output to SD-RAM
146	RA10	O	Address bus 10 output to SD-RAM
147	RA0	O	Address bus 0 output to SD-RAM
148	DVSS	—	Ground
149 to 151	RA 1 to 3	O	Address bus 1 to 3 output to SD-RAM
152	DVDD18	—	Power Supply (+1.8 V)
153	NC	—	Not used. (Open)
154	NC	—	Not used. (Open)
155	DVDD3	—	Power Supply (+3.3 V)
156	RCLK	O	CLK signal output to SD-RAM
157	CKE	O	CKE signal output to SD-RAM
158 to 160	RA 11 to 8	O	Address bus 11 to 8 output to SD-RAM
161	DVSS	—	Ground
162	RA7	O	Address bus 7 output to SD-RAM
163	DVSS	—	Ground
164 to 166	RA 6 to 4	O	Address bus 6 to 4 output to SD-RAM
167	DVDD3	—	Power Supply (+3.3 V)
168	DISC/X	—	Not used. (Open)
169	RGB	O	RGB control signal output Not used in this set. (Open)
170	TSD M	O	TSDM signal output
171	NC	—	Not used. (Open)
172	NC	—	Not used. (Open)
173	DVDD18	—	Power Supply (+1.8 V)
174	FWD	—	Not used. (Open)
175	NC	—	Not used. (Open)
176	LIMSW	O	LIMSW signal output to Optical pick-up

Pin No.	Pin Name	I/O	Pin Description
177	OCSW	I	SEN signal input from System Controller/OCSW signal input Not used. (Open)
178	REW	—	Not used in this set. (Open)
179	CKSW	I	CKSW signal input Not used in this set. (Open)
180	NC	—	Not used. (Open)
181	NC	—	Not used. (Open)
182	DVDD3	—	Power Supply (+3.3 V)
183	NC	—	Not used. (Open)
184	NC	—	Not used. (Open)
185	NC	—	Not used. (Open)
186	NC	—	Not used. (Open)
187	NC	—	Not used. (Open)
188	NC	—	Not used. (Open)
189	DAVCC	—	Power Supply (+3.3 V)
190	VREF	I	Bandgap reference voltage Not used in this set. (Open)
191	FS	O	Full scale adjustment (pull down)
192	YUV0	—	Not used. (Open)
193	DAVSS	—	Ground
194	YUV1	O	Y signal output to VIDEO AMP
195	DAVDD	—	Power Supply (+3.3 V)
196	YUV2	O	CHROMA signal output to VIDEO AMP
197	DAVSS	—	Ground
198	YUV3	O	VIDEO signal output to VIDEO AMP
199	DAVDD	—	Power Supply (+3.3 V)
200	YUV4	O	G signal output to VIDEO AMP
201	DAVSS	—	Ground
202	YUV5	O	B signal output to VIDEO AMP
203	YUV6	O	R signal output to VIDEO AMP
204	DVDD3	—	Power Supply (+3.3 V)
205	MIC/VSYN	I	Microphone status signal input
206	VOICE/YUV7	I	Karaoke voice signal input
207	KRMOB/HSYN	O	Karaoke mode detection signal output
208	SMSCK	I	Karaoke score signal input
209	SPDATA/SMSDI	I	Audio data of SPDIF input Not used in this set. (Open)
210	MUTE	O	Mute signal output
211	MUTE123	O	Mute signal output
212	DVDD3	—	Power Supply (+3.3 V)
213	ALRCK	I	Audio left/right channel clock signal input
214	ABCK	O	Audio bit clock signal output
215	ACLK	I	Audio DAC master clock signal input
216	DVSS	—	Ground
217	ASDATA0	O	Audio serial data signal output
218	ASDATA1	O	Audio serial data signal output
219	ASDATA2	O	Audio serial data signal output
220	XRST	O	Reset signal output
221	DVDD18	—	Power Supply (+1.8 V)
222	ASDATA4	O	Audio serial data signal output
223	DVSS	—	Ground
224	DWIDE	—	Not used in. (Open)
225	SDPIF	O	SPDIF signal output
226	RFND18	—	Ground

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Pin No.	Pin Name	I/O	Pin Description
227	RFVDD18	—	Power Supply (+1.8 V)
228	XTALO	O	Oscillator signal output (27 MHz)
229	XTALI	I	Oscillator signal input (27 MHz)
230	JITFO	O	RF jitter meter output
231	JITFN	I	Negative input of operation amplifier for RF jitter meter
232	PLLVSS	—	Ground
233	IDAC	—	DAC current setting pin.
234	PLLVDD3	—	Power Supply (+3.3 V)
235	LPFON	O	Negative output of loop filter amplifier
236	LPFIP	I	Positive input of loop filter amplifier
237	LPFIN	I	Negative input of loop filter amplifier
238	LPFOP	O	Positive output of loop filter amplifier
239	VDD3	I	Power Supply (+3.3 V)
240	NC	—	Not used. (Open)
241	VSS	—	Ground
242	NC	—	Not used. (Open)
243	NC	—	Not used. (Open)
244	RFVDD3	—	Power Supply (+3.3 V)
245	RFRPDC	I	RFRP signal input
246	RFRPAC	I	RFRP signal input
247	HRFZC	I	High frequency RF ripple zero crossing
248	CRTPLP	O	Defect level filter capacitor connecting
249	RFGND	—	Ground
250	NC	—	Not used. (Open)
251	NC	—	Not used. (Open)
252	OSP	O	RF offset cancellation capacitor connecting
253	OSN	I	RF offset cancellation capacitor connecting
254	RFGC	O	RF offset loop capacitor connecting for DVD-ROM
255	IREF	I	Current reference input
256	AVDD3	—	Power Supply (+3.3 V)

IC900 MB90M407PF-G-153-BND (GC MICOM, FL DRIVE) (FL BOARD)

Pin No.	Pin Name	I/O	Pin Description
1 to 8	G17 to G24	O	Grid drive signal output to the fluorescent indicator tube display
9, 10	P36, P35	O	Segment drive signal output to the fluorescent indicator tube display
11	VSS-IO	—	Ground (for I/O port)
12 to 22	P34 to P24	O	Segment drive signal output to the fluorescent indicator tube display
23	VDD-FIP	—	Power supply (+3.3 V) (for fluorescent indicator tube display)
24 to 41	P23 to P6	O	Segment drive signal output to the fluorescent indicator tube display
42	VSS-IO	—	Ground (for I/O port)
43 to 47	P5 to P1	O	Segment drive signal output to the fluorescent indicator tube display
48	VKK	—	Power supply (+3.3 V) (for fluorescent indicator tube display)
49 to 51	MD0 to MD2	I	Setting pin for the CPU operational mode
52	LED-VOLUME1, 2	O	Dynamic LED drive signal output of the (VOL1) and (VOL2) indicator ("H": LED on)
53	LED-VOLUME3, 4	O	Dynamic LED drive signal output of the (VOL3) and (VOL4) indicator ("H": LED on)
54	LED-VOLUME5, 6	O	Dynamic LED drive signal output of the (VOL5) and (VOL6) indicator ("H": LED on)
55	LED-VOLUME7, 8	O	Dynamic LED drive signal output of the (VOL7) and (VOL8) indicator ("H": LED on)
56	LED-CENTER LIGHTING1, 2	O	Dynamic LED drive signal output of the CENTER 1 and 2 lighting indicator ("H": LED on)
57	LED-BOTTOM LIGHTING1, 2	O	Dynamic LED drive signal output of the BOTTOM 1 and 2 lighting indicator ("H": LED on)
58	LED-USB REC	O	Not used in this set.
59	LED-FLANGER, DELAY	O	Dynamic LED drive signal output of the FLANGER and DELAY ("H": LED on)
60	12C-DATA	I/O	Clock signal input/output for IIC communication between Master Control controller and Display Control controller
61	12C-CLOCK	I/O	Data signal input/output for IIC communication between Master Control controller and Display Control controller
62	AVCC	—	Power supply (+3.3 V) (for A/D conversion)
63	AVSS	—	Ground (for A/D conversion)
64 to 67	KEY0 to KEY3	I	Key input (A/D input)
68	ALL-BAND	I	Spectrum analyzer drive signal input from the spectrum analyzer band-pass filter (A/D input)
69 to 72	BPF3 to BPF0	I	Spectrum analyzer drive signal input from the spectrum analyzer band-pass filter (A/D input)
73	MULTI JOG	I	Jog dial pulse input from OPERATION DIAL encoder
74	VOL JOG	I	Jog dial pulse input from the MASTER VOLUME encoder
75	LED-CHORUS, WAH	O	Dynamic LED drive signal output of CHORUS and AQUA indicator ("H": LED on)
76	NO USE	—	Not used. (Open)
77	RESET	I	System reset signal input from the Master Control controller ("L": reset)
78	NO USE	O	Not used. (Open)
79	X ROUND JOG	O	Jog dial pulse input from X-ROUND DIAL encoder
80	LED SELECTOR	O	Dynamic LED drive select signal output
81	VSS-CPU	—	Ground
82	XO	O	System clock output (4 MHz)
83	XI	I	System clock input (4 MHz)
84	VCC-CPU	—	Power supply (+3.3 V)
85 to 100	G1 to 16	O	Grid drive signal output to the vacuum fluorescent display

SECTION 8 EXPLODED VIEWS

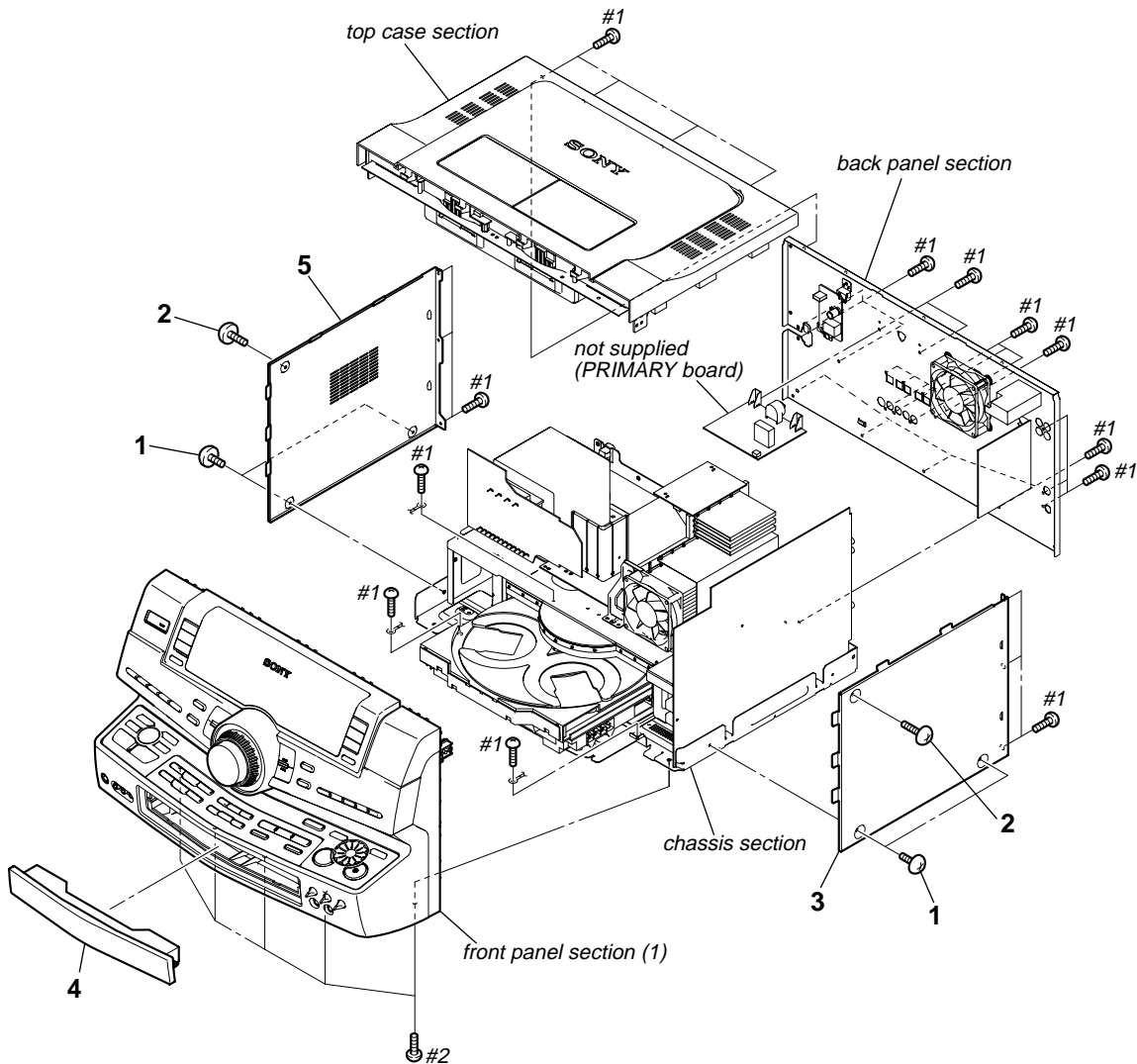
NOTE:

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

- Abbreviation
 AUS : Australian model
 E2 : 120 V AC area in E model
 E3 : 240 V AC area in E model
 E51 : Chilean and Peruvian model
 EA : Saudi Arabia model
 MY : Malaysia model
 SP : Singapore model

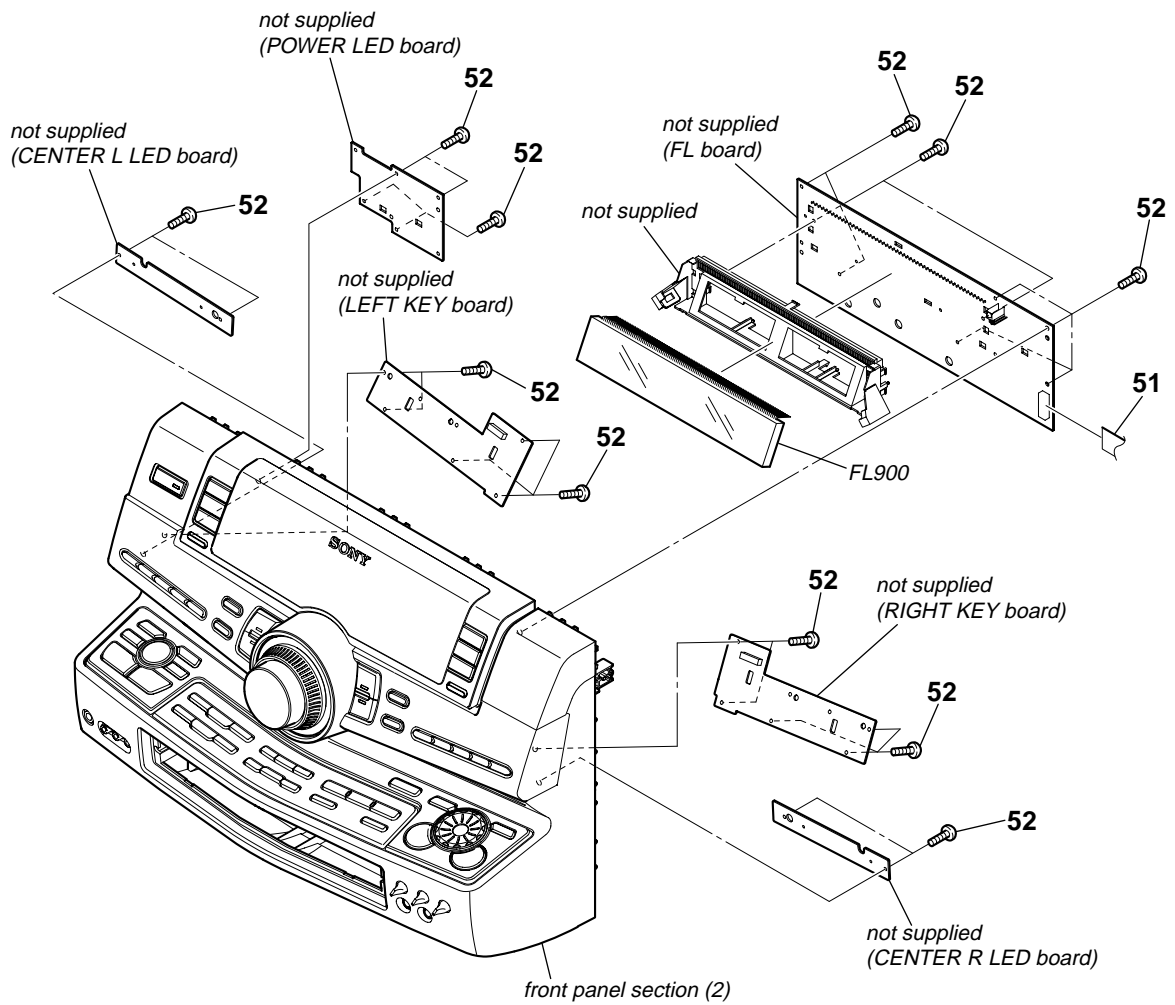
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

8-1. MAIN SECTION



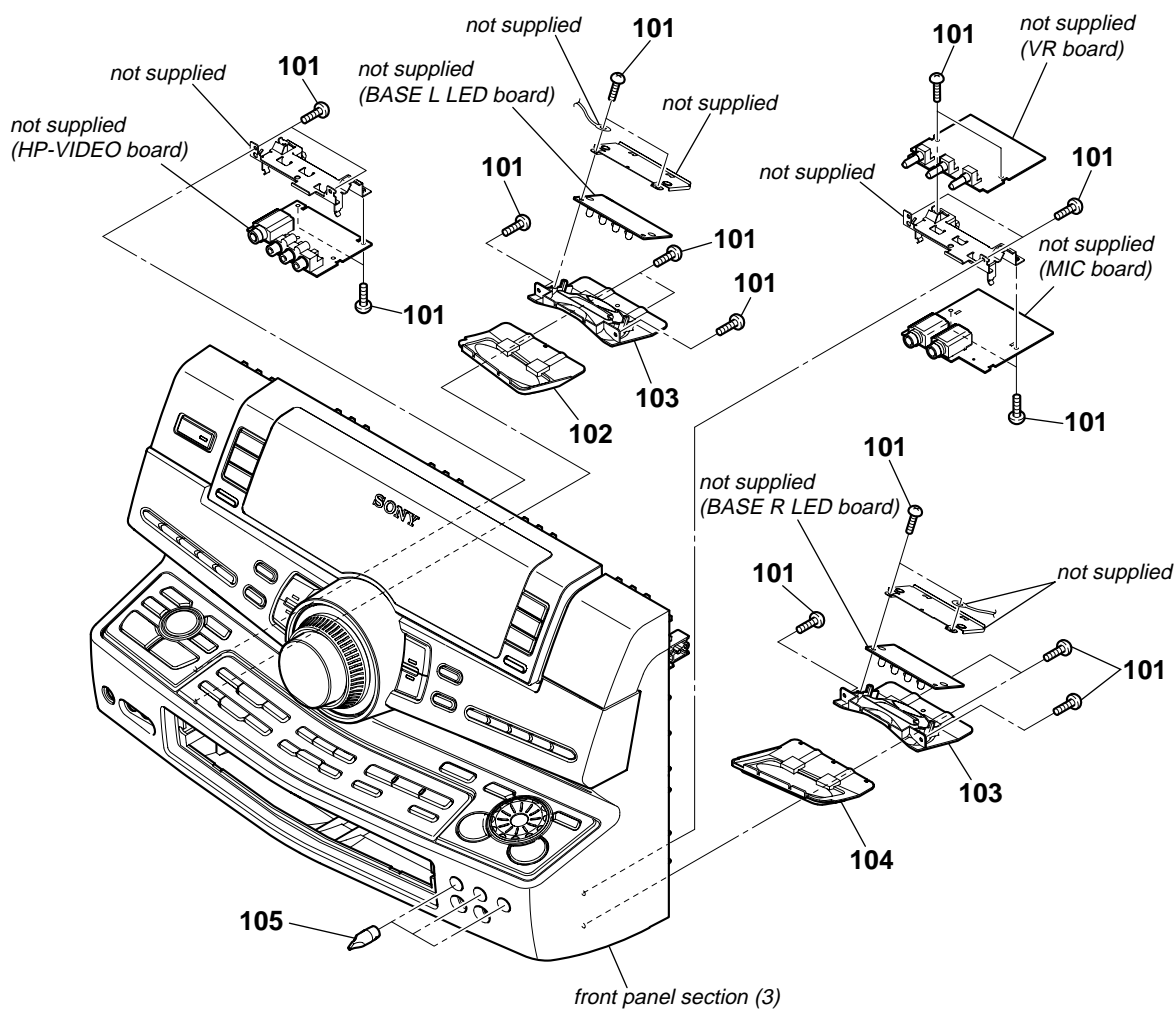
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-363-099-02	SCREW (CASE 3 TP2)		5	3-095-365-01	PANEL, SIDE L	
2	3-363-099-32	SCREW (CASE 3 TP2)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
3	3-095-366-01	PANEL, SIDE R		#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
4	3-095-333-11	PANEL, LOADING					

8-2. FRONT PANEL SECTION (1)



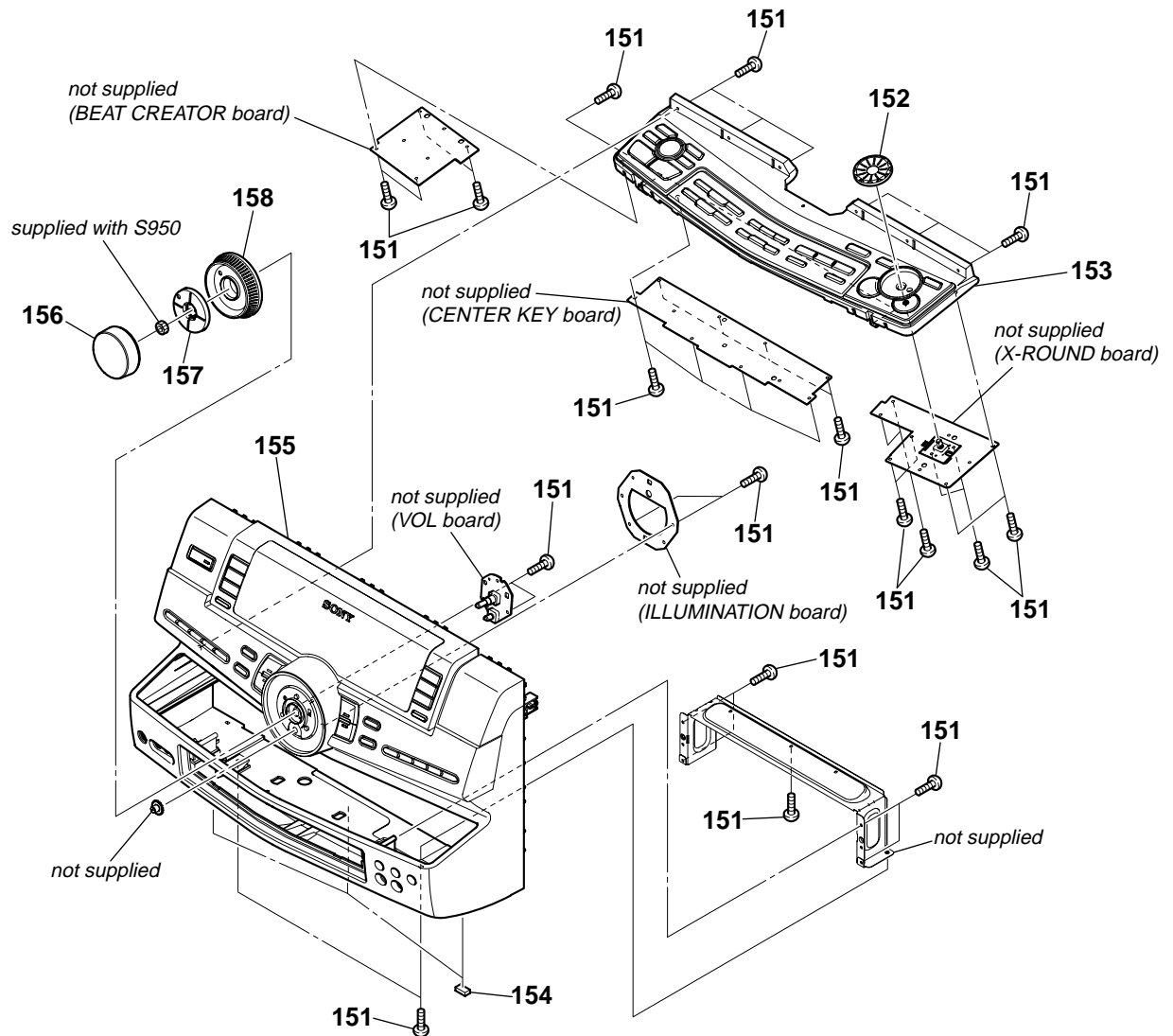
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	1-828-991-11	WIRE (FLAT TYPE) (17 CORE)		FL900	1-519-955-11	VACUUM FLUORESCENT DISPLAY	
52	3-087-053-01	+BVTP 2.6 (3CR)					

8-3. FRONT PANEL SECTION (2)



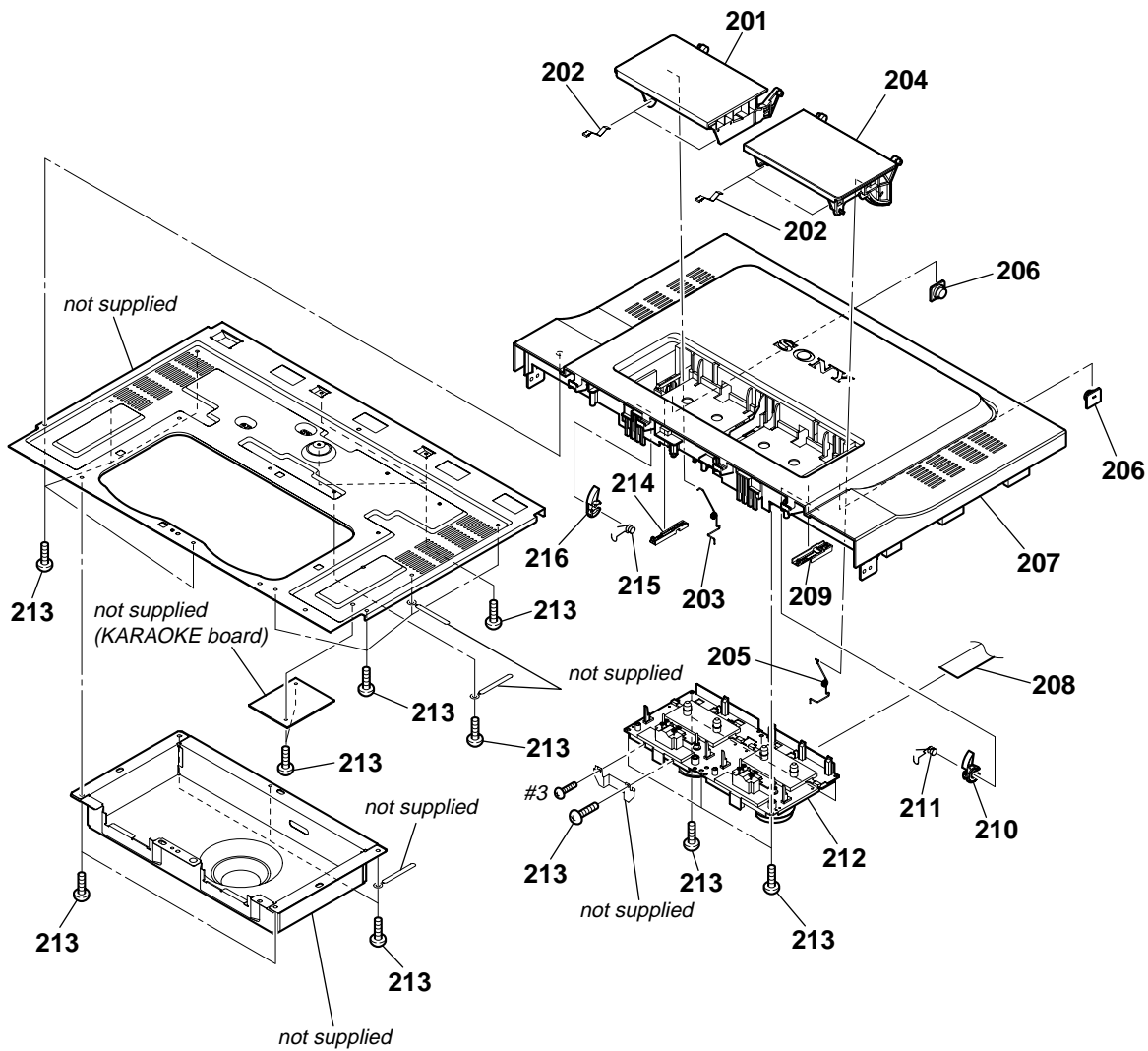
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-087-053-01	+BVTP 2.6 (3CR)		104	3-095-340-01	WINDOW (CD-R)	
102	3-095-339-01	WINDOW (CD-L)		105	3-095-334-01	KNOB (MIC)	
103	3-095-341-01	REFLECTOR (CD)					

8-4. FRONT PANEL SECTION (3)



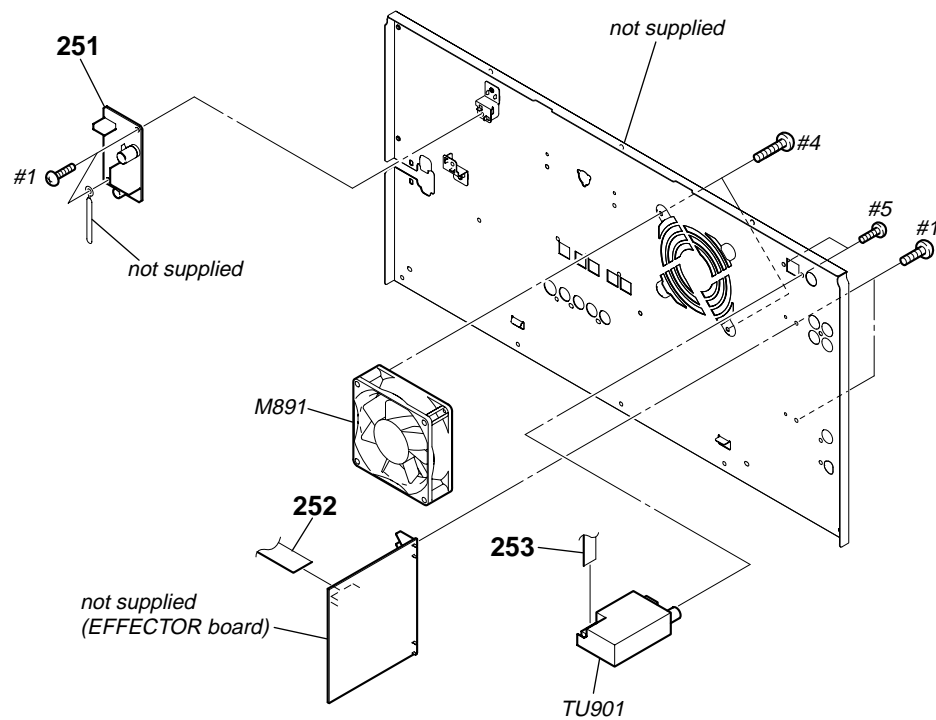
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-087-053-01	+BVTP 2.6 (3CR)		155	X-2186-572-1	FRONT PANEL ASSY (DVD-AU) (AUS)	
152	3-095-332-01	JOG (X-ROUND)		156	3-095-313-01	KNOB (VOLUME)	
153	X-2177-354-1	ESCUTCHEON ASSY, CD (DVD)		157	3-095-315-01	BRACKET (JOG)	
154	4-225-252-21	CUSHION (FOOT)		158	3-095-314-01	KNOB (JOG)	
155	X-2177-350-1	FRONT PANEL ASSY (DVD) (EXCEPT AUS)					

8-5. TOP CASE SECTION



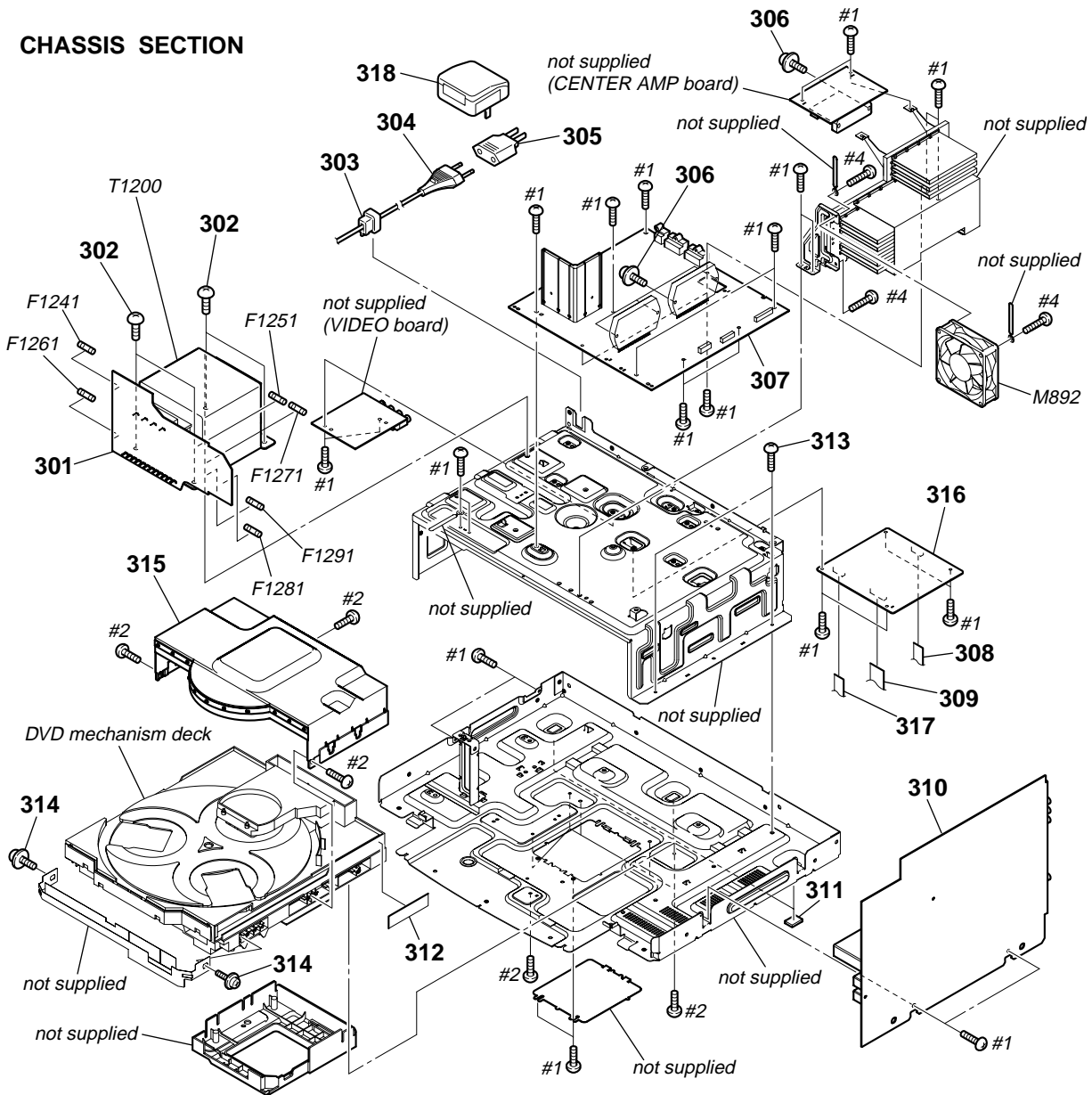
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	3-095-348-11	HOLDER (TC-L)		210	4-231-825-01	CAM (B), HEART	
202	2-669-613-01	SPRING, DETENT		211	4-231-841-01	SPRING (HEART CAM-B)	
203	3-211-052-01	SPRING (A)		212	1-417-658-11	DECK, MECHA	
204	3-095-349-11	HOLDER (TC-R)		213	3-087-053-01	+BVTP 2.6 (3CR)	
205	3-211-053-01	SPRING (B)		214	3-095-352-01	STOPPER (PLAY-B)	
206	4-224-104-11	DAMPER		215	4-231-836-01	SPRING (HEART CAM-A)	
207	3-095-343-01	CASE (TOP)		216	4-231-824-01	CAM (A), HEART	
208	1-828-966-11	WIRE (FLAT TYPE) (11 CORE)		#3	7-685-853-04	SCREW +BVTT 2X6 (S)	
209	3-095-353-01	STOPPER (PLAY-B)					

8-6. BACK PANEL SECTION



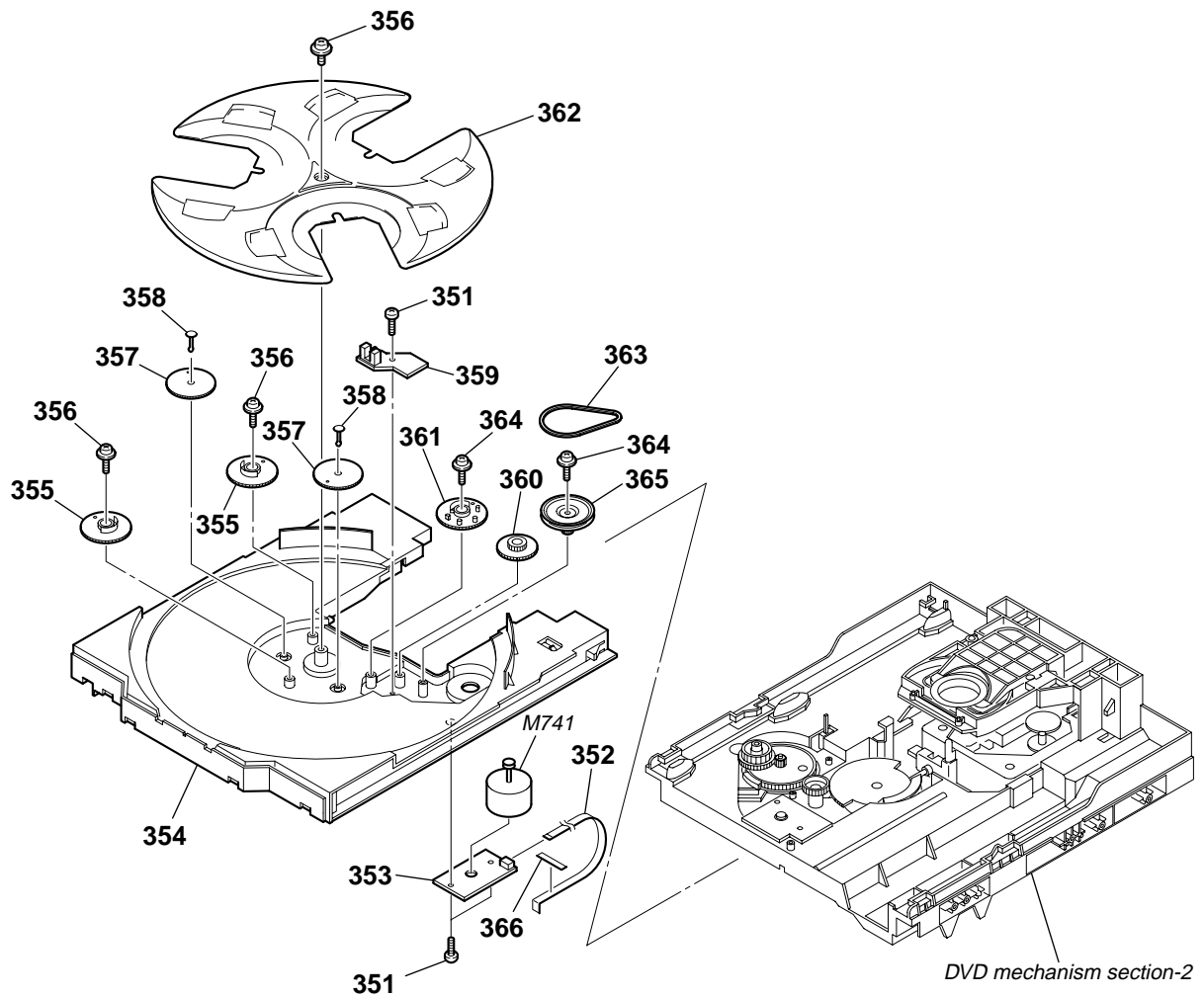
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
△ 251	1-468-737-51	POWER, SWITCHING		TU901	1-693-734-21	TUNER (FM/AM) (ANTENNA) (EXCEPT AUS)	
252	1-828-361-11	WIRE (FLAT TYPE) (19 CORE)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
253	1-828-954-11	WIRE (FLAT TYPE) (9 CORE)		#4	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
M891	1-763-372-11	FAN, DC		#5	7-685-862-01	SCREW +BVTT 2.6X6 (S)	
TU901	1-693-734-11	TUNER (FM/AM) (ANTENNA) (AUS)					

8-7. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	301	A-1257-724-A	TRANS BOARD, COMPLETE		315	X-2186-574-1	COVER ASSY, CDM
	302	4-900-386-01	SCREW		316	A-1376-400-A	DMB16 BOARD, COMPLETE (E3)
	303	3-703-244-21	BUSHING (2104), CORD		316	A-1376-406-A	DMB16 BOARD, COMPLETE (MY,SP)
△	304	1-777-071-83	CORD, POWER (EXCEPT AUS)		316	A-1376-407-A	DMB16 BOARD, COMPLETE (E2,E51)
△	304	1-829-259-11	CORD, POWER (AUS)		316	A-1433-450-A	DMB16 BOARD, COMPLETE (AUS)
△	305	1-569-008-21	ADAPTOR, CONVERSION (EXCEPT AUS,EA)		316	A-1738-507-A	DMB16 BOARD, COMPLETE (EA)
	306	3-905-609-31	SCREW (TRANSISTOR)		317	1-828-329-11	WIRE (FLAT TYPE) (13 CORE)
	307	A-1257-720-A	POWER AMP BOARD, COMPLETE	△	318	1-770-019-71	ADAPTOR, CONVERSION PLUG 3P (EA)
	308	1-828-334-11	WIRE (FLAT TYPE) (13 CORE)	△	F1241	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)
	309	1-828-373-11	WIRE (FLAT TYPE) (21 CORE)	△	F1251	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)
	310	A-1257-888-A	MAIN BOARD, COMPLETE (E3)	△	F1261	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)
	310	A-1334-901-A	MAIN BOARD, COMPLETE (AUS)	△	F1271	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)
	310	A-1334-913-A	MAIN BOARD, COMPLETE (MY,SP)	△	F1281	1-532-504-33	FUSE (T4AL/250V)
	310	A-1334-916-A	MAIN BOARD, COMPLETE (E2)	△	F1291	1-532-504-33	FUSE (T4AL/250V)
	310	A-1363-858-A	MAIN BOARD, COMPLETE (E51)		M892	1-763-372-11	FAN, DC
	310	A-1731-316-A	MAIN BOARD, COMPLETE (EA)	△	T1200	1-445-259-11	TRANSFORMER, POWER (EXCEPT EA)
	311	4-225-252-21	CUSHION (FOOT)	△	T1200	1-445-747-11	TRANSFORMER, POWER (EA)
	312	3-378-109-12	CUSHION, SARANET		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3
	313	3-077-331-21	+BV 3 (3-CR)		#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3
	314	4-998-716-01	SCREW, BU FITTING		#4	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3

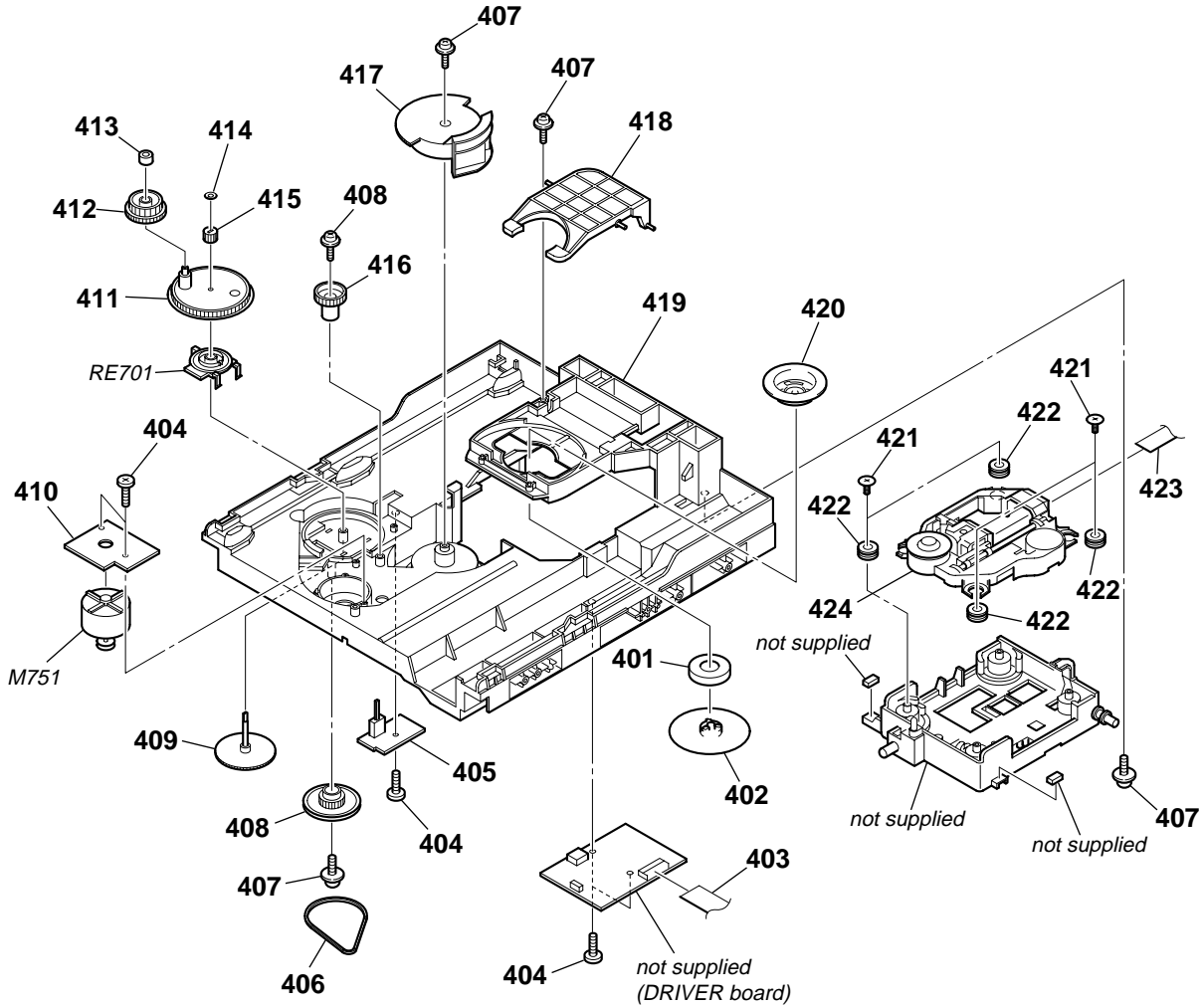
8-8. DVD MECHANISM SECTION (1)
(CDM74HF-DVBU101)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	4-218-253-42	SCREW (M2.6), +BTTP		360	4-243-820-01	GEAR (TABLE)	
352	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)		361	4-243-819-01	GEAR (GENEVA)	
353	1-687-134-12	MOTOR (TB) BOARD		362	4-243-816-21	TRAY	
354	4-243-815-11	TABLE (LOADING)		363	4-243-823-01	BELT (TABLE)	
355	4-245-571-02	GEAR (STOPPER)		364	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
356	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		365	4-243-821-01	PULLEY (TABLE)	
357	4-245-570-01	GEAR (JOINT)		366	3-231-598-01	SHEET (BA)	
358	4-245-572-01	BUSHING (GEAR)		M741	A-1108-965-A	MOTOR ASSY, TABLE (TABLE)	
359	1-687-132-12	SENSOR BOARD					

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8-9. DVD MECHANISM SECTION (2) (CDM74HF-DVBU101)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
401	4-251-923-01	YOKE (310)		415	4-224-611-01	GEAR (LOADING B)	
402	2-345-982-01	PULLEY A (310), CHUCKING		416	4-224-606-01	GEAR (RV)	
403	1-828-977-11	WIRE (FLAT TYPE) (13 CORE)		417	4-243-818-01	GEAR (U/D)	
404	4-218-253-32	SCREW (M2.6), +BTTP		418	2-541-918-01	LEVER (LIFTER (H))	
405	1-687-669-12	SW BOARD		419	4-243-817-22	CHASSIS	
406	4-244-034-01	BELT (LOADING)		420	2-345-983-01	PULLEY B (310), CHUCKING	
407	4-218-252-52	SCREW (+PTPWH M2.6), FLOATING		421	3-087-599-01	INSULATOR SCREW	
408	4-225-844-01	GEAR (LOADING A)		422	2-634-618-01	INSULATOR	
409	4-224-613-11	GEAR (SHAFT)		423	1-828-774-11	WIRE (FLAT TYPE) (24 CORE)	
410	1-687-133-12	MOTOR (LD) BOARD		△424	8-820-322-04	OPTICAL PICK-UP (KHM313CAB/C2RP1)	
411	4-244-108-01	GEAR, SWING		M751	A-4737-553-A	MOTOR ASSY, LOADING (LOADING)	
412	4-224-609-01	GEAR (LOADING C)		RE701	1-477-680-12	ENCODER, ROTARY	(DISC TRAY ADDRESS DETECT)
413	4-224-608-01	COLLAR, SWING					
414	3-016-533-11	WASHER (FR), STOPPER					

SECTION 9
ELECTRICAL PARTS LIST

BASE L LED

BASE R LED

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
AUS : Australian model
E2 : 120 V AC area in E model
E3 : 240 V AC area in E model
E51 : Chilean and Peruvian model
EA : Saudi Arabia model
MY : Malaysia model
SP : Singapore model

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		BASE L LED BOARD *****				BASE R LED BOARD *****	
		< DIODE >				< DIODE >	
D923	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE L ILLUMINATION)		D1029	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE R ILLUMINATION)	
D924	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE L ILLUMINATION)		D1030	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE R ILLUMINATION)	
D925	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE L ILLUMINATION)		D1031	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE R ILLUMINATION)	
D926	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE L ILLUMINATION)		D1032	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE R ILLUMINATION)	
D927	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE L ILLUMINATION)		D1033	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE R ILLUMINATION)	
D928	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE L ILLUMINATION)		D1034	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE R ILLUMINATION)	
D929	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE L ILLUMINATION)		D1035	6-501-872-01	LED SLI-560DTT32X-KLMN (BASE R ILLUMINATION)	
		< TRANSISTOR >				< TRANSISTOR >	
Q928	8-729-027-50	TRANSISTOR DTC123JKA-T146		Q1028	8-729-027-50	TRANSISTOR DTC123JKA-T146	
		< RESISTOR >				< RESISTOR >	
R1026	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1043	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1027	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1044	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1028	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1045	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1029	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1046	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1030	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1047	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1031	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1048	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1032	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1049	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1033	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1050	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1064	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1051	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1065	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1052	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1066	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1053	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1067	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1054	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1068	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1055	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1069	1-216-821-11	METAL CHIP 1K 5% 1/10W		R1056	1-216-821-11	METAL CHIP 1K 5% 1/10W	

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BEAT CREATOR **CENTER AMP** **CENTER KEY**

Ref. No.	Part No.	Description	Remark
BEAT CREATOR BOARD *****			
< CONNECTOR >			
CN908	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P	
CN956	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P	
< RESISTOR >			
R938	1-216-817-11	METAL CHIP 470	5% 1/10W
R939	1-216-819-11	METAL CHIP 680	5% 1/10W
R940	1-216-821-11	METAL CHIP 1K	5% 1/10W
R941	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
R942	1-216-843-11	METAL CHIP 68K	5% 1/10W
R943	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
R951	1-216-843-11	METAL CHIP 68K	5% 1/10W
< SWITCH >			
S918	1-771-410-21	SWITCH, TACTILE (BEAT SPEED)	
S919	1-771-410-21	SWITCH, TACTILE (BPM CONTROL)	
S920	1-771-410-21	SWITCH, TACTILE (PAD B)	
S921	1-771-410-21	SWITCH, TACTILE (BEAT PATTERN)	
S922	1-771-410-21	SWITCH, TACTILE (BEAT ON/OFF)	
S923	1-771-410-21	SWITCH, TACTILE (BEAT LEVEL)	
S931	1-771-410-21	SWITCH, TACTILE (PAD A)	

CENTER AMP BOARD *****			
< CAPACITOR >			
C405	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C410	1-162-919-11	CERAMIC CHIP 22PF	5% 50V
C425	1-126-968-11	ELECT 100uF	20% 50V
C426	1-126-968-11	ELECT 100uF	20% 50V
C440	1-126-963-11	ELECT 4.7uF	20% 50V
C441	1-164-230-11	CERAMIC CHIP 220PF	5% 50V
C442	1-126-923-11	ELECT 220uF	20% 10V
C443	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C445	1-126-969-11	ELECT 220uF	20% 50V
C446	1-126-969-11	ELECT 220uF	20% 50V
C447	1-126-967-11	ELECT 47uF	20% 50V
C448	1-164-230-11	CERAMIC CHIP 220PF	5% 50V
C470	1-136-497-81	FILM 0.1uF	5% 50V
C471	1-136-497-81	FILM 0.1uF	5% 50V
C491	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C492	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C493	1-162-974-11	CERAMIC CHIP 0.01uF	50V
< DIODE >			
D400	6-501-176-01	DIODE UDZW-TE17-12B	
D470	8-719-404-50	DIODE MA111-TX	
< IC >			
IC400	6-600-091-01	IC STK404-130S	
< TRANSISTOR >			
Q470	8-729-924-99	TRANSISTOR 2SC3722K-E	

Ref. No.	Part No.	Description	Remark
< RESISTOR >			
△R404	1-217-637-00	FUSIBLE 1	5% 1/4W F
R410	1-216-841-11	METAL CHIP 47K	5% 1/10W
R412	1-260-107-41	CARBON 4.7K	5% 1/2W F
R413	1-260-107-41	CARBON 4.7K	5% 1/2W F
△R427	1-245-605-51	FUSIBLE 100	5% 1/4W F
R440	1-216-821-11	METAL CHIP 1K	5% 1/10W
R441	1-216-841-11	METAL CHIP 47K	5% 1/10W
R443	1-260-107-41	CARBON 4.7K	5% 1/2W F
R444	1-260-107-41	CARBON 4.7K	5% 1/2W F
R445	1-216-822-11	METAL CHIP 1.2K	5% 1/10W
△R470	1-234-499-21	ENCAPSULATED COMPONENT 0.22X2 5W	
R471	1-216-821-11	METAL CHIP 1K	5% 1/10W
R472	1-216-838-11	METAL CHIP 27K	5% 1/10W
R473	1-216-845-11	METAL CHIP 100K	5% 1/10W
R475	1-245-711-31	CARBON 10	5% 1/2W F

CENTER KEY BOARD *****			
< RESISTOR >			
R944	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R945	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R946	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R947	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W
R948	1-216-833-11	METAL CHIP 10K	5% 1/10W
R949	1-216-835-11	METAL CHIP 15K	5% 1/10W
R950	1-216-837-11	METAL CHIP 22K	5% 1/10W
R953	1-216-839-11	METAL CHIP 33K	5% 1/10W
R954	1-216-837-11	METAL CHIP 22K	5% 1/10W
R955	1-216-835-11	METAL CHIP 15K	5% 1/10W
R956	1-216-833-11	METAL CHIP 10K	5% 1/10W
R957	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W
R958	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R959	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R960	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R961	1-216-839-11	METAL CHIP 33K	5% 1/10W
R969	1-216-843-11	METAL CHIP 68K	5% 1/10W
< SWITCH >			
S924	1-771-410-21	SWITCH, TACTILE (◀◀/PRESET -)	
S925	1-771-410-21	SWITCH, TACTILE (◀▶)	
S926	1-771-410-21	SWITCH, TACTILE (▶▶/PRESET +)	
S927	1-771-410-21	SWITCH, TACTILE (◀◀/TUNING -)	
S928	1-771-410-21	SWITCH, TACTILE (■)	
S929	1-771-410-21	SWITCH, TACTILE (▶▶/TUNING +)	
S930	1-771-410-21	SWITCH, TACTILE (■)	
S937	1-771-410-21	SWITCH, TACTILE (PROGRESSIVE)	
S939	1-771-410-21	SWITCH, TACTILE (CD SYNC)	
S940	1-771-410-21	SWITCH, TACTILE (REC PAUSE/START)	
S941	1-771-410-21	SWITCH, TACTILE (DIRECTION)	
S942	1-771-410-21	SWITCH, TACTILE (DISC SKIP/EX-CHANGE)	
S943	1-771-410-21	SWITCH, TACTILE (▲ OPEN/CLOSE)	
S944	1-771-410-21	SWITCH, TACTILE (DISC 1)	
S945	1-771-410-21	SWITCH, TACTILE (DISC 2)	
S946	1-771-410-21	SWITCH, TACTILE (DISC 3)	
S947	1-771-410-21	SWITCH, TACTILE (ENTER)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		CENTER L LED BOARD *****		C102	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
		< DIODE >		C105	1-126-947-11	ELECT 47uF 20%	35V
D900	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER L ILLUMINATION)		C106	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
D901	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER L ILLUMINATION)		C108	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
D902	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER L ILLUMINATION)		C109	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
D911	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER L ILLUMINATION)		C110	1-162-953-11	CERAMIC CHIP 100PF 5%	50V (AUS,EA)
		< TRANSISTOR >		C111	1-162-953-11	CERAMIC CHIP 100PF 5%	50V (AUS,EA)
Q900	8-729-027-50	TRANSISTOR DTC123JKA-T146		C112	1-126-947-11	ELECT 47uF 20%	35V
		< RESISTOR >		C113	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
R918	1-216-821-11	METAL CHIP 1K 5% 1/10W		C114	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
R919	1-216-821-11	METAL CHIP 1K 5% 1/10W		C115	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
R921	1-216-821-11	METAL CHIP 1K 5% 1/10W		C116	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
R922	1-216-821-11	METAL CHIP 1K 5% 1/10W		C117	1-126-964-11	ELECT 10uF 20%	50V
R924	1-216-821-11	METAL CHIP 1K 5% 1/10W		C118	1-126-964-11	ELECT 10uF 20%	50V
R925	1-216-821-11	METAL CHIP 1K 5% 1/10W		C119	1-126-964-11	ELECT 10uF 20%	50V
R979	1-216-821-11	METAL CHIP 1K 5% 1/10W		C120	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
R980	1-216-821-11	METAL CHIP 1K 5% 1/10W		C121	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
*****				C122	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
		CENTER R LED BOARD *****		C123	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
		< DIODE >		C124	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
D903	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER R ILLUMINATION)		C125	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
D904	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER R ILLUMINATION)		C126	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
D905	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER R ILLUMINATION)		C127	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
D910	6-501-883-01	LED SELT1WA62CMKT-TP6 (CENTER R ILLUMINATION)		C128	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V
		< TRANSISTOR >		C129	1-126-964-11	ELECT 10uF 20%	50V
Q901	8-729-027-50	TRANSISTOR DTC123JKA-T146		C130	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
		< RESISTOR >		C131	1-125-838-11	CERAMIC CHIP 2.2uF 10%	6.3V
R927	1-216-821-11	METAL CHIP 1K 5% 1/10W		C132	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
R928	1-216-821-11	METAL CHIP 1K 5% 1/10W		C133	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
R930	1-216-821-11	METAL CHIP 1K 5% 1/10W		C135	1-164-677-11	CERAMIC CHIP 0.033uF 10%	16V
R931	1-216-821-11	METAL CHIP 1K 5% 1/10W		C136	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
R933	1-216-821-11	METAL CHIP 1K 5% 1/10W		C137	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
R934	1-216-821-11	METAL CHIP 1K 5% 1/10W		C138	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
R983	1-216-821-11	METAL CHIP 1K 5% 1/10W		C139	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
R984	1-216-821-11	METAL CHIP 1K 5% 1/10W		C140	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
*****				C144	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
A-1376-400-A		DMB16 BOARD, COMPLETE (E3)		C146	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
A-1376-406-A		DMB16 BOARD, COMPLETE (MY,SP)		C147	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V
A-1376-407-A		DMB16 BOARD, COMPLETE (E2,E51)		C148	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V
A-1433-450-A		DMB16 BOARD, COMPLETE (AUS)		C149	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
A-1738-507-A		DMB16 BOARD, COMPLETE (EA) *****		C150	1-126-964-11	ELECT 10uF 20%	50V
		< CAPACITOR >		C151	1-115-416-11	CERAMIC CHIP 0.001uF 5%	25V
C101	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V		C152	1-162-915-11	CERAMIC CHIP 10PF 0.5PF	50V
				C153	1-162-917-11	CERAMIC CHIP 15PF 5%	50V
				C154	1-164-315-11	CERAMIC CHIP 470PF 5%	50V
				C155	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C156	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C158	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C159	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C160	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C161	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C162	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C163	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C164	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C167	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C170	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C171	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C172	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
				C173	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V

HCD-ZUX10D

Ver. 1.3

DMB16

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C174	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3705	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C175	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C177	1-126-947-11	ELECT	47uF	20%	35V	C3708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C178	1-126-947-11	ELECT	47uF	20%	35V	C3711	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3712	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3713	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C181	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3714	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C182	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3721	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C184	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3722	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C187	1-126-947-11	ELECT	47uF	20%	35V	C3723	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C188	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3724	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C189	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V	C3731	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C190	1-126-947-11	ELECT	47uF	20%	35V	C3732	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C191	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3733	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C192	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3734	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C193	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3741	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C195	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C3742	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C196	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C3743	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3744	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C205	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	C3751	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C206	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	C3752	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3753	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C209	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V	C3754	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C210	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3761	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C211	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V	C3762	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C212	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3763	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3764	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C214	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3771	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C215	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3772	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C217	1-126-947-11	ELECT	47uF	20%	35V	C3773	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C218	1-126-964-11	ELECT	10uF	20%	50V	C3774	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C219	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3781	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C220	1-126-964-11	ELECT	10uF	20%	50V	C3782	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3783	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C3784	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C224	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3801	1-104-658-11	ELECT	100uF	20%	10V
C233	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C3802	1-117-370-11	CERAMIC CHIP	10uF		10V
C301	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3803	1-104-658-11	ELECT	100uF	20%	10V
C302	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C3804	1-126-947-11	ELECT	47uF	20%	35V
C305	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C3805	1-126-947-11	ELECT	47uF	20%	35V
C306	1-104-658-11	ELECT	100uF	20%	10V						
C307	1-104-658-11	ELECT	100uF	20%	10V			< CONNECTOR >			
C308	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V						
C309	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V (AUS,EA)	CN101	1-815-763-32	CONNECTOR, FFC/FPC 24P			
					25V (AUS,EA)	* CN105	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
						CN109	1-779-281-11	CONNECTOR, FFC (LIF(NON-ZIF)) 13P			
						* CN201	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
						CN302	1-779-281-11	CONNECTOR, FFC (LIF(NON-ZIF)) 13P			
C402	1-126-947-11	ELECT	47uF	20%	35V	CN315	1-779-289-11	CONNECTOR, FFC (LIF(NON-ZIF)) 21P			
C403	1-126-947-11	ELECT	47uF	20%	35V	CN401	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
C3601	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C3602	1-126-964-11	ELECT	10uF	20%	50V			< DIODE >			
C3603	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D1001	8-719-058-24	DIODE RB501V-40TE-17			
C3604	1-126-947-11	ELECT	47uF	20%	35V	D3501	6-501-579-01	DIODE MC2837			
C3605	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	D3601	6-501-579-01	DIODE MC2837			
C3606	1-126-964-11	ELECT	10uF	20%	50V	D3602	6-501-162-01	DIODE UDZW-TE17-3.3B			
C3607	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
C3701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V			< TERMINAL BOARD >			
C3702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	ET001	1-537-771-21	TERMINAL BOARD, GROUND			
C3703	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
C3704	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
ET002	1-537-771-21	TERMINAL BOARD, GROUND		Q3801	8-729-230-49	TRANSISTOR 2SC2712-YG	
ET003	1-537-771-21	TERMINAL BOARD, GROUND				< RESISTOR >	
		< FERRITE BEAD >		R101	1-216-809-11	METAL CHIP 100 5%	1/10W
FB111	1-414-226-21	INDUCTOR, FERRITE BEAD		R104	1-216-864-11	SHORT CHIP 0	
FB112	1-414-226-21	INDUCTOR, FERRITE BEAD		R105	1-216-833-11	METAL CHIP 10K 5%	1/10W
FB113	1-414-226-21	INDUCTOR, FERRITE BEAD		R106	1-216-833-11	METAL CHIP 10K 5%	1/10W
FB114	1-414-226-21	INDUCTOR, FERRITE BEAD (EXCEPT AUS,EA)		R107	1-216-833-11	METAL CHIP 10K 5%	1/10W
FB114	1-414-227-11	INDUCTOR, FERRITE BEAD (AUS,EA)					
FB115	1-414-226-21	INDUCTOR, FERRITE BEAD (EXCEPT AUS,EA)		R108	1-216-857-11	METAL CHIP 1M 5%	1/10W
FB115	1-414-227-11	INDUCTOR, FERRITE BEAD (AUS,EA)		R109	1-216-864-11	SHORT CHIP 0	
FB401	1-469-324-21	FERRITE, EMI (SMD) (2012)		R110	1-216-841-11	METAL CHIP 47K 5%	1/10W
FB402	1-469-324-21	FERRITE, EMI (SMD) (2012)		R111	1-216-809-11	METAL CHIP 100 5%	1/10W
FB403	1-469-324-21	FERRITE, EMI (SMD) (2012)		R112	1-211-977-11	METAL CHIP 22 0.5%	1/10W
FB404	1-469-324-21	FERRITE, EMI (SMD) (2012)		R113	1-211-977-11	METAL CHIP 22 0.5%	1/10W
FB405	1-469-324-21	FERRITE, EMI (SMD) (2012)		R114	1-216-845-11	METAL CHIP 100K 5%	1/10W
FB406	1-469-324-21	FERRITE, EMI (SMD) (2012)		R115	1-211-977-11	METAL CHIP 22 0.5%	1/10W
FB1501	1-400-330-21	INDUCTOR, FERRITE BEAD (AUS,EA)		R116	1-216-821-11	METAL CHIP 1K 5%	1/10W
FB1502	1-400-330-21	INDUCTOR, FERRITE BEAD (AUS,EA)		R117	1-216-841-11	METAL CHIP 47K 5%	1/10W
FB3504	1-414-229-11	INDUCTOR, FERRITE BEAD (AUS,EA)		R118	1-216-801-11	METAL CHIP 22 5%	1/10W
FB3505	1-414-229-11	INDUCTOR, FERRITE BEAD (AUS,EA)		R120	1-216-801-11	METAL CHIP 22 5%	1/10W
		< FILTER >		R121	1-216-801-11	METAL CHIP 22 5%	1/10W
FL101	1-234-177-21	FILTER, CHIP EMI		R122	1-216-864-11	SHORT CHIP 0	
FL104	1-234-177-21	FILTER, CHIP EMI		R123	1-216-864-11	SHORT CHIP 0	
FL105	1-234-177-21	FILTER, CHIP EMI		R124	1-216-841-11	METAL CHIP 47K 5%	1/10W
FL106	1-234-177-21	FILTER, CHIP EMI		R126	1-216-864-11	SHORT CHIP 0	
FL107	1-234-177-21	FILTER, CHIP EMI		R127	1-216-809-11	METAL CHIP 100 5%	1/10W
FL108	1-234-177-21	FILTER, CHIP EMI		R136	1-216-835-11	METAL CHIP 15K 5%	1/10W
FL401	1-234-177-21	FILTER, CHIP EMI		R138	1-216-845-11	METAL CHIP 100K 5%	1/10W
FL402	1-233-893-21	FILTER, CHIP EMI		R141	1-218-916-11	METAL CHIP 750K 0.5%	1/10W
FL403	1-234-177-21	FILTER, CHIP EMI		R142	1-216-845-11	METAL CHIP 100K 5%	1/10W
		< IC >		R146	1-216-805-11	METAL CHIP 47 5%	1/10W
IC101	6-807-239-01	IC MX29LV320CBTC70-CBA3-0701CE (E3,AUS,EA)		R151	1-216-805-11	METAL CHIP 47 5%	1/10W
IC101	6-807-240-01	IC MX29LV320CBTC70-CBA3-0701GA (MY,SP)		R152	1-216-864-11	SHORT CHIP 0	
IC101	6-807-431-01	IC MX29LV320CBTC70-CBA3-0701UC (E2,E51)		R153	1-216-805-11	METAL CHIP 47 5%	1/10W
IC102	6-707-535-01	IC CXD9849R		R155	1-216-805-11	METAL CHIP 47 5%	1/10W
IC103	(Not supplied)	IC BR24L64F-WE2		R160	1-216-805-11	METAL CHIP 47 5%	1/10W
IC104	6-709-370-01	IC A2V64S40CTP-G75		R161	1-216-809-11	METAL CHIP 100 5%	1/10W
IC105	6-702-302-01	IC TK11133CSCL-G		R164	1-216-809-11	METAL CHIP 100 5%	1/10W
IC106	6-709-213-01	IC NJM2387ADL3(TE2)		R169	1-216-833-11	METAL CHIP 10K 5%	1/10W
IC107	6-702-302-01	IC TK11133CSCL-G					
IC201	6-704-524-01	IC FAN8036L		R187	1-216-864-11	SHORT CHIP 0	
IC301	6-704-222-01	IC AK4358VQ-L		R189	1-218-827-11	METAL CHIP 150 0.5%	1/10W
IC3601	6-710-840-01	IC AK5358AET-E2		R190	1-218-827-11	METAL CHIP 150 0.5%	1/10W
IC3711	8-759-359-49	IC NJM3414AV(TE2)		R191	1-216-821-11	METAL CHIP 1K 5%	1/10W
IC3731	8-759-359-49	IC NJM3414AV(TE2)		R192	1-218-827-11	METAL CHIP 150 0.5%	1/10W
IC3751	8-759-359-49	IC NJM3414AV(TE2)					
IC3771	8-759-359-49	IC NJM3414AV(TE2)		R193	1-216-821-11	METAL CHIP 1K 5%	1/10W
		< COIL >		R195	1-218-827-11	METAL CHIP 150 0.5%	1/10W
L3602	1-469-555-21	INDUCTOR 10uH		R196	1-216-864-11	SHORT CHIP 0	
		< TRANSISTOR >		R197	1-218-827-11	METAL CHIP 150 0.5%	1/10W
Q101	6-550-008-01	TRANSISTOR UM6K1N-TN		R204	1-216-822-11	METAL CHIP 1.2K 5%	1/10W
Q102	6-550-653-01	TRANSISTOR QST8TR					
Q103	8-729-027-52	TRANSISTOR DTC124EKA-T146		R205	1-216-833-11	METAL CHIP 10K 5%	1/10W
				R206	1-216-833-11	METAL CHIP 10K 5%	1/10W
				R207	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
				R208	1-216-839-11	METAL CHIP 33K 5%	1/10W
				R209	1-216-839-11	METAL CHIP 33K 5%	1/10W
				R210	1-216-841-11	METAL CHIP 47K 5%	1/10W
				R212	1-216-833-11	METAL CHIP 10K 5%	1/10W
				R213	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
				R214	1-216-835-11	METAL CHIP 15K 5%	1/10W
				R215	1-216-834-11	METAL CHIP 12K 5%	1/10W

When IC103 on the DMB16 board are damaged, exchange the new DMB16 board for the DMB16 board which IC damaged.

HCD-ZUX10D

Ver. 1.3

DMB16

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R216	1-216-834-11	METAL CHIP	12K 5% 1/10W	R1548	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R219	1-216-838-11	METAL CHIP	27K 5% 1/10W	R1549	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R220	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1550	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R221	1-218-889-11	METAL CHIP	56K 0.5% 1/10W	R1551	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R223	1-218-895-11	METAL CHIP	100K 0.5% 1/10W	R1553	1-216-864-11	SHORT CHIP	0
R224	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1554	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R225	1-218-895-11	METAL CHIP	100K 0.5% 1/10W	R1557	1-216-809-11	METAL CHIP	100 5% 1/10W
R226	1-218-889-11	METAL CHIP	56K 0.5% 1/10W	R1559	1-216-833-11	METAL CHIP	10K 5% 1/10W
R230	1-218-893-11	METAL CHIP	82K 0.5% 1/10W	R1561	1-216-864-11	SHORT CHIP	0
R231	1-218-875-11	METAL CHIP	15K 0.5% 1/10W	R2504	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R232	1-218-877-11	METAL CHIP	18K 0.5% 1/10W	R3504	1-216-864-11	SHORT CHIP	0 (EXCEPT AUS,EA)
R233	1-218-883-11	METAL CHIP	33K 0.5% 1/10W	R3505	1-216-864-11	SHORT CHIP	0 (EXCEPT AUS,EA)
R234	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3506	1-216-864-11	SHORT CHIP	0
R246	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R3507	1-216-809-11	METAL CHIP	100 5% 1/10W
R247	1-216-821-11	METAL CHIP	1K 5% 1/10W	R3508	1-216-809-11	METAL CHIP	100 5% 1/10W
R314	1-216-809-11	METAL CHIP	100 5% 1/10W	R3601	1-216-864-11	SHORT CHIP	0
R319	1-216-864-11	SHORT CHIP	0 (EXCEPT AUS,EA)	R3602	1-216-833-11	METAL CHIP	10K 5% 1/10W
R319	1-400-330-21	INDUCTOR, FERRITE BEAD (AUS,EA)		R3604	1-216-833-11	METAL CHIP	10K 5% 1/10W
R321	1-216-864-11	SHORT CHIP	0	R3605	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1101	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R3606	1-216-809-11	METAL CHIP	100 5% 1/10W
R1102	1-218-827-11	METAL CHIP	150 0.5% 1/10W	R3607	1-216-864-11	SHORT CHIP	0
R1103	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3608	1-216-864-11	SHORT CHIP	0
R1104	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3609	1-216-864-11	SHORT CHIP	0
R1105	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3610	1-216-809-11	METAL CHIP	100 5% 1/10W
R1109	1-216-864-11	SHORT CHIP	0	R3611	1-216-864-11	SHORT CHIP	0
R1110	1-216-826-11	METAL CHIP	2.7K 5% 1/10W	R3621	1-216-864-11	SHORT CHIP	0
R1120	1-216-864-11	SHORT CHIP	0	R3631	1-216-864-11	SHORT CHIP	0
R1121	1-216-864-11	SHORT CHIP	0	R3633	1-216-809-11	METAL CHIP	100 5% 1/10W
R1122	1-216-864-11	SHORT CHIP	0	R3634	1-216-864-11	SHORT CHIP	0
R1123	1-216-864-11	SHORT CHIP	0	R3635	1-216-864-11	SHORT CHIP	0
R1124	1-216-864-11	SHORT CHIP	0	R3636	1-216-864-11	SHORT CHIP	0
R1125	1-216-864-11	SHORT CHIP	0	R3651	1-216-864-11	SHORT CHIP	0
R1126	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3652	1-216-864-11	SHORT CHIP	0
R1129	1-216-845-11	METAL CHIP	100K 5% 1/10W	R3653	1-216-864-11	SHORT CHIP	0
R1133	1-216-864-11	SHORT CHIP	0	R3711	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R1134	1-216-864-11	SHORT CHIP	0	R3712	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R1138	1-216-817-11	METAL CHIP	470 5% 1/10W	R3713	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
R1139	1-216-821-11	METAL CHIP	1K 5% 1/10W	R3714	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
R1150	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R3715	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1151	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R3716	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1152	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R3717	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1161	1-216-864-11	SHORT CHIP	0	R3718	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1168	1-216-815-11	METAL CHIP	330 5% 1/10W	R3719	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1171	1-216-809-11	METAL CHIP	100 5% 1/10W	R3721	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R1502	1-216-864-11	SHORT CHIP	0	R3722	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R1504	1-400-244-11	BEAD, FERRITE (CHIP) (1608)		R3723	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
R1524	1-216-809-11	METAL CHIP	100 5% 1/10W (EXCEPT AUS,EA)	R3724	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
R1526	1-216-809-11	METAL CHIP	100 5% 1/10W (EXCEPT AUS,EA)	R3725	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1527	1-216-864-11	SHORT CHIP	0	R3726	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1530	1-216-805-11	METAL CHIP	47 5% 1/10W	R3727	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1531	1-216-805-11	METAL CHIP	47 5% 1/10W	R3728	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R1540	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R3729	1-216-821-11	METAL CHIP	1K 5% 1/10W
R1542	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3731	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R1543	1-216-833-11	METAL CHIP	10K 5% 1/10W	R3732	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R1544	1-216-864-11	SHORT CHIP	0	R3733	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
R1546	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R3734	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
R1547	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R3735	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
				R3736	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R3737	1-216-821-11	METAL CHIP	1K 5% 1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R3738	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R5001	1-216-864-11	SHORT CHIP 0	
R3739	1-216-821-11	METAL CHIP	1K 5% 1/10W	R5014	1-216-864-11	SHORT CHIP 0 (E2,E51)	
R3741	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	R5016	1-216-864-11	SHORT CHIP 0 (E3,AUS,EA)	
R3742	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	R5017	1-216-864-11	SHORT CHIP 0 (MY,SP)	
R3743	1-216-828-11	METAL CHIP	3.9K 5% 1/10W			< NETWORK RESISTOR >	
R3744	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	RB103	1-234-371-21	RES, NETWORK 47X4 (1005)	
R3745	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	RB104	1-234-371-21	RES, NETWORK 47X4 (1005)	
R3746	1-216-821-11	METAL CHIP	1K 5% 1/10W	RB105	1-234-370-21	RES, NETWORK 22X4 (1005)	
R3747	1-216-821-11	METAL CHIP	1K 5% 1/10W	RB106	1-234-370-21	RES, NETWORK 22X4 (1005)	
R3748	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	RB107	1-234-371-21	RES, NETWORK 47X4 (1005)	
R3749	1-216-821-11	METAL CHIP	1K 5% 1/10W	RB108	1-234-372-11	RES, NETWORK 100X4 (1005)	
R3751	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	RB111	1-234-371-21	RES, NETWORK 47X4 (1005)	
R3752	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	RB112	1-234-370-21	RES, NETWORK 22X4 (1005)	
R3753	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	RB113	1-234-370-21	RES, NETWORK 22X4 (1005)	
R3754	1-216-828-11	METAL CHIP	3.9K 5% 1/10W			< VIBRATOR >	
R3755	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	X101	1-813-539-11	QUARTZ CRYSTAL UNIT (27MHz)	
R3756	1-216-821-11	METAL CHIP	1K 5% 1/10W			*****	
R3757	1-216-821-11	METAL CHIP	1K 5% 1/10W			DRIVER BOARD	
R3758	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			*****	
R3759	1-216-821-11	METAL CHIP	1K 5% 1/10W			< CAPACITOR >	
R3761	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	C715	1-126-933-11	ELECT 100uF 20% 16V	
R3762	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	C731	1-126-964-11	ELECT 10uF 20% 50V	
R3763	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	C735	1-164-159-11	CERAMIC 0.1uF 50V	
R3764	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	C736	1-164-159-11	CERAMIC 0.1uF 50V	
R3765	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C737	1-164-159-11	CERAMIC 0.1uF 50V	
R3766	1-216-821-11	METAL CHIP	1K 5% 1/10W	C741	1-162-306-11	CERAMIC 0.01uF 20% 16V	
R3767	1-216-821-11	METAL CHIP	1K 5% 1/10W	C751	1-162-306-11	CERAMIC 0.01uF 20% 16V	
R3768	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C752	1-164-159-11	CERAMIC 0.1uF 50V	
R3769	1-216-821-11	METAL CHIP	1K 5% 1/10W			< CONNECTOR >	
R3771	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	CN701	1-784-735-11	CONNECTOR, FFC 13P	
R3772	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	CN702	1-784-766-11	CONNECTOR, FFC 5P	
R3773	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
R3774	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGLE) 2P	
R3775	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			< DIODE >	
R3776	1-216-821-11	METAL CHIP	1K 5% 1/10W	D701	8-719-947-16	DIODE MTZJ-T-72-5.1A	
R3777	1-216-821-11	METAL CHIP	1K 5% 1/10W	D711	8-719-983-66	DIODE MTZJ-T-72-3.6B	
R3778	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			< IC >	
R3779	1-216-821-11	METAL CHIP	1K 5% 1/10W	IC701	8-759-598-69	IC BA6956AN	
R3781	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	IC712	8-759-598-69	IC BA6956AN	
R3782	1-216-823-11	METAL CHIP	1.5K 5% 1/10W			< TRANSISTOR >	
R3783	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	Q731	8-729-029-66	TRANSISTOR DTC114ESA	
R3784	1-216-828-11	METAL CHIP	3.9K 5% 1/10W			< RESISTOR >	
R3785	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R701	1-249-413-11	CARBON 470 5% 1/4W	
R3786	1-216-821-11	METAL CHIP	1K 5% 1/10W	R702	1-247-807-31	CARBON 100 5% 1/4W	
R3787	1-216-821-11	METAL CHIP	1K 5% 1/10W	R711	1-247-831-11	CARBON 1K 5% 1/4W	
R3788	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R712	1-247-847-11	CARBON 4.7K 5% 1/4W	
R3789	1-216-821-11	METAL CHIP	1K 5% 1/10W	R713	1-247-863-11	CARBON 22K 5% 1/4W	
R3801	1-216-864-11	SHORT CHIP	0 (EXCEPT AUS,EA)	R721	1-247-847-11	CARBON 4.7K 5% 1/4W	
R3801	1-400-330-21	INDUCTOR, FERRITE BEAD (AUS,EA)		R722	1-247-847-11	CARBON 4.7K 5% 1/4W	
R3802	1-216-864-11	SHORT CHIP	0	R723	1-247-847-11	CARBON 4.7K 5% 1/4W	
R3803	1-216-833-11	METAL CHIP	10K 5% 1/10W				
R3804	1-216-836-11	METAL CHIP	18K 5% 1/10W				
R3805	1-216-821-11	METAL CHIP	1K 5% 1/10W				
R4701	1-216-864-11	SHORT CHIP	0				
R4702	1-216-864-11	SHORT CHIP	0				
R4703	1-216-864-11	SHORT CHIP	0				
R4704	1-216-864-11	SHORT CHIP	0				
R4705	1-216-864-11	SHORT CHIP	0				
R4706	1-216-864-11	SHORT CHIP	0				

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DRIVER EFFECTOR

Ref. No.	Part No.	Description	Quantity	Value	Remark
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-247-831-11	CARBON	1K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W
R736	1-249-412-11	CARBON	390	5%	1/4W

R751	1-247-847-11	CARBON	4.7K	5%	1/4W
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EFFECTOR BOARD

< CAPACITOR >

C1511	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1512	1-126-956-11	ELECT	0.1uF	20%	50V
C1513	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1514	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1515	1-126-947-11	ELECT	47uF	20%	35V

C1517	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1518	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C1519	1-136-159-00	FILM	0.033uF	5%	50V
C1520	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1521	1-162-961-11	CERAMIC CHIP	330PF	10%	50V

C1522	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1524	1-126-957-11	ELECT	0.22uF	20%	50V
C1525	1-126-957-11	ELECT	0.22uF	20%	50V
C1526	1-136-497-81	FILM	0.1uF	5%	50V
C1527	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V

C1528	1-104-658-11	ELECT	100uF	20%	10V
C1529	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C1530	1-136-159-00	FILM	0.033uF	5%	50V
C1531	1-126-947-11	ELECT	47uF	20%	35V
C1533	1-162-961-11	CERAMIC CHIP	330PF	10%	50V

C1534	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1535	1-136-159-00	FILM	0.033uF	5%	50V
C1536	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1537	1-126-956-11	ELECT	0.1uF	20%	50V
C1540	1-126-957-11	ELECT	0.22uF	20%	50V

C1541	1-126-957-11	ELECT	0.22uF	20%	50V
C1542	1-130-479-00	MYLAR	0.0047uF	5%	50V
C1543	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C1544	1-130-479-00	MYLAR	0.0047uF	5%	50V
C1545	1-126-964-11	ELECT	10uF	20%	50V

C1546	1-126-964-11	ELECT	10uF	20%	50V
C1547	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C1548	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1552	1-126-964-11	ELECT	10uF	20%	50V
C1554	1-126-964-11	ELECT	10uF	20%	50V

C1555	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1559	1-126-964-11	ELECT	10uF	20%	50V
C1560	1-126-964-11	ELECT	10uF	20%	50V
C1561	1-126-964-11	ELECT	10uF	20%	50V
C1562	1-126-964-11	ELECT	10uF	20%	50V

C1563	1-126-961-11	ELECT	2.2uF	20%	50V
C1564	1-126-961-11	ELECT	2.2uF	20%	50V
C1565	1-126-961-11	ELECT	2.2uF	20%	50V
C1568	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1570	1-126-947-11	ELECT	47uF	20%	35V

C1572	1-164-156-11	CERAMIC CHIP	0.1uF		25V
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Ref. No.	Part No.	Description	Quantity	Value	Remark
C1574	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1577	1-126-947-11	ELECT	47uF	20%	35V
C1584	1-104-658-11	ELECT	100uF	20%	10V
C1601	1-126-964-11	ELECT	10uF	20%	50V
C1602	1-126-964-11	ELECT	10uF	20%	50V

C2330	1-136-497-81	FILM	0.1uF	5%	50V
C2331	1-136-159-00	FILM	0.033uF	5%	50V

< CONNECTOR >

CN1502	1-779-287-11	CONNECTOR, FFC (LIF(NON-ZIF)) 19P
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< DIODE >

D1502	6-501-169-01	DIODE UDZW-TE17-6.2B
D1503	8-719-404-50	DIODE MA111-TX
D1504	8-719-404-50	DIODE MA111-TX
D1505	8-719-404-50	DIODE MA111-TX
D1506	8-719-404-50	DIODE MA111-TX

D1507	8-719-404-50	DIODE MA111-TX
D1508	8-719-404-50	DIODE MA111-TX

< IC >

IC1501	8-759-496-41	IC M65850FP-E1
IC1502	6-709-217-01	IC TC74LVX4051FT
IC1503	6-709-217-01	IC TC74LVX4051FT
IC1504	8-759-496-41	IC M65850FP-E1
IC1505	8-759-710-97	IC NJM4565M-D

< COIL >

L1500	1-414-183-41	INDUCTOR 10uH
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< TRANSISTOR >

Q1500	8-729-055-10	FET 2SK3378ENTL
Q1501	8-729-055-10	FET 2SK3378ENTL
Q1502	8-729-055-10	FET 2SK3378ENTL
Q1503	8-729-055-10	FET 2SK3378ENTL
Q1504	8-729-055-10	FET 2SK3378ENTL

Q1505	8-729-055-10	FET 2SK3378ENTL
Q1506	8-729-055-10	FET 2SK3378ENTL
Q1507	8-729-056-46	TRANSISTOR 2SC5053T100Q
Q1508	8-729-055-10	FET 2SK3378ENTL
Q1509	8-729-027-43	TRANSISTOR DTC114EKA-T146

Q1510	8-729-027-43	TRANSISTOR DTC114EKA-T146
Q1511	8-729-027-43	TRANSISTOR DTC114EKA-T146
Q1512	8-729-027-43	TRANSISTOR DTC114EKA-T146
Q1513	8-729-027-43	TRANSISTOR DTC114EKA-T146
Q1514	8-729-027-43	TRANSISTOR DTC114EKA-T146

< RESISTOR >

R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W

R1510	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1511	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1512	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1514	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1515	1-216-836-11	METAL CHIP	18K	5%	1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1516	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1596	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1517	1-216-833-11	METAL CHIP	10K 5% 1/10W	R1597	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1519	1-216-840-11	METAL CHIP	39K 5% 1/10W	R1598	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1522	1-216-864-11	SHORT CHIP	0	R1599	1-216-833-11	METAL CHIP	10K 5% 1/10W
R1525	1-216-809-11	METAL CHIP	100 5% 1/10W	R1600	1-216-838-11	METAL CHIP	27K 5% 1/10W
R1527	1-216-809-11	METAL CHIP	100 5% 1/10W	R1601	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1530	1-216-817-11	METAL CHIP	470 5% 1/10W	R1602	1-216-838-11	METAL CHIP	27K 5% 1/10W
R1531	1-218-289-11	METAL CHIP	510 5% 1/10W	R1603	1-216-845-11	METAL CHIP	100K 5% 1/10W
R1532	1-216-818-11	METAL CHIP	560 5% 1/10W	R1604	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1533	1-216-819-11	METAL CHIP	680 5% 1/10W	R1605	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1534	1-218-484-11	METAL CHIP	750 5% 1/10W	R1606	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1535	1-216-820-11	METAL CHIP	820 5% 1/10W	R1607	1-216-837-11	METAL CHIP	22K 5% 1/10W
R1536	1-218-457-11	METAL CHIP	910 5% 1/10W	*****			
R1538	1-216-838-11	METAL CHIP	27K 5% 1/10W	FL BOARD			
R1539	1-216-821-11	METAL CHIP	1K 5% 1/10W	*****			
R1540	1-216-822-11	METAL CHIP	1.2K 5% 1/10W	< CAPACITOR >			
R1541	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	C903	1-124-257-00	ELECT	2.2uF 20% 50V
R1542	1-216-824-11	METAL CHIP	1.8K 5% 1/10W	C905	1-124-257-00	ELECT	2.2uF 20% 50V
R1543	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C907	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
R1544	1-216-836-11	METAL CHIP	18K 5% 1/10W	C908	1-124-589-11	ELECT	47uF 20% 16V
R1545	1-216-839-11	METAL CHIP	33K 5% 1/10W	C917	1-115-156-11	CERAMIC CHIP	1uF 10V
R1546	1-216-836-11	METAL CHIP	18K 5% 1/10W	C918	1-115-156-11	CERAMIC CHIP	1uF 10V
R1547	1-216-833-11	METAL CHIP	10K 5% 1/10W	C919	1-115-156-11	CERAMIC CHIP	1uF 10V
R1552	1-216-836-11	METAL CHIP	18K 5% 1/10W	C920	1-115-156-11	CERAMIC CHIP	1uF 10V
R1553	1-216-836-11	METAL CHIP	18K 5% 1/10W	C921	1-115-156-11	CERAMIC CHIP	1uF 10V
R1554	1-216-836-11	METAL CHIP	18K 5% 1/10W	C922	1-124-261-00	ELECT	10uF 20% 50V
R1555	1-216-836-11	METAL CHIP	18K 5% 1/10W	C923	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R1556	1-216-836-11	METAL CHIP	18K 5% 1/10W	C924	1-164-156-11	CERAMIC CHIP	0.1uF 25V
R1561	1-216-840-11	METAL CHIP	39K 5% 1/10W	C925	1-124-261-00	ELECT	10uF 20% 50V
R1563	1-216-864-11	SHORT CHIP	0	C926	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
R1564	1-216-838-11	METAL CHIP	27K 5% 1/10W	C927	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
R1565	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C928	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V
R1566	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	C929	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V
R1567	1-216-837-11	METAL CHIP	22K 5% 1/10W	C930	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V
R1568	1-216-837-11	METAL CHIP	22K 5% 1/10W	C931	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
R1569	1-216-845-11	METAL CHIP	100K 5% 1/10W	C932	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
R1570	1-216-845-11	METAL CHIP	100K 5% 1/10W	C933	1-115-156-11	CERAMIC CHIP	1uF 10V
R1571	1-216-845-11	METAL CHIP	100K 5% 1/10W	C934	1-115-156-11	CERAMIC CHIP	1uF 10V
R1572	1-216-821-11	METAL CHIP	1K 5% 1/10W	C935	1-124-261-00	ELECT	10uF 20% 50V
R1573	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C936	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V
R1574	1-216-845-11	METAL CHIP	100K 5% 1/10W	C948	1-124-261-00	ELECT	10uF 20% 50V
R1575	1-216-821-11	METAL CHIP	1K 5% 1/10W	C949	1-164-156-11	CERAMIC CHIP	0.1uF 25V
R1576	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C950	1-164-156-11	CERAMIC CHIP	0.1uF 25V
R1577	1-216-833-11	METAL CHIP	10K 5% 1/10W	C951	1-164-156-11	CERAMIC CHIP	0.1uF 25V
R1578	1-216-833-11	METAL CHIP	10K 5% 1/10W	C952	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1579	1-216-845-11	METAL CHIP	100K 5% 1/10W	C953	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1580	1-216-837-11	METAL CHIP	22K 5% 1/10W	C954	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1581	1-216-837-11	METAL CHIP	22K 5% 1/10W	C955	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1582	1-216-845-11	METAL CHIP	100K 5% 1/10W	C956	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1583	1-216-833-11	METAL CHIP	10K 5% 1/10W	C957	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1588	1-216-836-11	METAL CHIP	18K 5% 1/10W	C958	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1589	1-216-803-11	METAL CHIP	33 5% 1/10W	C959	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1590	1-216-841-11	METAL CHIP	47K 5% 1/10W	C962	1-164-156-11	CERAMIC CHIP	0.1uF 25V
R1591	1-216-841-11	METAL CHIP	47K 5% 1/10W	C975	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
R1592	1-216-864-11	SHORT CHIP	0	C977	1-164-156-11	CERAMIC CHIP	0.1uF 25V
R1593	1-216-864-11	SHORT CHIP	0	C981	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
R1594	1-216-864-11	SHORT CHIP	0				
R1595	1-216-864-11	SHORT CHIP	0				

HCD-ZUX10D

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C982	1-119-941-11	ELECT	470uF 20% 6.3V	Q912	8-729-027-56	TRANSISTOR DTC143TKA-T146	
C983	1-119-941-11	ELECT	470uF 20% 6.3V	Q913	8-729-027-56	TRANSISTOR DTC143TKA-T146	
C984	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	Q914	8-729-027-43	TRANSISTOR DTC114EKA-T146	
C1024	1-162-960-11	CERAMIC CHIP	220PF 10% 50V			< RESISTOR >	
C1025	1-162-960-11	CERAMIC CHIP	220PF 10% 50V				
C1026	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	R934	1-216-817-11	METAL CHIP 470 5% 1/10W	
C1027	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R936	1-216-817-11	METAL CHIP 470 5% 1/10W	
C1028	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R938	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C1029	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R939	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C1030	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R940	1-216-833-11	METAL CHIP 10K 5% 1/10W	
C1031	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R941	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1032	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R942	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1033	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R943	1-216-817-11	METAL CHIP 470 5% 1/10W	
C1034	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R944	1-216-819-11	METAL CHIP 680 5% 1/10W	
C1035	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R945	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C1036	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R949	1-216-833-11	METAL CHIP 10K 5% 1/10W	
C1037	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R950	1-216-833-11	METAL CHIP 10K 5% 1/10W	
C1038	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R951	1-216-833-11	METAL CHIP 10K 5% 1/10W	
C1039	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R952	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1040	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R953	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1041	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R954	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1042	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R955	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1043	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R956	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1044	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R957	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1045	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R958	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1046	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R959	1-216-809-11	METAL CHIP 100 5% 1/10W	
C1047	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	R960	1-216-809-11	METAL CHIP 100 5% 1/10W	
		< CONNECTOR >		R961	1-216-809-11	METAL CHIP 100 5% 1/10W	
CN900	1-784-739-11	CONNECTOR, FFC 17P		R964	1-216-835-11	METAL CHIP 15K 5% 1/10W	
CN902	1-785-334-11	PIN, CONNECTOR (LIGHT ANGLE) 8P		R965	1-216-835-11	METAL CHIP 15K 5% 1/10W	
CN905	1-785-335-11	PIN, CONNECTOR (LIGHT ANGLE) 9P		R966	1-216-835-11	METAL CHIP 15K 5% 1/10W	
CN906	1-785-336-11	PIN, CONNECTOR (LIGHT ANGLE) 10P		R967	1-216-835-11	METAL CHIP 15K 5% 1/10W	
CN917	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P		R968	1-216-809-11	METAL CHIP 100 5% 1/10W	
CN918	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P		R969	1-216-809-11	METAL CHIP 100 5% 1/10W	
CN919	1-785-328-11	PIN, CONNECTOR (LIGHT ANGLE) 2P		R970	1-216-809-11	METAL CHIP 100 5% 1/10W	
		< DIODE >		R971	1-216-809-11	METAL CHIP 100 5% 1/10W	
D911	6-501-171-01	DIODE UDZW-TE17-7.5B		R973	1-216-809-11	METAL CHIP 100 5% 1/10W	
D912	6-500-522-21	DIODE 10EDB40-TB3		R974	1-216-809-11	METAL CHIP 100 5% 1/10W	
D914	6-500-522-21	DIODE 10EDB40-TB3		R975	1-216-809-11	METAL CHIP 100 5% 1/10W	
		< VACUUM FLUORESCENT DISPLAY >		R977	1-216-809-11	METAL CHIP 100 5% 1/10W	
FL900	1-519-955-11	VACUUM FLUORESCENT DISPLAY		R978	1-216-864-11	SHORT CHIP 0	
		< IC >		R979	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC900	6-807-468-01	IC MB90M407PF-G-153-BND		R980	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC903	6-711-556-01	IC NJL24H400B-SA (IR)		R981	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC904	6-705-678-01	IC NJM2760V-TE2		R982	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< TRANSISTOR >		R983	1-216-857-11	METAL CHIP 1M 5% 1/10W	
Q906	8-729-027-43	TRANSISTOR DTC114EKA-T146		R989	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q907	8-729-106-60	TRANSISTOR 2SB1115A-YQ		R990	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q908	8-729-027-43	TRANSISTOR DTC114EKA-T146		R992	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q909	8-729-106-60	TRANSISTOR 2SB1115A-YQ		R993	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q910	8-729-027-56	TRANSISTOR DTC143TKA-T146		R994	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q911	8-729-027-56	TRANSISTOR DTC143TKA-T146		R995	1-216-821-11	METAL CHIP 1K 5% 1/10W	
				R996	1-216-835-11	METAL CHIP 15K 5% 1/10W	
				R997	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R998	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
				R999	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
				R1000	1-216-842-11	METAL CHIP 56K 5% 1/10W	
				R1001	1-216-839-11	METAL CHIP 33K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R1002	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
R1060	1-216-845-11	METAL CHIP 100K 5%	1/10W
R1061	1-216-845-11	METAL CHIP 100K 5%	1/10W
R1062	1-216-845-11	METAL CHIP 100K 5%	1/10W
R1063	1-216-845-11	METAL CHIP 100K 5%	1/10W
R1074	1-216-805-11	METAL CHIP 47 5%	1/10W
< SWITCH >			
S905	1-771-410-21	SWITCH, TACTILE (TV/SAT)	
S906	1-771-410-21	SWITCH, TACTILE (VIDEO)	
S907	1-771-410-21	SWITCH, TACTILE (TAPE B)	
S908	1-771-410-21	SWITCH, TACTILE (DISPLAY)	
< VIBRATOR >			
X900	1-781-282-51	VIBRATOR, CERAMIC (4MHz)	

HP-VIDEO BOARD *****			
< CAPACITOR >			
C985	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C986	1-100-566-11	CERAMIC CHIP 0.1uF 10%	25V
C987	1-164-230-11	CERAMIC CHIP 220PF 5%	50V
C988	1-164-230-11	CERAMIC CHIP 220PF 5%	50V
C992	1-164-156-11	CERAMIC CHIP 0.1uF	25V
< CONNECTOR >			
CN901	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P	
< DIODE >			
D919	6-501-170-01	DIODE UDZW-TE17-6.8B	
D920	6-501-170-01	DIODE UDZW-TE17-6.8B	
D921	6-501-579-01	DIODE MC2837	
< JUMPER RESISTOR >			
FB900	1-216-864-11	SHORT CHIP 0	
FB901	1-216-864-11	SHORT CHIP 0	
< JACK >			
J900	1-764-592-11	JACK, PIN 3P (VIDEO INPUT)	
J904	1-817-629-11	JACK (LARGE TYPE) (PHONES)	
< JUMPER RESISTOR >			
JR904	1-216-864-11	SHORT CHIP 0	
JR905	1-216-864-11	SHORT CHIP 0	
JR906	1-216-864-11	SHORT CHIP 0	
< RESISTOR >			
R1003	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
R1004	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
R1008	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R1009	1-216-827-11	METAL CHIP 3.3K 5%	1/10W

Ref. No.	Part No.	Description	Remark
ILLUMINATION BOARD *****			
< CAPACITOR >			
C900	1-216-864-11	SHORT CHIP 0	
C909	1-162-953-11	CERAMIC CHIP 100PF 5%	50V
C910	1-162-953-11	CERAMIC CHIP 100PF 5%	50V
< DIODE >			
D903	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 1))	
D904	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 2))	
D905	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 3))	
D906	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 4))	
D907	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 5))	
D908	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 6))	
D909	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 7))	
D910	8-719-064-63	LED SELU5823A-TP15 (VOL ILLUMINATION (VOL 8))	
< TRANSISTOR >			
Q902	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q903	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q904	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q905	8-729-027-43	TRANSISTOR DTC114EKA-T146	
< RESISTOR >			
R910	1-216-821-11	METAL CHIP 1K 5%	1/10W
R911	1-216-821-11	METAL CHIP 1K 5%	1/10W
R912	1-216-821-11	METAL CHIP 1K 5%	1/10W
R913	1-216-821-11	METAL CHIP 1K 5%	1/10W
R914	1-216-821-11	METAL CHIP 1K 5%	1/10W
R915	1-216-821-11	METAL CHIP 1K 5%	1/10W
R916	1-216-821-11	METAL CHIP 1K 5%	1/10W
R917	1-216-821-11	METAL CHIP 1K 5%	1/10W
R918	1-216-821-11	METAL CHIP 1K 5%	1/10W
R919	1-216-821-11	METAL CHIP 1K 5%	1/10W
R920	1-216-821-11	METAL CHIP 1K 5%	1/10W
R921	1-216-821-11	METAL CHIP 1K 5%	1/10W
R922	1-216-821-11	METAL CHIP 1K 5%	1/10W
R923	1-216-821-11	METAL CHIP 1K 5%	1/10W
R924	1-216-821-11	METAL CHIP 1K 5%	1/10W
R925	1-216-821-11	METAL CHIP 1K 5%	1/10W

KARAOKE BOARD *****			
< CAPACITOR >			
C2000	1-124-584-00	ELECT 100uF 20%	6.3V
C2001	1-124-589-11	ELECT 47uF 20%	16V
C2002	1-124-589-11	ELECT 47uF 20%	16V
C2004	1-124-257-00	ELECT 2.2uF 20%	50V
C2005	1-124-589-11	ELECT 47uF 20%	16V

HCD-ZUX10D

Ver. 1.3

KARAOKE **LEFT KEY** **MAIN**

Ref. No.	Part No.	Description	Remark
C2006	1-126-160-11	ELECT 1uF 20%	50V
C2007	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C2008	1-162-961-11	CERAMIC CHIP 330PF	50V
C2009	1-124-589-11	ELECT 47uF 20%	16V
C2010	1-124-257-00	ELECT 2.2uF 20%	50V
C2011	1-124-589-11	ELECT 47uF 20%	16V
C2013	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C2015	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C2016	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
< CONNECTOR >			
* CN2000	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P	
< DIODE >			
D2002	6-501-579-01	DIODE MC2837	
D2003	6-501-579-01	DIODE MC2837	
D2006	8-719-404-50	DIODE MA111-TX	
D2007	8-719-404-50	DIODE MA111-TX	
D2008	8-719-404-50	DIODE MA111-TX	
< IC >			
IC2000	8-759-359-49	IC NJM3414AV(Te2)	
IC2001	8-759-700-07	IC NJM2903M	
IC2002	8-759-700-07	IC NJM2903M	
< RESISTOR >			
R2000	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R2001	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R2002	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2004	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R2005	1-216-834-11	METAL CHIP 12K 5%	1/10W
R2007	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R2008	1-216-841-11	METAL CHIP 47K 5%	1/10W
R2009	1-216-821-11	METAL CHIP 1K 5%	1/10W
R2010	1-216-845-11	METAL CHIP 100K 5%	1/10W
R2011	1-216-864-11	SHORT CHIP 0	
R2012	1-216-841-11	METAL CHIP 47K 5%	1/10W
R2014	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2015	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R2016	1-216-841-11	METAL CHIP 47K 5%	1/10W
R2017	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R2019	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R2020	1-216-864-11	SHORT CHIP 0	
R2021	1-216-864-11	SHORT CHIP 0	
R2022	1-216-833-11	METAL CHIP 10K 5%	1/10W
R2024	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R2025	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R2026	1-216-864-11	SHORT CHIP 0	
R2028	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
R2029	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2030	1-216-864-11	SHORT CHIP 0	
R2031	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2032	1-216-822-11	METAL CHIP 1.2K 5%	1/10W
R2034	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R2035	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R2036	1-216-864-11	SHORT CHIP 0	
R2037	1-216-864-11	SHORT CHIP 0	

Ref. No.	Part No.	Description	Remark
LEFT KEY BOARD			

< CAPACITOR >			
C911	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C912	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C913	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
C914	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
< DIODE >			
D906	6-500-727-01	LED SLR-343DCT32 (FLANGER)	
D908	6-500-727-01	LED SLR-343DCT32 (DELAY)	
D912	6-501-579-01	DIODE MC2837	
< TRANSISTOR >			
Q902	8-729-027-50	TRANSISTOR DTC123JKA-T146	
< RESISTOR >			
R900	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
R901	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R902	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R903	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R904	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R905	1-216-833-11	METAL CHIP 10K 5%	1/10W
R906	1-216-835-11	METAL CHIP 15K 5%	1/10W
R907	1-216-837-11	METAL CHIP 22K 5%	1/10W
R908	1-216-839-11	METAL CHIP 33K 5%	1/10W
R952	1-216-821-11	METAL CHIP 1K 5%	1/10W
R970	1-216-821-11	METAL CHIP 1K 5%	1/10W
R971	1-216-821-11	METAL CHIP 1K 5%	1/10W
R972	1-216-821-11	METAL CHIP 1K 5%	1/10W
< SWITCH >			
S900	1-771-410-21	SWITCH, TACTILE (ROCK)	
S901	1-771-410-21	SWITCH, TACTILE (POP)	
S902	1-771-410-21	SWITCH, TACTILE (JAZZ)	
S903	1-771-410-21	SWITCH, TACTILE (DANCE)	
S904	1-771-410-21	SWITCH, TACTILE (USER EQ)	
S905	1-771-410-21	SWITCH, TACTILE (EQ BAND/MEMORY)	
S906	1-771-410-21	SWITCH, TACTILE (AMP MUTE)	
S907	1-771-410-21	SWITCH, TACTILE (FLANGER)	
S908	1-771-410-21	SWITCH, TACTILE (DELAY)	

A-1257-888-A	MAIN BOARD, COMPLETE (E3)		
A-1334-901-A	MAIN BOARD, COMPLETE (AUS)		
A-1334-913-A	MAIN BOARD, COMPLETE (MY,SP)		
A-1334-916-A	MAIN BOARD, COMPLETE (E2)		
A-1363-858-A	MAIN BOARD, COMPLETE (E51)		
A-1731-316-A	MAIN BOARD, COMPLETE (EA)		

7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		
< CAPACITOR >			
C101	1-126-964-11	ELECT 10uF 20%	50V (EXCEPT AUS)
C104	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C105	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C110	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
C111	1-162-919-11	CERAMIC CHIP 22PF 5%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C112	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C324	1-137-190-11	FILM	0.22uF	5%	50V
C115	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C325	1-126-960-11	ELECT	1uF	20%	50V
C116	1-104-656-11	ELECT	2200uF	20%	6.3V	C326	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C124	1-126-923-11	ELECT	220uF	20%	10V	C327	1-104-658-11	ELECT	100uF	20%	10V
C125	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C330	1-137-374-11	MYLAR	0.047uF	5%	50V
C126	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C332	1-137-194-81	FILM	0.47uF	5%	50V
C131	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C333	1-126-960-11	ELECT	1uF	20%	50V
C162	1-104-658-11	ELECT	100uF	20%	10V	C335	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C164	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C336	1-126-964-11	ELECT	10uF	20%	50V
C201	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V	C338	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C203	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C339	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C204	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C341	1-126-933-11	ELECT	100uF	20%	16V
C205	1-162-928-11	CERAMIC CHIP	120PF	5%	50V	C342	1-126-933-11	ELECT	100uF	20%	16V
C206	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	C343	1-164-156-11	CERAMIC CHIP	0.1uF	20%	25V
C207	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C344	1-126-933-11	ELECT	100uF	20%	16V
C208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C346	1-126-959-11	ELECT	0.47uF	20%	50V
C209	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C348	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-926-11	ELECT	1000uF	20%	10V	C349	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C223	1-164-156-11	CERAMIC CHIP	0.1uF	25V		C350	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C224	1-164-156-11	CERAMIC CHIP	0.1uF	25V		C351	1-126-964-11	ELECT	10uF	20%	50V
C240	1-126-964-11	ELECT	10uF	20%	50V	C352	1-126-964-11	ELECT	10uF	20%	50V
C245	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C353	1-126-964-11	ELECT	10uF	20%	50V
C246	1-137-150-11	FILM	0.01uF	5%	100V	C354	1-126-964-11	ELECT	10uF	20%	50V
C247	1-126-947-11	ELECT	47uF	20%	35V	C356	1-126-964-11	ELECT	10uF	20%	50V
C248	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C357	1-136-497-81	FILM	0.1uF	5%	50V
C249	1-130-481-00	MYLAR	0.0068uF	5%	50V	C358	1-126-964-11	ELECT	10uF	20%	50V
C251	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V	C360	1-130-487-00	MYLAR	0.022uF	5%	50V
C253	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C361	1-130-487-00	MYLAR	0.022uF	5%	50V
C254	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C363	1-126-964-11	ELECT	10uF	20%	50V
C255	1-162-928-11	CERAMIC CHIP	120PF	5%	50V	C364	1-130-487-00	MYLAR	0.022uF	5%	50V
C256	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	C366	1-130-483-00	MYLAR	0.01uF	5%	50V
C257	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						(EXCEPT EA)
C258	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C366	1-136-153-00	FILM	0.01uF	5%	50V (EA)
C269	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C368	1-126-964-11	ELECT	10uF	20%	50V
C270	1-136-497-81	FILM	0.1uF	5%	50V	C369	1-137-193-11	FILM	0.39uF	5%	50V
C271	1-136-497-81	FILM	0.1uF	5%	50V	C370	1-137-193-11	FILM	0.39uF	5%	50V
C273	1-126-964-11	ELECT	10uF	20%	50V	C371	1-126-963-11	ELECT	4.7uF	20%	50V
C299	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C373	1-126-964-11	ELECT	10uF	20%	50V
C300	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V	C376	1-130-483-00	MYLAR	0.01uF	5%	50V
C301	1-126-964-11	ELECT	10uF	20%	50V						(EXCEPT EA)
C302	1-126-964-11	ELECT	10uF	20%	50V	C376	1-136-153-00	FILM	0.01uF	5%	50V (EA)
C303	1-126-964-11	ELECT	10uF	20%	50V	C382	1-130-483-00	MYLAR	0.01uF	5%	50V
C304	1-126-964-11	ELECT	10uF	20%	50V						(EXCEPT EA)
C305	1-126-960-11	ELECT	1uF	20%	50V	C382	1-136-153-00	FILM	0.01uF	5%	50V (EA)
C306	1-126-964-11	ELECT	10uF	20%	50V	C383	1-126-960-11	ELECT	1uF	20%	50V
C307	1-136-497-81	FILM	0.1uF	5%	50V	C385	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C308	1-126-964-11	ELECT	10uF	20%	50V	C386	1-126-964-11	ELECT	10uF	20%	50V
C310	1-130-487-00	MYLAR	0.022uF	5%	50V	C388	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C311	1-130-487-00	MYLAR	0.022uF	5%	50V	C389	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V	C398	1-126-964-11	ELECT	10uF	20%	50V
C314	1-130-487-00	MYLAR	0.022uF	5%	50V	C400	1-126-963-11	ELECT	4.7uF	20%	50V
C316	1-130-483-00	MYLAR	0.01uF	5%	50V	C401	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
					(EXCEPT EA)	C402	1-126-964-11	ELECT	10uF	20%	50V
C316	1-136-153-00	FILM	0.01uF	5%	50V (EA)	C403	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C318	1-126-964-11	ELECT	10uF	20%	50V	C404	1-126-964-11	ELECT	10uF	20%	50V
C319	1-137-193-11	FILM	0.39uF	5%	50V	C406	1-126-964-11	ELECT	10uF	20%	50V
C320	1-137-193-11	FILM	0.39uF	5%	50V	C407	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C321	1-126-963-11	ELECT	4.7uF	20%	50V	C408	1-126-964-11	ELECT	10uF	20%	50V
C323	1-137-194-81	FILM	0.47uF	5%	50V	C409	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

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MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C410	1-126-964-11	ELECT	10uF	20%	50V	C522	1-126-960-11	ELECT	1uF	20%	50V
C411	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C523	1-126-960-11	ELECT	1uF	20%	50V
C412	1-126-964-11	ELECT	10uF	20%	50V	C524	1-126-963-11	ELECT	4.7uF	20%	50V
C413	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C525	1-126-963-11	ELECT	4.7uF	20%	50V
C414	1-126-964-11	ELECT	10uF	20%	50V	C526	1-126-926-11	ELECT	1000uF	20%	10V
C415	1-126-964-11	ELECT	10uF	20%	50V	C527	1-126-963-11	ELECT	4.7uF	20%	50V
C416	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C528	1-126-963-11	ELECT	4.7uF	20%	50V
C417	1-126-923-11	ELECT	220uF	20%	10V	C529	1-126-963-11	ELECT	4.7uF	20%	50V
C420	1-126-960-11	ELECT	1uF	20%	50V	C530	1-126-963-11	ELECT	4.7uF	20%	50V
C421	1-136-497-81	FILM	0.1uF	5%	50V	C531	1-126-963-11	ELECT	4.7uF	20%	50V
C422	1-136-497-81	FILM	0.1uF	5%	50V	C532	1-126-963-11	ELECT	4.7uF	20%	50V
C423	1-137-195-11	FILM	0.56uF	5%	50V	C533	1-126-963-11	ELECT	4.7uF	20%	50V
C424	1-136-167-00	FILM	0.15uF	5%	50V	C534	1-126-963-11	ELECT	4.7uF	20%	50V
C425	1-126-964-11	ELECT	10uF	20%	50V	C535	1-126-963-11	ELECT	4.7uF	20%	50V
C426	1-104-658-11	ELECT	100uF	20%	10V	C536	1-126-963-11	ELECT	4.7uF	20%	50V
C427	1-104-658-11	ELECT	100uF	20%	10V	C545	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C428	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C546	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C429	1-126-964-11	ELECT	10uF	20%	50V	C550	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C430	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C551	1-126-935-11	ELECT	470uF	20%	16V
C431	1-126-964-11	ELECT	10uF	20%	50V	C552	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C440	1-126-960-11	ELECT	1uF	20%	50V	C553	1-126-935-11	ELECT	470uF	20%	16V
C450	1-126-963-11	ELECT	4.7uF	20%	50V	C554	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C451	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C556	1-126-768-11	ELECT	2200uF	20%	16V
C452	1-126-964-11	ELECT	10uF	20%	50V	C557	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C453	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C559	1-104-656-11	ELECT	2200uF	20%	6.3V
C454	1-126-964-11	ELECT	10uF	20%	50V	C560	1-126-946-11	ELECT	6800uF	20%	25V
C456	1-126-964-11	ELECT	10uF	20%	50V	C561	1-128-548-11	ELECT	4700uF	20%	25V
C457	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C563	1-130-483-00	MYLAR	0.01uF	5%	50V
C458	1-126-964-11	ELECT	10uF	20%	50V	C565	1-130-483-00	MYLAR	0.01uF	5%	50V
C459	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C567	1-130-483-00	MYLAR	0.01uF	5%	50V
C473	1-137-195-11	FILM	0.56uF	5%	50V	C569	1-130-483-00	MYLAR	0.01uF	5%	50V
C474	1-136-167-00	FILM	0.15uF	5%	50V	C570	1-126-960-11	ELECT	1uF	20%	50V
C475	1-126-964-11	ELECT	10uF	20%	50V	C571	1-126-960-11	ELECT	1uF	20%	50V
C478	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C572	1-126-960-11	ELECT	1uF	20%	50V
C479	1-126-964-11	ELECT	10uF	20%	50V	C573	1-126-960-11	ELECT	1uF	20%	50V
C480	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C574	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C481	1-126-964-11	ELECT	10uF	20%	50V	C580	1-104-655-11	ELECT	470uF	20%	6.3V
C489	1-126-964-11	ELECT	10uF	20%	50V	C581	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C490	1-126-960-11	ELECT	1uF	20%	50V	C583	1-104-656-11	ELECT	2200uF	20%	6.3V
C499	1-126-926-11	ELECT	1000uF	20%	10V	C600	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C501	1-126-964-11	ELECT	10uF	20%	50V	C601	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C502	1-126-964-11	ELECT	10uF	20%	50V	C602	1-126-767-11	ELECT	1000uF	20%	16V
C503	1-126-964-11	ELECT	10uF	20%	50V	C609	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C504	1-126-964-11	ELECT	10uF	20%	50V	C614	1-126-964-11	ELECT	10uF	20%	50V
C505	1-126-964-11	ELECT	10uF	20%	50V	C622	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C506	1-126-964-11	ELECT	10uF	20%	50V	C628	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C507	1-126-964-11	ELECT	10uF	20%	50V	C672	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C508	1-164-156-11	CERAMIC CHIP	0.1uF		25V			< CONNECTOR >			
C509	1-126-925-11	ELECT	470uF	20%	10V						
C510	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C511	1-126-925-11	ELECT	470uF	20%	10V	* CN100	1-569-934-11	SOCKET, CONNECTOR 17P			
C512	1-126-964-11	ELECT	10uF	20%	50V	CN101	1-569-928-11	SOCKET, CONNECTOR 11P			
C513	1-126-964-11	ELECT	10uF	20%	50V	CN104	1-779-281-11	CONNECTOR, FFC (LIF(NON-ZIF)) 13P			
C516	1-126-964-11	ELECT	10uF	20%	50V	* CN105	1-569-930-11	SOCKET, CONNECTOR 13P			
C517	1-126-964-11	ELECT	10uF	20%	50V	CN251	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
C518	1-126-964-11	ELECT	10uF	20%	50V	CN252	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
C520	1-126-960-11	ELECT	1uF	20%	50V	* CN253	1-564-711-11	PIN, CONNECTOR (SMALL TYPE) 9P			
C521	1-126-960-11	ELECT	1uF	20%	50V	CN300	1-779-287-11	CONNECTOR, FFC (LIF(NON-ZIF)) 19P			
						* CN380	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
CN381	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				< CONNECTOR >	
CN382	1-569-927-11	SOCKET, CONNECTOR 9P					
* CN501	1-564-714-11	PIN, CONNECTOR (SMALL TYPE) 12P		J603	1-820-048-11	CONNECTOR (LIGHTING) (D-LIGHT SYNC OUT)	(EXCEPT AUS)
CN521	1-779-289-11	CONNECTOR, FFC (LIF(NON-ZIF)) 21P					
* CN550	1-564-508-11	PLUG, CONNECTOR 5P				< JUMPER RESISTOR >	
CN551	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P					
* CN582	1-564-506-11	PLUG, CONNECTOR 3P		JR100	1-216-864-11	SHORT CHIP	0
* CN600	1-564-506-11	PLUG, CONNECTOR 3P		JR101	1-216-864-11	SHORT CHIP	0
		< DIODE >		JR102	1-216-864-11	SHORT CHIP	0
D102	6-500-334-01	DIODE MC2836-T112-1		JR103	1-216-864-11	SHORT CHIP	0
D103	6-500-334-01	DIODE MC2836-T112-1		JR104	1-216-864-11	SHORT CHIP	0
D105	8-719-404-50	DIODE MA111-TX		JR105	1-216-864-11	SHORT CHIP	0
D150	8-719-404-50	DIODE MA111-TX		JR106	1-216-864-11	SHORT CHIP	0
D205	8-719-404-50	DIODE MA111-TX		JR107	1-216-864-11	SHORT CHIP	0
D207	8-719-404-50	DIODE MA111-TX		JR108	1-216-296-11	SHORT CHIP	0
D224	6-501-579-01	DIODE MC2837		JR109	1-216-296-11	SHORT CHIP	0
D257	8-719-404-50	DIODE MA111-TX		JR110	1-216-864-11	SHORT CHIP	0
D270	8-719-404-50	DIODE MA111-TX		JR111	1-216-864-11	SHORT CHIP	0
D272	6-501-579-01	DIODE MC2837		JR112	1-216-864-11	SHORT CHIP	0
D530	8-719-404-50	DIODE MA111-TX		JR114	1-216-864-11	SHORT CHIP	0
D545	6-501-177-01	DIODE UDZW-TE17-13B		JR115	1-216-864-11	SHORT CHIP	0
D549	6-501-163-01	DIODE UDZW-TE17-3.6B		JR117	1-216-296-11	SHORT CHIP	0
D550	6-500-522-21	DIODE 10EDB40-TB3		JR118	1-216-864-11	SHORT CHIP	0
D551	6-500-522-21	DIODE 10EDB40-TB3		JR120	1-216-864-11	SHORT CHIP	0
D552	6-501-168-01	DIODE UDZW-TE17-5.6B		JR124	1-216-864-11	SHORT CHIP	0
D558	8-719-404-50	DIODE MA111-TX (EXCEPT AUS)		JR125	1-216-296-11	SHORT CHIP	0
* D560	8-719-500-62	DIODE D5SBA60		JR126	1-216-296-11	SHORT CHIP	0
* D561	8-719-500-62	DIODE D5SBA60		JR128	1-216-864-11	SHORT CHIP	0
D600	6-501-169-01	DIODE UDZW-TE17-6.2B		JR155	1-216-864-11	SHORT CHIP	0
D601	6-501-170-01	DIODE UDZW-TE17-6.8B		JR157	1-216-864-11	SHORT CHIP	0
D602	8-719-071-54	DIODE HZU2.0BTRF		JR158	1-216-296-11	SHORT CHIP	0
		< FERRITE BEAD >		JR159	1-216-864-11	SHORT CHIP	0
FB200	1-216-864-11	SHORT CHIP 0		JR201	1-216-864-11	SHORT CHIP	0
FB203	1-469-125-21	FERRITE, EMI (SMD) (1608)		JR202	1-216-864-11	SHORT CHIP	0
FB253	1-469-125-21	FERRITE, EMI (SMD) (1608)		JR203	1-216-864-11	SHORT CHIP	0
		< IC >		JR222	1-216-864-11	SHORT CHIP	0
IC100	6-807-467-01	IC M30622MEP-B18FPU0		JR223	1-216-864-11	SHORT CHIP	0
IC120	6-807-490-01	IC ML2252-254GAZ03A		JR225	1-216-296-11	SHORT CHIP	0
IC200	6-705-667-01	IC M61537FP-RF0G		JR292	1-216-864-11	SHORT CHIP	0
IC201	6-703-651-11	IC M61530FP-D60G		JR295	1-216-864-11	SHORT CHIP	0
IC202	6-705-809-01	IC BD4929G-TR		JR296	1-216-864-11	SHORT CHIP	0
IC500	8-759-525-25	IC BU4052BCF-E2		JR297	1-216-864-11	SHORT CHIP	0
IC501	8-759-525-25	IC BU4052BCF-E2		JR300	1-216-864-11	SHORT CHIP	0
IC550	6-713-032-01	IC KIA7809API-U/PF (EA)		JR301	1-216-864-11	SHORT CHIP	0
IC550	8-759-231-56	IC TA7809S (EXCEPT EA)		JR302	1-216-864-11	SHORT CHIP	0
IC551	6-713-032-01	IC KIA7809API-U/PF (EA)		JR306	1-216-864-11	SHORT CHIP	0
IC551	8-759-231-56	IC TA7809S (EXCEPT EA)		JR308	1-216-296-11	SHORT CHIP	0
IC552	8-759-653-07	IC PQ09RD21J00H		JR310	1-216-296-11	SHORT CHIP	0
IC553	8-759-471-81	IC PQ05RD11J00H		JR311	1-216-864-11	SHORT CHIP	0
IC554	6-710-632-01	IC PQ033RDC1SZF		JR312	1-216-864-11	SHORT CHIP	0
IC555	6-703-546-01	IC TA7804LS		JR315	1-216-296-11	SHORT CHIP	0
		< JACK >		JR316	1-216-296-11	SHORT CHIP	0
J600	1-774-785-11	JACK, PIN 1P (SUBWOOFER OUT)		JR320	1-216-864-11	SHORT CHIP	0
J602	1-794-981-11	JACK, PIN 4P (AUDIO IN,AUDIO OUT)		JR321	1-216-864-11	SHORT CHIP	0
				JR322	1-216-864-11	SHORT CHIP	0
				JR323	1-216-864-11	SHORT CHIP	0
				JR324	1-216-864-11	SHORT CHIP	0
				JR325	1-216-864-11	SHORT CHIP	0

HCD-ZUX10D

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MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR350	1-216-864-11	SHORT CHIP	0	Q300	8-729-023-22	TRANSISTOR 2SD2114K	
JR351	1-216-864-11	SHORT CHIP	0	Q301	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR400	1-216-296-11	SHORT CHIP	0	Q302	8-729-023-22	TRANSISTOR 2SD2114K	
JR401	1-216-864-11	SHORT CHIP	0	Q305	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JR402	1-216-864-11	SHORT CHIP	0	Q306	8-729-055-10	FET 2SK3378ENTL	
JR403	1-216-864-11	SHORT CHIP	0	Q350	8-729-023-22	TRANSISTOR 2SD2114K	
JR404	1-216-864-11	SHORT CHIP	0	Q351	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR405	1-216-864-11	SHORT CHIP	0	Q352	8-729-023-22	TRANSISTOR 2SD2114K	
JR406	1-216-296-11	SHORT CHIP	0	Q373	8-729-055-10	FET 2SK3378ENTL	
JR407	1-216-864-11	SHORT CHIP	0	Q400	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR408	1-216-296-11	SHORT CHIP	0	Q401	8-729-023-22	TRANSISTOR 2SD2114K	
JR409	1-216-864-11	SHORT CHIP	0	Q440	8-729-023-22	TRANSISTOR 2SD2114K	
JR420	1-216-864-11	SHORT CHIP	0	Q450	8-729-230-49	TRANSISTOR 2SC2712-YG	
JR421	1-216-296-11	SHORT CHIP	0	Q451	8-729-023-22	TRANSISTOR 2SD2114K	
JR489	1-216-296-11	SHORT CHIP	0	Q452	8-729-023-22	TRANSISTOR 2SD2114K	
JR500	1-216-864-11	SHORT CHIP	0	Q490	8-729-023-22	TRANSISTOR 2SD2114K	
JR501	1-216-864-11	SHORT CHIP	0	Q500	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JR502	1-216-296-11	SHORT CHIP	0	Q501	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JR503	1-216-296-11	SHORT CHIP	0	Q502	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JR504	1-216-296-11	SHORT CHIP	0	Q520	8-729-023-22	TRANSISTOR 2SD2114K	
JR506	1-216-864-11	SHORT CHIP	0	Q521	8-729-023-22	TRANSISTOR 2SD2114K	
JR507	1-216-864-11	SHORT CHIP	0	Q522	8-729-023-22	TRANSISTOR 2SD2114K	
JR508	1-216-296-11	SHORT CHIP	0	Q523	8-729-023-22	TRANSISTOR 2SD2114K	
JR552	1-216-296-11	SHORT CHIP	0	Q525	8-729-027-31	TRANSISTOR DTA124EKA-T146	
JR553	1-216-864-11	SHORT CHIP	0	Q526	8-729-027-31	TRANSISTOR DTA124EKA-T146	
JR556	1-216-864-11	SHORT CHIP	0	Q527	8-729-027-31	TRANSISTOR DTA124EKA-T146	
JR601	1-216-864-11	SHORT CHIP	0	Q528	8-729-027-31	TRANSISTOR DTA124EKA-T146	
JR602	1-216-296-11	SHORT CHIP	0	Q529	8-729-027-31	TRANSISTOR DTA124EKA-T146	
		< COIL >		Q530	8-729-027-31	TRANSISTOR DTA124EKA-T146	
L201	1-410-780-11	INDUCTOR	27mH	Q545	8-729-026-68	TRANSISTOR 2SD2525(TP)	
L250	1-414-189-31	INDUCTOR	100uH	Q546	8-729-230-49	TRANSISTOR 2SC2712-YG	
L251	1-410-780-11	INDUCTOR	27mH	Q547	8-729-230-49	TRANSISTOR 2SC2712-YG	
		< TRANSISTOR >		Q550	8-729-056-46	TRANSISTOR 2SC5053T100Q	
Q101	8-729-027-56	TRANSISTOR	DTC143TKA-T146 (EXCEPT AUS)	Q551	8-729-056-46	TRANSISTOR 2SC5053T100Q	
Q201	6-551-287-01	TRANSISTOR	2SD2704K-T146	Q557	8-729-027-56	TRANSISTOR DTC143TKA-T146 (EXCEPT AUS)	
Q202	6-551-287-01	TRANSISTOR	2SD2704K-T146	Q570	8-729-023-22	TRANSISTOR 2SD2114K	
Q203	6-551-287-01	TRANSISTOR	2SD2704K-T146	Q571	8-729-023-22	TRANSISTOR 2SD2114K	
Q204	6-551-287-01	TRANSISTOR	2SD2704K-T146	Q572	8-729-023-22	TRANSISTOR 2SD2114K	
Q205	8-729-027-43	TRANSISTOR	DTC114EKA-T146	Q573	8-729-023-22	TRANSISTOR 2SD2114K	
Q206	8-729-920-79	TRANSISTOR	2SB1132-T100-QR	Q600	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q207	8-729-027-43	TRANSISTOR	DTC114EKA-T146	Q601	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q208	8-729-920-79	TRANSISTOR	2SB1132-T100-QR	Q602	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q242	8-729-141-75	TRANSISTOR	2SD596DV345	Q603	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q243	6-550-185-01	TRANSISTOR	RT1P137P-TP-1	Q604	8-729-026-68	TRANSISTOR 2SD2525(TP)	
Q244	8-729-027-43	TRANSISTOR	DTC114EKA-T146	Q610	8-729-023-22	TRANSISTOR 2SD2114K	
Q245	8-729-027-23	TRANSISTOR	DTA114EKA-T146			< RESISTOR >	
Q246	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R100	1-216-809-11	METAL CHIP	100 5% 1/10W
Q247	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R101	1-216-809-11	METAL CHIP	100 5% 1/10W
Q248	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R102	1-216-809-11	METAL CHIP	100 5% 1/10W
Q249	8-729-216-22	TRANSISTOR	2SA1162-G	R103	1-216-809-11	METAL CHIP	100 5% 1/10W
Q251	6-551-287-01	TRANSISTOR	2SD2704K-T146	R104	1-216-809-11	METAL CHIP	100 5% 1/10W
Q252	6-551-287-01	TRANSISTOR	2SD2704K-T146	R105	1-216-864-11	SHORT CHIP	0 (AUS)
Q253	6-551-287-01	TRANSISTOR	2SD2704K-T146	R106	1-216-833-11	METAL CHIP	10K 5% 1/10W (EXCEPT AUS)
Q254	6-551-287-01	TRANSISTOR	2SD2704K-T146	R107	1-216-826-11	METAL CHIP	2.7K 5% 1/10W (EXCEPT AUS)
Q255	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R108	1-216-833-11	METAL CHIP	10K 5% 1/10W (EXCEPT AUS)
Q256	8-729-920-79	TRANSISTOR	2SB1132-T100-QR	R109	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q270	8-729-901-00	TRANSISTOR	DTC124EK				

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R110	1-216-833-11	METAL CHIP	10K	5%	1/10W	R183	1-216-809-11	METAL CHIP	100	5%	1/10W
R111	1-216-851-11	METAL CHIP	330K	5%	1/10W	R184	1-216-809-11	METAL CHIP	100	5%	1/10W
R112	1-216-845-11	METAL CHIP	100K	5%	1/10W	R185	1-216-809-11	METAL CHIP	100	5%	1/10W
R113	1-216-864-11	SHORT CHIP	0			R186	1-216-809-11	METAL CHIP	100	5%	1/10W
R114	1-216-833-11	METAL CHIP	10K	5%	1/10W	R187	1-216-809-11	METAL CHIP	100	5%	1/10W
R115	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R188	1-216-809-11	METAL CHIP	100	5%	1/10W
R116	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R189	1-216-809-11	METAL CHIP	100	5%	1/10W
R117	1-216-833-11	METAL CHIP	10K	5%	1/10W	R190	1-216-809-11	METAL CHIP	100	5%	1/10W
R118	1-216-809-11	METAL CHIP	100	5%	1/10W	R191	1-216-809-11	METAL CHIP	100	5%	1/10W
R119	1-216-809-11	METAL CHIP	100	5%	1/10W	R192	1-216-809-11	METAL CHIP	100	5%	1/10W
R120	1-216-821-11	METAL CHIP	1K	5%	1/10W	R193	1-216-821-11	METAL CHIP	1K	5%	1/10W
R121	1-216-809-11	METAL CHIP	100	5%	1/10W						(E2,E51)
R122	1-216-809-11	METAL CHIP	100	5%	1/10W	R193	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R123	1-216-809-11	METAL CHIP	100	5%	1/10W						(E3,AUS,EA)
R124	1-216-864-11	SHORT CHIP	0			R194	1-216-809-11	METAL CHIP	100	5%	1/10W
R125	1-216-864-11	SHORT CHIP	0			R195	1-216-809-11	METAL CHIP	100	5%	1/10W
R126	1-216-809-11	METAL CHIP	100	5%	1/10W	R197	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R127	1-216-833-11	METAL CHIP	10K	5%	1/10W	R198	1-216-821-11	METAL CHIP	1K	5%	1/10W
R129	1-216-809-11	METAL CHIP	100	5%	1/10W	R199	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W	R200	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R131	1-216-809-11	METAL CHIP	100	5%	1/10W	R201	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R132	1-216-809-11	METAL CHIP	100	5%	1/10W	R202	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R133	1-216-809-11	METAL CHIP	100	5%	1/10W	R205	1-216-839-11	METAL CHIP	33K	5%	1/10W
R134	1-216-809-11	METAL CHIP	100	5%	1/10W	R206	1-216-864-11	SHORT CHIP	0		
R135	1-216-809-11	METAL CHIP	100	5%	1/10W	R207	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R136	1-216-809-11	METAL CHIP	100	5%	1/10W	R208	1-216-833-11	METAL CHIP	10K	5%	1/10W
R137	1-216-809-11	METAL CHIP	100	5%	1/10W	R209	1-216-845-11	METAL CHIP	100K	5%	1/10W
R138	1-216-809-11	METAL CHIP	100	5%	1/10W	R210	1-216-841-11	METAL CHIP	47K	5%	1/10W
R139	1-216-809-11	METAL CHIP	100	5%	1/10W	R211	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R140	1-216-809-11	METAL CHIP	100	5%	1/10W	R212	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R141	1-216-809-11	METAL CHIP	100	5%	1/10W	R213	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R142	1-216-809-11	METAL CHIP	100	5%	1/10W	R214	1-216-819-11	METAL CHIP	680	5%	1/10W
R143	1-216-809-11	METAL CHIP	100	5%	1/10W	R215	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R144	1-216-809-11	METAL CHIP	100	5%	1/10W	R216	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R145	1-216-809-11	METAL CHIP	100	5%	1/10W	R217	1-216-819-11	METAL CHIP	680	5%	1/10W
R146	1-216-809-11	METAL CHIP	100	5%	1/10W	R218	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R147	1-216-809-11	METAL CHIP	100	5%	1/10W	R219	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R148	1-216-809-11	METAL CHIP	100	5%	1/10W	R220	1-216-841-11	METAL CHIP	47K	5%	1/10W
R150	1-216-809-11	METAL CHIP	100	5%	1/10W	R221	1-216-833-11	METAL CHIP	10K	5%	1/10W
R151	1-216-809-11	METAL CHIP	100	5%	1/10W	R222	1-216-837-11	METAL CHIP	22K	5%	1/10W
R152	1-216-809-11	METAL CHIP	100	5%	1/10W	R223	1-216-841-11	METAL CHIP	47K	5%	1/10W
R153	1-216-809-11	METAL CHIP	100	5%	1/10W	R232	1-216-845-11	METAL CHIP	100K	5%	1/10W
R154	1-216-809-11	METAL CHIP	100	5%	1/10W	R237	1-216-833-11	METAL CHIP	10K	5%	1/10W
R158	1-216-809-11	METAL CHIP	100	5%	1/10W	R238	1-216-833-11	METAL CHIP	10K	5%	1/10W
R159	1-216-809-11	METAL CHIP	100	5%	1/10W	R239	1-216-833-11	METAL CHIP	10K	5%	1/10W
R160	1-216-809-11	METAL CHIP	100	5%	1/10W	R240	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R161	1-216-809-11	METAL CHIP	100	5%	1/10W	R241	1-216-805-11	METAL CHIP	47	5%	1/10W
R163	1-216-809-11	METAL CHIP	100	5%	1/10W	R242	1-216-833-11	METAL CHIP	10K	5%	1/10W
R165	1-216-809-11	METAL CHIP	100	5%	1/10W	R243	1-216-797-11	METAL CHIP	10	5%	1/10W
R166	1-216-809-11	METAL CHIP	100	5%	1/10W	R244	1-216-803-11	METAL CHIP	33	5%	1/10W
R167	1-216-809-11	METAL CHIP	100	5%	1/10W	R245	1-216-841-11	METAL CHIP	47K	5%	1/10W
R168	1-216-809-11	METAL CHIP	100	5%	1/10W	R246	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R169	1-216-809-11	METAL CHIP	100	5%	1/10W	R247	1-216-833-11	METAL CHIP	10K	5%	1/10W
R173	1-216-809-11	METAL CHIP	100	5%	1/10W	R248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R174	1-216-809-11	METAL CHIP	100	5%	1/10W	R249	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R176	1-216-809-11	METAL CHIP	100	5%	1/10W	R250	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R177	1-216-821-11	METAL CHIP	1K	5%	1/10W	R251	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R180	1-216-833-11	METAL CHIP	10K	5%	1/10W	R252	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R181	1-216-809-11	METAL CHIP	100	5%	1/10W	R253	1-216-845-11	METAL CHIP	100K	5%	1/10W
R182	1-216-809-11	METAL CHIP	100	5%	1/10W	R254	1-216-833-11	METAL CHIP	10K	5%	1/10W

HCD-ZUX10D

Ver. 1.3

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R255	1-216-839-11	METAL CHIP	33K 5%	1/10W	R324	1-216-833-11	METAL CHIP 10K 5% 1/10W
R256	1-216-864-11	SHORT CHIP	0		R328	1-216-821-11	METAL CHIP 1K 5% 1/10W
R257	1-216-830-11	METAL CHIP	5.6K 5%	1/10W	R329	1-216-841-11	METAL CHIP 47K 5% 1/10W
R258	1-216-833-11	METAL CHIP	10K 5%	1/10W	R332	1-216-821-11	METAL CHIP 1K 5% 1/10W
R259	1-216-845-11	METAL CHIP	100K 5%	1/10W	R333	1-216-833-11	METAL CHIP 10K 5% 1/10W
R260	1-216-841-11	METAL CHIP	47K 5%	1/10W	R334	1-216-845-11	METAL CHIP 100K 5% 1/10W
R261	1-216-830-11	METAL CHIP	5.6K 5%	1/10W	R335	1-216-857-11	METAL CHIP 1M 5% 1/10W
R262	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R336	1-216-827-11	METAL CHIP 3.3K 5% 1/10W
R263	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R338	1-216-835-11	METAL CHIP 15K 5% 1/10W
R264	1-216-819-11	METAL CHIP	680 5%	1/10W	R349	1-216-841-11	METAL CHIP 47K 5% 1/10W
R269	1-216-827-11	METAL CHIP	3.3K 5%	1/10W	R352	1-216-835-11	METAL CHIP 15K 5% 1/10W
R270	1-216-833-11	METAL CHIP	10K 5%	1/10W	R353	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R272	1-216-864-11	SHORT CHIP	0		R354	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R273	1-216-833-11	METAL CHIP	10K 5%	1/10W	R355	1-216-833-11	METAL CHIP 10K 5% 1/10W
R274	1-216-833-11	METAL CHIP	10K 5%	1/10W	R356	1-216-833-11	METAL CHIP 10K 5% 1/10W
R275	1-216-813-11	METAL CHIP	220 5%	1/10W	R357	1-216-841-11	METAL CHIP 47K 5% 1/10W
R276	1-216-821-11	METAL CHIP	1K 5%	1/10W	R358	1-216-817-11	METAL CHIP 470 5% 1/10W
R277	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R365	1-216-841-11	METAL CHIP 47K 5% 1/10W
R278	1-216-841-11	METAL CHIP	47K 5%	1/10W	R366	1-216-821-11	METAL CHIP 1K 5% 1/10W
R279	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R367	1-216-821-11	METAL CHIP 1K 5% 1/10W
R280	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R368	1-216-835-11	METAL CHIP 15K 5% 1/10W
R284	1-216-833-11	METAL CHIP	10K 5%	1/10W	R369	1-216-851-11	METAL CHIP 330K 5% 1/10W
R285	1-216-833-11	METAL CHIP	10K 5%	1/10W	R370	1-216-812-11	METAL CHIP 180 5% 1/10W
R286	1-216-833-11	METAL CHIP	10K 5%	1/10W	R371	1-469-125-21	FERRITE, EMI (SMD) (1608)
R288	1-216-833-11	METAL CHIP	10K 5%	1/10W	R372	1-469-125-21	FERRITE, EMI (SMD) (1608)
R293	1-216-815-11	METAL CHIP	330 5%	1/10W (E3)	R373	1-216-821-11	METAL CHIP 1K 5% 1/10W
R293	1-216-821-11	METAL CHIP	1K 5%	1/10W (EA)	R378	1-216-821-11	METAL CHIP 1K 5% 1/10W
R293	1-216-823-11	METAL CHIP	1.5K 5%	1/10W (AUS)	R379	1-216-841-11	METAL CHIP 47K 5% 1/10W
R293	1-216-829-11	METAL CHIP	4.7K 5%	1/10W (E2,E51)	R382	1-216-821-11	METAL CHIP 1K 5% 1/10W
R293	1-216-864-11	SHORT CHIP	0 (MY,SP)		R383	1-216-833-11	METAL CHIP 10K 5% 1/10W
R299	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R386	1-216-827-11	METAL CHIP 3.3K 5% 1/10W
R300	1-216-841-11	METAL CHIP	47K 5%	1/10W	R388	1-216-835-11	METAL CHIP 15K 5% 1/10W
R301	1-216-857-11	METAL CHIP	1M 5%	1/10W	R401	1-216-833-11	METAL CHIP 10K 5% 1/10W
R302	1-216-835-11	METAL CHIP	15K 5%	1/10W	R402	1-216-817-11	METAL CHIP 470 5% 1/10W
R303	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R403	1-216-841-11	METAL CHIP 47K 5% 1/10W
R304	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R404	1-216-864-11	SHORT CHIP 0
R305	1-216-833-11	METAL CHIP	10K 5%	1/10W	R405	1-216-832-11	METAL CHIP 8.2K 5% 1/10W
R306	1-216-833-11	METAL CHIP	10K 5%	1/10W	R406	1-216-841-11	METAL CHIP 47K 5% 1/10W
R307	1-216-841-11	METAL CHIP	47K 5%	1/10W	R407	1-216-833-11	METAL CHIP 10K 5% 1/10W
R308	1-216-817-11	METAL CHIP	470 5%	1/10W	R408	1-216-829-11	METAL CHIP 4.7K 5% 1/10W
R309	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R409	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R310	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R410	1-216-829-11	METAL CHIP 4.7K 5% 1/10W
R311	1-216-833-11	METAL CHIP	10K 5%	1/10W	R411	1-216-833-11	METAL CHIP 10K 5% 1/10W
R312	1-216-833-11	METAL CHIP	10K 5%	1/10W	R412	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R313	1-216-833-11	METAL CHIP	10K 5%	1/10W	R413	1-216-864-11	SHORT CHIP 0
R314	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R414	1-216-832-11	METAL CHIP 8.2K 5% 1/10W
R315	1-216-841-11	METAL CHIP	47K 5%	1/10W	R415	1-216-833-11	METAL CHIP 10K 5% 1/10W
R316	1-216-821-11	METAL CHIP	1K 5%	1/10W	R416	1-216-833-11	METAL CHIP 10K 5% 1/10W
R317	1-216-821-11	METAL CHIP	1K 5%	1/10W	R417	1-216-833-11	METAL CHIP 10K 5% 1/10W
R318	1-216-835-11	METAL CHIP	15K 5%	1/10W	R418	1-216-833-11	METAL CHIP 10K 5% 1/10W
R319	1-216-851-11	METAL CHIP	330K 5%	1/10W	R419	1-216-818-11	METAL CHIP 560 5% 1/10W
R320	1-216-812-11	METAL CHIP	180 5%	1/10W	R420	1-216-833-11	METAL CHIP 10K 5% 1/10W
R321	1-469-125-21	FERRITE, EMI (SMD) (1608)			R421	1-216-841-11	METAL CHIP 47K 5% 1/10W
R322	1-469-125-21	FERRITE, EMI (SMD) (1608)			R422	1-216-864-11	SHORT CHIP 0
R323	1-216-821-11	METAL CHIP	1K 5%	1/10W	R423	1-216-857-11	METAL CHIP 1M 5% 1/10W
					R424	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
					R425	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
					R426	1-216-841-11	METAL CHIP 47K 5% 1/10W
					R427	1-216-864-11	SHORT CHIP 0

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R435	1-216-821-11	METAL CHIP	1K	5%	1/10W	R527	1-216-821-11	METAL CHIP	1K	5%	1/10W
R436	1-216-841-11	METAL CHIP	47K	5%	1/10W	R529	1-216-841-11	METAL CHIP	47K	5%	1/10W
R437	1-216-833-11	METAL CHIP	10K	5%	1/10W	R530	1-216-821-11	METAL CHIP	1K	5%	1/10W
R438	1-216-821-11	METAL CHIP	1K	5%	1/10W	R531	1-216-821-11	METAL CHIP	1K	5%	1/10W
R442	1-216-821-11	METAL CHIP	1K	5%	1/10W	R533	1-216-841-11	METAL CHIP	47K	5%	1/10W
R443	1-216-841-11	METAL CHIP	47K	5%	1/10W	R534	1-216-821-11	METAL CHIP	1K	5%	1/10W
R444	1-216-821-11	METAL CHIP	1K	5%	1/10W	R535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R451	1-216-833-11	METAL CHIP	10K	5%	1/10W	R536	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R452	1-216-817-11	METAL CHIP	470	5%	1/10W	R537	1-216-837-11	METAL CHIP	2.2K	5%	1/10W
R453	1-216-841-11	METAL CHIP	47K	5%	1/10W	R538	1-216-845-11	METAL CHIP	100K	5%	1/10W
R454	1-216-864-11	SHORT CHIP	0			R539	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R455	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R540	1-216-837-11	METAL CHIP	22K	5%	1/10W
R456	1-216-841-11	METAL CHIP	47K	5%	1/10W	R541	1-216-845-11	METAL CHIP	100K	5%	1/10W
R457	1-216-833-11	METAL CHIP	10K	5%	1/10W	R542	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R458	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R543	1-216-837-11	METAL CHIP	22K	5%	1/10W
R459	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R544	1-216-845-11	METAL CHIP	100K	5%	1/10W
R469	1-216-818-11	METAL CHIP	560	5%	1/10W	R545	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R470	1-216-833-11	METAL CHIP	10K	5%	1/10W	R546	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R471	1-216-841-11	METAL CHIP	47K	5%	1/10W	R547	1-216-845-11	METAL CHIP	100K	5%	1/10W
R472	1-216-864-11	SHORT CHIP	0			R548	1-216-821-11	METAL CHIP	1K	5%	1/10W
R473	1-216-857-11	METAL CHIP	1M	5%	1/10W	R549	1-218-917-11	METAL CHIP	820K	0.5%	1/10W
R474	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R550	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R475	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R551	1-216-821-11	METAL CHIP	1K	5%	1/10W
R476	1-216-841-11	METAL CHIP	47K	5%	1/10W	R556	1-216-842-11	METAL CHIP	56K	5%	1/10W
R477	1-216-864-11	SHORT CHIP	0								(EXCEPT AUS)
R485	1-216-821-11	METAL CHIP	1K	5%	1/10W	R557	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R486	1-216-841-11	METAL CHIP	47K	5%	1/10W						(EXCEPT AUS)
R487	1-216-833-11	METAL CHIP	10K	5%	1/10W	R558	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R488	1-216-821-11	METAL CHIP	1K	5%	1/10W	R559	1-216-837-11	METAL CHIP	22K	5%	1/10W
R489	1-216-821-11	METAL CHIP	1K	5%	1/10W	R560	1-216-845-11	METAL CHIP	100K	5%	1/10W
R490	1-216-841-11	METAL CHIP	47K	5%	1/10W	R561	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R492	1-216-821-11	METAL CHIP	1K	5%	1/10W	R562	1-216-837-11	METAL CHIP	22K	5%	1/10W
R493	1-216-841-11	METAL CHIP	47K	5%	1/10W	R563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R494	1-216-821-11	METAL CHIP	1K	5%	1/10W	R564	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R496	1-216-821-11	METAL CHIP	1K	5%	1/10W	R565	1-216-837-11	METAL CHIP	22K	5%	1/10W
R501	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R566	1-216-845-11	METAL CHIP	100K	5%	1/10W
R502	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R567	1-218-917-11	METAL CHIP	820K	0.5%	1/10W
R503	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R568	1-218-917-11	METAL CHIP	820K	0.5%	1/10W
R504	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R569	1-218-917-11	METAL CHIP	820K	0.5%	1/10W
R505	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R571	1-216-841-11	METAL CHIP	47K	5%	1/10W
R506	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R572	1-216-821-11	METAL CHIP	1K	5%	1/10W
R507	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R573	1-216-821-11	METAL CHIP	1K	5%	1/10W
R508	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R575	1-216-841-11	METAL CHIP	47K	5%	1/10W
R509	1-216-833-11	METAL CHIP	10K	5%	1/10W	R576	1-216-821-11	METAL CHIP	1K	5%	1/10W
R510	1-216-833-11	METAL CHIP	10K	5%	1/10W	R577	1-216-821-11	METAL CHIP	1K	5%	1/10W
R511	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R579	1-216-841-11	METAL CHIP	47K	5%	1/10W
R512	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R580	1-216-821-11	METAL CHIP	1K	5%	1/10W
R513	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R581	1-216-821-11	METAL CHIP	1K	5%	1/10W
R514	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R583	1-216-841-11	METAL CHIP	47K	5%	1/10W
R515	1-216-845-11	METAL CHIP	100K	5%	1/10W	R584	1-216-821-11	METAL CHIP	1K	5%	1/10W
R516	1-216-845-11	METAL CHIP	100K	5%	1/10W	R585	1-216-821-11	METAL CHIP	1K	5%	1/10W
R517	1-216-845-11	METAL CHIP	100K	5%	1/10W	R600	1-216-821-11	METAL CHIP	1K	5%	1/10W
R518	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-218-917-11	METAL CHIP	820K	0.5%	1/10W	R603	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R521	1-216-841-11	METAL CHIP	47K	5%	1/10W	R605	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R522	1-216-821-11	METAL CHIP	1K	5%	1/10W	R606	1-216-821-11	METAL CHIP	1K	5%	1/10W
R523	1-216-821-11	METAL CHIP	1K	5%	1/10W	R608	1-216-833-11	METAL CHIP	10K	5%	1/10W
R525	1-216-841-11	METAL CHIP	47K	5%	1/10W	R609	1-216-833-11	METAL CHIP	10K	5%	1/10W
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W	R612	1-216-839-11	METAL CHIP	33K	5%	1/10W
											(EXCEPT AUS)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C618	1-128-560-11	ELECT	22uF 20% 100V	D612	6-501-180-01	DIODE UDWZ-TE17-18B	
C619	1-128-560-11	ELECT	22uF 20% 100V	D620	6-500-334-01	DIODE MC2836-T112-1	
C634	1-104-665-11	ELECT	100uF 20% 25V	D624	8-719-404-50	DIODE MA111-TX	
C635	1-104-665-11	ELECT	100uF 20% 25V	D646	8-719-404-50	DIODE MA111-TX	
C636	1-107-721-11	ELECT	4.7uF 20% 100V	D654	6-500-335-01	DIODE MC2838-T112-1	
C637	1-107-721-11	ELECT	4.7uF 20% 100V	D656	8-719-073-32	DIODE D25XB60	
C648	1-104-658-11	ELECT	100uF 20% 10V	D658	8-719-073-32	DIODE D25XB60	
C649	1-126-964-11	ELECT	10uF 20% 50V	D660	6-500-335-01	DIODE MC2838-T112-1	
C650	1-126-163-11	ELECT	4.7uF 20% 50V	D711	6-501-180-01	DIODE UDWZ-TE17-18B	
C651	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	D712	6-501-180-01	DIODE UDWZ-TE17-18B	
C652	1-104-658-11	ELECT	100uF 20% 10V	D720	6-500-334-01	DIODE MC2836-T112-1	
C653	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V	D754	6-500-335-01	DIODE MC2838-T112-1	
C654	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	D762	8-719-404-50	DIODE MA111-TX	
C655	1-126-964-11	ELECT	10uF 20% 50V			< IC >	
C656	1-127-815-11	ELECT(BLOCK)	3300uF 20% 100V	IC550	6-703-610-01	IC RT8H015C-T112-1	
C658	1-112-032-11	ELECT(BLOCK)	4700uF 20% 63V	IC600	6-600-642-01	IC STK412-150C	
C660	1-164-156-11	CERAMIC CHIP	0.1uF 25V	IC700	6-600-642-01	IC STK412-150C	
C666	1-136-497-81	FILM	0.1uF 5% 50V			< JUMPER RESISTOR >	
C667	1-136-497-81	FILM	0.1uF 5% 50V	JR612	1-216-864-11	SHORT CHIP 0	
C676	1-127-815-11	ELECT(BLOCK)	3300uF 20% 100V			< TRANSISTOR >	
C678	1-112-032-11	ELECT(BLOCK)	4700uF 20% 63V	Q462	8-729-230-49	TRANSISTOR 2SC2712-YG	
C683	1-164-156-11	CERAMIC CHIP	0.1uF 25V	Q604	8-729-924-99	TRANSISTOR 2SC3722K-E	
C693	1-164-156-11	CERAMIC CHIP	0.1uF 25V	Q606	8-729-821-00	TRANSISTOR 2SA1207	
C700	1-126-163-11	ELECT	4.7uF 20% 50V	Q610	8-729-924-99	TRANSISTOR 2SC3722K-E	
C701	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	Q618	8-729-924-99	TRANSISTOR 2SC3722K-E	
C702	1-104-658-11	ELECT	100uF 20% 10V	Q628	8-729-230-49	TRANSISTOR 2SC2712-YG	
C703	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V	Q630	8-729-230-49	TRANSISTOR 2SC2712-YG	
C704	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	Q634	8-729-027-31	TRANSISTOR DTA124EKA-T146	
C706	1-164-156-11	CERAMIC CHIP	0.1uF 25V	Q640	8-729-023-22	TRANSISTOR 2SD2114K	
C707	1-164-156-11	CERAMIC CHIP	0.1uF 25V	Q641	8-729-023-22	TRANSISTOR 2SD2114K	
C709	1-128-582-11	ELECT	10uF 20% 100V	Q644	8-729-230-49	TRANSISTOR 2SC2712-YG	
C710	1-128-582-11	ELECT	10uF 20% 100V	Q647	8-729-023-22	TRANSISTOR 2SD2114K	
C716	1-136-497-81	FILM	0.1uF 5% 50V	Q648	8-729-230-49	TRANSISTOR 2SC2712-YG	
C717	1-136-497-81	FILM	0.1uF 5% 50V	Q668	8-729-924-99	TRANSISTOR 2SC3722K-E	
C718	1-128-560-11	ELECT	22uF 20% 100V	Q681	8-729-230-49	TRANSISTOR 2SC2712-YG	
C719	1-128-560-11	ELECT	22uF 20% 100V	Q682	8-729-230-49	TRANSISTOR 2SC2712-YG	
C750	1-126-163-11	ELECT	4.7uF 20% 50V	Q718	8-729-924-99	TRANSISTOR 2SC3722K-E	
C751	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	Q763	8-729-230-49	TRANSISTOR 2SC2712-YG	
C752	1-104-658-11	ELECT	100uF 20% 10V	Q768	8-729-924-99	TRANSISTOR 2SC3722K-E	
C753	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V			< RESISTOR >	
C754	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	R465	1-260-087-11	CARBON 100 5% 1/2W F	
C766	1-136-497-81	FILM	0.1uF 5% 50V	R466	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
C767	1-136-497-81	FILM	0.1uF 5% 50V	R467	1-216-837-11	METAL CHIP 22K 5% 1/10W	
C783	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R474	1-216-841-11	METAL CHIP 47K 5% 1/10W	
C793	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R488	1-216-841-11	METAL CHIP 47K 5% 1/10W	
		< CONNECTOR >		R600	1-216-821-11	METAL CHIP 1K 5% 1/10W	
* CN400	1-564-508-11	PLUG, CONNECTOR 5P		R601	1-216-841-11	METAL CHIP 47K 5% 1/10W	
CN401	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P		R602	1-216-814-11	METAL CHIP 270 5% 1/10W	
* CN600	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P		R603	1-216-841-11	METAL CHIP 47K 5% 1/10W	
CN602	1-506-469-11	PIN, CONNECTOR 4P		R604	1-216-833-11	METAL CHIP 10K 5% 1/10W	
* CN702	1-564-508-11	PLUG, CONNECTOR 5P		R605	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		< DIODE >		R606	1-216-841-11	METAL CHIP 47K 5% 1/10W	
D461	8-719-404-50	DIODE MA111-TX		R607	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
D465	8-719-404-50	DIODE MA111-TX		R608	1-216-845-11	METAL CHIP 100K 5% 1/10W	
D550	8-719-404-50	DIODE MA111-TX					
D609	8-719-404-50	DIODE MA111-TX					
D611	6-501-180-01	DIODE UDWZ-TE17-18B					

HCD-ZUX10D

POWER AMP

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R609	1-216-843-11	METAL CHIP	68K 5%	1/10W	R673	1-216-844-11	METAL CHIP 82K 5% 1/10W
R610	1-216-843-11	METAL CHIP	68K 5%	1/10W	R674	1-216-837-11	METAL CHIP 22K 5% 1/10W
R611	1-216-839-11	METAL CHIP	33K 5%	1/10W	R676	1-216-849-11	METAL CHIP 220K 5% 1/10W
△R612	1-245-605-51	FUSIBLE	100 5%	1/4W F	R677	1-216-849-11	METAL CHIP 220K 5% 1/10W
△R613	1-215-872-11	METAL OXIDE	3.3K 5%	1W F	R678	1-216-845-11	METAL CHIP 100K 5% 1/10W
△R614	1-215-872-11	METAL OXIDE	3.3K 5%	1W F	R682	1-216-821-11	METAL CHIP 1K 5% 1/10W
△R615	1-245-605-51	FUSIBLE	100 5%	1/4W F	R683	1-216-829-11	METAL CHIP 4.7K 5% 1/10W
△R616	1-217-637-00	FUSIBLE	1 5%	1/4W F	R685	1-216-833-11	METAL CHIP 10K 5% 1/10W
R617	1-216-845-11	METAL CHIP	100K 5%	1/10W	R692	1-216-841-11	METAL CHIP 47K 5% 1/10W
△R618	1-234-798-11	ENCAPSULATED COMPONENT	0.22X2 5W		R693	1-216-845-11	METAL CHIP 100K 5% 1/10W
R619	1-216-821-11	METAL CHIP	1K 5%	1/10W	R694	1-216-843-11	METAL CHIP 68K 5% 1/10W
R620	1-216-839-11	METAL CHIP	33K 5%	1/10W	R695	1-216-845-11	METAL CHIP 100K 5% 1/10W
R621	1-216-845-11	METAL CHIP	100K 5%	1/10W	R696	1-216-845-11	METAL CHIP 100K 5% 1/10W
R622	1-245-711-31	CARBON	10 5%	1/2W F	R697	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R623	1-216-845-11	METAL CHIP	100K 5%	1/10W	R698	1-216-845-11	METAL CHIP 100K 5% 1/10W
R624	1-216-837-11	METAL CHIP	22K 5%	1/10W	R700	1-216-821-11	METAL CHIP 1K 5% 1/10W
R625	1-216-826-11	METAL CHIP	2.7K 5%	1/10W	R701	1-216-841-11	METAL CHIP 47K 5% 1/10W
R628	1-216-837-11	METAL CHIP	22K 5%	1/10W	R702	1-216-814-11	METAL CHIP 270 5% 1/10W
R629	1-216-828-11	METAL CHIP	3.9K 5%	1/10W	R703	1-216-841-11	METAL CHIP 47K 5% 1/10W
R630	1-216-845-11	METAL CHIP	100K 5%	1/10W	△R712	1-245-605-51	FUSIBLE 100 5% 1/4W F
R631	1-216-845-11	METAL CHIP	100K 5%	1/10W	△R713	1-215-872-11	METAL OXIDE 3.3K 5% 1W F
R633	1-216-864-11	SHORT CHIP	0		△R714	1-215-872-11	METAL OXIDE 3.3K 5% 1W F
R634	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	△R715	1-245-605-51	FUSIBLE 100 5% 1/4W F
R635	1-216-833-11	METAL CHIP	10K 5%	1/10W	△R716	1-217-637-00	FUSIBLE 1 5% 1/4W F
△R636	1-215-891-11	METAL OXIDE	680 5%	2W F	R717	1-216-845-11	METAL CHIP 100K 5% 1/10W
△R637	1-215-891-11	METAL OXIDE	680 5%	2W F	△R718	1-234-798-11	ENCAPSULATED COMPONENT 0.22X2 5W
R638	1-216-845-11	METAL CHIP	100K 5%	1/10W	R719	1-216-821-11	METAL CHIP 1K 5% 1/10W
R639	1-216-845-11	METAL CHIP	100K 5%	1/10W	R721	1-216-845-11	METAL CHIP 100K 5% 1/10W
R640	1-216-821-11	METAL CHIP	1K 5%	1/10W	R722	1-245-711-31	CARBON 10 5% 1/2W F
R641	1-216-821-11	METAL CHIP	1K 5%	1/10W	R732	1-216-839-11	METAL CHIP 33K 5% 1/10W
R642	1-216-811-11	METAL CHIP	150 5%	1/10W	R734	1-216-844-11	METAL CHIP 82K 5% 1/10W
R643	1-216-811-11	METAL CHIP	150 5%	1/10W	R750	1-216-821-11	METAL CHIP 1K 5% 1/10W
R644	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R751	1-216-841-11	METAL CHIP 47K 5% 1/10W
R645	1-216-833-11	METAL CHIP	10K 5%	1/10W	R752	1-216-814-11	METAL CHIP 270 5% 1/10W
R646	1-260-087-11	CARBON	100 5%	1/2W F	R753	1-216-841-11	METAL CHIP 47K 5% 1/10W
R647	1-216-821-11	METAL CHIP	1K 5%	1/10W	R763	1-216-837-11	METAL CHIP 22K 5% 1/10W
R648	1-216-837-11	METAL CHIP	22K 5%	1/10W	R764	1-260-087-11	CARBON 100 5% 1/2W F
R649	1-216-837-11	METAL CHIP	22K 5%	1/10W	R765	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R650	1-216-821-11	METAL CHIP	1K 5%	1/10W	△R768	1-234-798-11	ENCAPSULATED COMPONENT 0.22X2 5W
R651	1-216-841-11	METAL CHIP	47K 5%	1/10W	R769	1-216-821-11	METAL CHIP 1K 5% 1/10W
R652	1-216-814-11	METAL CHIP	270 5%	1/10W	R771	1-216-845-11	METAL CHIP 100K 5% 1/10W
R653	1-216-841-11	METAL CHIP	47K 5%	1/10W	R772	1-245-711-31	CARBON 10 5% 1/2W F
R654	1-216-841-11	METAL CHIP	47K 5%	1/10W	R778	1-216-841-11	METAL CHIP 47K 5% 1/10W
R655	1-216-841-11	METAL CHIP	47K 5%	1/10W	R779	1-216-841-11	METAL CHIP 47K 5% 1/10W
R656	1-216-849-11	METAL CHIP	220K 5%	1/10W	R782	1-216-839-11	METAL CHIP 33K 5% 1/10W
R657	1-216-849-11	METAL CHIP	220K 5%	1/10W	R784	1-216-845-11	METAL CHIP 100K 5% 1/10W
R658	1-216-845-11	METAL CHIP	100K 5%	1/10W	R795	1-216-845-11	METAL CHIP 100K 5% 1/10W
R660	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R796	1-216-845-11	METAL CHIP 100K 5% 1/10W
R661	1-216-829-11	METAL CHIP	4.7K 5%	1/10W			< RELAY >
R662	1-216-811-11	METAL CHIP	150 5%	1/10W			
R663	1-216-811-11	METAL CHIP	150 5%	1/10W	RY461	1-755-500-11	RELAY
R666	1-216-821-11	METAL CHIP	1K 5%	1/10W	RY646	1-755-500-11	RELAY
R667	1-216-833-11	METAL CHIP	10K 5%	1/10W	RY760	1-755-500-11	RELAY
△R668	1-234-798-11	ENCAPSULATED COMPONENT	0.22X2 5W				< THERMISTOR >
R669	1-216-821-11	METAL CHIP	1K 5%	1/10W			
R670	1-216-839-11	METAL CHIP	33K 5%	1/10W	TH629	1-807-796-11	THERMISTOR
R671	1-216-845-11	METAL CHIP	100K 5%	1/10W	TH630	1-807-796-11	THERMISTOR
R672	1-245-711-31	CARBON	10 5%	1/2W F			

POWER AMP **POWER LED** **PRIMARY** **RIGHT KEY**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< TERMINAL BOARD >				< TRANSISTOR >	
TM403	1-780-473-11	TERMINAL BOARD (SPEAKER) 1P (CENTER SPEAKER)		Q1200	8-729-230-49	TRANSISTOR 2SC2712-YG	
TM601	1-820-067-11	TERMINAL BOARD (SPEAKER) 2P (FRONT SPEAKER)				< RESISTOR >	
TM701	1-820-067-11	TERMINAL BOARD (SPEAKER) 2P (SURROUND SPEAKER)		R1200	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
		*****		R1201	1-216-845-11	METAL CHIP 100K 5% 1/10W	
		POWER LED BOARD *****				< RELAY >	
		< DIODE >		△RY1200	1-755-439-11	RELAY	
D900	8-719-404-50	DIODE MA111-TX				< SWITCH >	
D901	6-501-228-01	LED SELU5420E-STP15 (I/⊕ (GREEN))		△S1200	1-771-291-31	SWITCH, POWER (VOLTAGE SELECTOR) (EXCEPT AUS)	
D902	8-719-058-04	LED SEL5223S-TP15 (I/⊕ (RED))				*****	
		< TRANSISTOR >				RIGHT KEY BOARD *****	
Q900	8-729-027-29	TRANSISTOR DTA123JKA-T146				< CAPACITOR >	
Q901	8-729-027-50	TRANSISTOR DTC123JKA-T146					
		< RESISTOR >		C915	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
R900	1-216-817-11	METAL CHIP 470 5% 1/10W		C916	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
R901	1-216-819-11	METAL CHIP 680 5% 1/10W		C917	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
R902	1-216-821-11	METAL CHIP 1K 5% 1/10W		C918	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
R903	1-216-823-11	METAL CHIP 1.5K 5% 1/10W				< DIODE >	
R906	1-216-805-11	METAL CHIP 47 5% 1/10W		D907	6-500-727-01	LED SLR-343DCT32 (CHORUS)	
				D909	6-500-727-01	LED SLR-343DCT32 (AQUA)	
R908	1-216-808-11	METAL CHIP 82 5% 1/10W		D915	6-501-579-01	DIODE MC2837	
		< SWITCH >				< TRANSISTOR >	
S900	1-771-410-21	SWITCH, TACTILE (TUNER/BAND)		Q903	8-729-027-50	TRANSISTOR DTC123JKA-T146	
S901	1-771-410-21	SWITCH, TACTILE (DVD)				< RESISTOR >	
S902	1-771-410-21	SWITCH, TACTILE (TAPE A)		R909	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
S903	1-771-410-21	SWITCH, TACTILE (BEAM MODE)		R910	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
S904	1-771-410-21	SWITCH, TACTILE (I/⊕)		R911	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
		*****		R912	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
		PRIMARY BOARD *****		R913	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
		< CAPACITOR >		R914	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
C1201	1-164-156-11	CERAMIC CHIP 0.1uF 25V		R915	1-216-833-11	METAL CHIP 10K 5% 1/10W	
C1202	1-164-156-11	CERAMIC CHIP 0.1uF 25V		R916	1-216-835-11	METAL CHIP 15K 5% 1/10W	
C1204	1-164-156-11	CERAMIC CHIP 0.1uF 25V		R917	1-216-837-11	METAL CHIP 22K 5% 1/10W	
C1206	1-126-916-11	ELECT 1000uF 20% 6.3V		R975	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< CONNECTOR >		R976	1-216-821-11	METAL CHIP 1K 5% 1/10W	
CN1200	1-785-315-11	PIN, CONNECTOR (STRAIGHT) 3P		R977	1-216-821-11	METAL CHIP 1K 5% 1/10W	
CN1202	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		R978	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< DIODE >				< SWITCH >	
D1200	8-719-404-50	DIODE MA111-TX		S909	1-771-410-21	SWITCH, TACTILE (TECHNO)	
		< JUMPER RESISTOR >		S910	1-771-410-21	SWITCH, TACTILE (HIP HOP)	
JR1202	1-216-864-11	SHORT CHIP 0		S911	1-771-410-21	SWITCH, TACTILE (REGGAE)	
		< COIL >		S912	1-771-410-21	SWITCH, TACTILE (MP3 EQ)	
L1201	1-410-666-31	INDUCTOR 18uH		S913	1-771-410-21	SWITCH, TACTILE (FLAT)	
				S914	1-771-410-21	SWITCH, TACTILE (SOUND FIELD)	
				S915	1-771-410-21	SWITCH, TACTILE (GROOVE)	
				S916	1-771-410-21	SWITCH, TACTILE (CHORUS)	
				S917	1-771-410-21	SWITCH, TACTILE (AQUA)	

HCD-ZUX10D

SENSOR **SW** **TRANS** **VIDEO**

Ref. No.	Part No.	Description	Remark
	1-687-132-12	SENSOR BOARD *****	
		< CONNECTOR >	
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P	
		< IC >	
IC731	6-600-564-01	IC RPI-579N1	

	1-687-669-12	SW BOARD *****	
		< SWITCH >	
S751	1-786-514-11	SWITCH, LEVER (SLIDE) (OPEN/CLOSE DETECT)	

A-1257-724-A		TRANS BOARD, COMPLETE *****	
	1-533-217-41	HOLDER, FUSE	
		< CAPACITOR >	
C1262	1-126-964-11	ELECT	10uF 20% 50V
C1263	1-126-968-11	ELECT	100uF 20% 50V
C1292	1-128-563-11	ELECT	100uF 20% 100V
		< CONNECTOR >	
* CN1213	1-564-523-11	PLUG, CONNECTOR 8P	
		< DIODE >	
D1264	6-501-181-01	DIODE UDZW-TE17-20B	
D1265	6-501-182-01	DIODE UDZW-TE17-22B	
D1292	6-500-522-21	DIODE 10EDB40-TB3	
		< TRANSISTOR >	
Q1264	8-729-024-93	TRANSISTOR 2SB1565E	
		< RESISTOR >	
R1262	1-216-832-11	METAL CHIP	8.2K 5% 1/10W
R1263	1-216-832-11	METAL CHIP	8.2K 5% 1/10W
R1264	1-216-821-11	METAL CHIP	1K 5% 1/10W
△R1292	1-219-124-11	FUSIBLE	0.68 5% 1/4W F

		VIDEO BOARD *****	
		< CAPACITOR >	
C800	1-126-960-11	ELECT	1uF 20% 50V
C801	1-126-960-11	ELECT	1uF 20% 50V
C802	1-126-960-11	ELECT	1uF 20% 50V
C803	1-126-965-11	ELECT	22uF 20% 50V
C804	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C805	1-126-960-11	ELECT	1uF 20% 50V
C806	1-126-960-11	ELECT	1uF 20% 50V
C807	1-126-960-11	ELECT	1uF 20% 50V
C808	1-104-658-11	ELECT	100uF 20% 10V

Ref. No.	Part No.	Description	Remark
C809	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C810	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C812	1-126-916-11	ELECT	1000uF 20% 6.3V
C813	1-126-916-11	ELECT	1000uF 20% 6.3V
C814	1-126-916-11	ELECT	1000uF 20% 6.3V
C815	1-126-916-11	ELECT	1000uF 20% 6.3V
C816	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
C817	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
C818	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
C819	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C820	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
C821	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C822	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
C823	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
C825	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C826	1-126-964-11	ELECT	10uF 20% 50V
C827	1-126-964-11	ELECT	10uF 20% 50V
C829	1-126-916-11	ELECT	1000uF 20% 6.3V
C830	1-104-658-11	ELECT	100uF 20% 10V
C831	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
		< CONNECTOR >	
CN801	1-779-281-11	CONNECTOR, FFC (LIF(NON-ZIF)) 13P	
		< JUMPER RESISTOR >	
FB800	1-216-864-11	SHORT CHIP	0
FB801	1-216-864-11	SHORT CHIP	0
FB802	1-216-864-11	SHORT CHIP	0
FB803	1-216-864-11	SHORT CHIP	0
FB804	1-216-864-11	SHORT CHIP	0
FB805	1-216-864-11	SHORT CHIP	0
		< IC >	
IC800	8-759-295-90	IC NJM2244M-TE2	
IC801	6-710-470-01	IC MM1758AFBE	
		< JACK >	
J800	1-817-449-11	JACK, PIN 3P (COMPONENT VIDEO OUT)	
J801	1-784-248-11	CONNECTOR (ROUND TYPE) (S VIDEO OUT)	
J802	1-774-227-11	JACK, PIN 1P (VIDEO OUT)	
		< JUMPER RESISTOR >	
JR800	1-216-864-11	SHORT CHIP	0
JR802	1-216-864-11	SHORT CHIP	0
JR803	1-216-864-11	SHORT CHIP	0
JR805	1-216-864-11	SHORT CHIP	0
JR810	1-216-864-11	SHORT CHIP	0
		< COIL >	
L801	1-414-183-41	INDUCTOR	10uH
		< RESISTOR >	
R800	1-216-809-11	METAL CHIP	100 5% 1/10W
R802	1-218-285-11	METAL CHIP	75 5% 1/10W
R803	1-218-285-11	METAL CHIP	75 5% 1/10W
R804	1-218-285-11	METAL CHIP	75 5% 1/10W
R805	1-218-285-11	METAL CHIP	75 5% 1/10W

Ref. No.	Part No.	Description	Remark
R807	1-216-809-11	METAL CHIP 100 5%	1/10W
R808	1-218-285-11	METAL CHIP 75 5%	1/10W
R809	1-216-833-11	METAL CHIP 10K 5%	1/10W
R810	1-218-285-11	METAL CHIP 75 5%	1/10W
R812	1-216-857-11	METAL CHIP 1M 5%	1/10W
R813	1-216-845-11	METAL CHIP 100K 5%	1/10W
R814	1-216-809-11	METAL CHIP 100 5%	1/10W

VOL BOARD			

< CAPACITOR >			
C901	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C902	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
< JUMPER RESISTOR >			
JR902	1-216-864-11	SHORT CHIP 0	
< RESISTOR >			
R930	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R931	1-216-821-11	METAL CHIP 1K 5%	1/10W
R932	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R933	1-216-821-11	METAL CHIP 1K 5%	1/10W
< ROTARY ENCODER >			
S950	1-478-133-11	ENCODER, ROTARY (OPERATION DIAL)	
S951	1-418-725-51	ENCODER, ROTARY (12 TYPE)	(MASTER VOLUME)

VR BOARD			

< CAPACITOR >			
C500	1-124-589-11	ELECT 47uF 20%	16V
C501	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C502	1-124-589-11	ELECT 47uF 20%	16V
C504	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C510	1-124-257-00	ELECT 2.2uF 20%	50V
C511	1-126-160-11	ELECT 1uF 20%	50V
C512	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C513	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C520	1-124-257-00	ELECT 2.2uF 20%	50V
C521	1-124-589-11	ELECT 47uF 20%	16V
C522	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C523	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C524	1-124-261-00	ELECT 10uF 20%	50V
C525	1-126-163-11	ELECT 4.7uF 20%	50V
C526	1-124-464-11	ELECT 0.22uF 20%	50V
C527	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C530	1-126-160-11	ELECT 1uF 20%	50V
C531	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V
C532	1-115-416-11	CERAMIC CHIP 0.001uF 5%	25V
C533	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C534	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C535	1-136-497-81	FILM 0.1uF 5%	50V
C537	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C538	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V

Ref. No.	Part No.	Description	Remark
C539	1-136-497-81	FILM 0.1uF 5%	50V
C541	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V
C542	1-115-416-11	CERAMIC CHIP 0.001uF 5%	25V
C543	1-126-160-11	ELECT 1uF 20%	50V
C544	1-124-463-00	ELECT 0.1uF 20%	50V
C545	1-124-257-00	ELECT 2.2uF 20%	50V
C546	1-124-257-00	ELECT 2.2uF 20%	50V
C547	1-124-257-00	ELECT 2.2uF 20%	50V
< CONNECTOR >			
CN501	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P	
CN502	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P	
< DIODE >			
D520	6-501-167-01	DIODE UDZW-TE17-5.1B	
< IC >			
IC506	8-759-710-97	IC NJM4565M-D	
IC507	6-710-879-01	IC R2A15906SP	
< JUMPER RESISTOR >			
JR500	1-216-864-11	SHORT CHIP 0	
JR501	1-216-864-11	SHORT CHIP 0	
JR534	1-216-864-11	SHORT CHIP 0	
< RESISTOR >			
R501	1-216-841-11	METAL CHIP 47K 5%	1/10W
R502	1-216-845-11	METAL CHIP 100K 5%	1/10W
R503	1-216-845-11	METAL CHIP 100K 5%	1/10W
R504	1-216-841-11	METAL CHIP 47K 5%	1/10W
R518	1-216-815-11	METAL CHIP 330 5%	1/10W
R519	1-216-815-11	METAL CHIP 330 5%	1/10W
R520	1-216-841-11	METAL CHIP 47K 5%	1/10W
R521	1-216-830-11	METAL CHIP 5.6K 5%	1/10W
R522	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R523	1-216-837-11	METAL CHIP 22K 5%	1/10W
R524	1-216-837-11	METAL CHIP 22K 5%	1/10W
R525	1-216-837-11	METAL CHIP 22K 5%	1/10W
R526	1-216-841-11	METAL CHIP 47K 5%	1/10W
R527	1-216-841-11	METAL CHIP 47K 5%	1/10W
R528	1-216-833-11	METAL CHIP 10K 5%	1/10W
R529	1-216-837-11	METAL CHIP 22K 5%	1/10W
R530	1-216-837-11	METAL CHIP 22K 5%	1/10W
R531	1-216-837-11	METAL CHIP 22K 5%	1/10W
R532	1-216-841-11	METAL CHIP 47K 5%	1/10W
R533	1-216-841-11	METAL CHIP 47K 5%	1/10W
R534	1-216-821-11	METAL CHIP 1K 5%	1/10W
R535	1-216-815-11	METAL CHIP 330 5%	1/10W
R536	1-216-815-11	METAL CHIP 330 5%	1/10W
R537	1-216-833-11	METAL CHIP 10K 5%	1/10W
R538	1-216-833-11	METAL CHIP 10K 5%	1/10W
< VARIABLE RESISTOR >			
RV501	1-227-452-11	RES, VAR, CARBON 50K (MIC 1 LEVEL)	
RV502	1-227-452-11	RES, VAR, CARBON 50K (MIC 2 LEVEL)	
RV504	1-227-452-11	RES, VAR, CARBON 50K (ECHO LEVEL)	

HCD-ZUX10D

Ver. 1.3

X-ROUND

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		X-ROUND BOARD *****				MISCELLANEOUS *****	
		< CAPACITOR >					
C906	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	51	1-828-991-11	WIRE (FLAT TYPE) (17 CORE)	
		< CONNECTOR >		208	1-828-966-11	WIRE (FLAT TYPE) (11 CORE)	
CN907	1-785-330-11	PIN, CONNECTOR (LIGHT ANGLE) 4P		212	1-417-658-11	DECK, MECHA	
CN911	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P		△251	1-468-737-51	POWER, SWITCHING	
		< RESISTOR >		252	1-828-361-11	WIRE (FLAT TYPE) (19 CORE)	
R962	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	253	1-828-954-11	WIRE (FLAT TYPE) (9 CORE)	
R963	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	△304	1-777-071-83	CORD, POWER (EXCEPT AUS)	
R964	1-216-821-11	METAL CHIP	1K 5% 1/10W	△304	1-829-259-11	CORD, POWER (AUS)	
R965	1-216-819-11	METAL CHIP	680 5% 1/10W	△305	1-569-008-21	ADAPTOR, CONVERSION (EXCEPT AUS,EA)	
R966	1-216-817-11	METAL CHIP	470 5% 1/10W	308	1-828-334-11	WIRE (FLAT TYPE) (13 CORE)	
R967	1-216-821-11	METAL CHIP	1K 5% 1/10W	309	1-828-373-11	WIRE (FLAT TYPE) (21 CORE)	
R968	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	317	1-828-329-11	WIRE (FLAT TYPE) (13 CORE)	
		< SWITCH >		△318	1-770-019-71	ADAPTOR, CONVERSION PLUG 3P (EA)	
S938	1-771-410-21	SWITCH, TACTILE (X-ROUND ON/OFF)		352	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
S950	1-478-133-11	ENCODER, ROTARY (X-ROUND JOG)		403	1-828-977-11	WIRE (FLAT TYPE) (13 CORE)	
S961	1-771-410-21	SWITCH, TACTILE (X-ROUND MODE)		423	1-828-774-11	WIRE (FLAT TYPE) (24 CORE)	
S962	1-771-410-21	SWITCH, TACTILE (MAX/JUMP MODE)		△424	8-820-322-04	OPTICAL PICK-UP (KHM313CAB/C2RP1)	
S963	1-771-410-21	SWITCH, TACTILE (JUMP PAD)		△F1241	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)	
S964	1-771-410-21	SWITCH, TACTILE (MAX PAD)		△F1251	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)	
		*****		△F1261	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)	
				△F1271	1-533-949-33	FUSE, CYLINDRICAL (TIME LAG) (T8AL/250V)	
				△F1281	1-532-504-33	FUSE (T4AL/250V)	
				△F1291	1-532-504-33	FUSE (T4AL/250V)	
				M741	A-1108-965-A	MOTOR ASSY, TABLE (TABLE)	
				M751	A-4737-553-A	MOTOR ASSY, LOADING (LOADING)	
				M891	1-763-372-11	FAN, DC	
				M892	1-763-372-11	FAN, DC	
				RE701	1-477-680-12	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	
				△T1200	1-445-259-11	TRANSFORMER, POWER (EXCEPT EA)	
				△T1200	1-445-747-11	TRANSFORMER, POWER (EA)	
				TU901	1-693-734-11	TUNER (FM/AM) (ANTENNA) (AUS)	
				TU901	1-693-734-21	TUNER (FM/AM) (ANTENNA) (EXCEPT AUS)	

MEMO

