

HCD-GNX700/GNX800

SERVICE MANUAL

Ver. 1.1 2006.09

E Model
HCD-GNX700/GNX800
Australian Model
HCD-GNX800



Photo: HCD-GNX800

- HCD-GNX700/GNX800 is the Amplifier, CD player, tape deck and tuner section in MHC-GNX700/GNX800.

CD Section	Model Name Using Similar Mechanism	HCD-GN880
	CD Mechanism Type	CDM74KF-F1BD81A
	Base Unit Name	BU-F1BD81A
TAPE Section	Optical Pick-up Name	KSM-215DCP/C2NP
	Model Name Using Similar Mechanism	HCD-GNX80
	Tape Transport Mechanism Type	CWN42FF601

SPECIFICATIONS

Amplifier section

HCD-GNX800

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

Front/Surround speaker
DIN power output (rated) 180 + 180 watts
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference)
225 + 225 watts
(6 ohms at 1 kHz, 10% THD)

Subwoofer
Continuous RMS power output (reference)
200 watts
(8 ohms at 100 Hz, 10% THD)

HCD-GNX700

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

Front speaker
DIN power output (rated) 170 + 170 watts
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference)
220 + 220 watts
(6 ohms at 1 kHz, 10% THD)

Subwoofer

Continuous RMS power output (reference)
160 watts
(8 ohms at 100 Hz, 10% THD)

Inputs

VIDEO/MD (AUDIO) IN (phono jacks):
voltage 250/450 mV,
impedance 47 kilohms
TV (AUDIO) IN (phono jack):
voltage 250 mV,
impedance 47 kilohms
MIC (phone jack):
sensitivity 1 mV,
impedance 10 kilohms

Outputs

PHONES (stereo mini jack): accepts headphones of 8 ohms or more
FRONT SPEAKER/SURROUND SPEAKER/
SUBWOOFER OUT: Use only the supplied speaker

- Continued on next page -

Mini Hi-Fi COMPONENT SYSTEM

9-887-068-02
2006102-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY®

HCD-GNX700/GNX800

Disc player section

System	Compact disc and digital audio system
Laser	Semiconductor laser ($\lambda=780$ nm)
Laser Output	Emission duration: continuous Max. 44.6 μ W* * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Frequency response	2 Hz – 20 kHz (± 0.5 dB)
Wave length	780 – 790 nm
Signal-to-noise ratio	More than 90 dB
Dynamic range	More than 90 dB

OPTICAL CD DIGITAL OUT

(Square optical connector jack, rear panel)	
Wave length	660 nm
Output Level	-18 dBm

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
Antenna	FM lead antenna
Antenna terminals	75 ohm unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

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

Antenna	AM loop antenna
Antenna terminals	External antenna terminal
Intermediate frequency	450 kHz

General

Power requirements	
Australian model:	230 – 240 V AC, 50/60 Hz
Argentina models:	220 V AC, 50/60 Hz
Other models:	120 V, 220 V or 230 – 240 V AC, 50/60 Hz Adjustable with voltage selector
Power consumption	
MHC-GNX800	350 watts
MHC-GNX700	290 watts
Dimensions (w/h/d) (Approx.)	281 × 362 × 404.5 mm
Mass (Approx.)	
HCD-GNX800	14.3 kg
HCD-GNX700	14.0 kg

Design and specifications are subject to change without notice.

Notes on chip component replacement

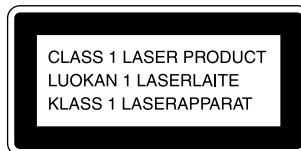
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

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

CAUTION

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



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

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.

SAFETY-RELATED COMPONENT WARNING!!

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

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SECTION 1 SERVICING NOTES

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

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

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

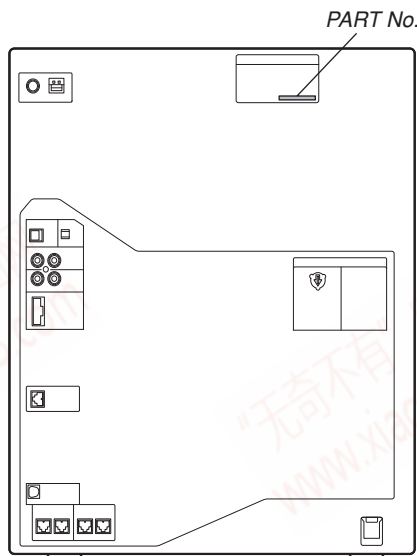
NOTES ON LASER DIODE EMISSION CHECK

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

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveform is output several times.

• MODEL IDENTIFICATION – Back Panel –



MODEL	PART No.
GNX800: E2 model	2-661-760-0□
GNX700: E2 model	2-661-760-1□
GNX800: E3 model	2-672-142-3□
GNX700: E3 model	2-672-142-4□
GNX800: E51 model	2-675-973-0□
GNX700: E51 model	2-675-973-1□
AR model	2-675-974-0□
AUS model	2-675-975-0□

- Abbreviation
 - AR : Argentina model
 - AUS : Australian model
 - E2 : 120 V AC Area in E model
 - E3 : 240 V AC Area in E model
 - E51 : Chilean and Peruvian model

SECTION 2 GENERAL

This section is extracted from instruction manual.

LOCATING THE CONTROLS

Main unit

ALPHABETICAL ORDER

A - D

ALBUM +/- 19
AMP MENU 33
CD 40
CD SYNC 14
Deck A 34
Deck B 22
DELAY 31
DIRECTION 23
DISC 1 ~ 3 1
Disc tray 12
DISPLAY 6
Display 10

E - L

ECHO LEVEL 26
ENTER 25
EQ BAND 24
EX-CHANGE/DISC SKIP 2
FLANGER 7
GROOVE 20
ILLUMINATION 5
IR Receptor 41
KARAOKE 23

M - R

MASTER VOLUME 28
MIC 1/2 (jack) 29
MIC 1/2 LEVEL 27
MP3 BOOSTER 11
OPEN/CLOSE 3
OPERATION DIAL 4
PHONES (jack) 32
Power illuminator 9
REC PAUSE/START 13

S - Z

SOUND FLASH 30
SURROUND¹⁾ 8
SURR SPEAKER MODE²⁾ 8
TAPE A/B 38
Tape lid 22 34
TUNER/BAND 39
TUNING +/- 18
TV 37
VIDEO/MD 36

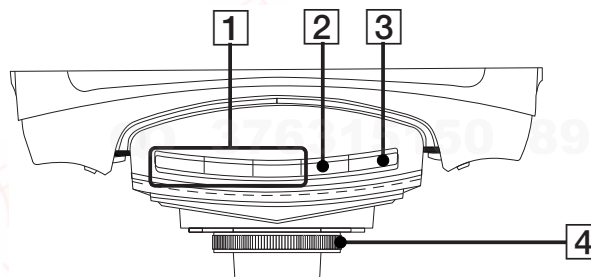
SYMBOLS

I/⏻ (power) 42
▲ OPEN/CLOSE 3
▶ (play) 15
▶▶/◀◀ (forward/go backward) 18
▶▶/◀◀ (fast forward/rewind) 19
|| (pause) 16
■ (stop) 17
A ▲ (Eject A) 35
B ▲ (Eject B) 21

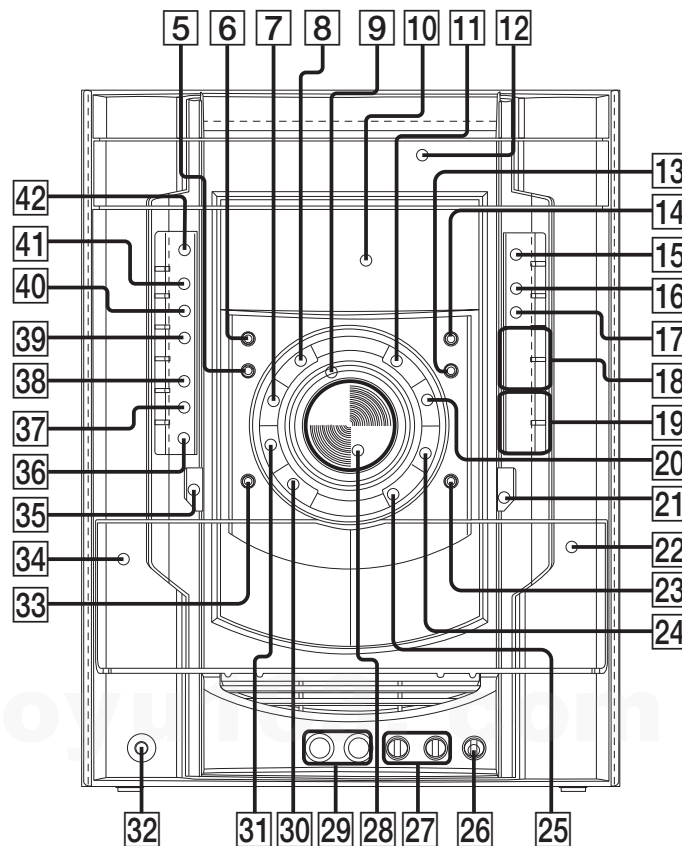
¹⁾For MHC-GNX700

²⁾For MHC-GNX800

Top Panel



Front Panel



This section is extracted from instruction manual.

Remote control

ALPHABETICAL ORDER

A - E

ALBUM + [14]
ALBUM - [16]
CD [24]
CLEAR [18]
CLOCK/TIMER SELECT [2]
CLOCK/TIMER SET [4]
DISC SKIP [13]
DISPLAY [26]
ENTER [12]
EQ [17]

F - Z

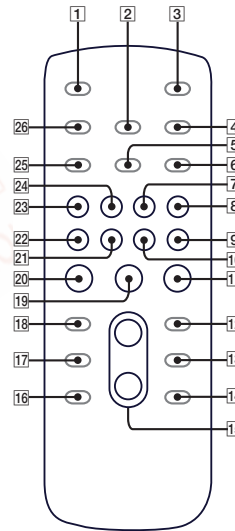
FM MODE [6]
FUNCTION [8]
PLAY MODE [5]
REPEAT [6]
SLEEP [1]

TAPE [23]
TUNER/BAND [7]
TUNER MEMORY [25]
TUNING MODE [5]
VOLUME +/- [15]
The + button has a tactile dot.*

SYMBOLS

I/⏻ (power) [3]
■ (stop) [11]
⏸ (pause) [19]
▶ (play) [20]
◀◀ (go backward) [22]
▶▶ (go forward) [21]
◀◀ (rewind) [10]
▶▶ (fast forward) [9]

* Use the tactile dot as a reference when operating the system.



Setting the clock

Use buttons on the remote for the operation.

- 1 Press I/⏻ to turn on the system.**
- 2 Press CLOCK/TIMER SET.**
“CLOCK” appears in the display. Then, the hour indication flashes in the display.
- 3 Press ◀◀ or ▶▶ repeatedly to set the hour.**
- 4 Press ENTER.**
The minute indication flashes in the display.
- 5 Press ◀◀ or ▶▶ repeatedly to set the minute.**
- 6 Press ENTER.**
The clock starts functioning.

To adjust the clock

- 1 Press CLOCK/TIMER SET.**
“SET” appears in the display, then “PLAY SET?” flashes in the display.
- 2 Press ◀◀ or ▶▶ repeatedly to select “CLOCK SET?”, then press ENTER.**
The hour indication flashes in the display.
- 3 Do the same procedures as step 3 to 6 above.**

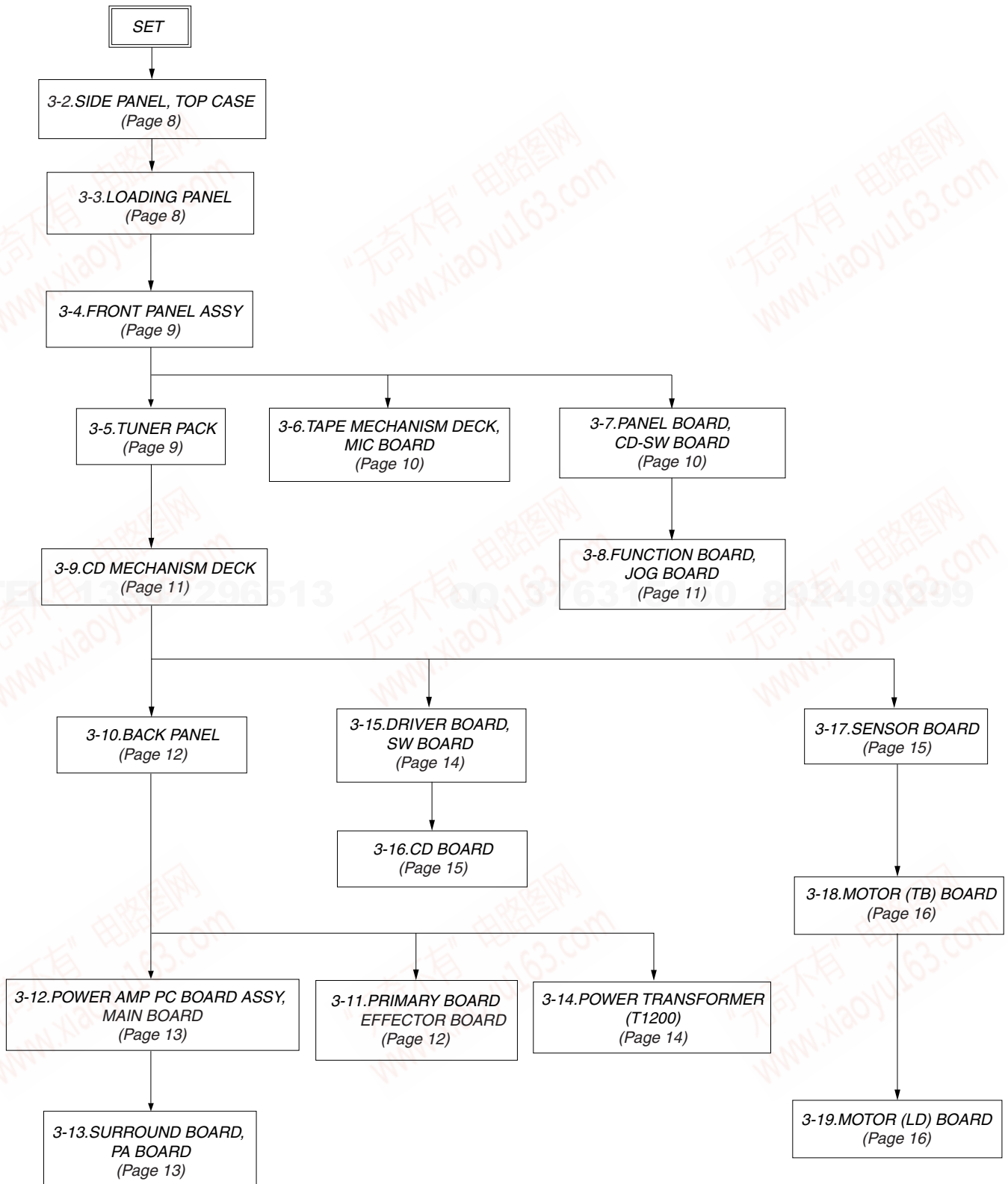
Notes

The clock settings are canceled when you disconnect the power cord or if a power failure occurs.
You cannot set the clock in Power Saving Mode.

SECTION 3 DISASSEMBLY

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

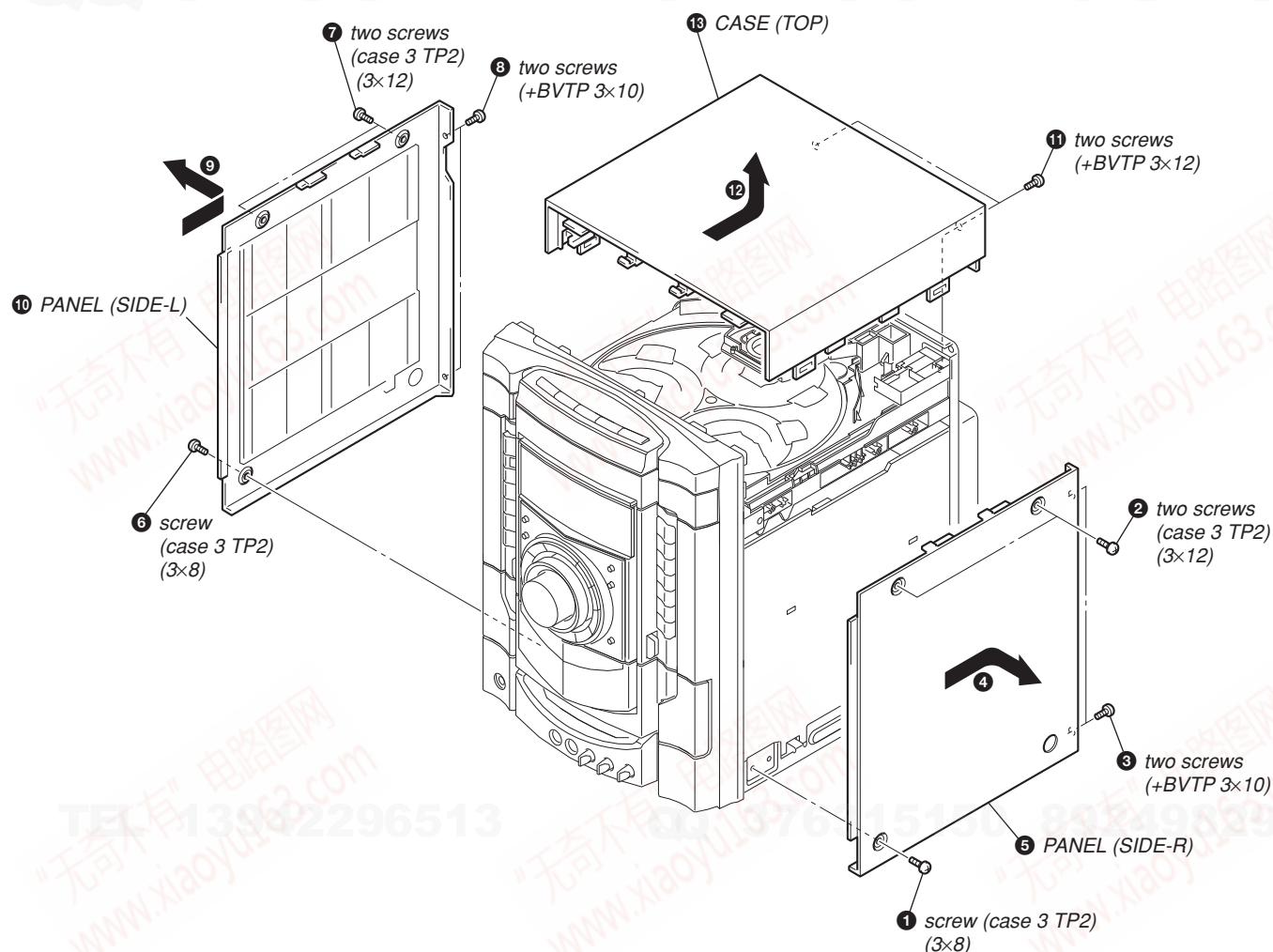
3-1. DISASSEMBLY FLOW



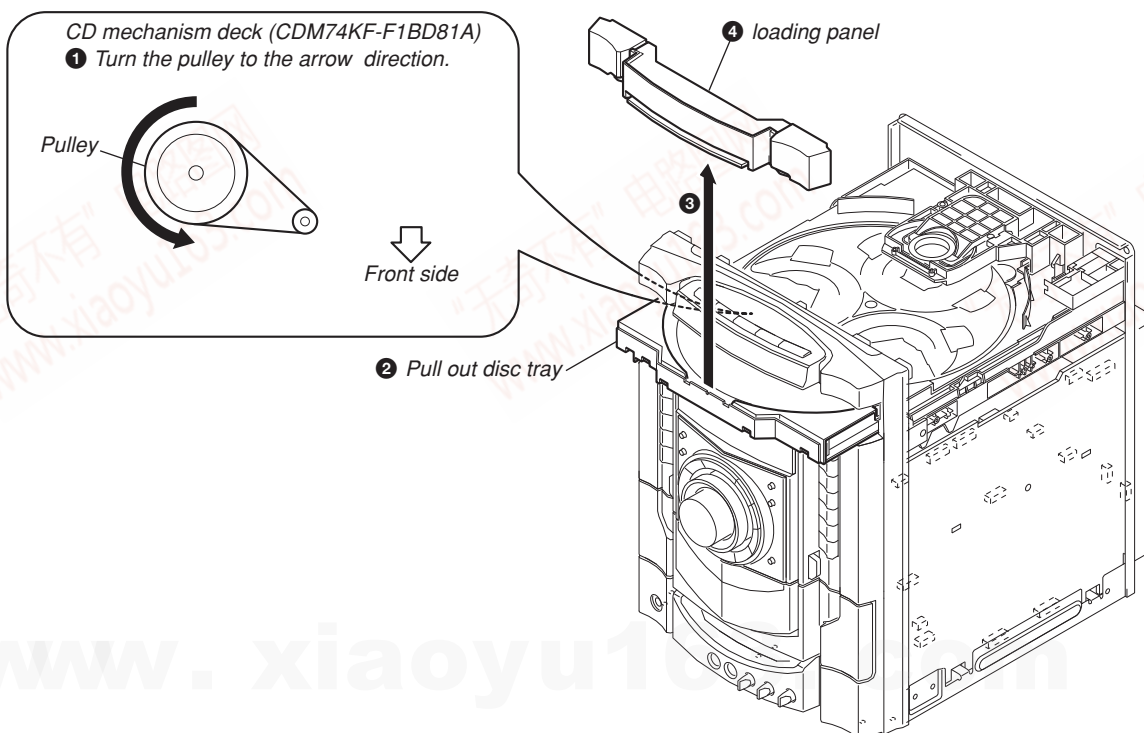
HCD-GNX700/GNX800

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

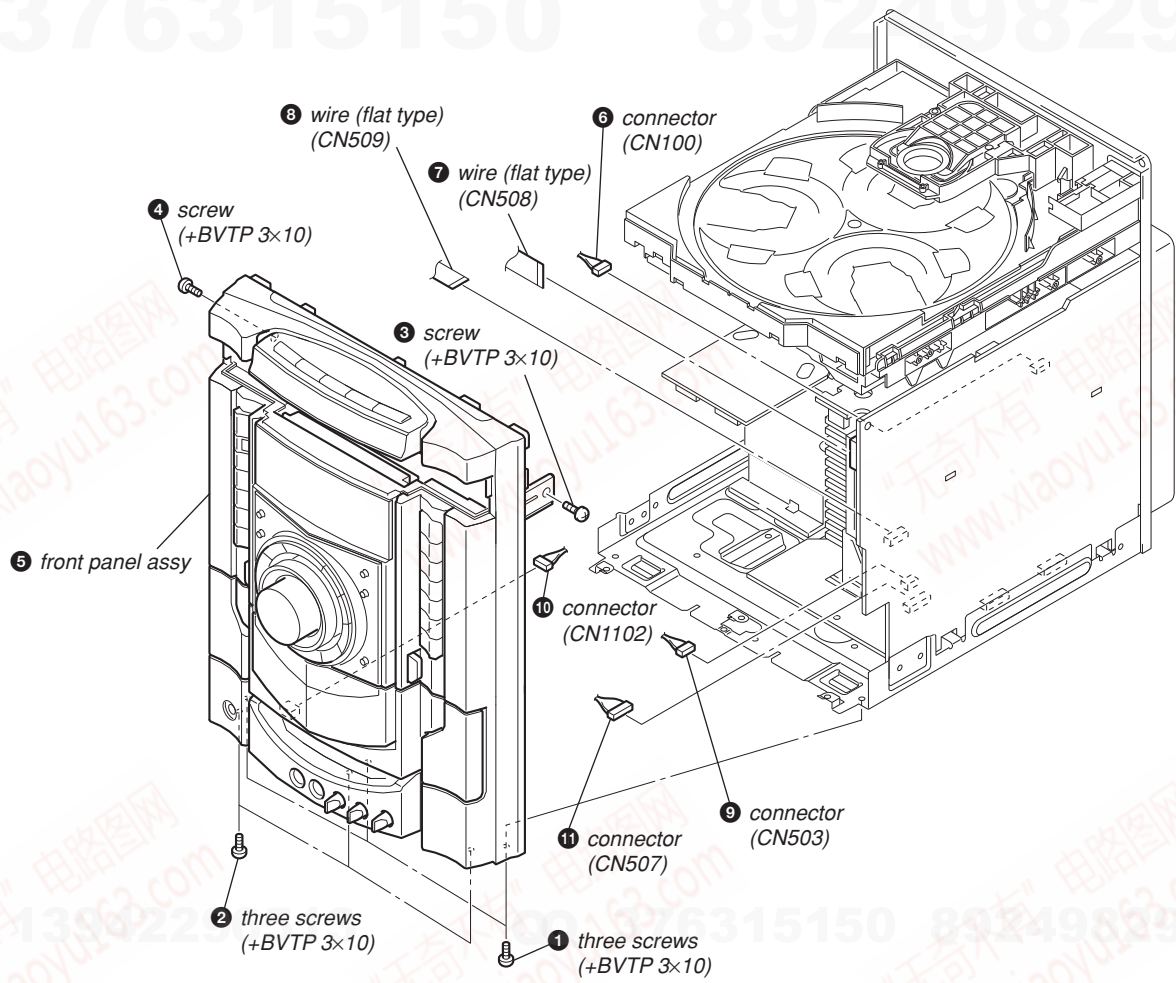
3-2. SIDE PANEL, TOP CASE



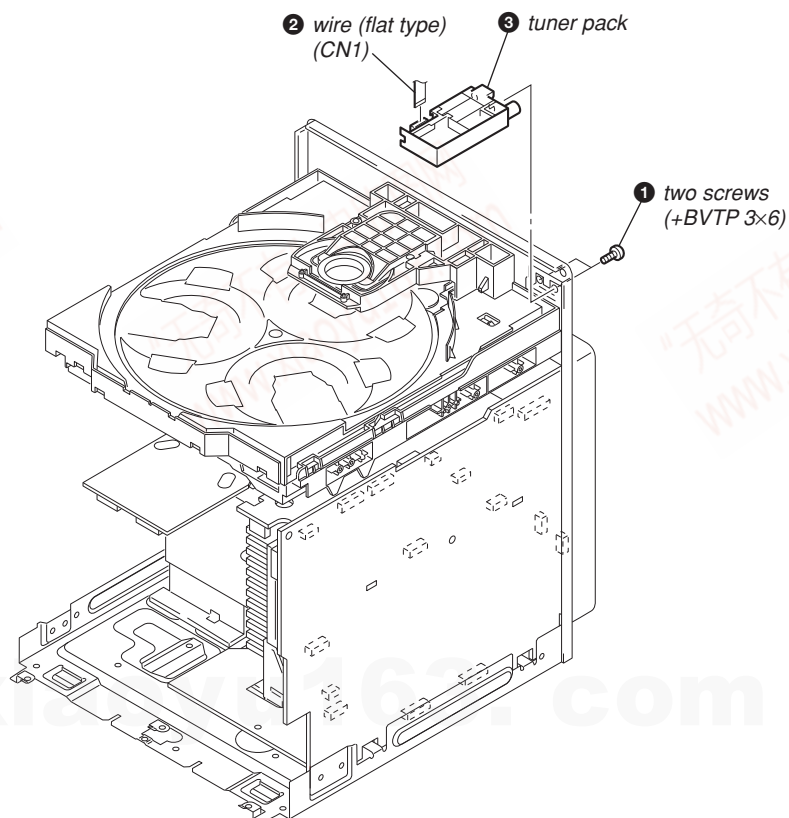
3-3. LOADING PANEL



3-4. FRONT PANEL ASSY

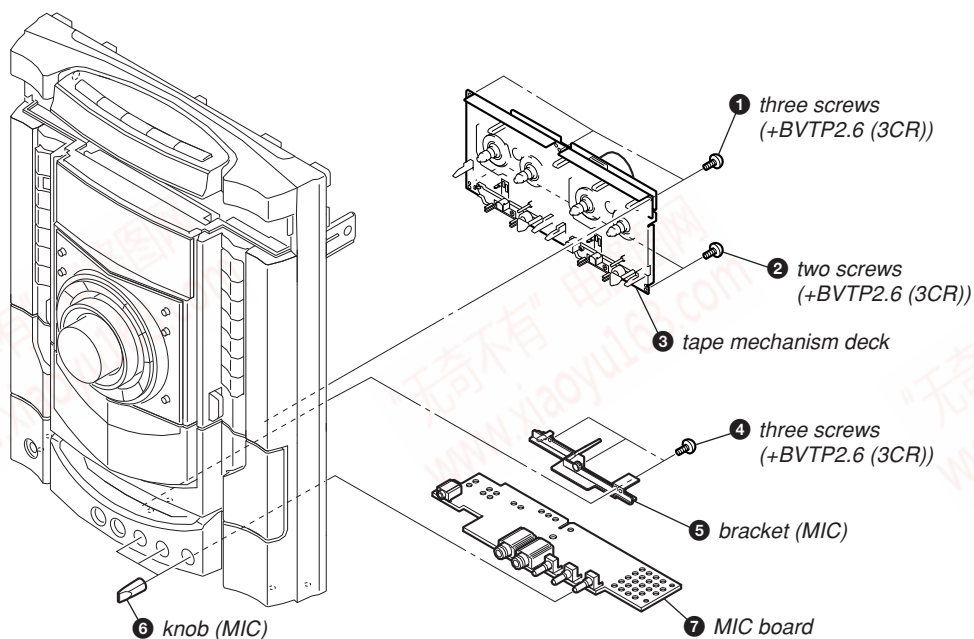


3-5. TUNER PACK



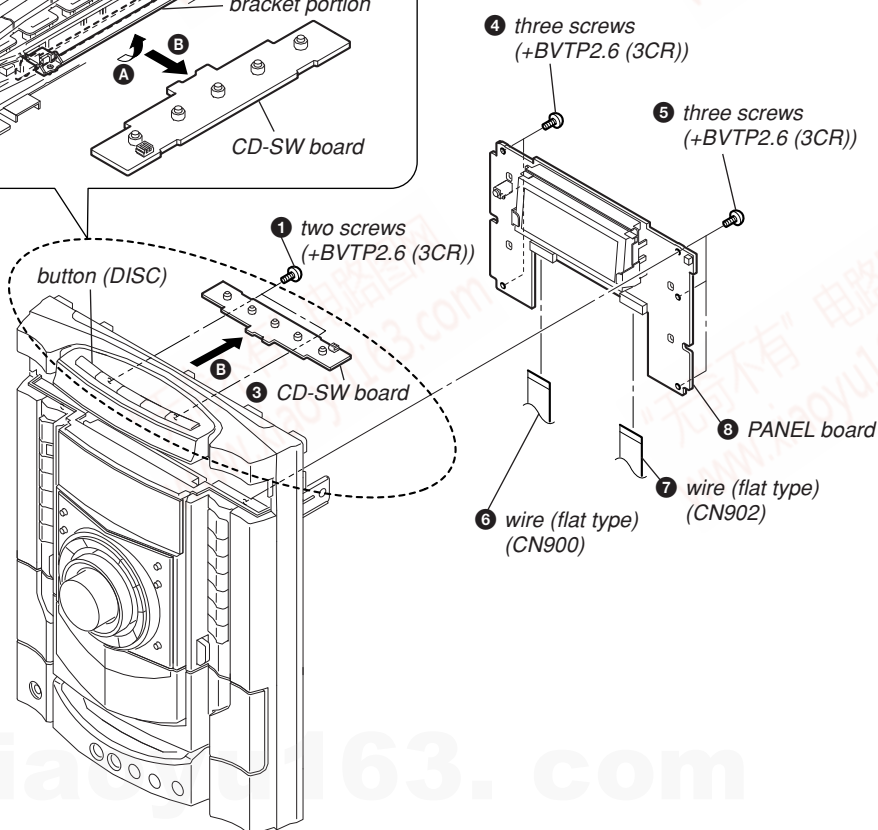
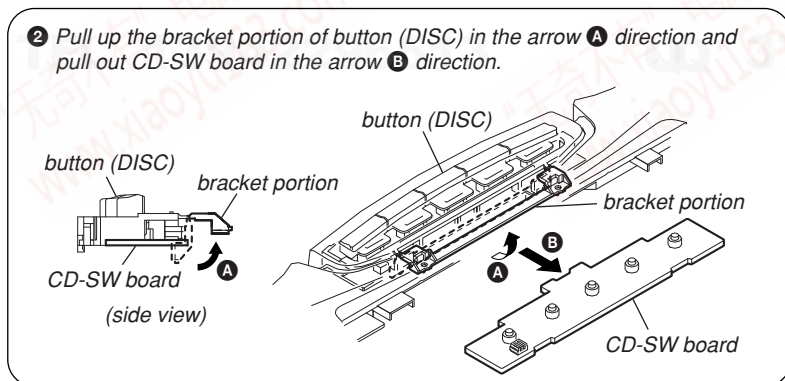
HCD-GNX700/GNX800

3-6. TAPE MECHANISM DECK, MIC BOARD

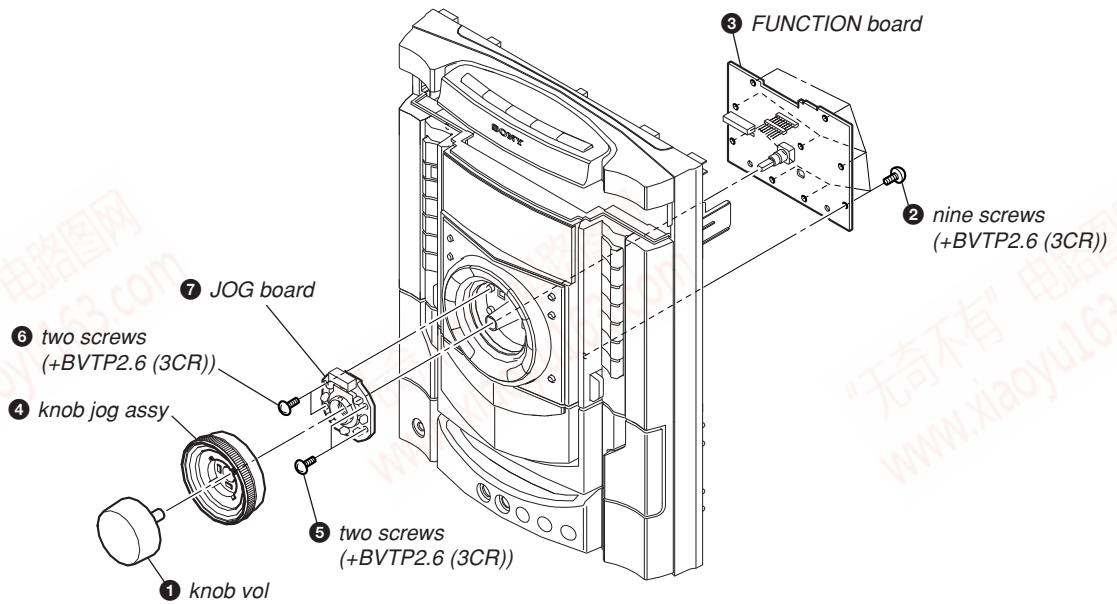


3-7. CD-SW BOARD, PANEL BOARD

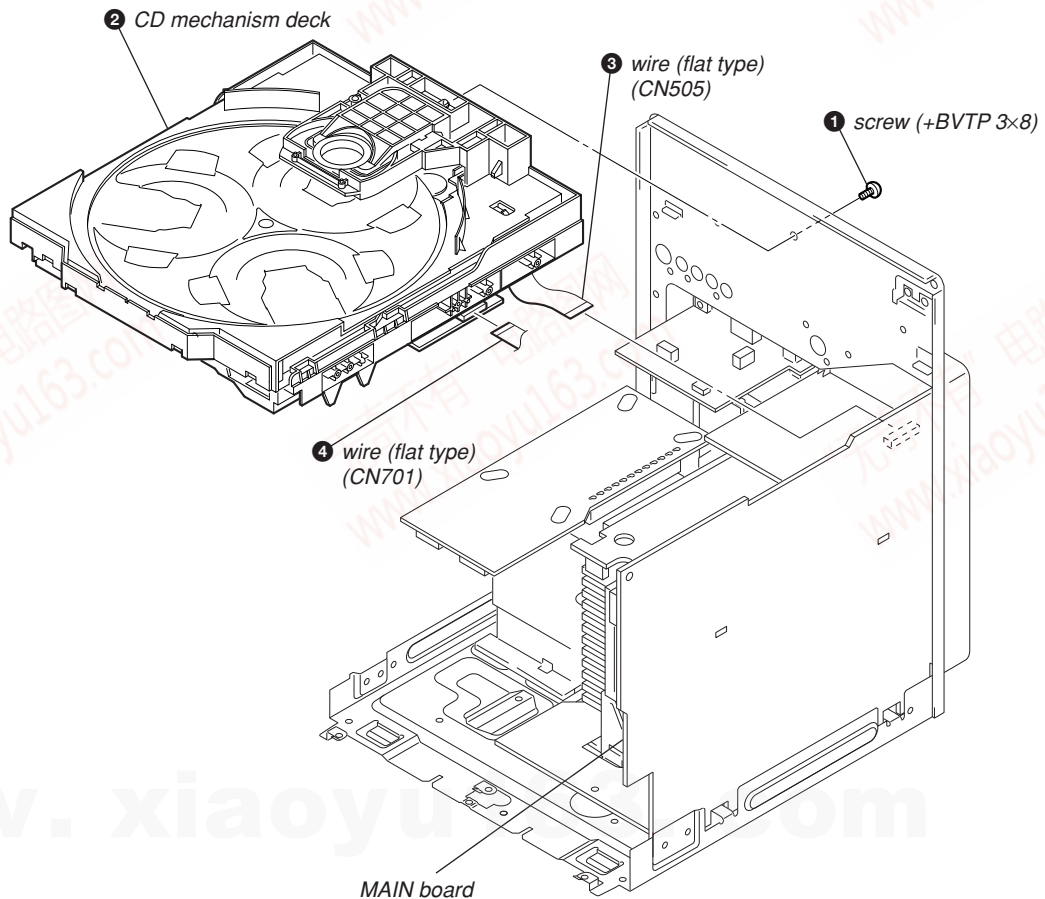
2 Pull up the bracket portion of button (DISC) in the arrow A direction and pull out CD-SW board in the arrow B direction.



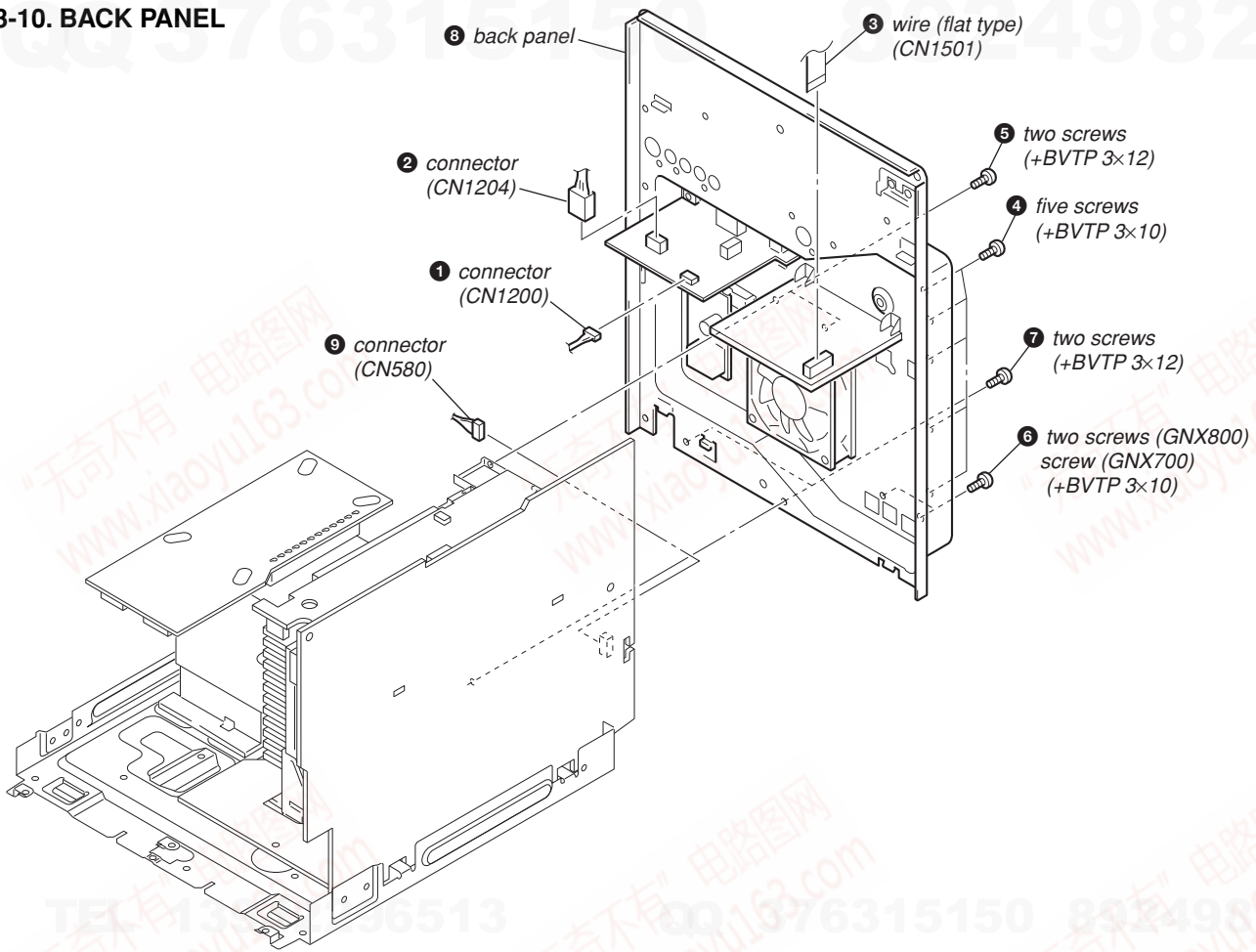
3-8. FUNCTION BOARD, JOG BOARD



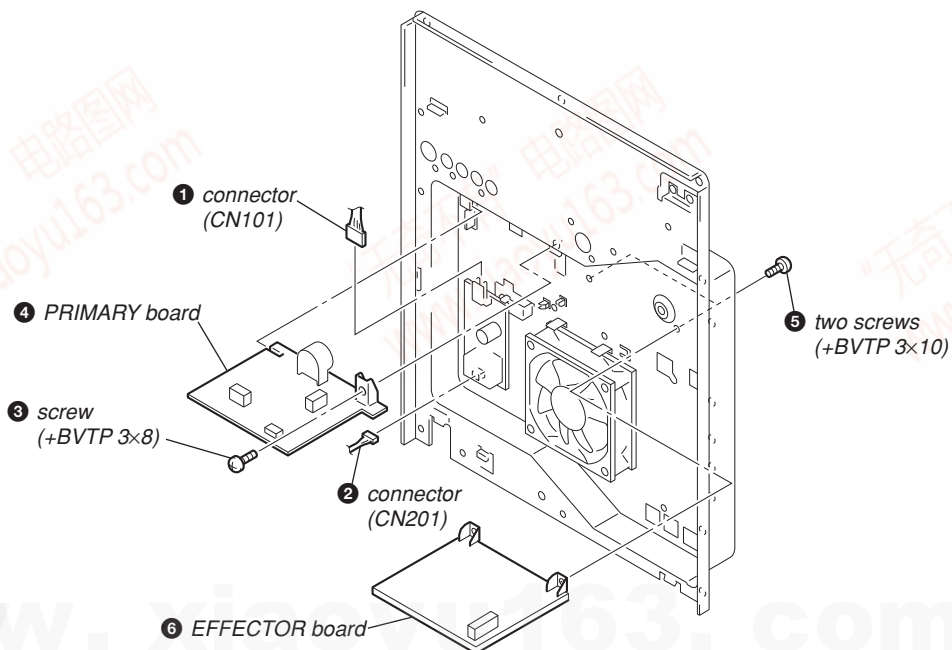
3-9. CD MECHANISM DECK



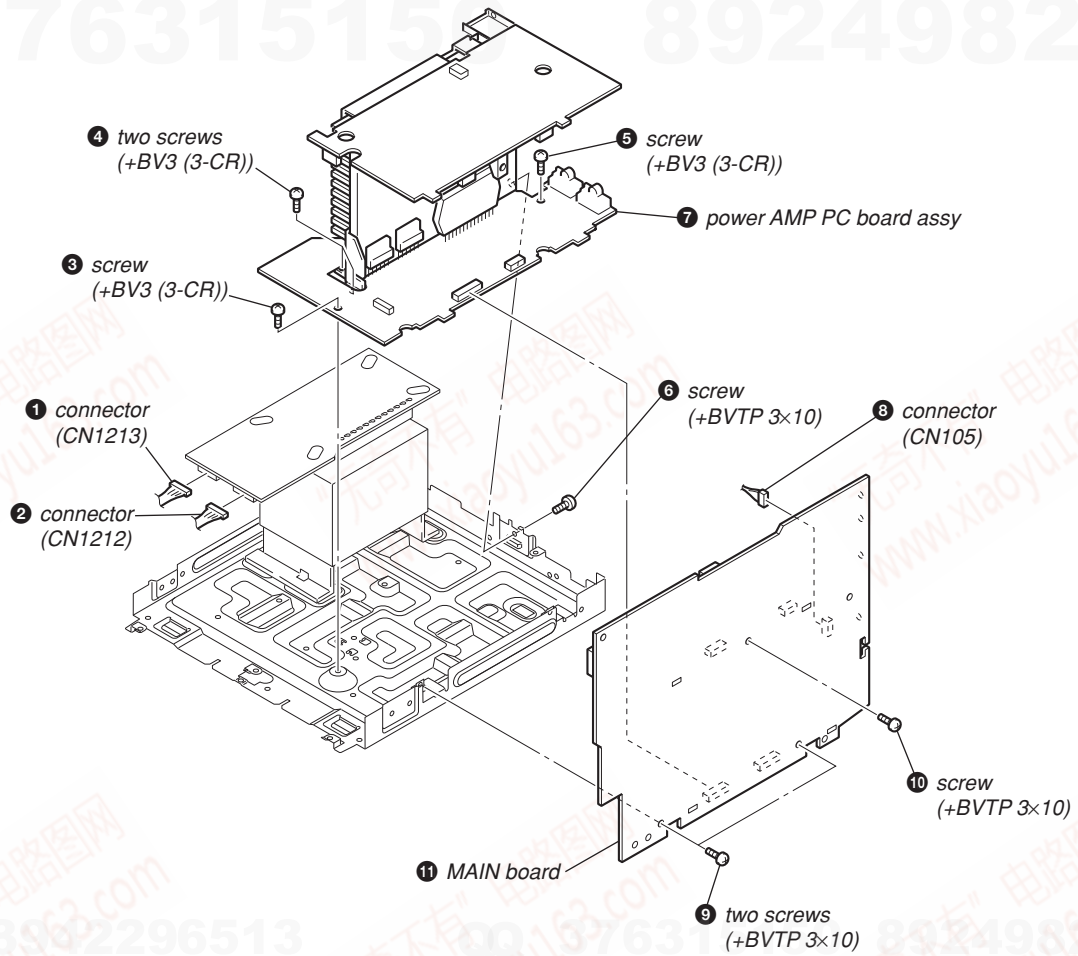
3-10. BACK PANEL



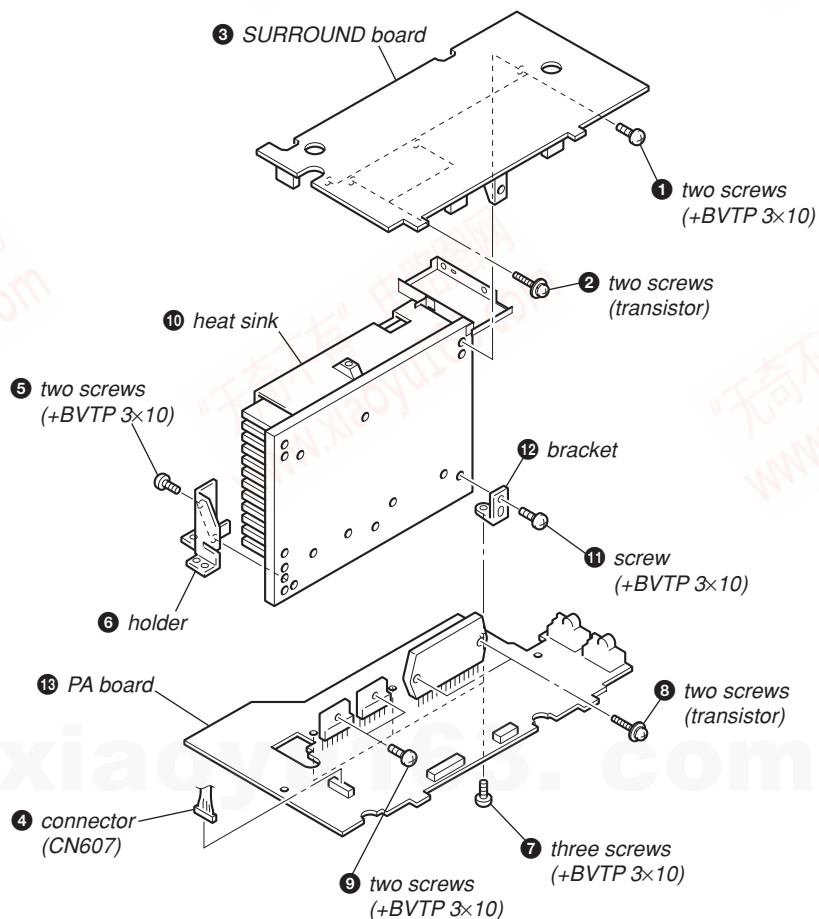
3-11. PRIMARY BOARD, EFFECTOR BOARD



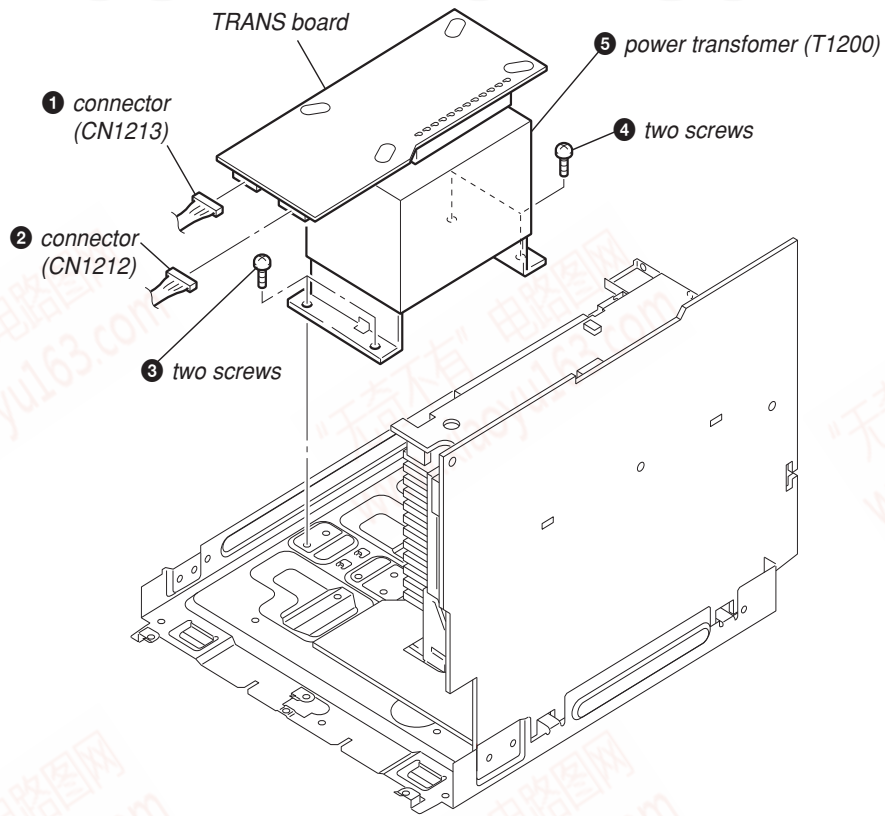
3-12. POWER AMP PC BOARD ASSY, MAIN BOARD



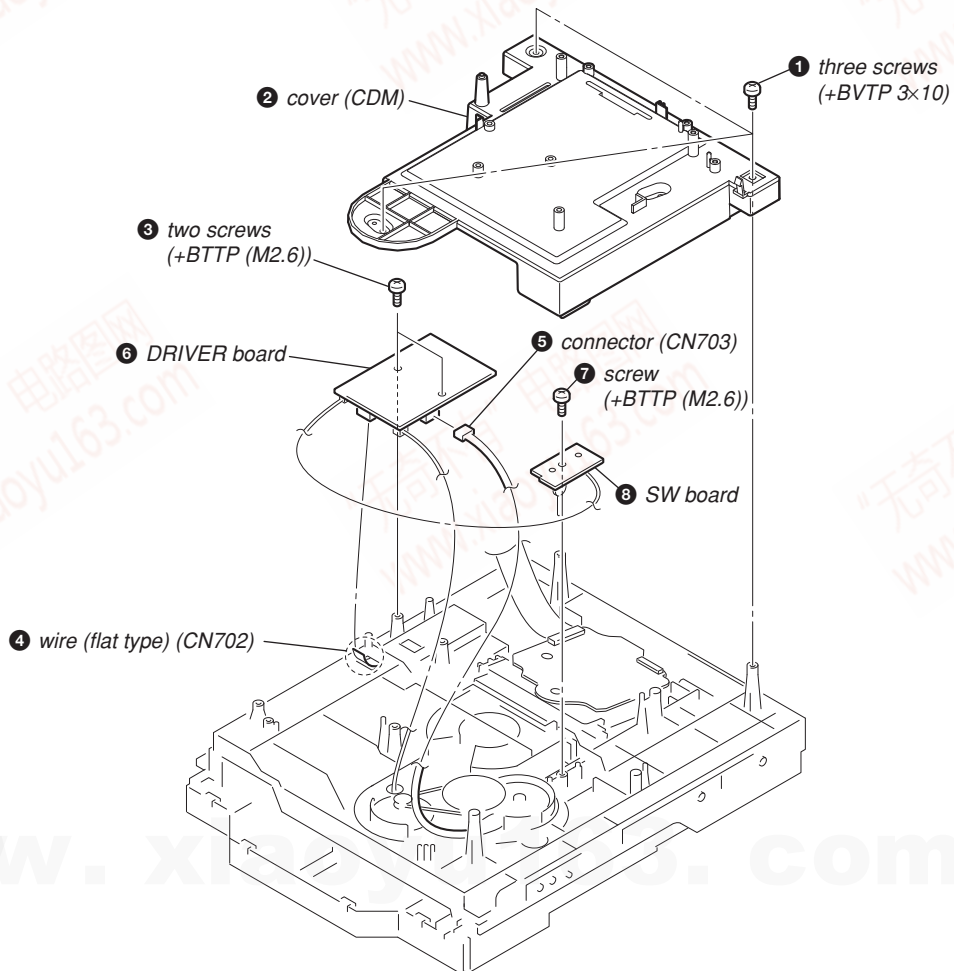
3-13. SURROUND BOARD, PA BOARD



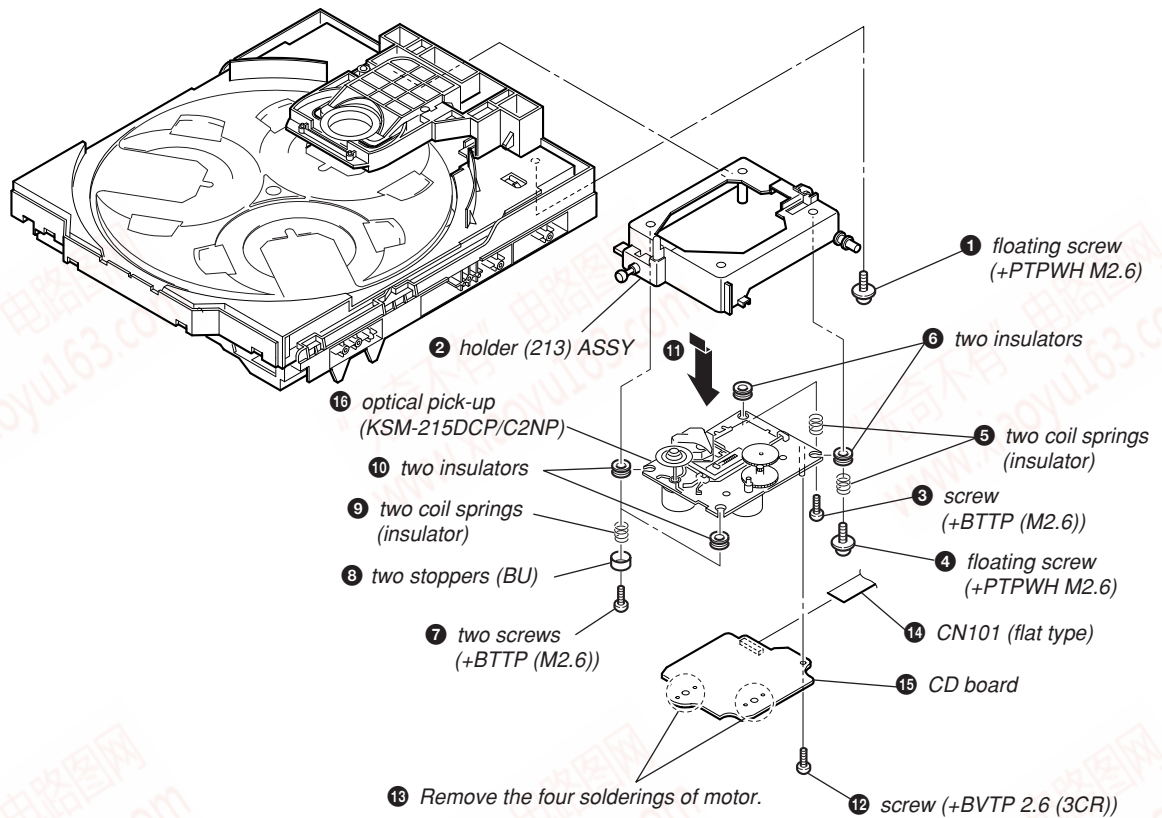
3-14. POWER TRANSFORMER (T1200)



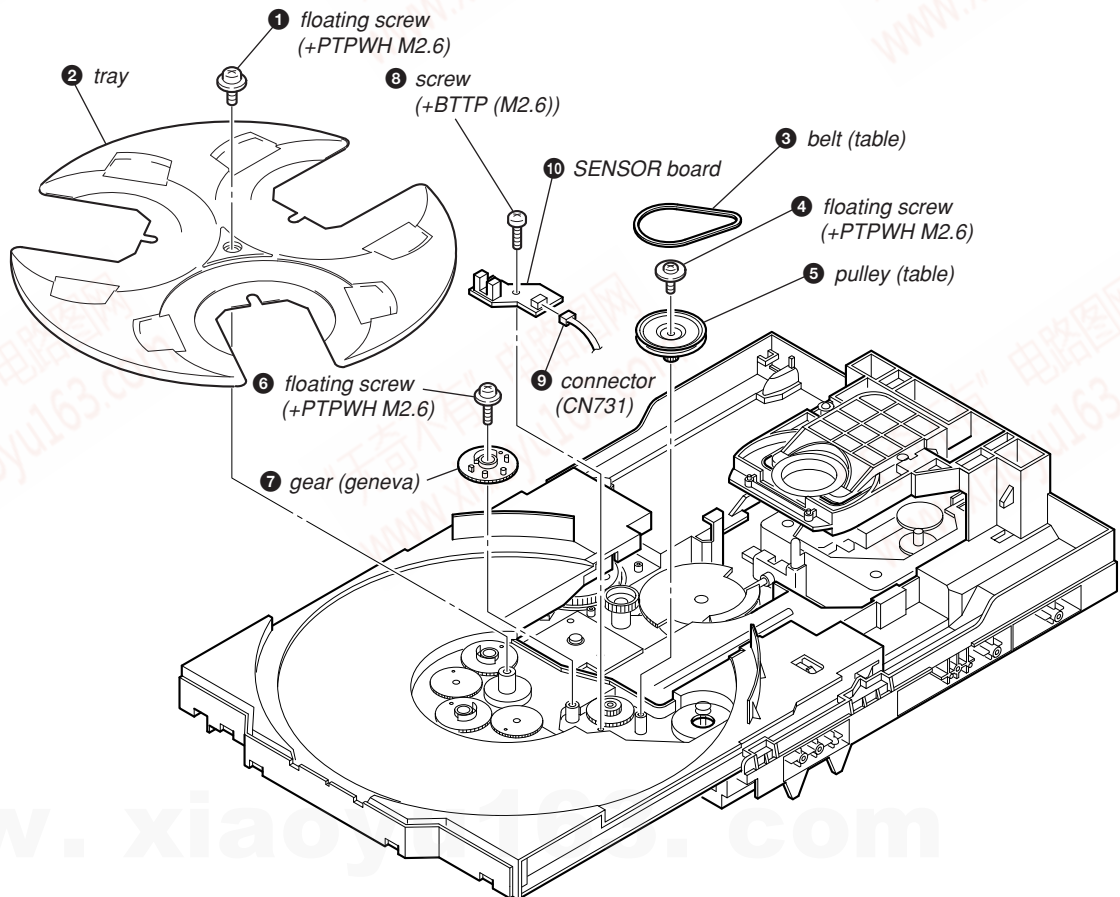
3-15. DRIVER BOARD, SW BOARD



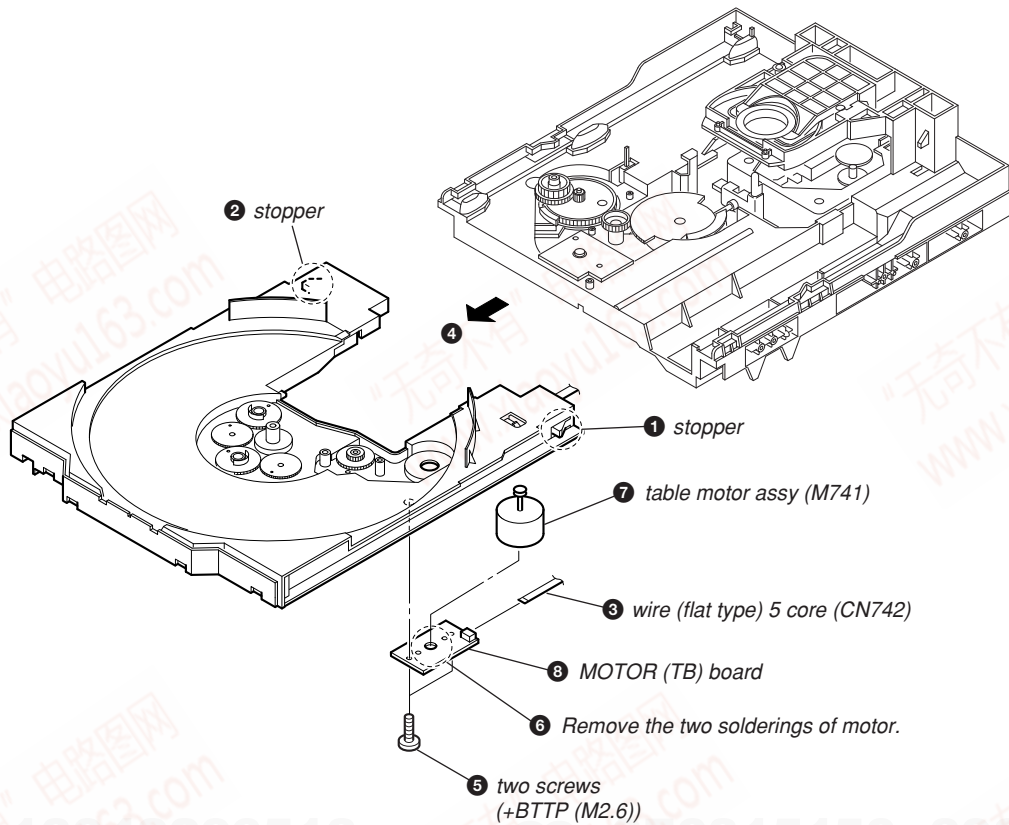
3-16. CD BOARD



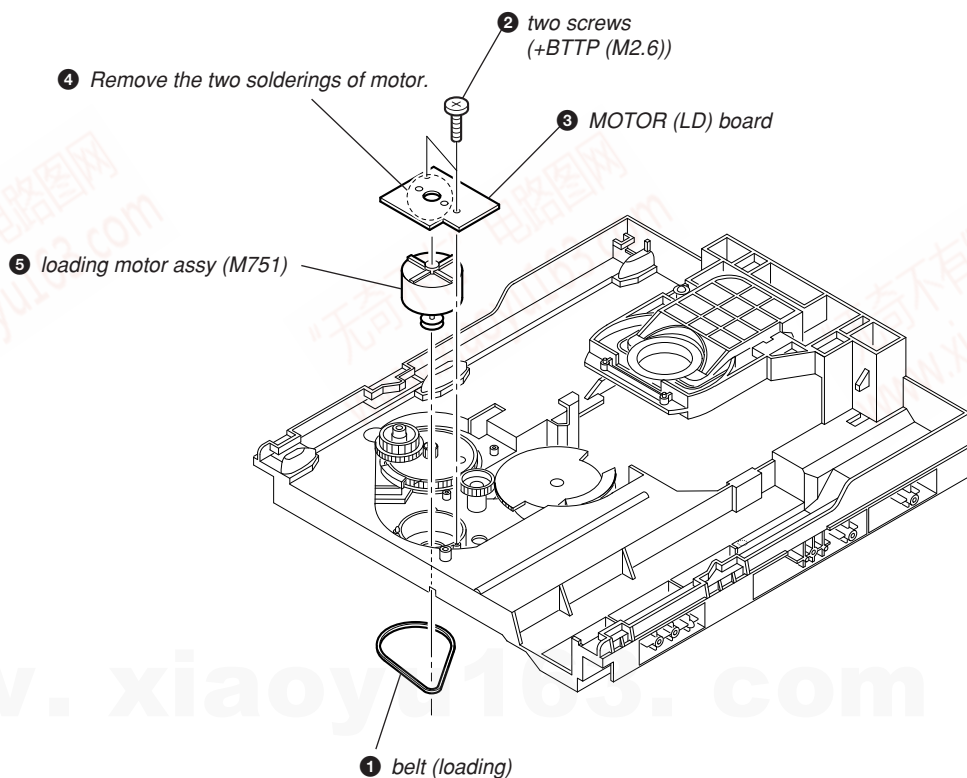
3-17. SENSOR BOARD



3-18. MOTOR (TB) BOARD



3-19. MOTOR (LD) BOARD



SECTION 4 TEST MODE

[GC TEST MODE]

- This mode is used to check the fluorescent indicator tube, LEDs, keys, VOLUME jog, OPERATION DIAL jog, AMS jog, destination, software version and VACS level.

Procedure:

- Press **[]** button, **[ENTER]** button and **[DISC 2]** button simultaneously.
- All LEDs and segments in fluorescent indicator tube are lighted up. All LEDs are lighted up in red color.
- When you want to enter the software version display mode, press **[DISC 1]** button. The model is displayed. Press **[DISC 1]** button again to show destination.
- Each time **[DISC 1]** button is pressed, the display changes from MC version, GC version, SYS version, CD version, CDDM version, CDMA version, CDMB version, BDA version, BDB version, ST version, TC version, TA version, TM version in this order, and returns to the MC version display.
- When **[DISC 3]** button is pressed while the version numbers are being displayed except model and destination, the date of the software creation appear. When **[DISC 3]** button is pressed again, the display returns to the software version display. When **[DISC 1]** button is pressed while the date of the software creation is being displayed, the date of the software creation is displayed in the same order of software version display.
- Press **[DISC 2]** button, the key check mode is activated.
- In the key check mode, the fluorescent indicator tube displays "K 0 V0J0".
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 **[VOLUME]** knob is turned clockwise, or it decreases in the manner of 0, 9, 8, 7 ... if **[VOLUME]** knob is turned counter-clockwise.
"J" value increases in the manner of 0,1, 2, 3 ... if **[OPERATION DIAL]** knob is turned clockwise, or it decreases in the manner of 0, 9, 8, 7 ... if **[OPERATION DIAL]** knob is turned counter-clockwise.
- When **[DISC 3]** button is pressed after all LEDs and segments in fluorescent indicator tube light up, the fluorescent indicator tube displays "VACS A+B FAPC". A is VACS level which is trigger by signal level, B is VACS level which is trigger by temperature and C is VACS level which is trigger by APVACS (Abuse Protection VACS).
F is shown if the fan is turned in high speed and vice-versa. The signal level, which will trigger VACS A is shown in the center area of fluorescent indicator tube.
- When **[EX-CHANGE/DISC SKIP]** button is pressed after all LEDs and segments in fluorescent indicator tube light up, alternate segments in fluorescent indicator tube would light up. If you press **[EX-CHANGE/DISC SKIP]** button again, another half of alternate segments in fluorescent indicator tube would light up. Pressing **[EX-CHANGE/DISC SKIP]** button again would cause all segments lights up.
- To release this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

[MC TEST MODE]

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

Procedure:

- To enter MC Test Mode

- Press **[]** button, **[ENTER]** button and **[DISC 3]** button simultaneously.
- The CD ring indicators TAPE A and B indicators flash on the fluorescent indicator tube. The function is changed to TV.

* Check of Amplifier

- Press **[EQ BAND]** button repeatedly until a message "GEQ MAX" appears on the fluorescent indicator tube. GEQ increases to its maximum.
- Press **[EQ BAND]** button repeatedly until a message "GEQ MIN" appears on the fluorescent indicator tube. GEQ decreases to its minimum.
- Press **[EQ BAND]** button repeatedly until a message "GEQ FLAT" appears on the fluorescent indicator tube. GEQ is set to flat.
- When the **[VOLUME]** 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 **[VOLUME]** knob is turned counter-clockwise 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. When **[CD SYNC]** button is pressed during recording in function, ALC (Automatic Logic Control) is turned on.
- During recording, press **[REVERSE]** 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 **[REC PAUSE/START]** 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 MC Test mode.

- To release this mode, press **[I/O]** 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:



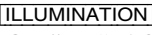
- Press **[]** button, **[ENTER]** button, and **[I/O]** button simultaneously.
- The fluorescent indicator tube becomes blank for a while, and the set is reset.

HCD-GNX700/GNX800

[VACS ON/OFF]

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


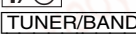



Procedure:

- Press  button to turn the set ON.
- Press  button and  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.









Procedure:

- Press  button to turn the set ON.
- Press  button to select the "AM".
- Press  button to turn the set OFF.
- Press  button and  button simultaneously. The system will turn ON automatically. The message "AM 9k STEP" or AM 10k STEP" appears on the fluorescent indicator tube and thus the channel step is changed.

[CD SERVICE MODE]

- This mode let you move the CD sled motor freely. Use this mode when you want to clean the optical pick-up.

Procedure:








- Press  button to turn the set ON.
- Select CD function.
- Press ,  button, and  button simultaneously.
- The CD service mode is activated. The message "SERVICE MODE" appears on the fluorescent indicator tube.
- With the CD in stop status, press  to move the optical pick-up to outside track, or press  to move to inside track. The message "SLED OUT" or "SLED IN" appears on the fluorescent indicator tube.
- To turn on or off the laser, press  button. The message "LD ON" or "LD OFF" appears on the fluorescent indicator tube.
- To release this mode, press  button.

[CD AGING MODE]

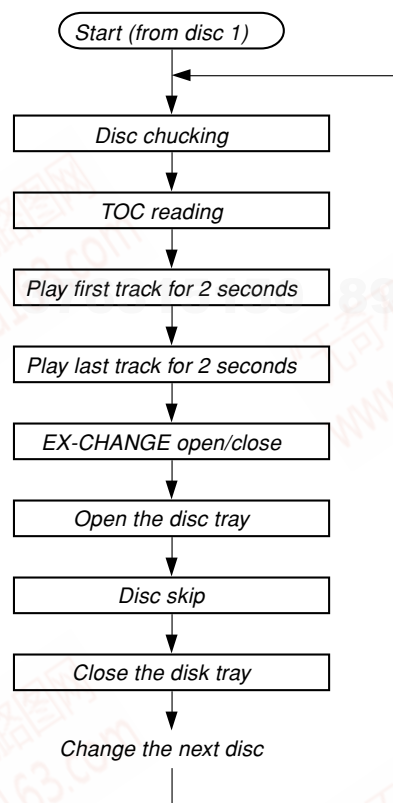
This mode can be used for operation check of CD section.

- If an error occurs, the aging operation would stops and the status is displayed.
- If there are no error occurs, the aging operation would continues repeatedly.

Procedure:

- Press  button to turn the set ON
- Select CD function.
- Load three discs on the disc tray.
- Press  button on the remote repeatedly to select the "ALL DISCS" mode, and press the  button on the remote repeatedly to select "REPEAT OFF" mode.
- Press , , and  button simultaneously.
- Aging operation is started.
- To release this mode, press  button or disconnect the power cord to turn the power OFF.

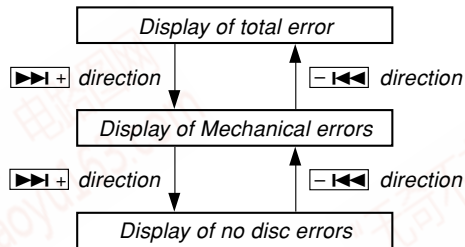
Aging mode sequence:



• **Display when an error occurred (CD Error Code Mode)**

Procedure:

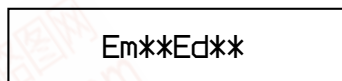
1. Press button, button and button simultaneously to enter the error code display mode.
2. The fluorescent indicator tube displays the number of total error.
3. Each time knob is rotated, display change as below.



4. To clear the error record, operate the cold reset. (Refer to the "MC COLD RESET")
5. To release this mode, press the button or disconnect the power plug to turn the power OFF.

1) Display of total error

Display

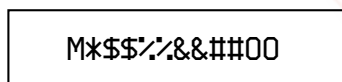


Em**: The number of mechanical errors.

Ed **: The number of no disc errors after chucking the disc.

2) Display of mechanical errors

Display



M*: The number of mechanical error ("00" is latest one)

(Rotate knob in the direction of either to display next error)

\$\$: Not used

%/: Loading related error (Second figure is not used)

D: Stop by the problem other than mechanical problem while closing.

E: Stop by the problem other than mechanical problem while opening.

C: Stop by the problem other than mechanical problem while chucking up.

F: Stop by the problem other than mechanical problem while chucking down.

&&: Emerging error

01: Stop while chucking up.

02: Stop while chucking up.

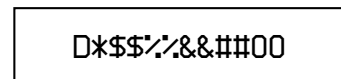
03: Time-out of EX-CHANGE open.

05: Time-out of EX-CHANGE close.

##: Not used

3) Display of no disc errors

Display



D*: The number of mechanical error ("00" is latest one)

(Rotate knob in the direction of either to display next error)

\$\$: Error type

01: Focus error

02: GFS error

03: Setup error

%/: Not used

&&:

00: No disc judgment without chucking retry.

01: No disc judgment after chucking retry.

##: The state when judged as no disc

01: Stop

02: Setup

03: TOC reading

04: Access

05: Playback

06: Pause

07: Manual search (Play)

08: Manual search (Pause)

[CD REPEAT 5 LIMIT OFF MODE]

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

Procedure:

1. Press button to turn the set ON.
2. Select CD function.
3. Press button, button and button simultaneously to enter the CD repeat 5 limit off mode and the fluorescent indicator tube displays "LIMIT OFF".
4. To release this mode, operate the cold reset. (Refer to the "MC COLD RESET")

[CD 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. Use this mode when returning the set to the customer after repair.

Procedure:




1. Press button to turn the set ON.
2. Select CD function.
3. Press button, button and button simultaneously. The set will power off automatically.
4. After the "STANDBY" blinking display finish, a message "MECHA LOCK" is displayed on the fluorescent indicator tube and the CD ship mode is set.

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[CD 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  button to turn the set ON.
2. Select CD function.
3. Press  button and  button simultaneously. The set will power off automatically.
4. After the "STANDBY" blinking display finish, a message "MECHA LOCK" is displayed on the fluorescent indicator tube and the CD ship mode is set.


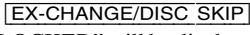
[CD POWER MANAGE]

- This mode let you switch on or off power supply to the BU during TUNER function.
- When CD POWER is set to OFF, the power supply to the BU is cut off during TUNER function. It will increase the time taken to access CD when function change from TUNER to CD but it will improve tuner reception.
- When CD POWER is set to ON, the power supply to the BU is not cut off during TUNER function. It will reduce the time taken to access CD when function change from TUNER to CD but it will decrease tuner reception performance.




Procedure:

1. Press  button to turn the set ON.
2. Select CD function.
3. Press  button to turn the set OFF.
4. Press  button and  button simultaneously. The set will power on automatically.
5. The message "CD POWER ON" or "CD POWER OFF" will be displayed on the fluorescent indicator tube.

[CD TRAY LOCK MODE]

- This mode let you lock the disc trays. When this mode is activated, the disc tray will not open when  button or  button is pressed. The message "LOCKED" will be displayed in the will be displayed on the fluorescent indicator tube.




Procedure:

1. Press  button to turn the set ON.
2. Select CD function.
3. Press  button and  button simultaneously and hold down until "LOCKED" or "UNLOCKED" displayed on the fluorescent indicator tube (around 5 seconds).

[VIDEO/MD SWITCHING]

- This mode let you switch from VIDEO to MD and vice-versa.

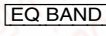


Procedure:

1. Press  button to turn the set ON.
2. Select VIDEO function.
3. Press  button and  button simultaneously. The function will change to MD. Press the same buttons again to change from MD to VIDEO.

[TCM OFFLINE MODE]

- This mode prevents set from power 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  button,  button and  button simultaneously. The set will power on automatically.
2. The message "TCM OFFLINE" will be displayed on the fluorescent indicator tube.

SECTION 5 MECHANICAL ADJUSTMENTS

Precaution

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

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	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 1.6 to 6 g • cm (0.022 – 0.08 oz • inch)
FF/REW	CQ-201B	4.8 mN • m to 16.7 mN • m 49 to 170 g • cm (0.69 – 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

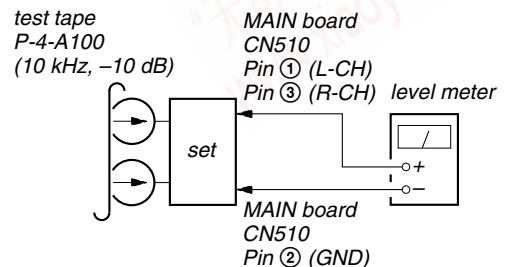
DECK A

DECK B

Note: Perform this adjustments for both decks

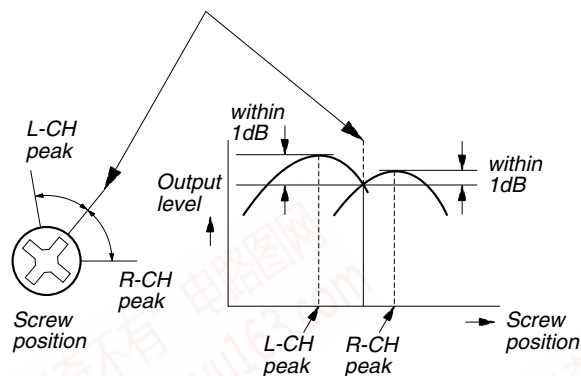
Procedure:

1. Mode: Playback

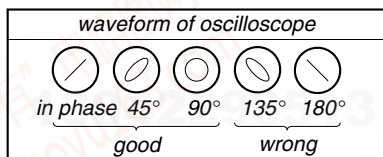
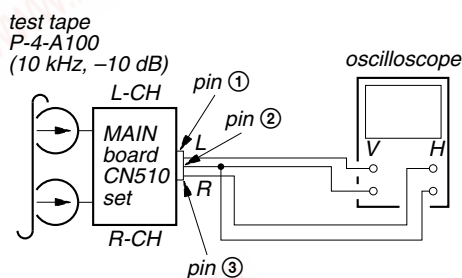


HCD-GNX700/GNX800

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

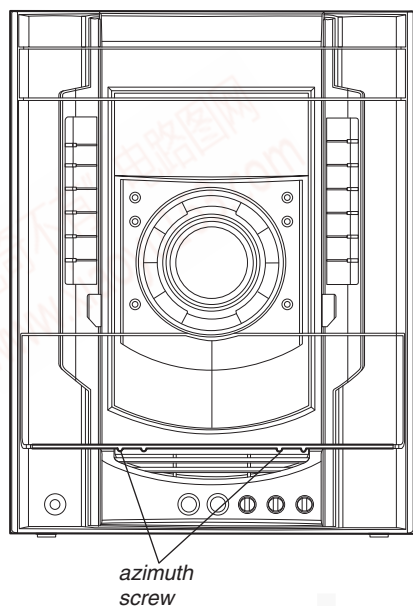


- Mode: Playback



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

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



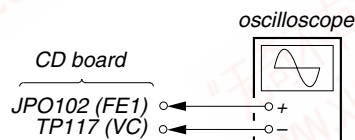
CD SECTION

Note:

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

S-curve Check

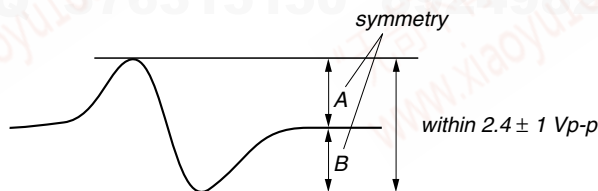
Connection:



Procedure:

- Connect an oscilloscope to test point JPO102 (FE1) and TP 117(VC) on the CD board.
- Turn the power on.
- Put the disc (YEDS-18) in and turned power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out)
- Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 2.4 ± 1 Vp-p.

S-curve waveform



Note:

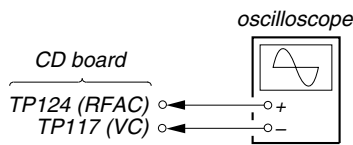
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
- Take sweep time as long as possible and light up the brightness to obtain best waveform.

Checking Location: CD board (SIDE B)

(See page 24.)

RFAC Level Check

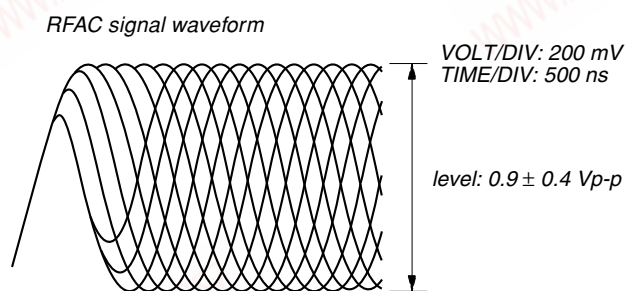
Connection:



Procedure:

1. Connect an oscilloscope to test point TP124 (RFAC) and TP117(VC) on the CD board.
2. Turn the power on.
3. Put the disc (YEDS-18) in to playback the number five track.
4. Confirm that oscilloscope waveform is clear and check RFAC signal level is correct or not.

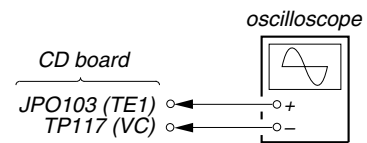
Note: A clear RFAC signal waveform means that the shape “ \diamond ” can be clearly distinguished at the center of the waveform.



Checking Location: CD board (SIDE B)
(See page 24.)

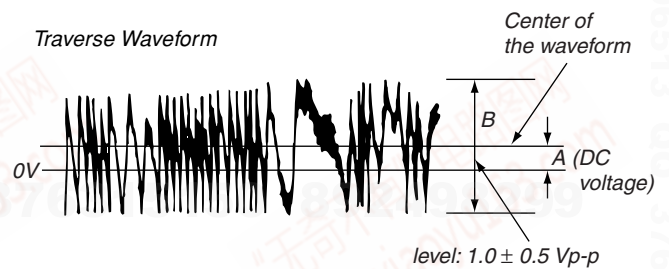
E-F Balance Check

Connection:



Procedure:

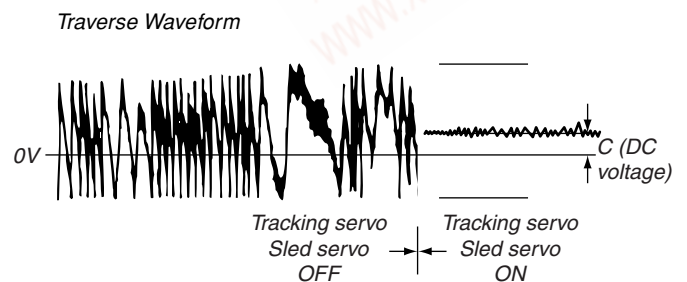
1. Connect an oscilloscope to test point TPO103 (TE1) and TP117 (VC) on the CD board.
2. Turn the power on.
3. Select the function “CD”.
4. Press three buttons of [ENTER], [▶▶], and [SURROUND MODE] simultaneously to set the CD service mode.
5. Put the disc (YEDS-18) in to playback the number five track.
6. Press the [◀◀] button. The message “TRAVERSE” is displayed. (The tracking servo and the sledding servo are turned OFF)
7. Check the level B of the oscilloscope's waveform and the A (DC voltage) of the center of the Traverse waveform. Confirm the following :
 $A/B \times 100 = \text{less than } \pm 22\%$



8. Press the [◀◀] button. The message “TRAVERSE” is displayed. (The tracking servo and sledding servo are turned ON)
Confirm the C (DC voltage) is almost equal to the A (DC voltage) is step 5.
9. To exit from this mode, perform as follows.
 - 1) Move the optical pick-up to the most inside track.
 - 2) Press three buttons of [■], [CLEAR], and [DISPLAY] simultaneously. (cold reset)

Notes:

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

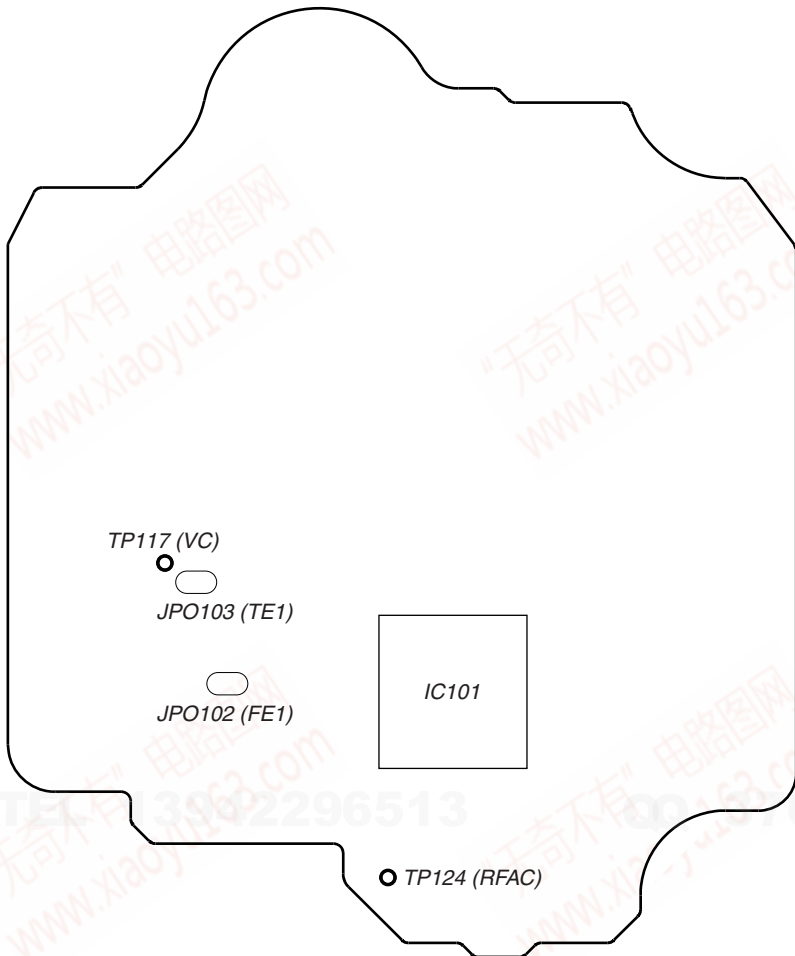


Checking Location: CD board (SIDE B) (See page 24.)

HCD-GNX700/GNX800

Checking Location:



– CD BOARD (SIDE B) –













SECTION 7 DIAGRAMS

For schematic diagrams.

Note:



- All capacitors are in μF unless otherwise noted. (p: pF) 50 V or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4} W$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.

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

-  : panel designation.
-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- CD board
no mark: CD PLAY
Other boards
no mark: TUNER (FM/AM)
- () : CD PLAY
- < > : TAPE PLAY
- [] : TAPE REC
- * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
 -  : TUNER (FM/AM)
 -  : TAPE PLAY (DECK A)
 -  : TAPE PLAY (DECK B)
 -  : RECORD
 -  : CD PLAY
 -  : MIC INPUT
- Abbreviation
 - AR : Argentina model
 - AUS : Australian model
 - E2 : 120V AC Area in E model
 - E3 : 240V AC Area in E model
 - E51 : Chilean and Peruvian model

Note on Printed Wiring Boards:

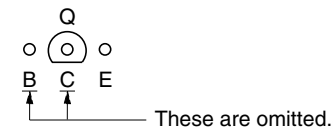
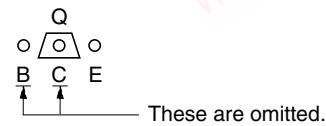
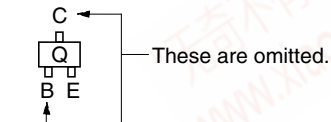
Note:

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

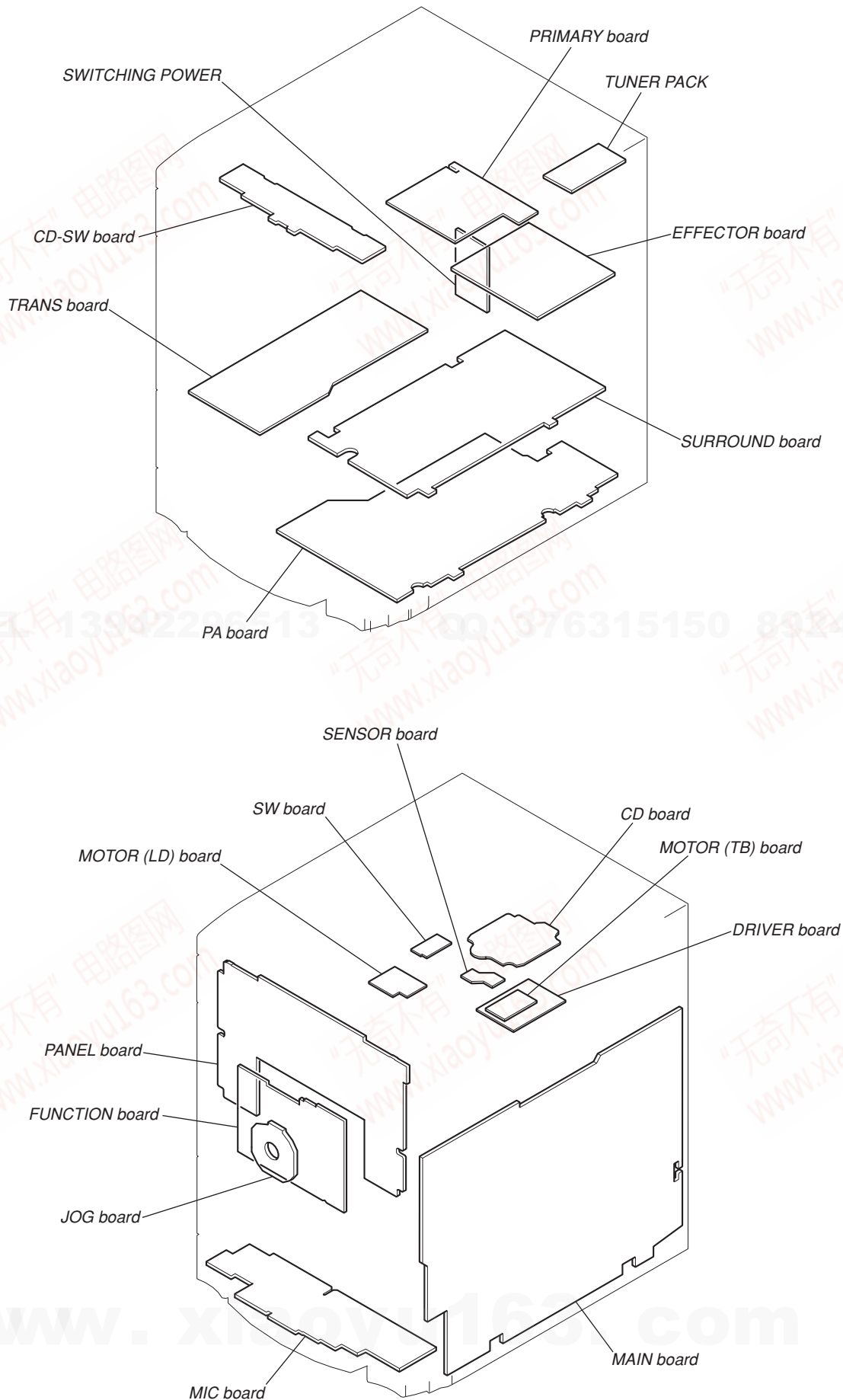
Caution:

Parts face side: Parts on the parts face side seen from the parts face are indicated.
 Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.

- Indication of transistor.

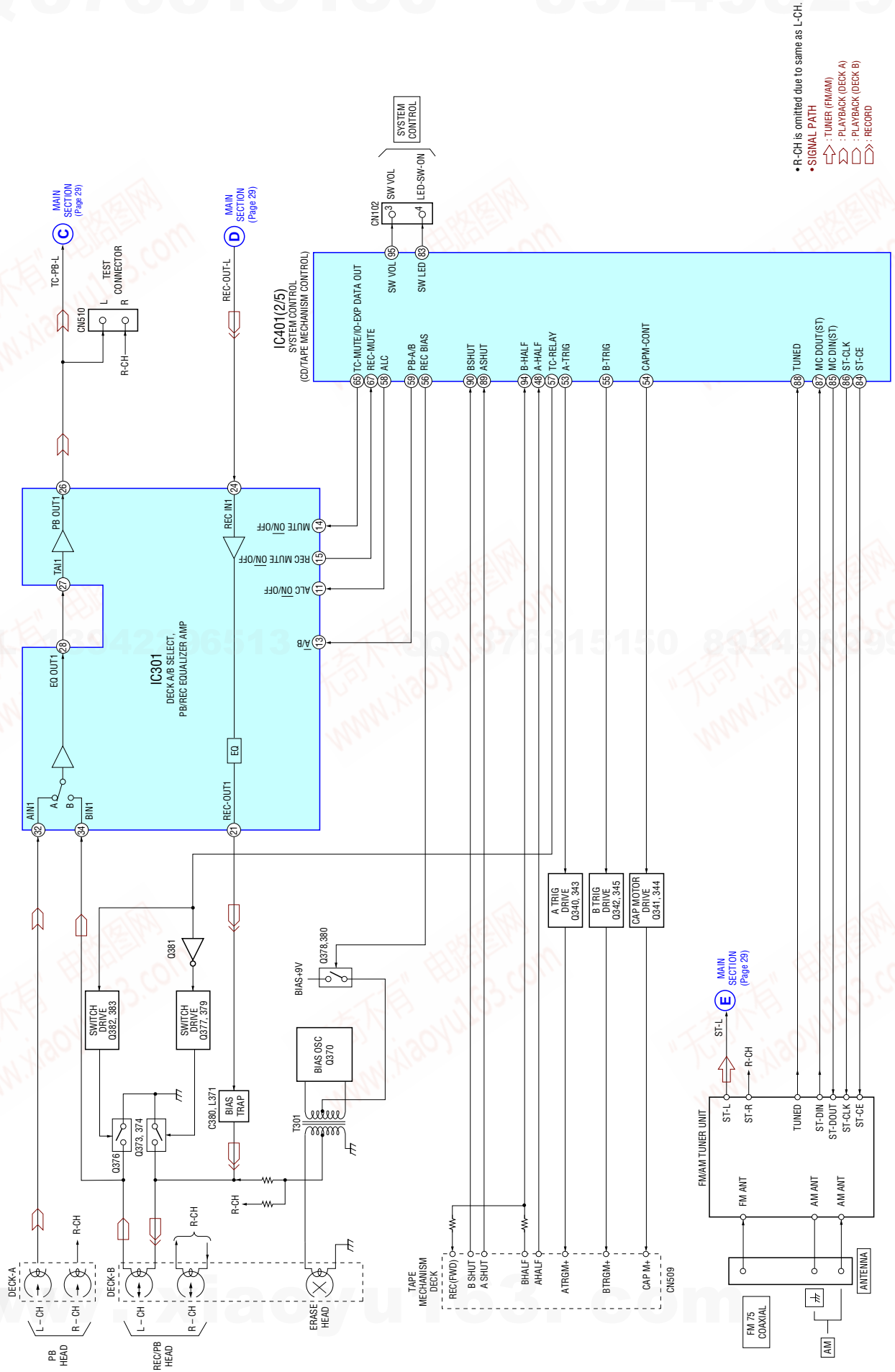


• CIRCUIT BOARDS LOCATION



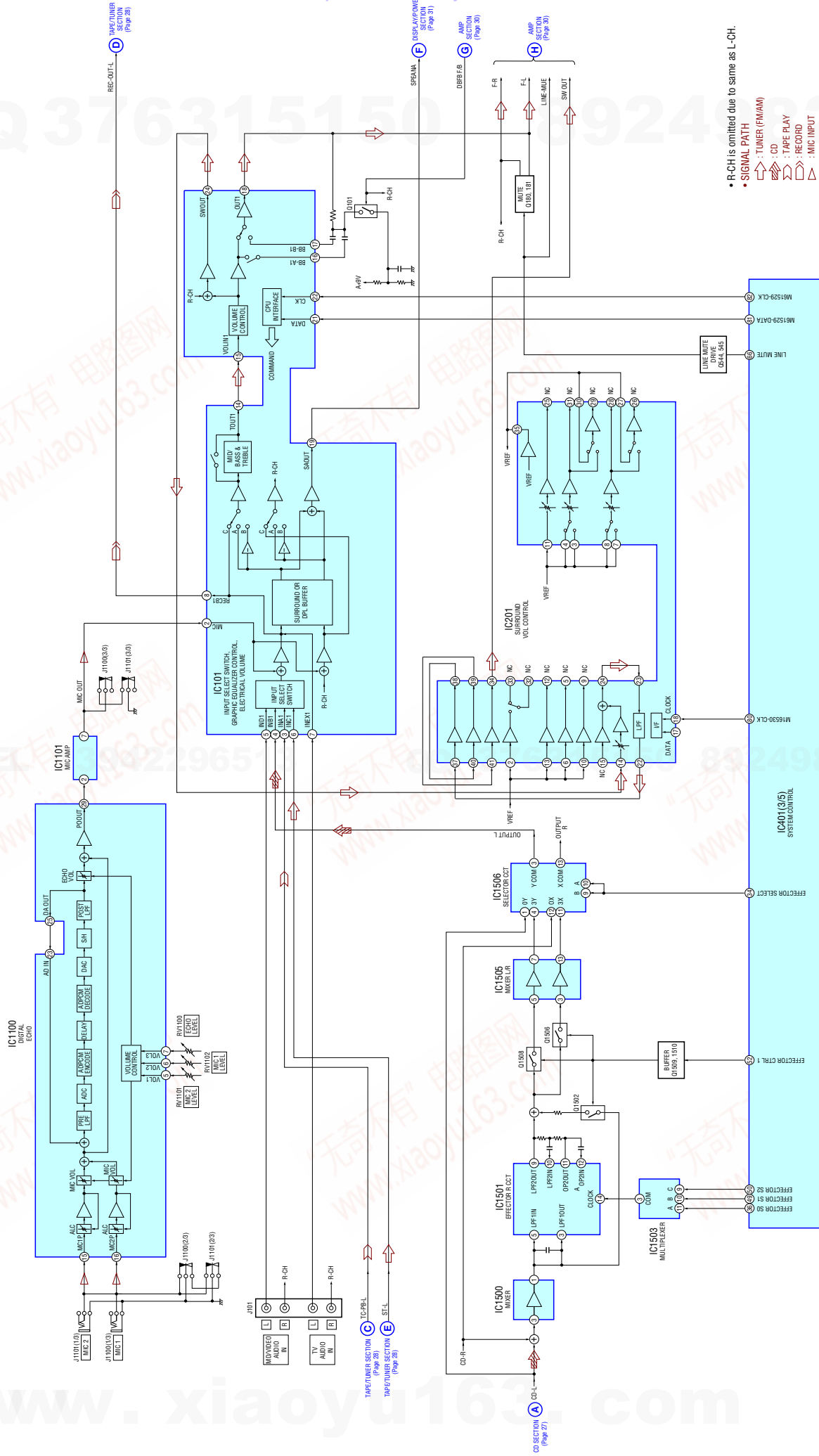
QQ 376315150 892498299

7-2. BLOCK DIAGRAM - TAPE/TUNER SECTION -



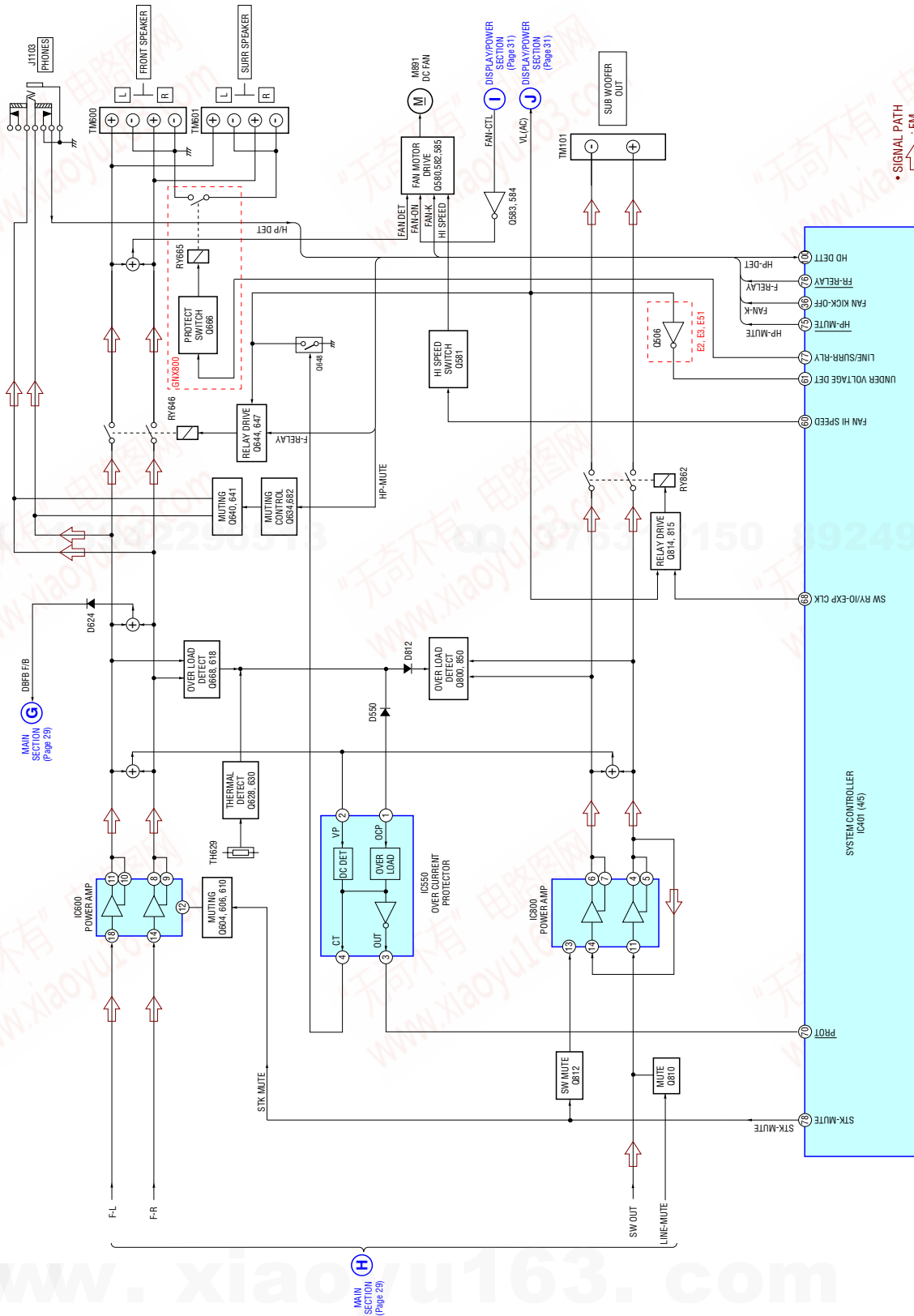
- R-CH is omitted due to same as L-CH.
- SIGNAL PATH
- ↑ : TUNER (FM/AM)
- ⇄ : PLAYBACK (DECK A)
- ⇄ : PLAYBACK (DECK B)
- ⇄ : RECORD

7-3. BLOCK DIAGRAM - MAIN SECTION -



QQ 376315150 892498299

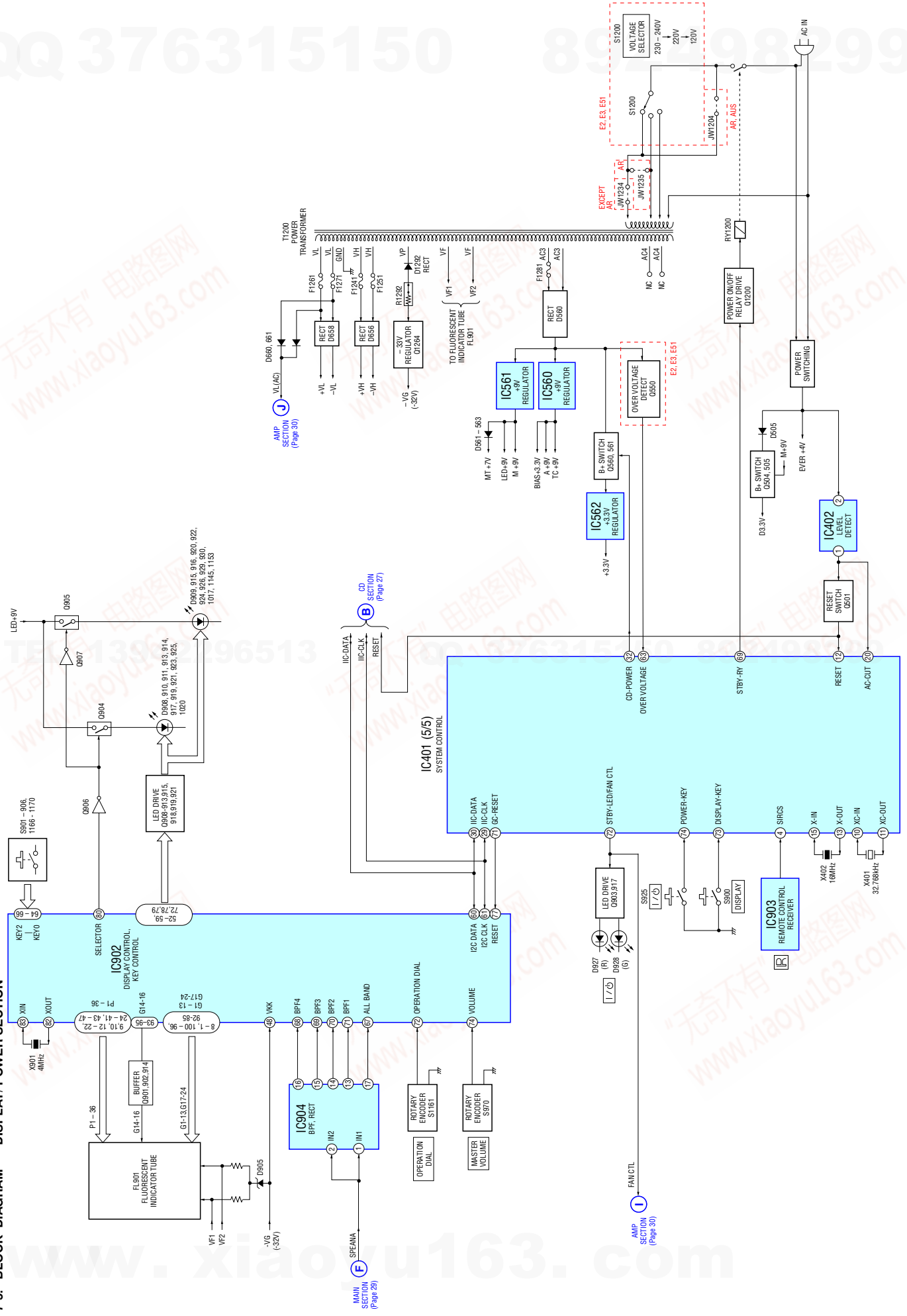
7-4. BLOCK DIAGRAM -- AMP SECTION --



SIGNAL PATH : FM

TEL 13942296513 QQ 376315150 892498299

7-5. BLOCK DIAGRAM - DISPLAY / POWER SECTION -



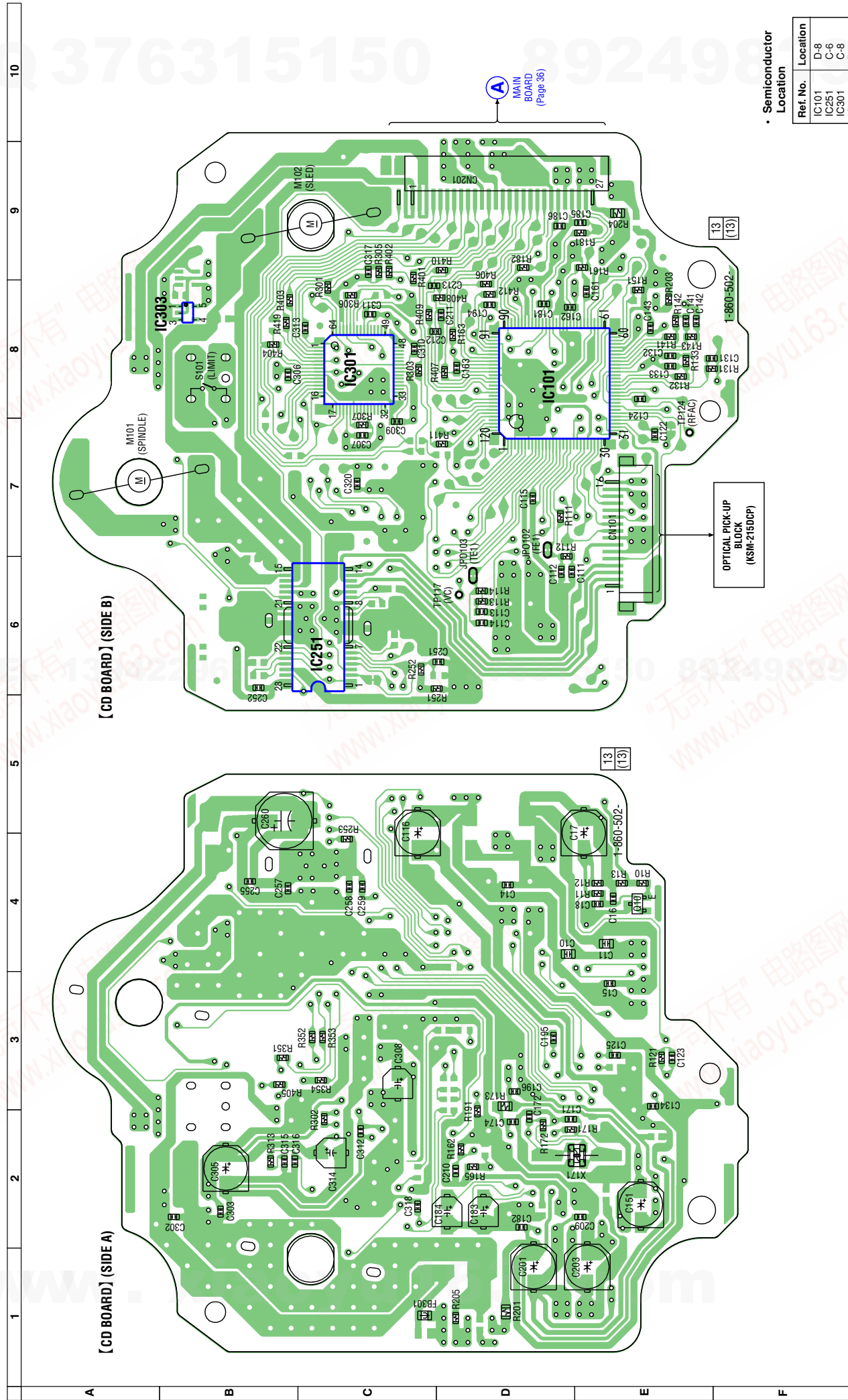
HCD-GNX700/GNX800

7-6. PRINTED WIRING BOARD - CD BOARD -

• See page 26 for Circuit Boards Location.



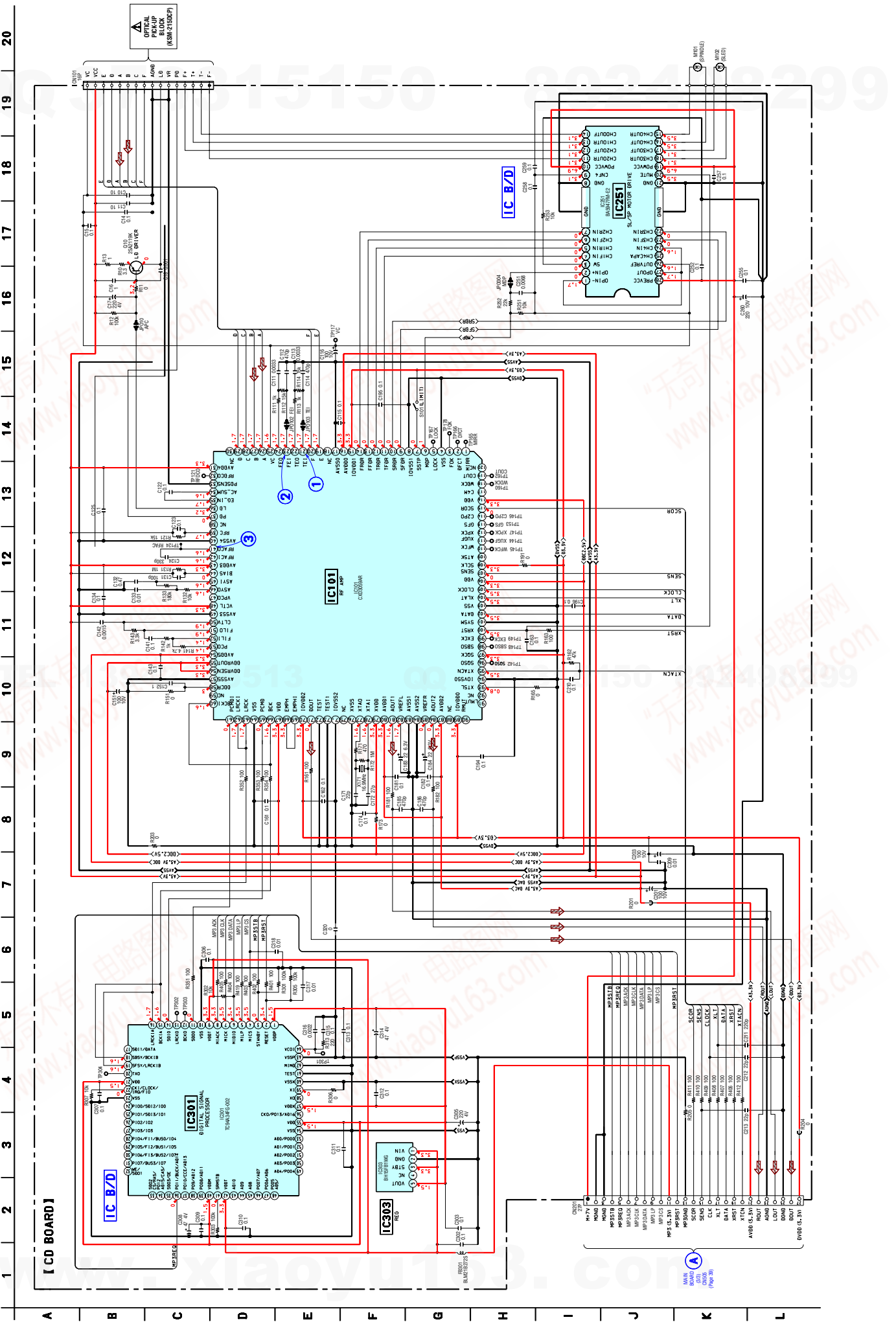
: Uses unleaded solder.




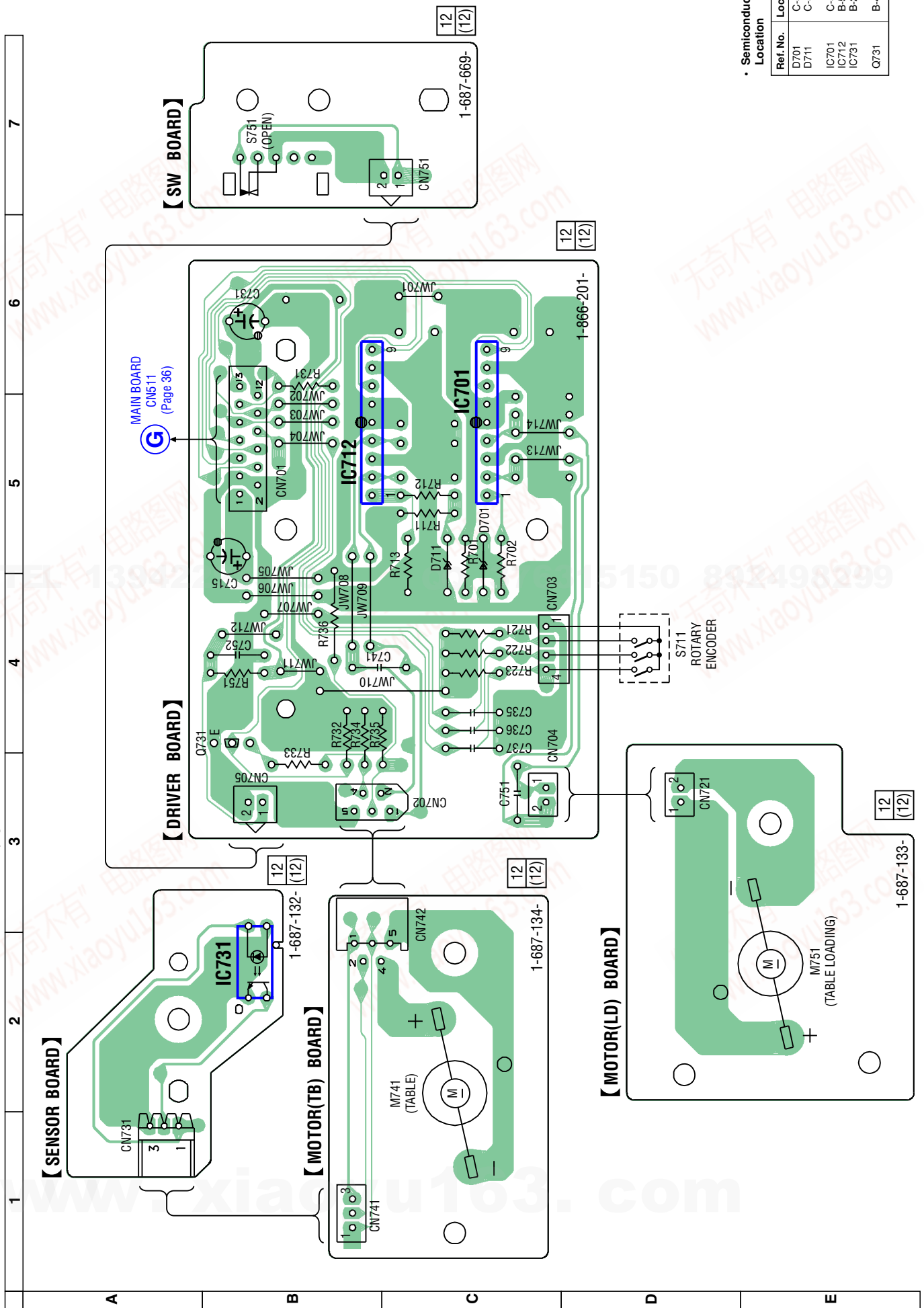
• Semiconductor Location

Ref. No.	Location
IC101	D-8
IC251	C-6
IC301	C-8
IC303	B-8
Q10	E-4

7-7. SCHEMATIC DIAGRAM - CD BOARD - See page 52 and 53 for IC Block Diagrams. See page 56 for Waveforms.



7-8. PRINTED WIRING BOARDS - CD MECHANISM SECTION - See page 26 for Circuit Boards Location.  : U uses unleaded solder.

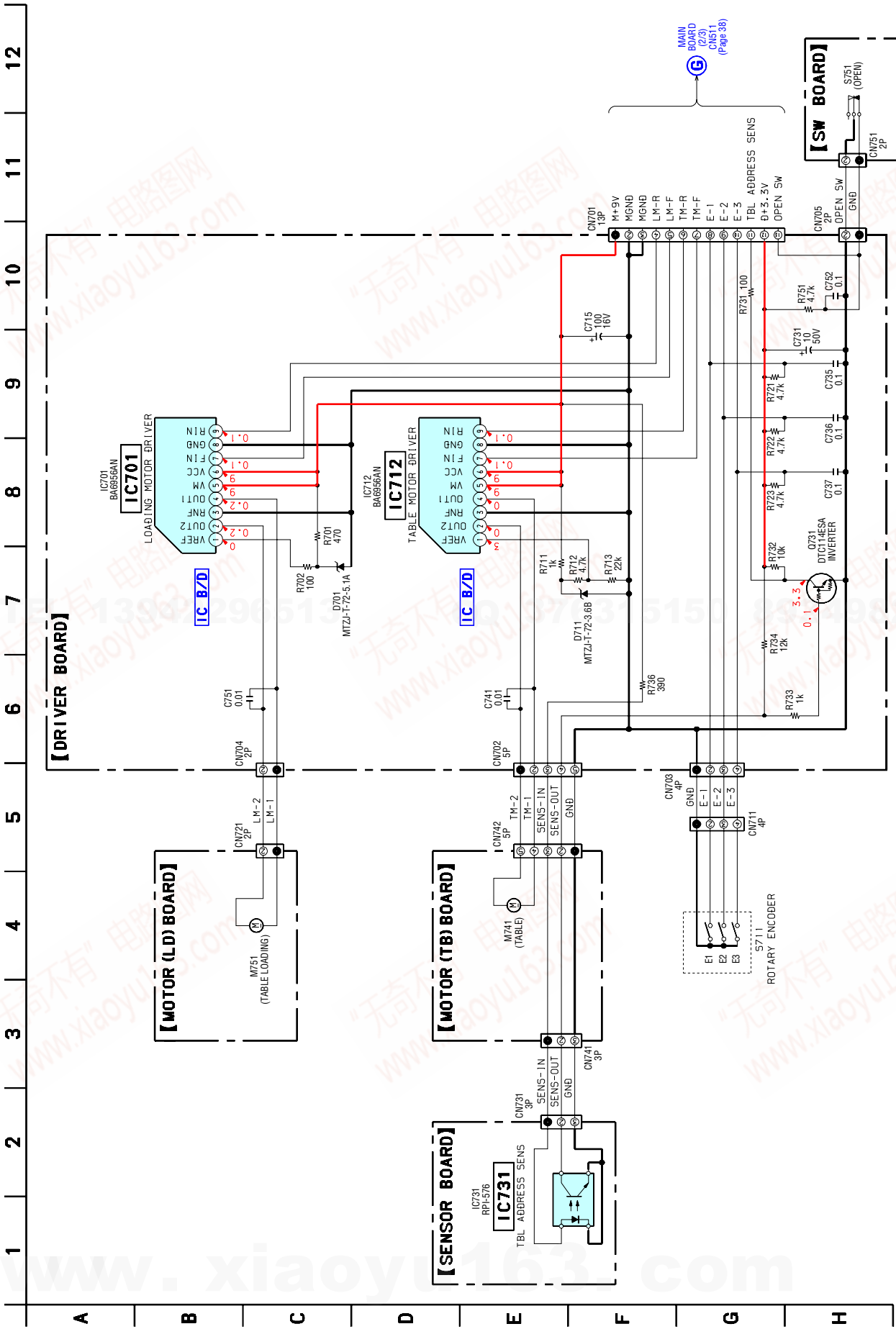


• Semiconductor Location

Ref. No.	Location
D701	C-5
D711	C-5
IC701	C-5
IC712	B-5
IC731	B-2
Q731	B-4

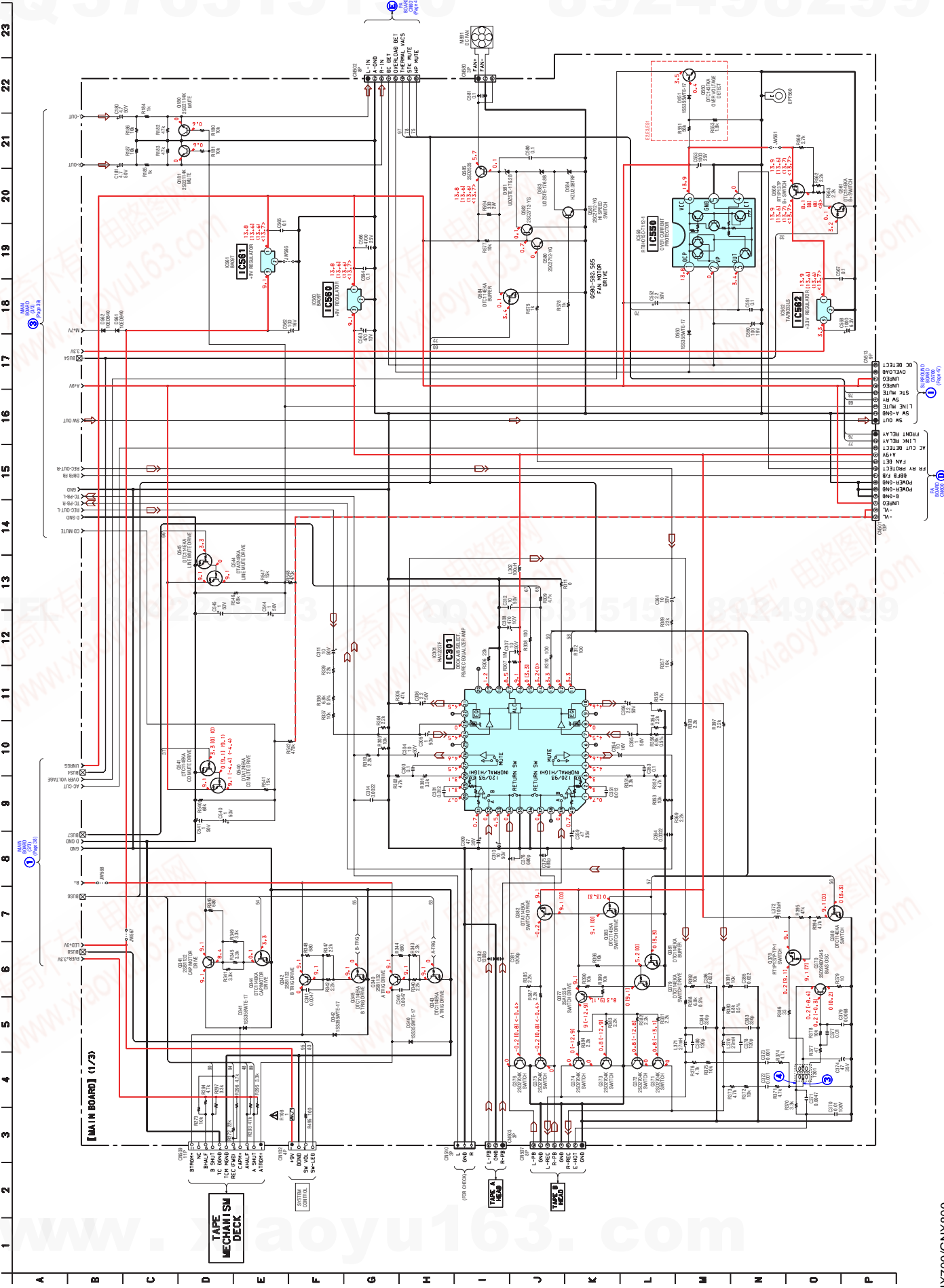
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7-9. SCHEMATIC DIAGRAM - CD MECHANISM SECTION - See page 52 for IC Block Diagrams.



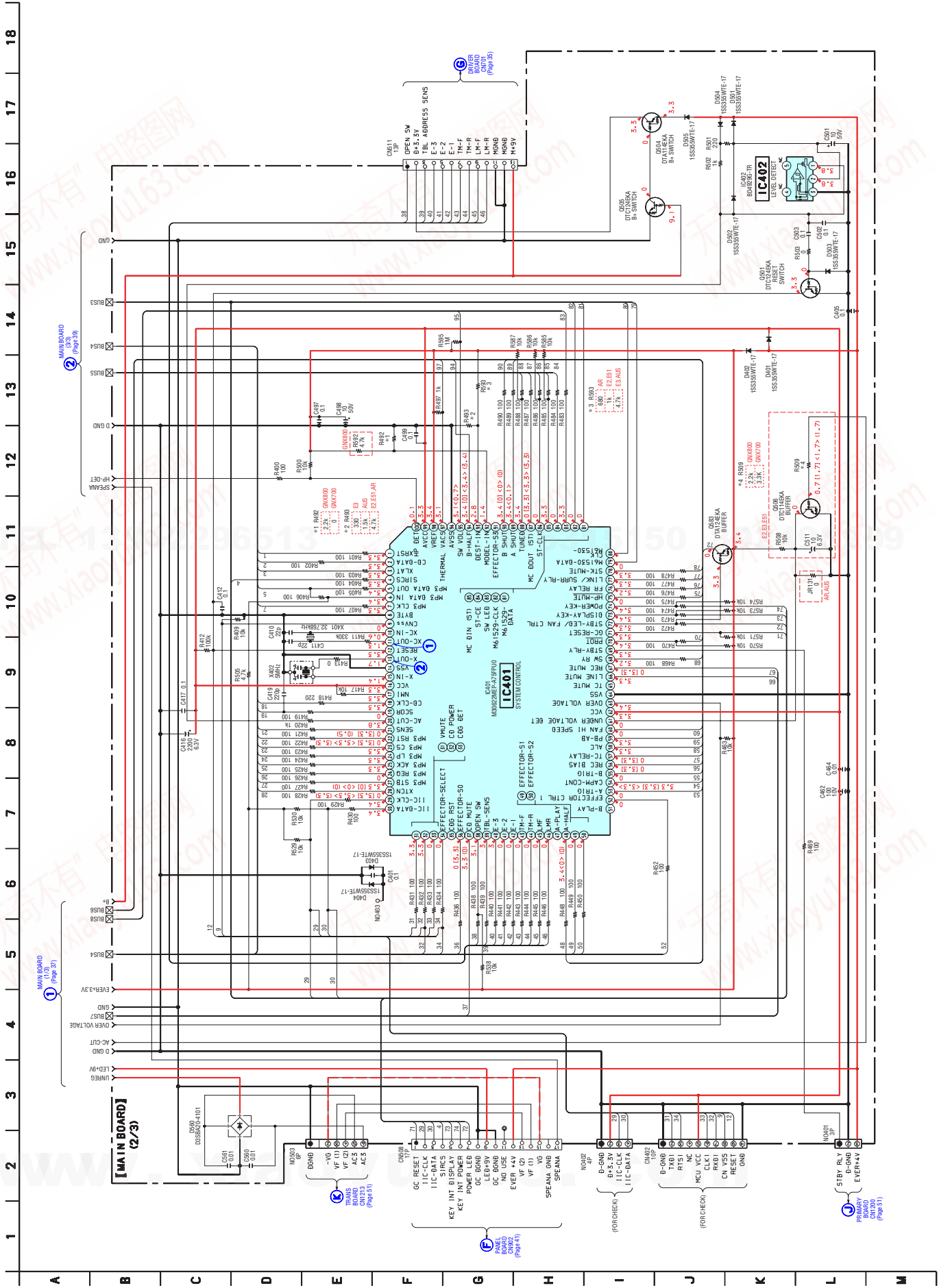
• See page 52 for Waveforms.

7-11. SCHEMATIC DIAGRAM – MAIN BOARD (1/3) –



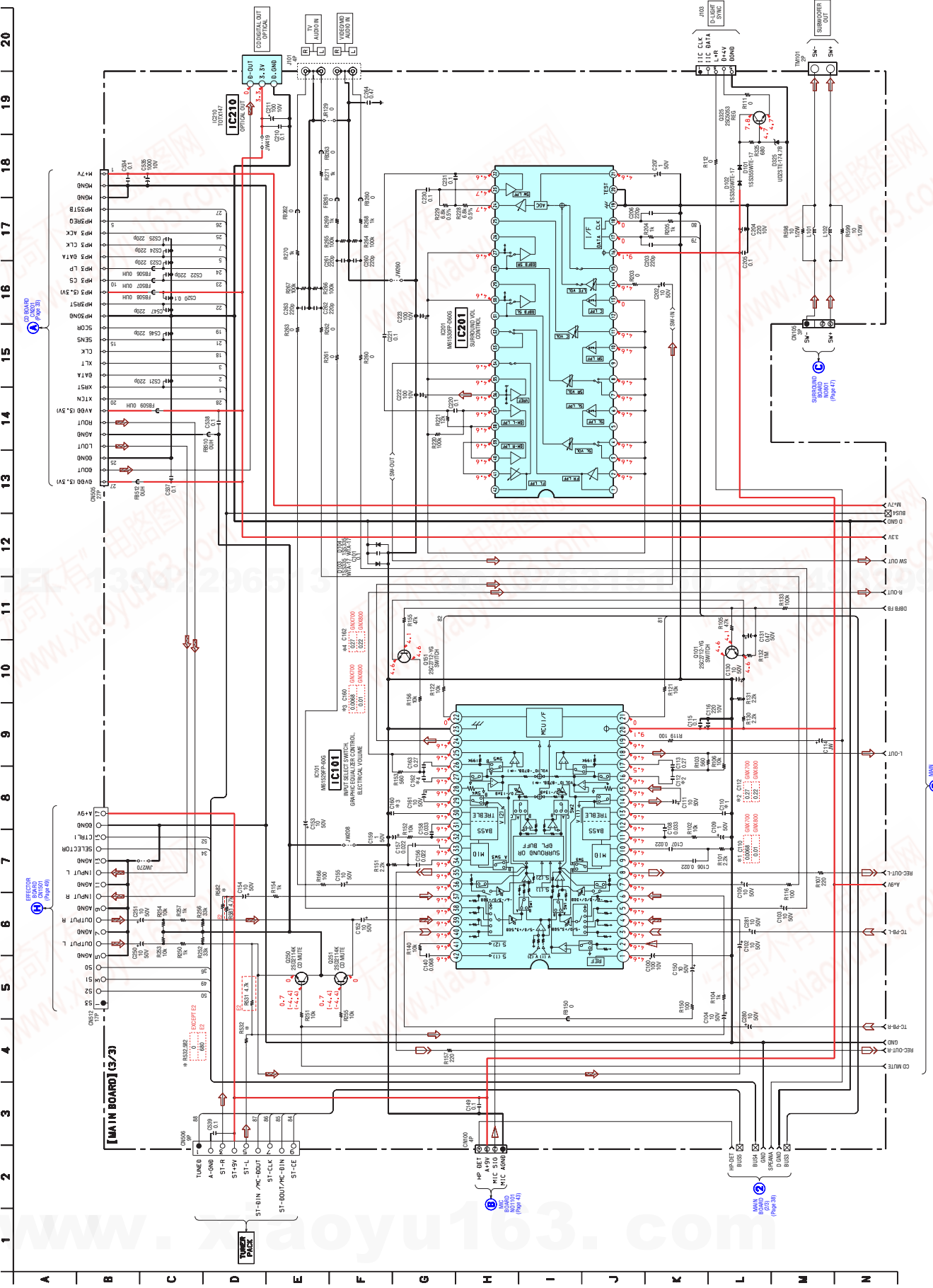
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7-12. SCHEMATIC DIAGRAM - MAIN BOARD (2/3) - See page 59 for Waveforms. See page 52 for Waveforms.



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7-13. SCHEMATIC DIAGRAM - MAIN BOARD (3/3)-



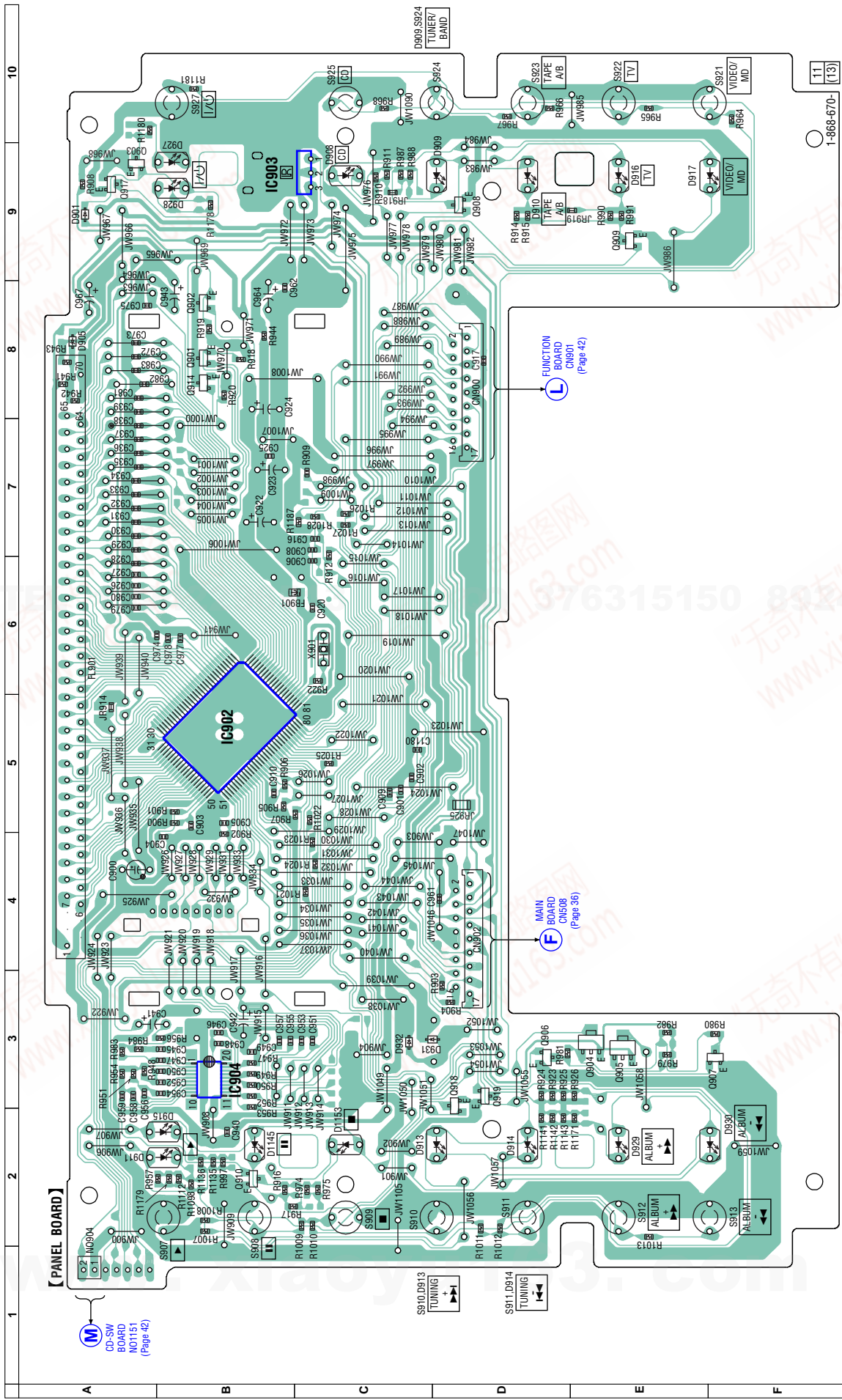
3

2

1

7-14. PRINTED WIRING BOARD - PANEL BOARD - See page 26 for Circuit Boards Location.

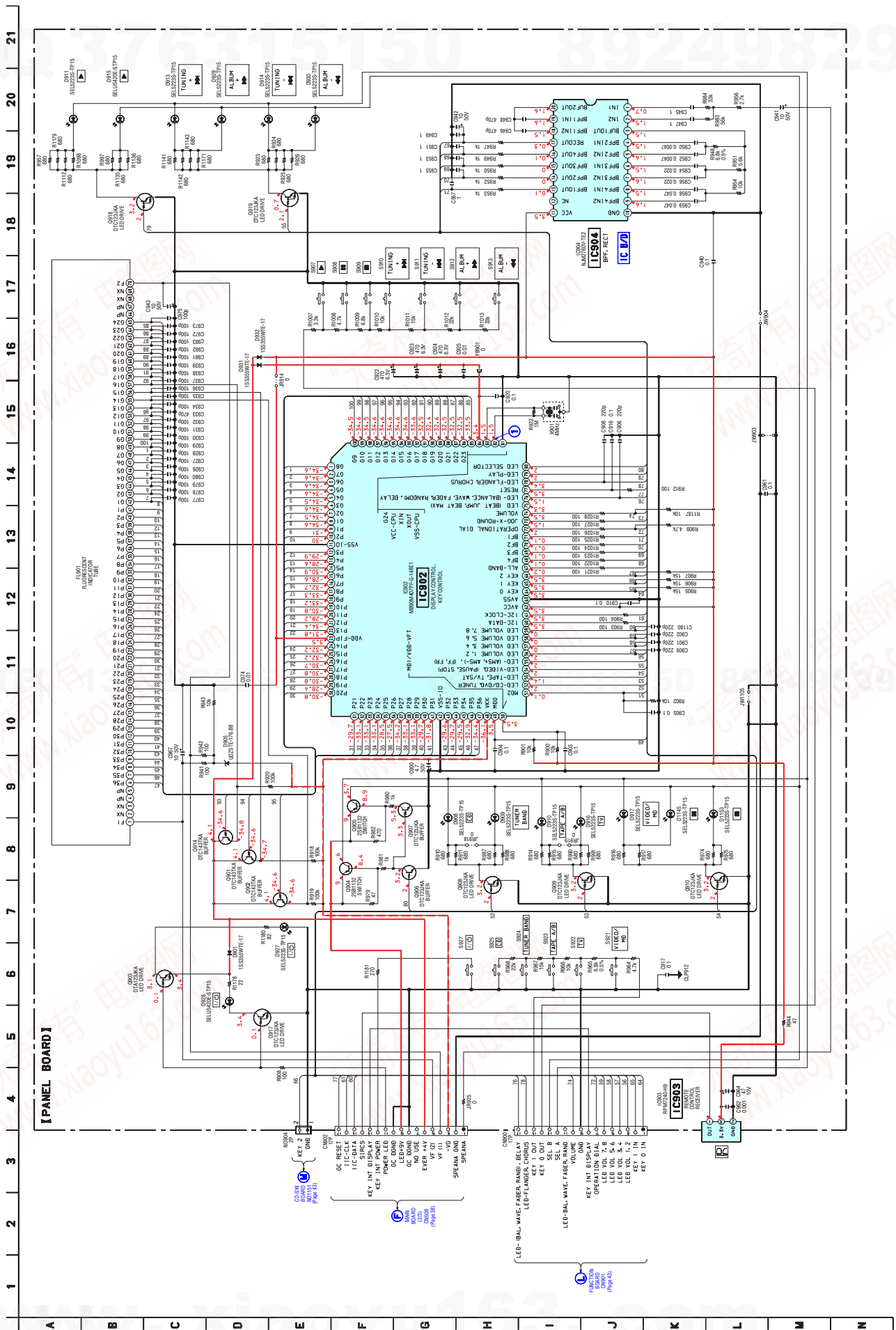
: Uses unleaded solder.



• Semiconductor Location

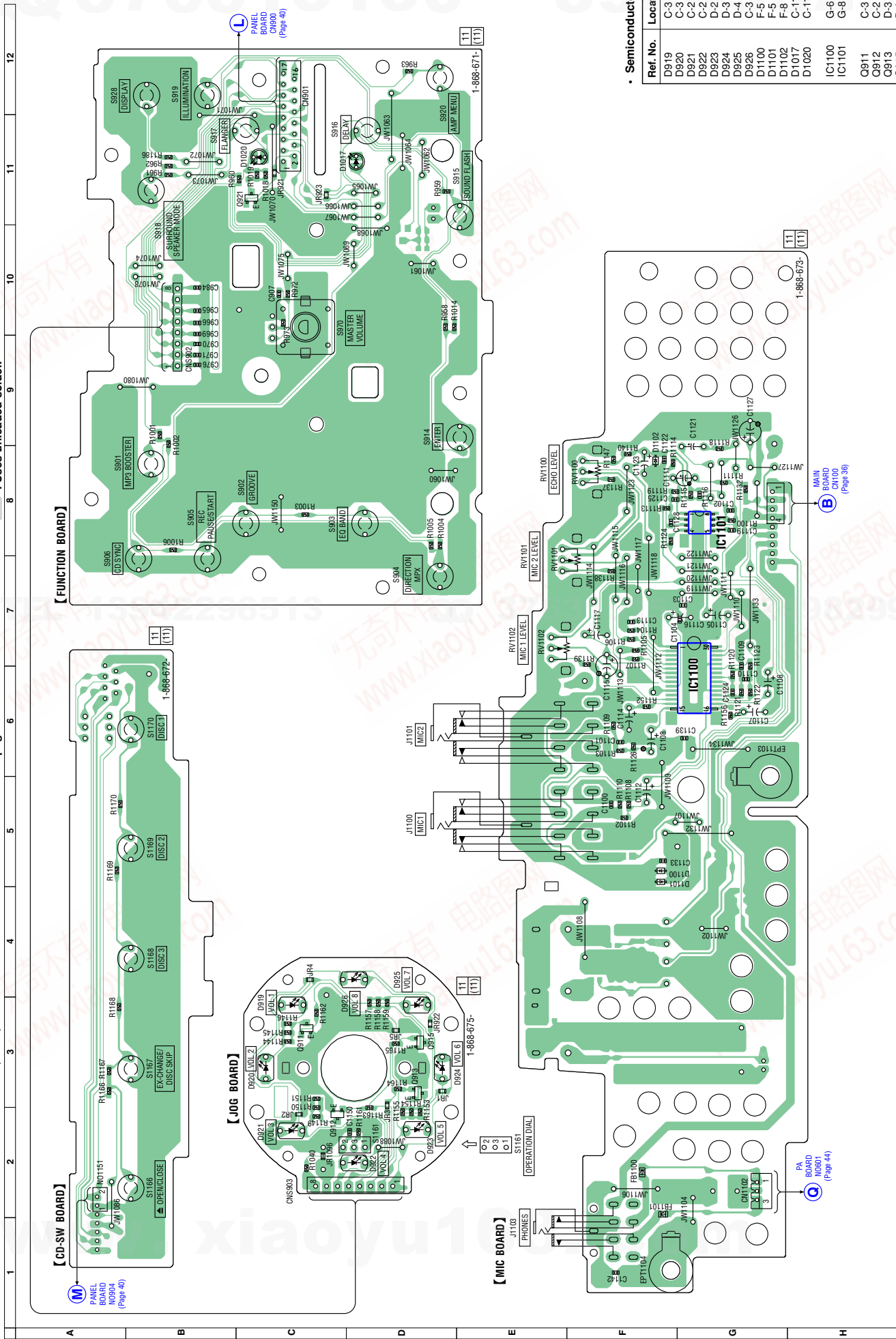
Ref. No.	Location
D901	A-9
D905	A-8
D908	C-9
D909	D-9
D910	D-9
D911	A-2
D913	C-2
D914	D-2
D915	B-2
D916	E-9
D917	E-9
D927	B-9
D928	B-9
D929	E-2
D930	F-2
D931	C-3
D932	C-3
D1145	B-2
D1155	C-2
IC902	B-5
IC903	B-9
IC904	B-3
Q901	B-8
Q902	B-8
Q903	A-9
Q904	E-3
Q905	E-3
Q906	D-3
Q907	F-3
Q908	D-9
Q909	E-9
Q910	B-8
Q914	B-8
Q917	A-9
Q918	D-3
Q919	D-3

7-15. SCHEMATIC DIAGRAM - PANEL BOARD - • See page 52 for Waveforms. • See page 61 for IC Pin Function Description.

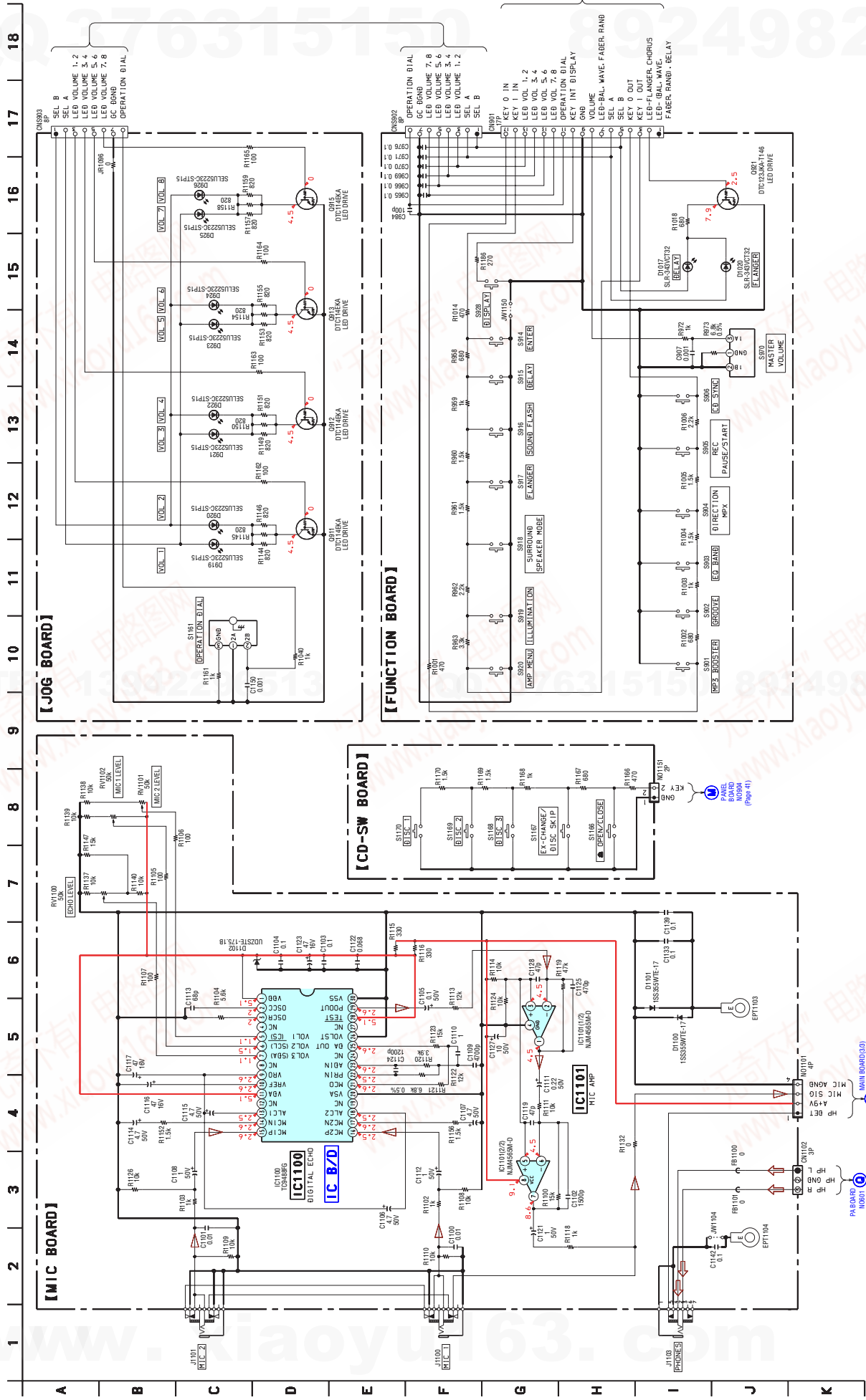


7-16. PRINTED WIRING BOARDS - CD-SW, JOG, MIC and FUNCTION BOARDS - See page 26 for Circuit Boards Location.

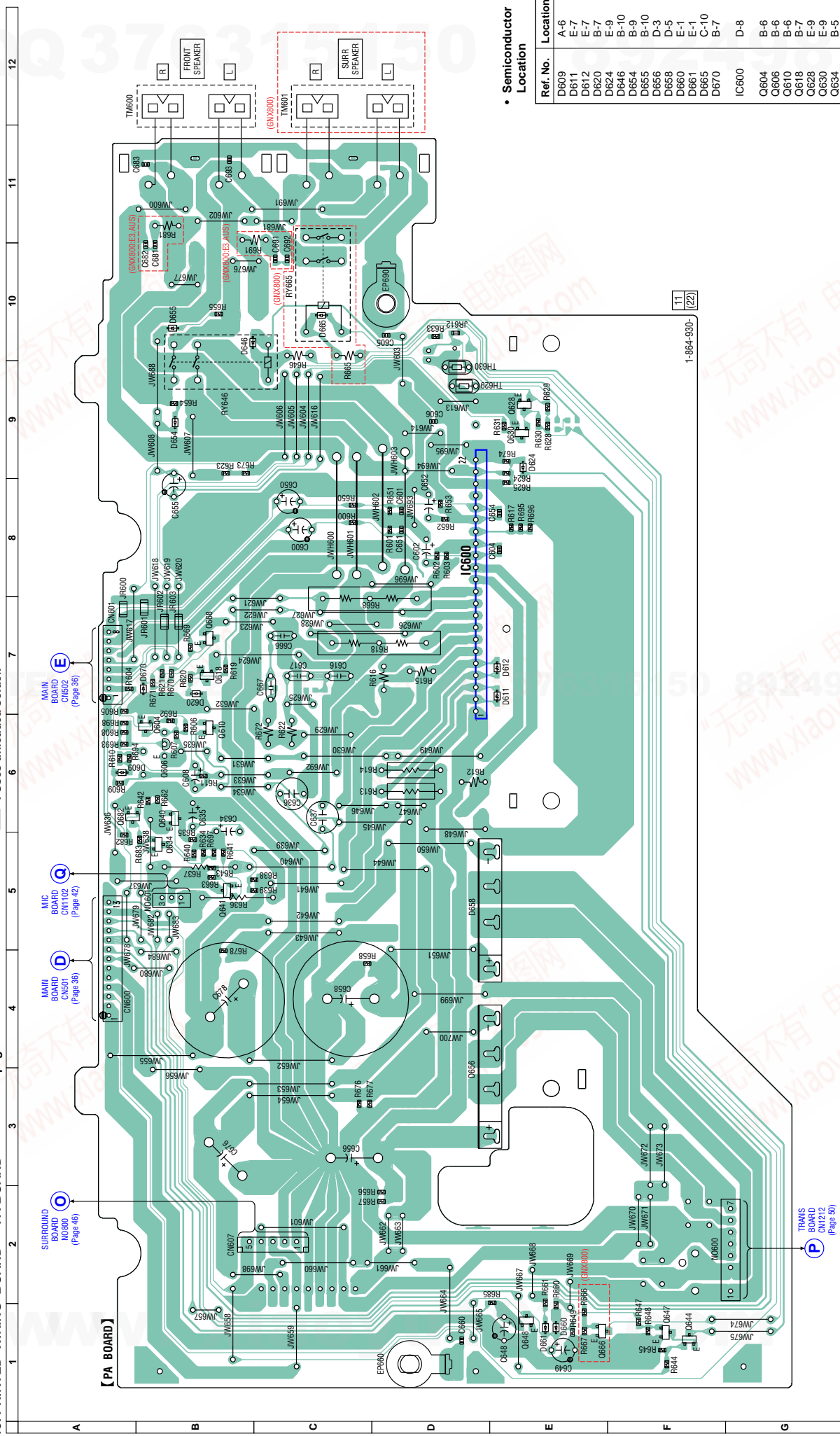
LF : Uses unleaded solder.



7-17. SCHEMATIC DIAGRAM - CD-SW, JOG, MIC and FUNCTION BOARDS - See page 55 for IC Block Diagrams.



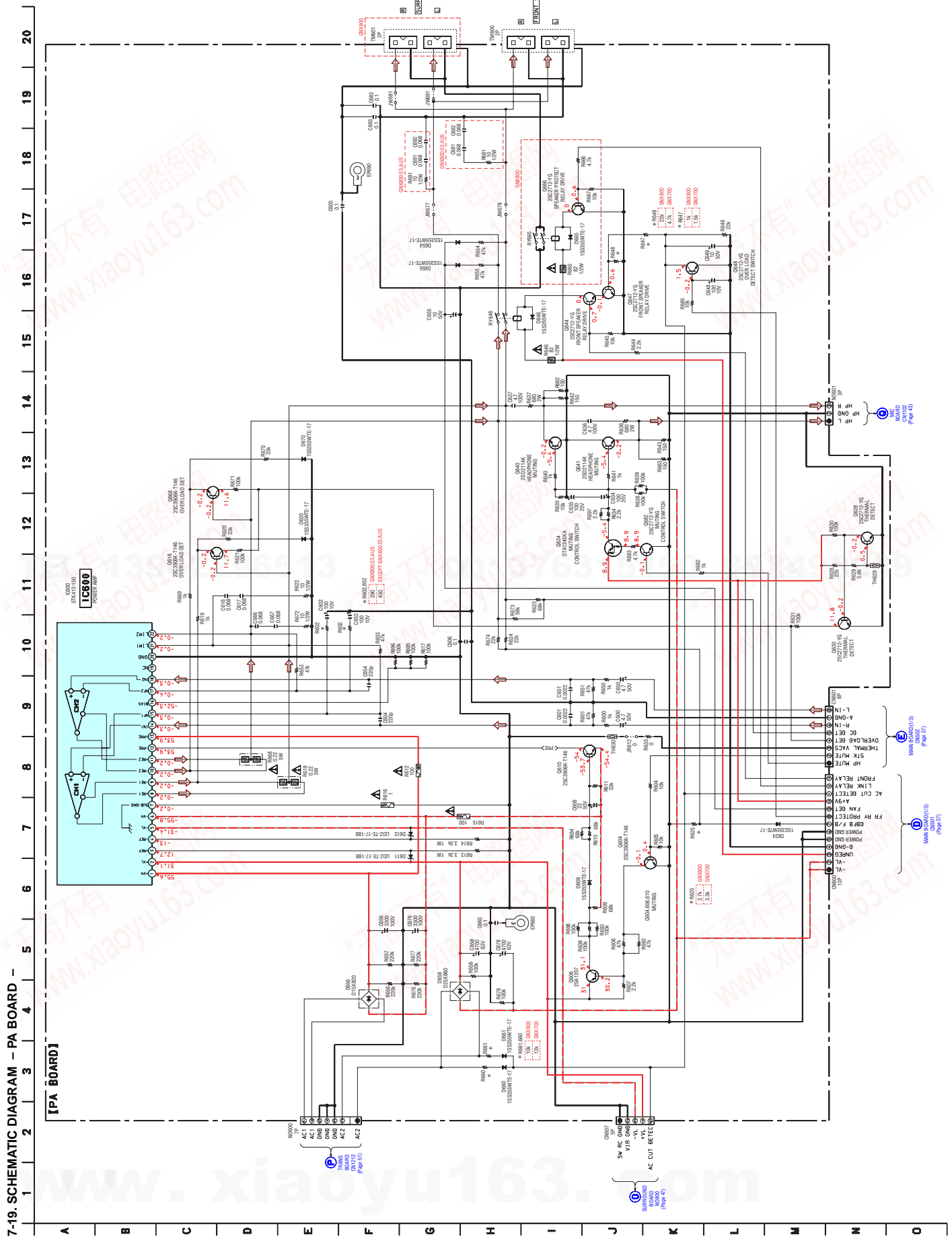
7-18. PRINTED WIRING BOARD - PA BOARD - • See page 26 for Circuit Boards Location. • Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D609	A-6
D611	E-7
D612	E-7
D620	B-7
D624	E-9
D646	B-10
D654	B-9
D655	B-10
D656	D-3
D658	D-5
D660	E-1
D661	E-1
D665	C-10
D670	B-7
IC600	D-8
Q604	B-6
Q606	B-6
Q610	B-6
Q618	B-7
Q628	E-9
Q630	E-9
Q634	B-5
Q640	B-6
Q641	B-5
Q644	F-1
Q647	F-1
Q648	E-1
Q666	E-1
Q668	B-7
Q682	A-6


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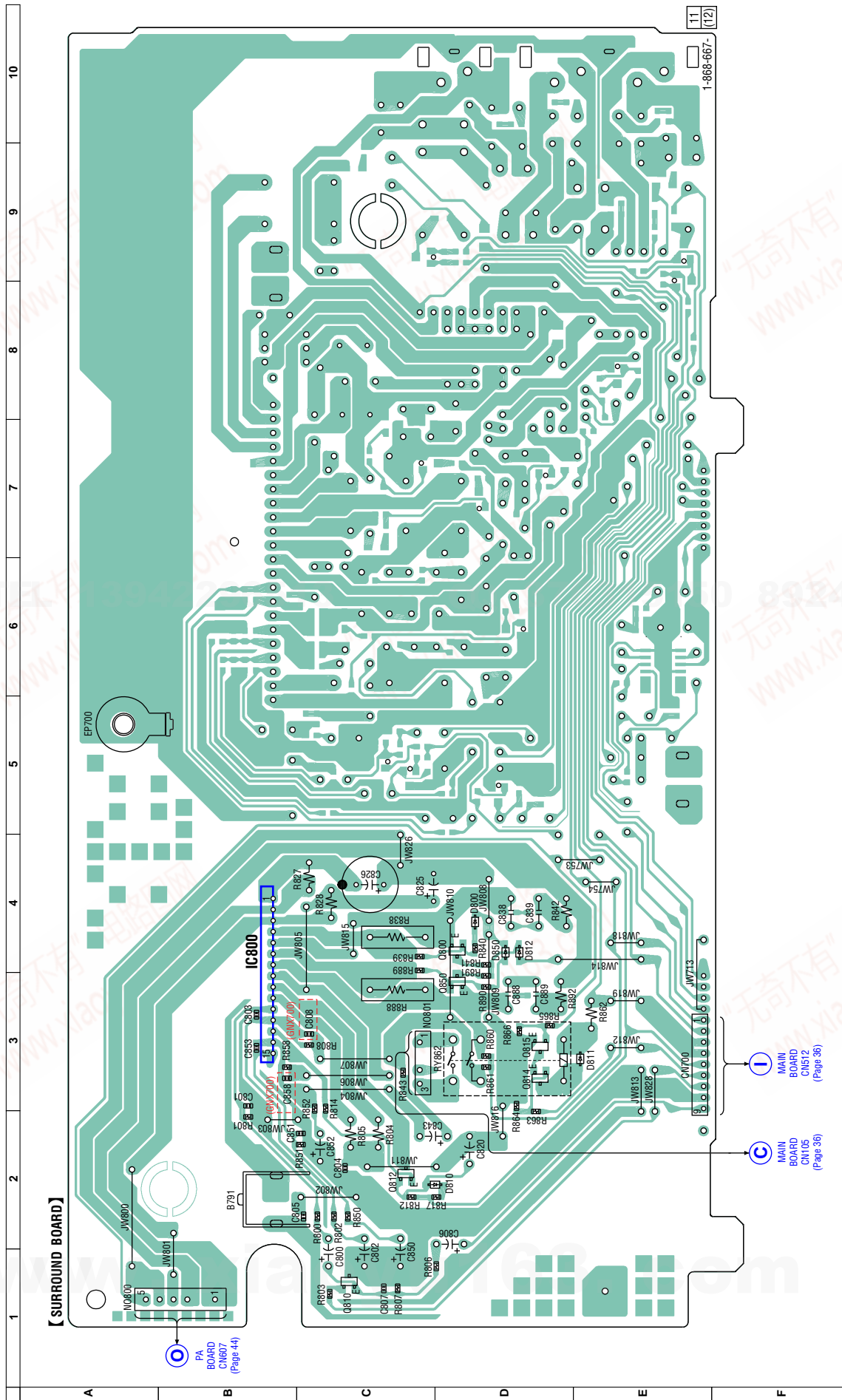


7-19. SCHEMATIC DIAGRAM - PA BOARD -

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Ver. 1.1

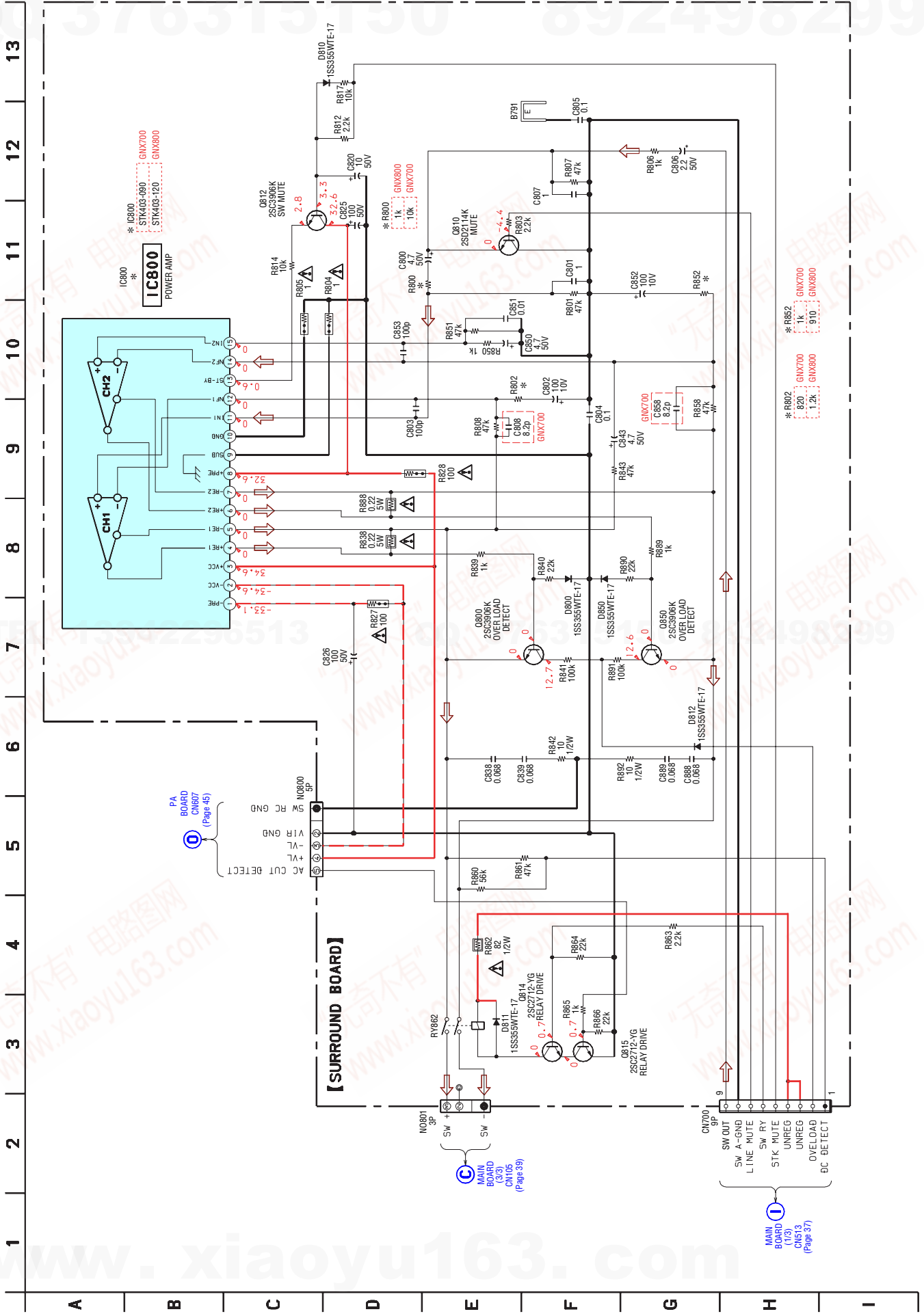
7-20. PRINTED WIRING BOARD -- SURROUND BOARD -- • See page 26 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D800	D-4
D810	D-2
D811	E-3
D812	D-4
D850	D-4
IC800	B-4
Q800	D-4
Q810	C-1
Q812	C-2
Q814	D-3
Q815	D-3
Q850	D-3

7-21. SCHEMATIC DIAGRAM -SURROUND BOARD -

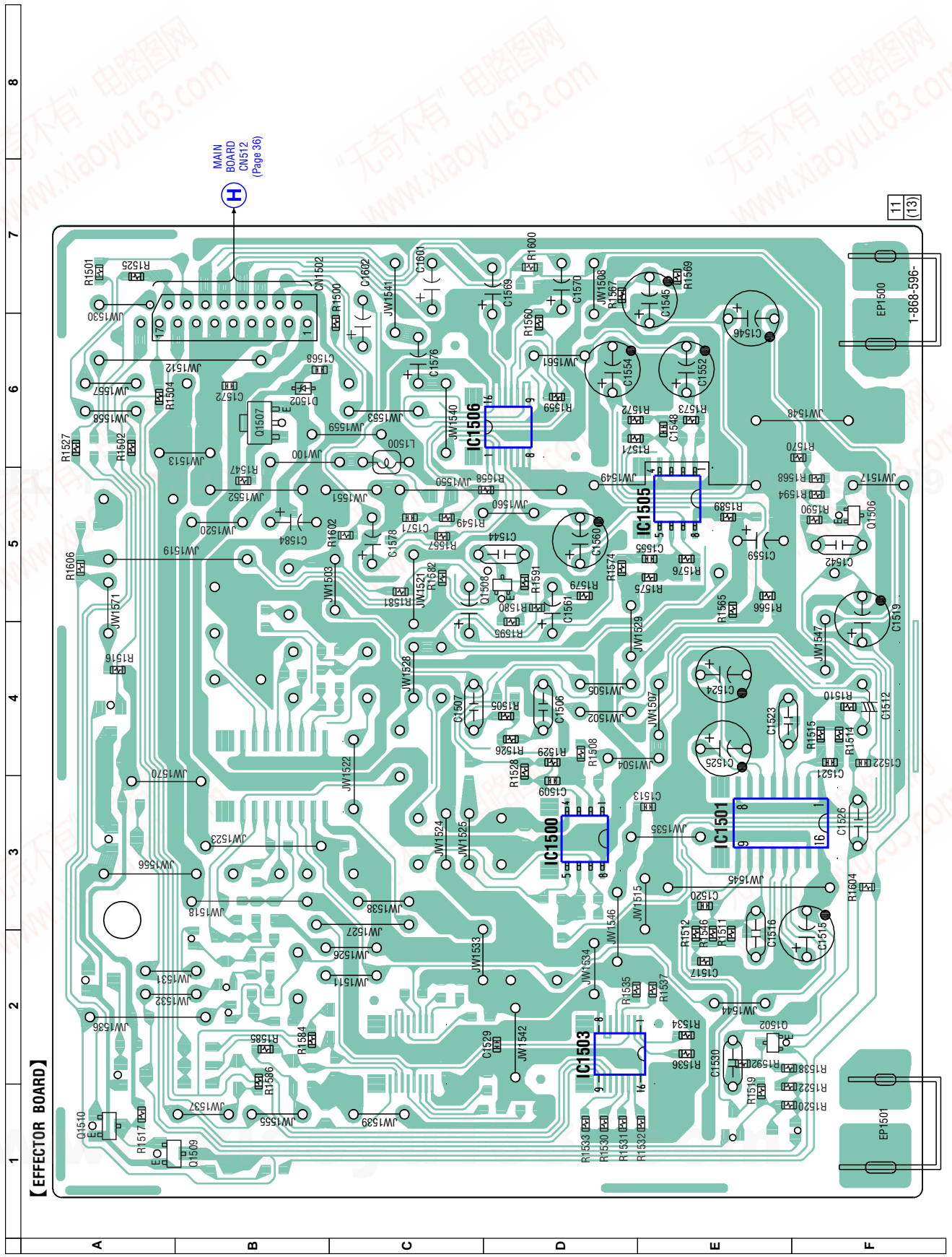


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: Uses unleaded solder.

• See page 26 for Circuit Boards Location.

7-22. PRINTED WIRING BOARD -- EFFECTOR BOARD --

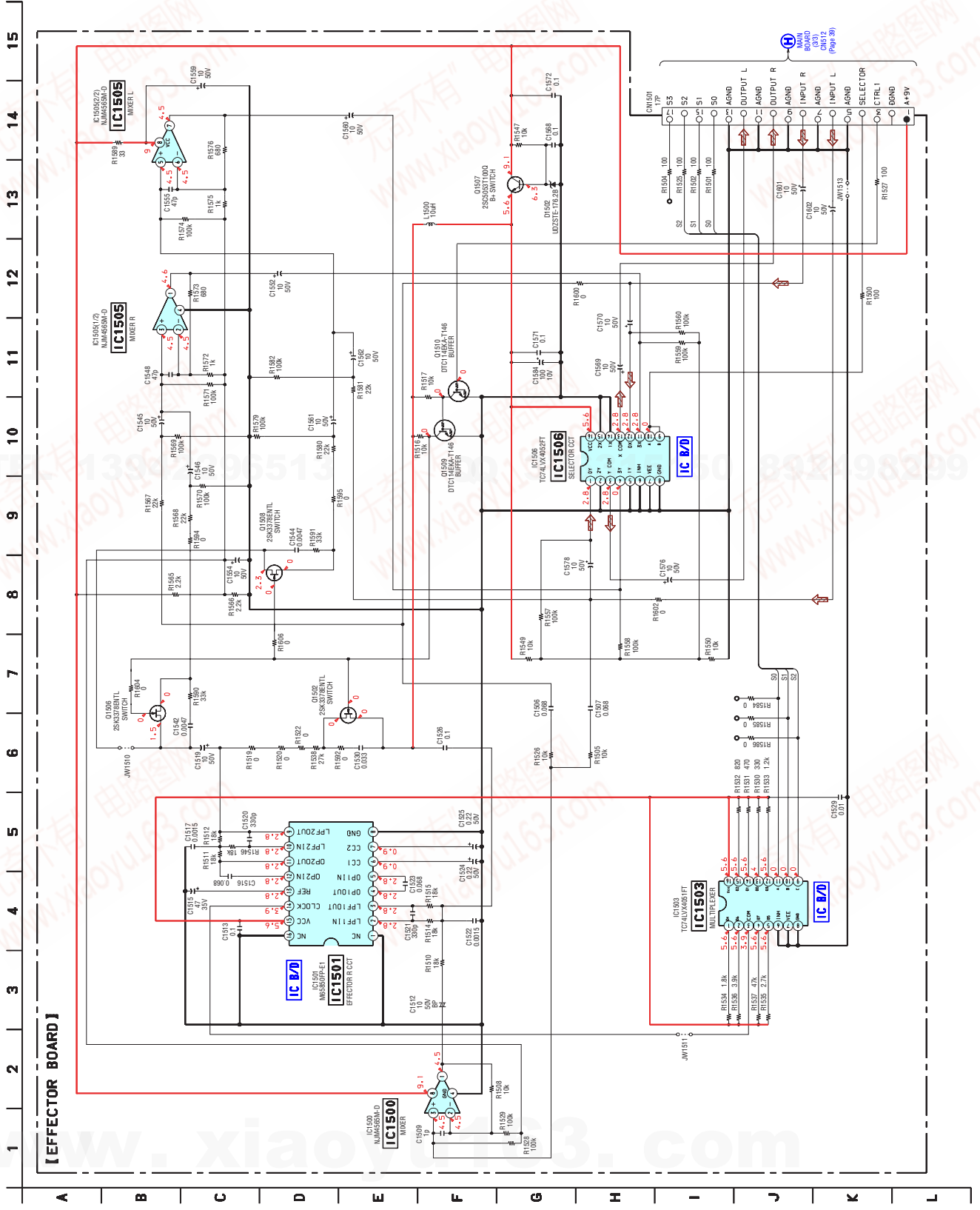


• Semiconductor Location

Ref. No.	Location
D1502	B-6
IC1500	D-3
IC1501	E-3
IC1503	D-2
IC1505	E-5
IC1506	C-6
Q1502	E-2
Q1506	F-5
Q1507	B-6
Q1508	D-5
Q1509	B-1
Q1510	A-1


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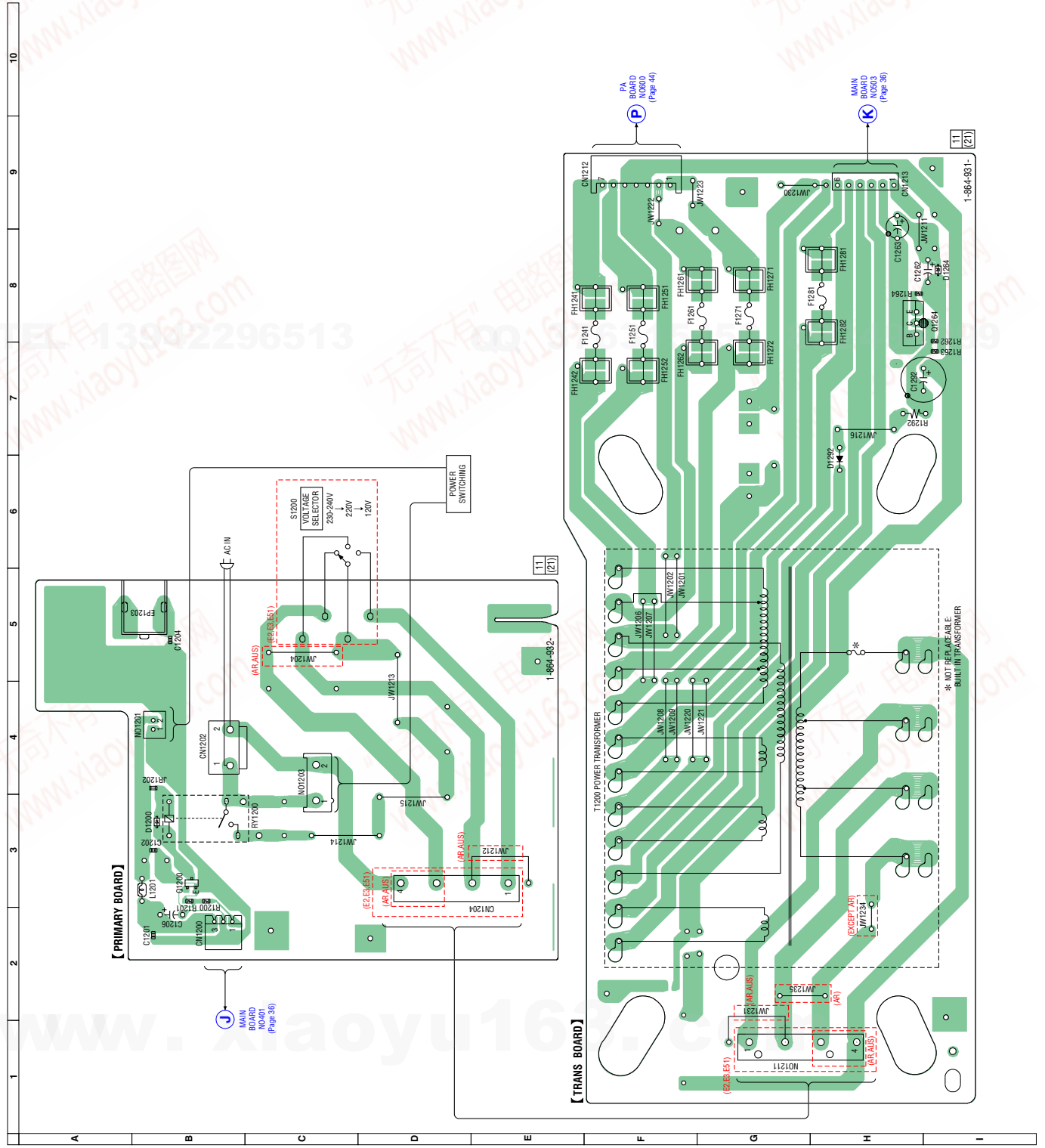
7-23. SCHEMATIC DIAGRAM - EFFECTOR BOARD - See page 54 for IC Block Diagrams.



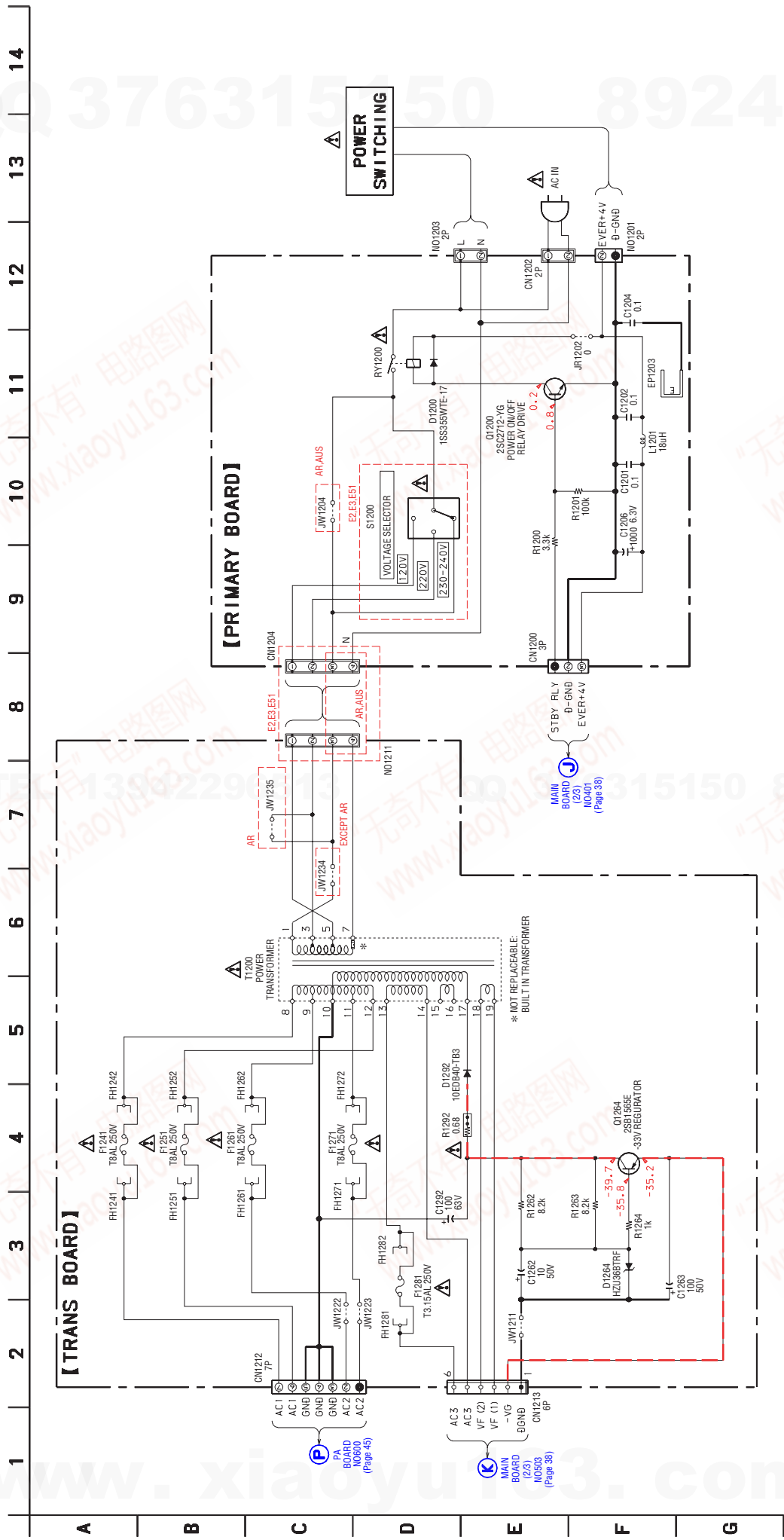
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7-24. PRINTED WIRING BOARDS - POWER SECTION - See page 26 for Circuit Boards Location.  : Uses unleaded solder.



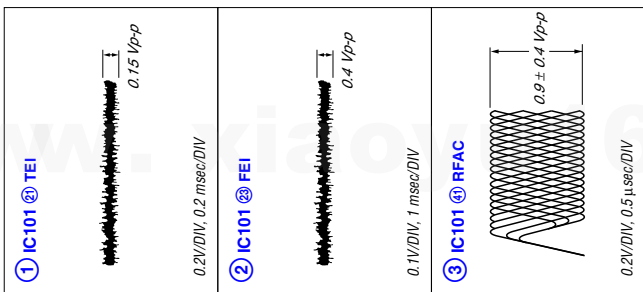
7-25. SCHEMATIC DIAGRAM - POWER SECTION -



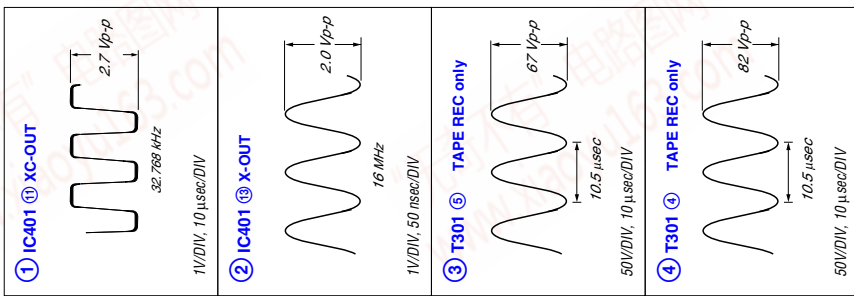
HCD-GNX700/GNX800

• WAVEFORMS

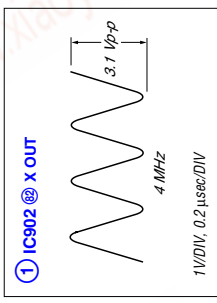
– CD BOARD –



– MAIN BOARD –



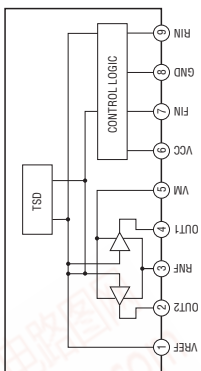
– PANEL BOARD –



• IC Block Diagram

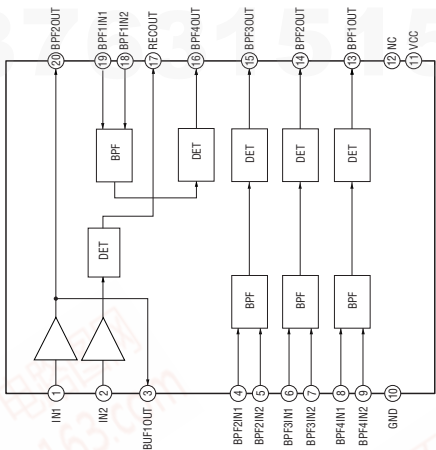
– DRIVER Board –

IC701, 712 BA6956AN



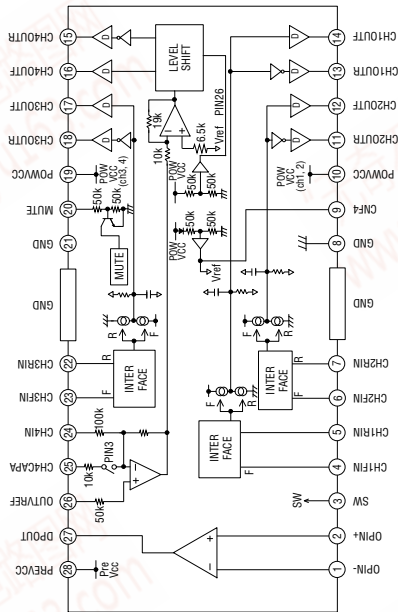
– PANEL Board –

IC904 NJM2760V-TE2



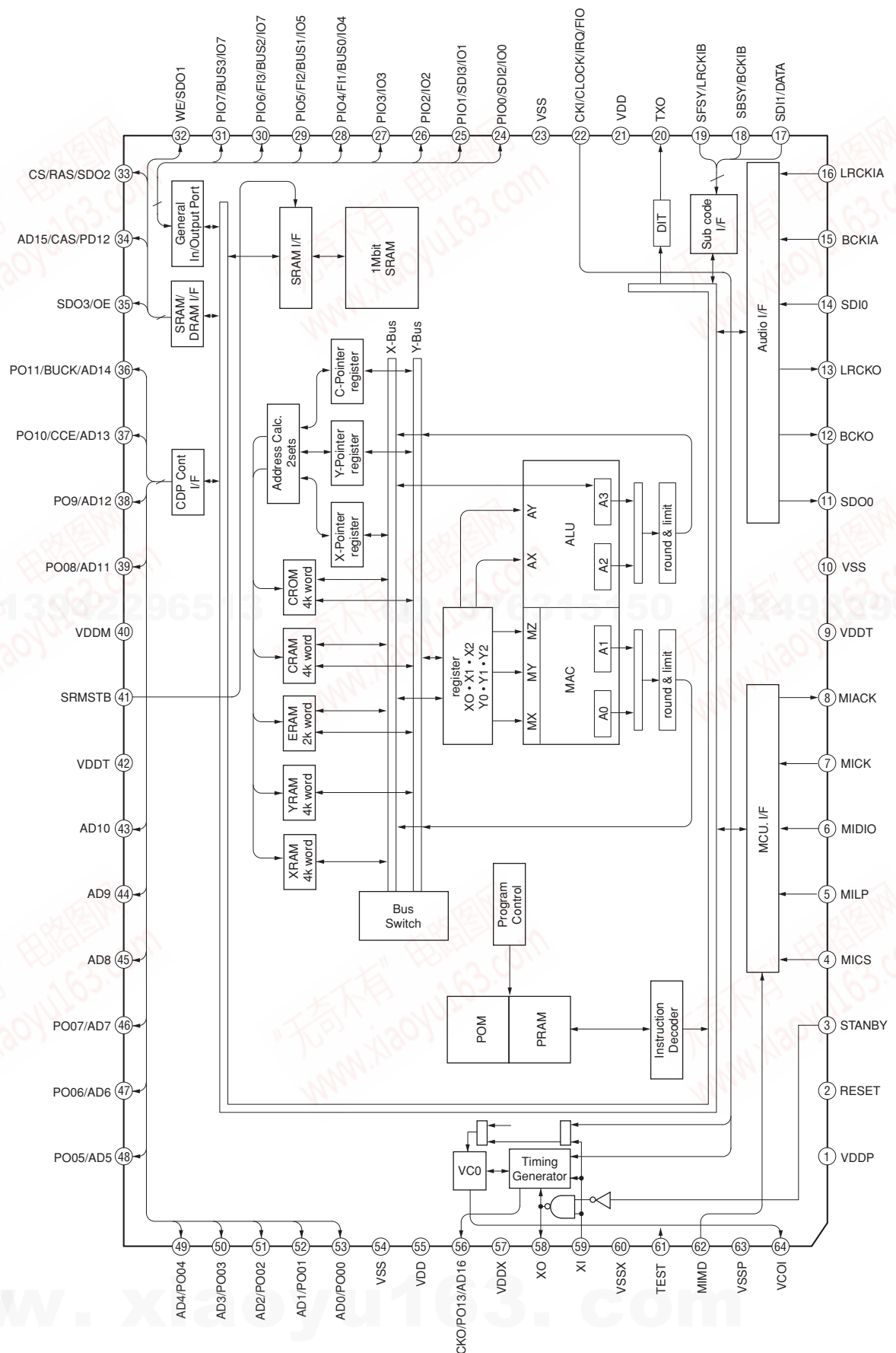
– CD Board –

IC251 BA5947FM-E2



- CD Board -

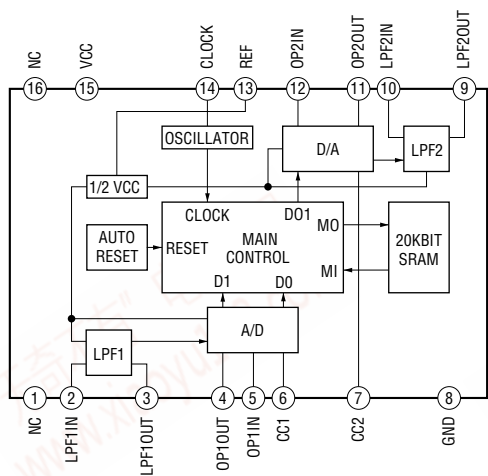
IC301 TC94A34FG-002



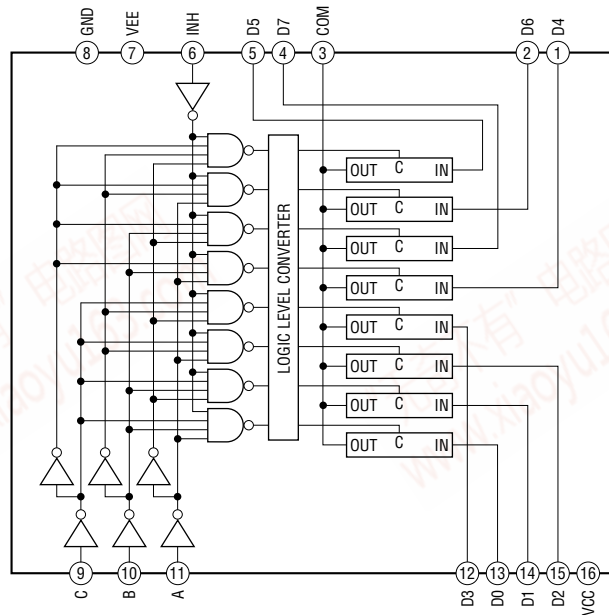
HCD-GNX700/GNX800

— EFFECTOR Board —

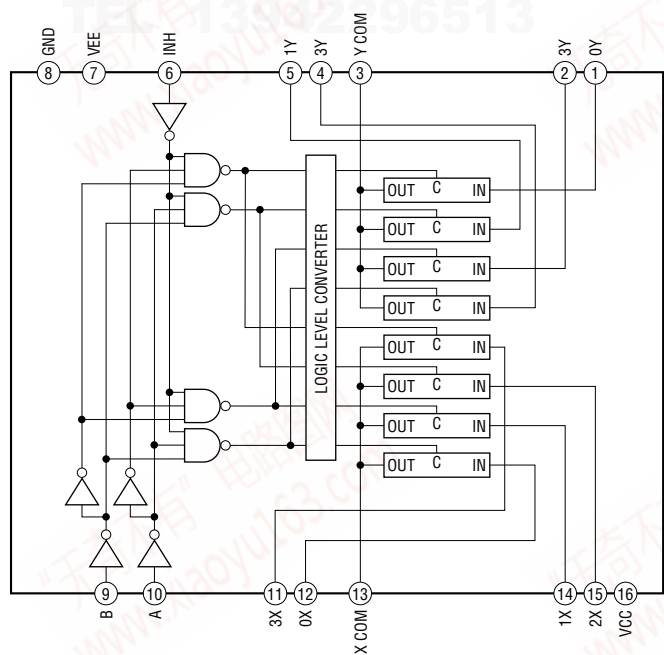
IC1501 M65850FP-E1



IC1503 TC74LVX4051FT

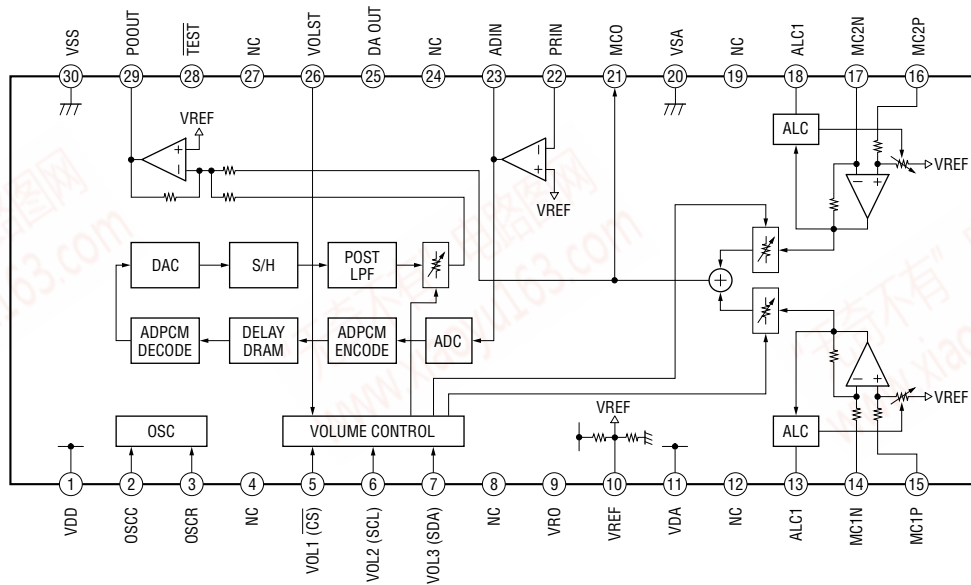


IC1506 TC74LVX4052FT



- MIC Board -

IC1100 TC9488FG



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TEL 13942296513 QQ 376315150 892498299

HCD-GNX700/GNX800**7-26. IC Pin Function Descriptions****• IC101 CXD3059AR (RF AMP) (CD BOARD)**

Pin No.	Pin Name	I/O	Description
1	MIRR	I/O	Not used (Open)
2	DFCT	I/O	Not used (Open)
3	FOK	I/O	Not used (Open)
4	VSS	–	Ground terminal
5	LOCK	I/O	Not used (Open)
6	MDP	O	Spindle motor servo control signal output
7	SSTP	I	Disc innermost detection signal input
8	IOVSS1	–	Ground terminal
9	SFDR	O	Sled drive signal output
10	SRDR	O	Sled drive signal output
11	TFDR	O	Tracking drive signal output
12	TRDR	O	Tracking drive signal output
13	FFDR	O	Focus drive signal output
14	FRDR	O	Focus drive signal output
15	IOVDD1	–	Power supply terminal (+3.3V)
16	AVDD0	–	Power supply terminal (+3.3V)
17	AVSS0	–	Ground terminal
18	NC	–	Not used (Open)
19	E	I	E signal input
20	F	I	F signal input
21	TEI	I	Tracking error signal input
22	TEO	O	Tracking error signal output
23	FEI	I	Focus error signal input
24	FEO	O	Focus error signal output
25	VC	O	Center voltage output from RF amplifier block
26	A	I	A signal input
27	B	I	B signal input
28	C	I	C signal input
29	D	I	D signal input
30	NC	–	Not used (Open)
31	AVDD4	–	Power supply terminal (+3.3V)
32	RFDCO	O	RFDC signal output (Open)
33	PDSSENS	I	Reference voltage terminal
34	AC_SUM	O	RFAC summing amplifier signal output
35	EG_IN	I	Equalizer circuit signal input
36	LD	O	APC LD drive signal output
37	PD	I	APC PD signal input
38	NC	–	Not used (Open)
39	RFC	I	Equalizer cut-off frequency adjustment terminal
40	AVSS4	–	Ground terminal
41	RFACO	O	RFAC signal output
42	RFACI	I	RFAC signal input or EFM signal input
43	AVDD3	–	Power supply terminal (+3.3V)
44	BIAS	I	Asymmetry circuit constant current input
45	ASYI	I	Asymmetry comparator voltage input
46	ASYO	O	EFM full-swing signal output
47	VPCO	O	Not used (Open)
48	VCTL	I	Wide-band EFM PLL VCO2 control voltage input

Pin No.	Pin Name	I/O	Description
49	AVSS3	-	Ground terminal
50	CLTV	I	Multiplier VCO1 control voltage input
51	FILO	O	Master PLL (slave = digital PLL) filter signal output
52	FILI	I	Master PLL filter signal input
53	PCO	O	Master PLL charge pump signal output
54	AVDD5	-	Power supply terminal (+3.3V)
55	DDVROUT	O	DC/DC converter output (+2.5V)
56	DDVRSEN	I	DC/DC converter output voltage monitor signal input
57	AVSS5	-	Ground terminal
58	DDCR	I	DC/DC converter reset signal input
59	NC	-	Not used (Open)
60	BCKI	I	D/A interface bit clock input
61	PCMDI	I	D/A interface serial data input
62	LRCKI	I	D/A interface LR clock input
63	LRCK	O	D/A interface LR clock output $f = F_s$
64	VSS	-	Ground terminal
65	PCMD	O	D/A interface serial data output
66	BCK	O	D/A interface bit clock output
67	VDD	-	Power supply terminal (+2.5V)
68	EMPH	O	High when the playback disc has emphasis, low it has not
69	EMPHI	I	High when de-emphasis is ON, low when input OFF
70	IOVDD2	-	Power supply terminal (+3.3V)
71	DOUT	O	Digital Out signal output
72	TEST	I	Test terminal (Connected to ground)
73	TEST1	I	Test terminal (Connected to ground)
74	IOVSS2	-	Ground terminal
75	NC	-	Not used (Open)
76	XVSS	-	Ground terminal
77	XTAO	O	Crystal oscillation circuit signal output
78	XTAI	I	Crystal oscillation circuit signal input
79	XVDD	-	Power supply terminal (+2.5V)
80	AVDD1	-	Power supply terminal (+3.3V)
81	AOUT1	O	L-ch analog signal output
82	VREFL	O	L-ch reference voltage output
83	AVSS1	-	Ground terminal
84	AVSS2	-	Ground terminal
85	VREFR	O	R-ch reference voltage output
86	AOUT2	O	R-ch analog signal output
87	AVDD2	-	Power supply terminal (+3.3V)
88	NC	-	Not used (Open)
89	IOVDD0	-	Power supply terminal (+3.3V)
90	RMUT	O	Not used (Open)
91	LMUT	O	Not used (Open)
92	NC	-	Not used (Open)
93	XTSL	I	Crystal selection signal input (Pull down)
94	IOVSS0	-	Ground terminal
95	XTACN	I	Oscillation circuit control signal input ("H": self-oscillation, "L": oscillation stop)
96	SQSO	O	Not used (Open)
97	SQCK	I	SQSO readout clock input (Connected to +VDD(+3.3V))
98	SBSO	O	Not used (Open)

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Pin No.	Pin Name	I/O	Description
99	EXCK	I	Not used (Open)
100	XRST	I	System reset signal input from M30622MEP
101	SYSM	I	Muting signal input (Connected to ground)
102	DATA	I	Serial data input from M30622MEP
103	VSS	-	Ground terminal
104	XLAT	I	Latch signal input from M30622MEP
105	CLOCK	I	Serial data transfer clock input from M30622MEP
106	VDD	-	Power supply terminal (+2.5V)
107	SENS	O	SENS output to M30622MEP
108	SCLK	I	SENS serial data readout clock input (Connected to +VDD(+3.3v))
109	ATSK	I/O	Not used (Open)
110	WFCK	O	Not used (Open)
111	XUGF	O	Not used (Open)
112	XPCK	O	Not used (Open)
113	GFS	O	Not used (Open)
114	C2PO	O	Not used (Open)
115	SCOR	O	High output when the sub code sync, S0 or S1, is detected
116	VDD	-	Power supply terminal (+2.5V)
117	C4M	O	Not used (Open)
118	WDCK	O	Not used (Open)
119	COUT	I/O	Not used (Open)
120	NC	-	Not used (Open)

• IC401 M30622MEP-A75FPUO SYSTEM CONTROL (MAIN BOARD)

Pin No.	Pin Name	I/O	Description
1	XRST	O	Reset signal output to CXD3059AR ("L": reset)
2	CD-DATA	O	Serial data output to CXD3059AR
3	XLAT	O	Serial data latch signal output to CXD3059AR
4	SIRCS	I	Remote control signal input
5	MP3 DATA OUT	O	Serial data output to TC94A34FG
6	MP3 DATA IN	I	Serial data input from TC94A34FG
7	MP3 CLK	O	Serial data transfer clock output to TC94A34FG
8	BYTE	I	Not used (Connected to ground)
9	CNVSS	-	Ground at test (Pull down)
10	XC-IN	I	Sub system clock input (32.768KHz)
11	XC-OUT	O	Sub system clock output (32.768KHz)
12	RESET	I	System reset signal input
13	X-OUT	O	Main system clock output (5MHz)
14	VSS	-	Ground terminal
15	X-IN	I	Main system clock input (5MHz)
16	VCC	-	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input (Not used) (Pull up with resistor)
18	CD-CLK	O	Serial data transfer clock output to CXD3059AR
19	SCOR	I	Sub code sync (S0+S1) detection signal input from CXD3059AR
20	AC-CUT	I	AC off detection signal input ("L": AC cut detected)
21	SENS	I	Internal status detection monitor input from CXD3059AR
22	MP3 RST	O	Reset signal output to TC94A34FG
23	MP3 CS	O	Chip select signal output to TC94A34FG ("L": enable)
24	MP3 LP	O	Latch pulse output to TC94A34FG ("L": enable)
25	MP3 ACK	I	Acknowledgement signal input from TC94A34FG ("L": acknowledged)
26	MP3 REQ	I	Request signal input to TC94A34FG
27	MP3 STB	O	Standby mode signal output to TC94A34FG ("L": standby mode)
28	XTCN	O	Oscillation on/off control signal output to CXD3059AR ("H": on)
29	IIC-CLK	I/O	IIC bus serial clock input/output
30	IIC-DATA	I/O	IIC bus serial data input/output
31	VMUTE	O	CDG video signal muting on/off control signal output ("H": muting on)
32	CD POWER	O	Power on/off control signal output ("H": power on)
33	CDG DET	I	CDG disc detection signal input ("H": CDG disc detected)
34	EFFECTOR-SELECT	O	Effector circuitry bypass control signal output ("L": bypass)
35	CDG RST	O	Reset signal output to the CDG decoder ("L": reset) (Not used) (Open)
36	EFFECTOR-S0	O	Effector circuitry delay time selection bit 0 output
37	CD MUTE	O	CD analog signal muting on/off control signal output "H": muting on)
38	OPEN SW	I	Eject detection signal input from CD mechanism deck
39	TBL-SENS	I	Disc tray position detection signal input from CD mechanism deck
40	E-3	I	Disc tray status detection signal input from CD mechanism deck
41	E-2	I	Disc tray status detection signal input from CD mechanism deck
42	E-1	I	Disc tray status detection signal input from CD mechanism deck
43	TM-F	O	Table motor control signal output
44	TM-R	O	Table motor control signal output
45	LMF	O	Table loading motor control signal output
46	LMR	O	Table loading motor control signal output
47	NO USE	I	Not used
48	A-HALF	I	Deck A cassette detection signal input ("H": Cassette detected)
49	EFFECTOR-S1	O	Effector circuitry delay time selection bit 1 output

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Pin No.	Pin Name	I/O	Description
50	EFFECTOR-S2	O	Effector circuitry delay time selection bit 2 output
51	NO USE	I	Not used
52	EFFECTOR CTRL 1	O	Flanger on/off signal output (“H”: on)
53	A-TRIG	O	Deck A side trigger plunger drive signal output (“H”: plunger on)
54	CAPM-CONT	O	Capstan motor drive signal output
55	B-TRIG	O	Deck B side trigger plunger drive signal output (“H”: plunger on)
56	REC BIAS	O	Recording bias on/off control signal output (“H”: bias on)
57	TC-RELAY	O	Recording/playback selection signal output (“H”: recording “L”: playback)
58	ALC	O	Automatic limiter control signal output (“H”: limiter on)
59	PB-AB	O	“Deck A/B playback selection signal output (“H”: deck A “L”: deck B)
60	FAN HI SPEED	O	Fan speed control signal output (“L”: high speed)
61	UNDER VOLTAGE DET	I	Under-voltage protection detection input (“H”: under-voltage detected)
62	VCC	–	Power supply terminal (+3.3V)
63	OVER VOLTAGE	I	Over-voltage protection detection input (“L”: over-voltage detected)
64	VSS	–	Ground terminal
65	TC MUTE	O	Tape playback muting on/off control signal output (“H”: muting on)
66	LINE MUTE	O	Line muting on/off control signal output (“H”: muting on)
67	REC MUTE	O	Recording muting on/off control signal output (“H”: muting on)
68	SW RY	O	Sub woofer relay drive signal output (“H”: relay on)
69	STBY-RLY	O	Main power on/off control signal output (“H”: power on)
70	PROT	I	Speaker protect detection signal input (“L”: protector on)
71	GC-RESET	O	Reset signal output to MB90M407PF (“L”: reset)
72	STBY-LED/FAN CTRL	O	POWER indicator LED drive signal output (“H”: green color “L”: red color)
73	DISPLAY-KEY	I	DISPLAY key press detection Interrupt signal input
74	POWER-KEY	I	POWER key press detection Interrupt signal input
75	HP-MUTE	O	Headphone muting on/off control signal output (“H”: muting on)
76	FR RELAY	O	Front speakers relay drive signal output (“H”:relay on)
77	LINK/SURR-RLY	O	Surround speaker mode control signal output (“H”: LINK “L”: MATRIX SURROUND1/2)
78	STK-MUTE	O	Power amplifier and sub woofer amplifier on/off control signal output (“H”: amplifier on)
79	M61530-DATA	O	Serial data output to M61530FP
80	M61530-CLK	O	Serial data transfer clock output to M61530FP
81	M61529-DATA	O	Serial data output to M61529FP
82	M61529-CLK	O	Serial data transfer clock output to M61529FP
83	SW ON LED	O	SUB WOOFER ON LED drive signal output (“H”: LED on)
84	ST-CE	O	PLL chip enable signal output to the tuner unit
85	MC DIN (ST)	I	PLL serial data input to the tuner unit
86	ST-CLK	O	PLL serial data transfer clock output to the tuner unit
87	MC DOUT (ST)	O	PLL serial data output from the tuner unit (“L”: tuned)
88	TUNED	I	Tuning detection signal input from the tuner unit
89	A SHUT	I	Shut off detection signal input from deck A side reel pulse detector
90	B SHUT	I	Shut off detection signal input from deck A side reel pulse detector
91	NO USE	I	Not used
92	MODEL-IN	I	Model setting input
93	DEST-IN	I	Destination input
94	B-HALF	I	Deck B cassette , forward side recording tab and reverse side recording tab detection signal input
95	SW VOL IN	I	Subwoofer volume level detect signal input from subwoofer volume jog
96	AVSS	–	Ground terminal (for A/D conversion)
97	THERMAL VACS	I	Temperature detection signal input from thermistor
98	VREF	I	A/D converter reference voltage input terminal (+3.3V)
99	AVCC	–	Power supply terminal (+3.3V) (for A/D conversion)
100	HP DET	I	Headphone connection detection signal input (“H”: headphone connected) Pin No. Pin

• IC902 MB90M407PF-G-148E1 DISPLAY CONTROL (PANEL BOARD)

Pin No.	Pin Name	I/O	Description
1 to 8	G8 to G1	O	FLD grid signal output
9, 10	P1,P2	O	FLD segment signal output
11	VSS-IO	-	Ground terminal
12 to 22	P3 to P13	O	FLD segment signal output
23	VDD-FIP	-	Power supply terminal(+3.3V)
24 to 41	P14 to P31	O	FLD segment signal output
42	VSS-IO	-	Ground terminal
43 to 47	P32 to P36	O	FLD segment signal output
48	VKK	-	Power supply terminal (-35V)
49	MD0	I	Micom operating mode (Pull up)
50	MD1/VDD-VFT	I	Micom operating mode (Pull up)
51	MD2	I	Micom operating mode (Pull down)
52	LED-CD/DVD,TUNER	O	LED drive signal output
53	LED-TAPE,TV/SAT	O	LED drive signal output
54	LED-VIDEO (PAUSE,STOP)	O	LED drive signal output
55	LED-(AMS+,AMS-),(FF,FR)	O	LED drive signal output
56	LED-VOLUME 1,2	O	LED drive signal output
57	LED-VOLUME 3,4	O	LED drive signal output
58	LED-VOLUME 5,6	O	LED drive signal output
59	LED-VOLUME 7,8	O	LED drive signal output
60	IIC DATA	I/O	IIC bus serial data input/output
61	IIC CLOCK	I/O	IIC bus serial clock input/output
62	AVCC	-	Power supply terminal (+3.3V)
63	AVSS	-	Ground terminal
64 to 66	KEY0 to KEY2	I	Key input (A/D)
67	ALL BAND	I	Audio L+R signal input
68 to 71	BPF4 to BPF1	I	Spectrum analyzer signal input
72	OPERATION DIAL	I	OPERATION DIAL encoder signal input
73	JOG X-ROUND	I	X-ROUND JOG encoder signal input (Not used)
74	VOLUME	I	Volume encoder signal input
75	LED-(BEAT JUMP,BEAT MAX)	O	LED drive signal output (Not used)
76	LED-(BALANCE,WAVE, FADER,RANDOM),DELAY	O	LED drive signal output (Not used)
77	RESET	I	Reset signal input
78	LED-FLANGER,CHORUS	O	LED drive signal output
79	LED-PLAY	O	LED drive signal output
80	LED-SELECTOR	O	LED group select signal output
81	VSS-CPU	-	Ground terminal
82	XOUT	O	Crystal oscillator output (4MHz)
83	XIN	I	Crystal oscillator input (4MHz)
84	VCC-CPU	-	Power supply terminal (+3.3V)
85 to 100	G24 to G9	O	FLD grid signal output

HCD-GNX700/GNX800

SECTION 8 EXPLODED VIEWS

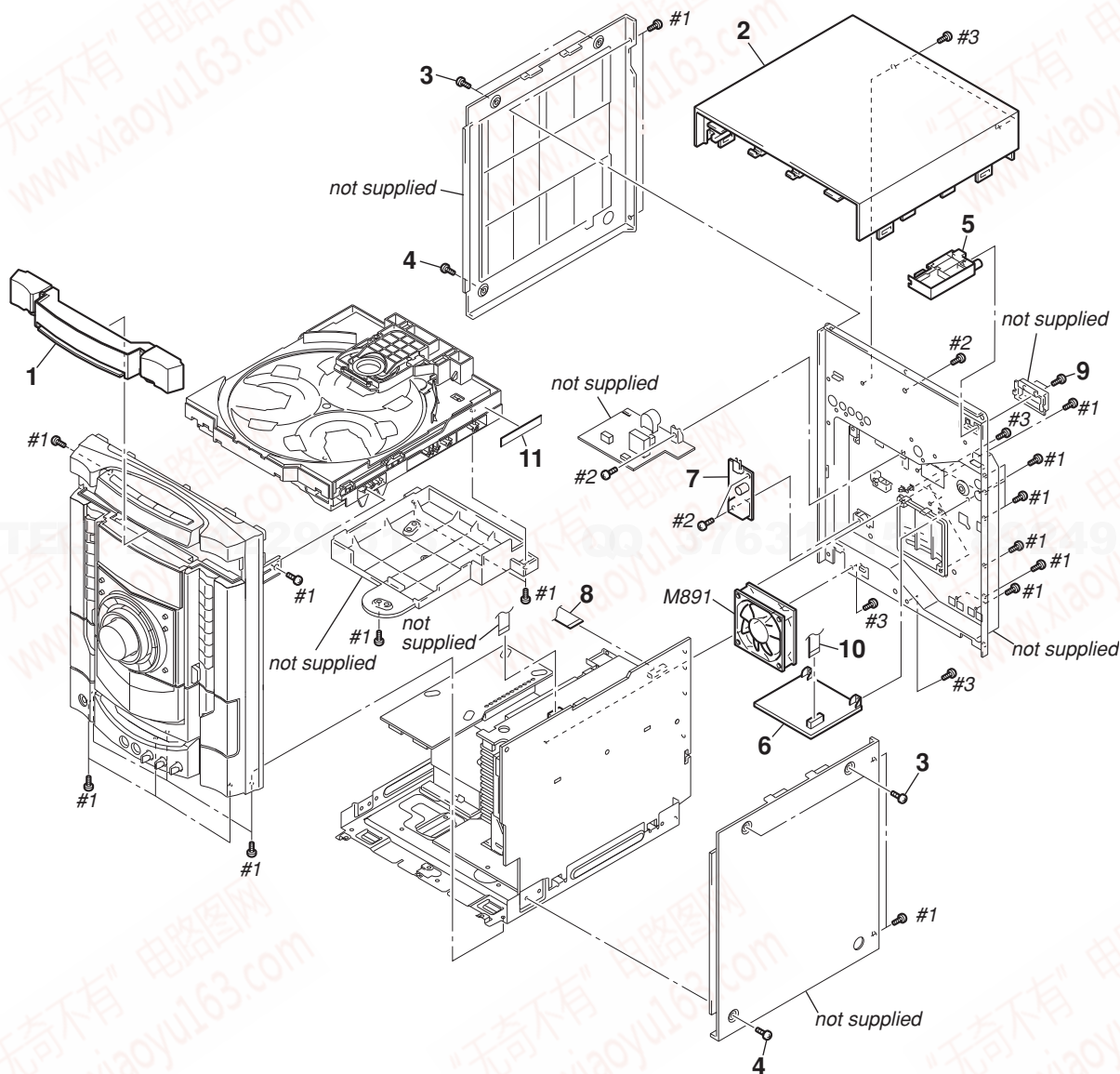
NOTE:

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

- Hardware (# mark) list and accessories are given in the last of this parts list.
- Abbreviation
AR : Argentina model
AUS : Australian model
E2 : 120V AC Area in E model
E3 : 240V AC Area in E model
E51 : Chilean and Peruvian model

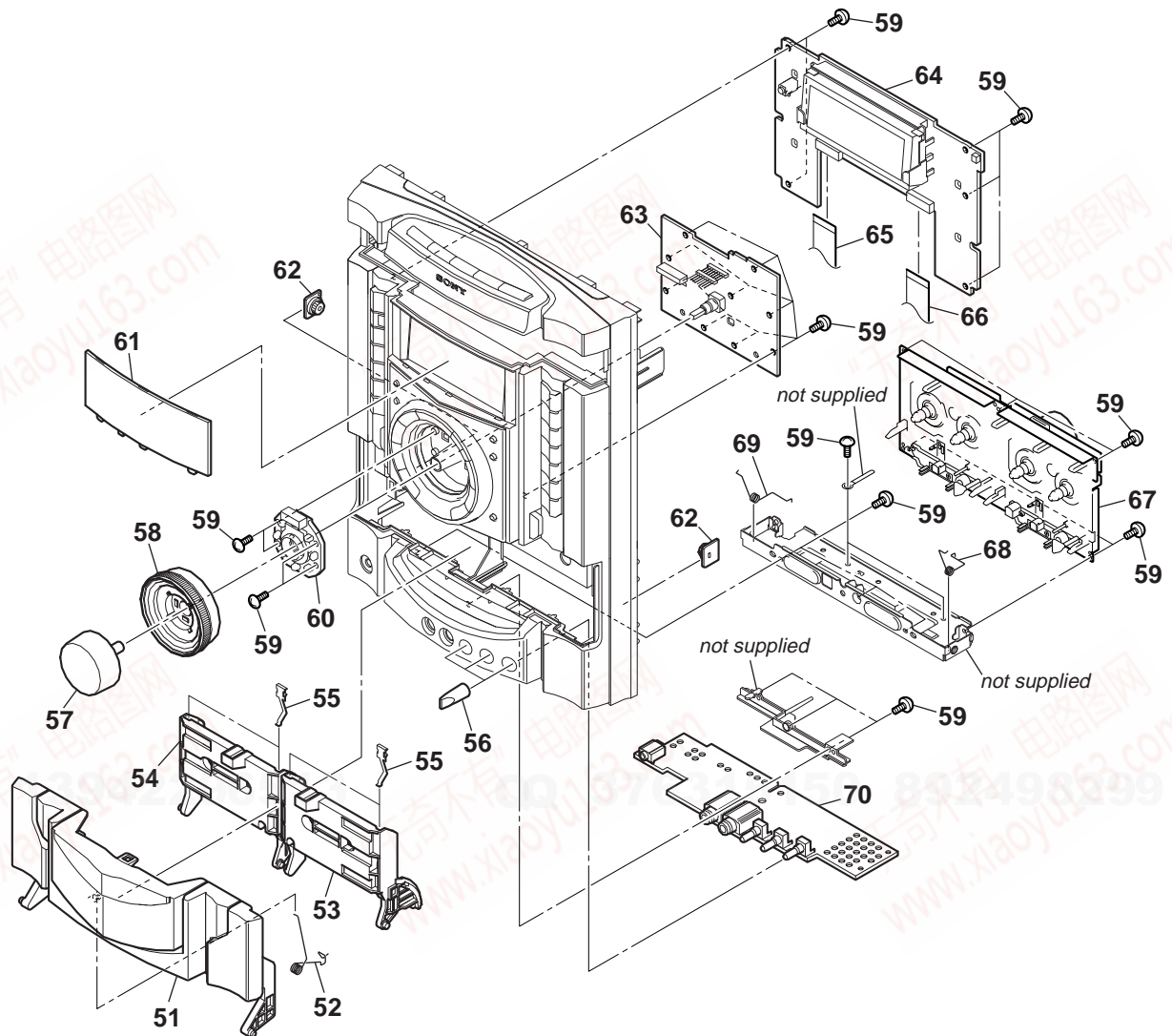
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

8-1. CASE (TOP), BACK PANEL SECTION



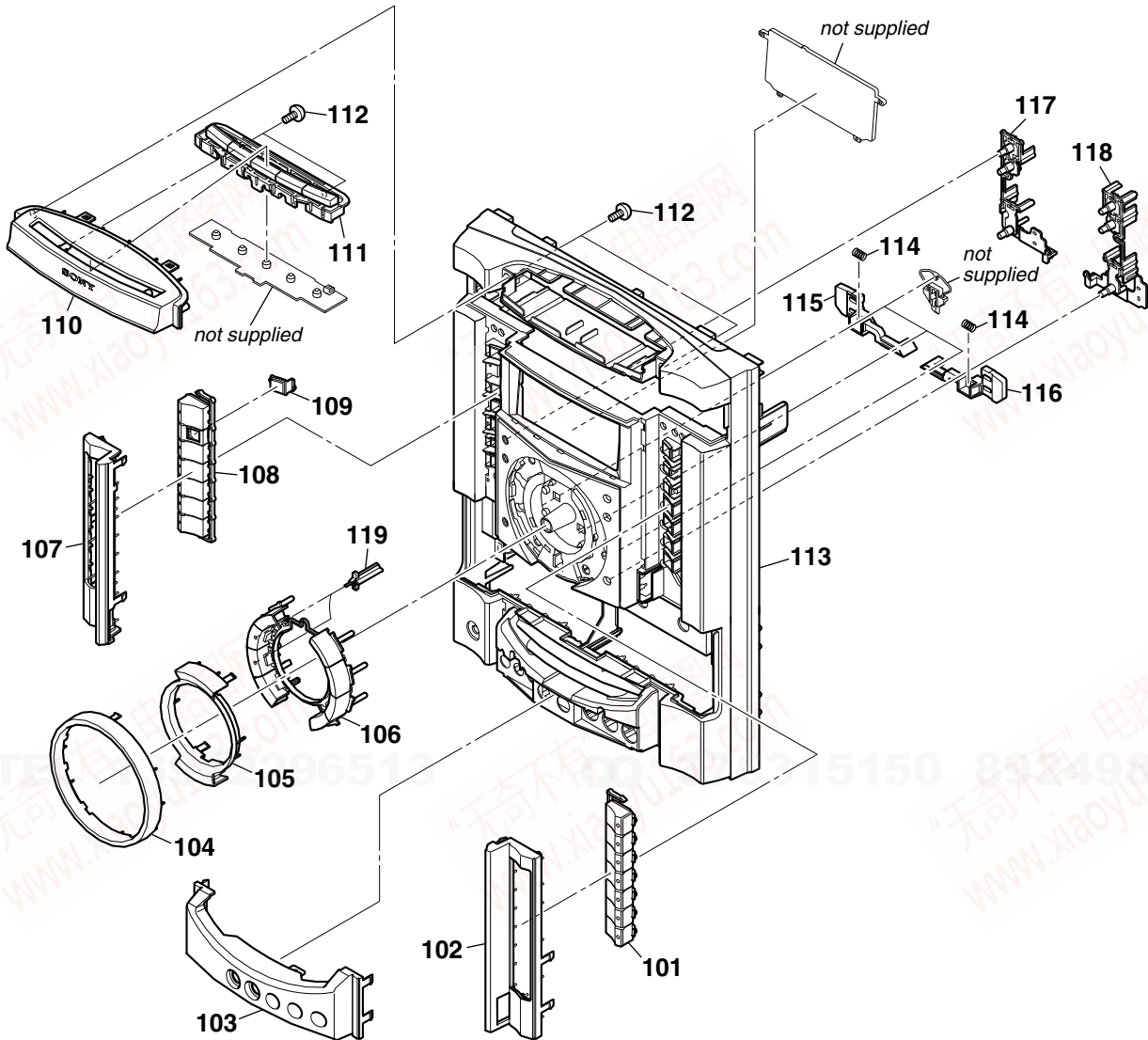
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	2-655-708-01	PANEL, LOADING (GNX800: E2, E51, AR)		8	1-824-048-12	WIRE (FLAT TYPE) (27 CORE)	
1	2-655-708-11	PANEL, LOADING (GNX700: E2, E51)		9	3-077-331-21	+BV3 (3-CR)	
1	2-655-708-71	PANEL, LOADING (GNX800: E3, AUS)		10	1-823-718-11	WIRE (FLAT TYPE) (17 CORE) (100mm)	
1	2-655-708-81	PANEL, LOADING (GNX700: E3)		11	3-378-109-12	CUSHION, SARANET	
2	2-342-117-01	CASE (TOP)		M891	1-787-400-11	D.C. FAN	
3	3-363-099-32	SCREW (CASE 3 TP2)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
4	3-363-099-02	SCREW (CASE 3 TP2)		#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
5	1-693-702-21	TUNER (FM/AM) (TM10SE)		#3	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
6	A-1156-257-A	EFFECTOR BOARD, COMPLETE					
\triangle 7	1-468-737-51	POWER SWITCHING					

8-2. FRONT PANEL SECTION-1



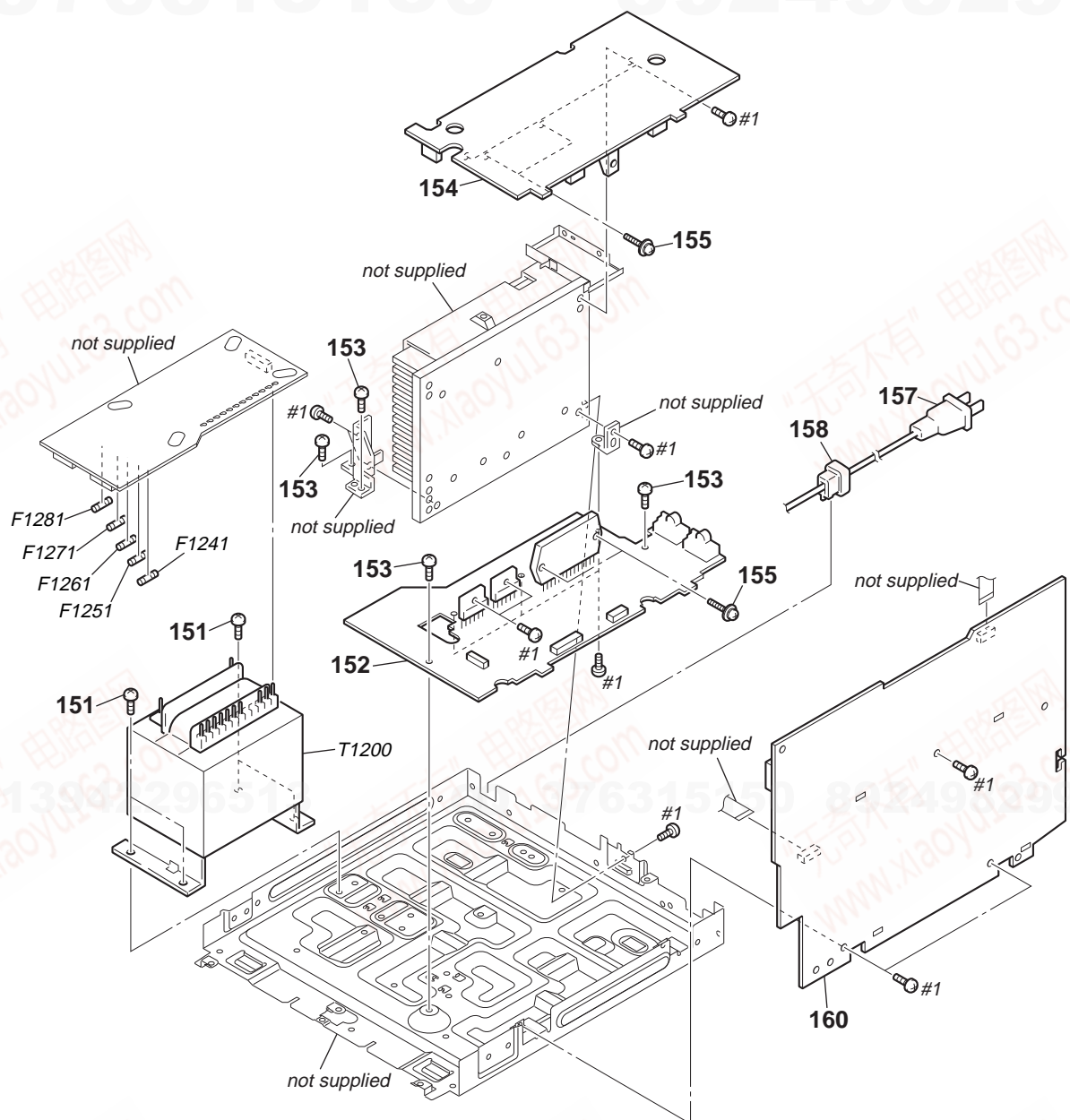
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	2-655-724-01	LID (TC)		61	2-655-717-01	WINDOW (FL)	
52	2-655-732-01	SPRING (LID)		62	4-224-104-11	DAMPER	
53	4-252-579-11	HOLDER (TC-R)		63	A-1156-227-A	FUNCTION BOARD, COMPLETE	
54	4-252-578-11	HOLDER (TC-L)		64	A-1156-224-A	PANEL BOARD, COMPLETE	
55	4-959-229-11	DETENT, CASSETTE		65	1-828-990-11	WIRE (FLAT TYPE) (17 CORE) (80mm)	
56	4-224-578-31	KNOB (MIC)		66	1-828-991-11	WIRE (FLAT TYPE) (17 CORE) (100mm)	
57	4-252-575-01	KNOB VOL		67	1-417-656-11	MECHA DECK (CWN42FF601)	
58	X-2103-230-1	KNOB JOG ASSY		68	2-655-734-01	SPRING (R)	
59	3-087-053-01	+BVTP2.6 (3CR)		69	2-655-733-01	SPRING (L)	
60	A-1156-244-A	JOG BOARD, COMPLETE		70	A-1156-233-A	MIC BOARD, COMPLETE	

8-3. FRONT PANEL SECTION-2



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	2-655-711-01	BUTTON (PLAY)		110	2-655-707-01	ESCUTCHEON (CD)	
102	2-655-713-01	ESCUTCHEON (R)		111	2-655-709-01	BUTTON (DISC)	
103	2-655-730-01	ESCUTCHEON (MIC)		112	3-087-053-01	+BVTP2.6 (3CR)	
104	2-655-718-01	RING (VOL)		113	2-655-705-01	PANEL, FRONT	
105	2-655-722-01	BASE (VOL)		114	4-244-092-01	SPRING (EJECT)	
106	2-655-723-01	BUTTON (EQ) (GNX800)		115	2-655-728-01	BUTTON (EJECT A)	
106	2-655-723-11	BUTTON (EQ) (GNX700)		116	2-655-729-01	BUTTON (EJECT B)	
107	2-655-712-01	ESCUTCHEON (L)		117	2-655-715-01	BUTTON (DISPLAY)	
108	2-655-710-01	BUTTON (POWER)		118	2-655-714-01	BUTTON (MODE)	
109	2-655-716-01	INDICATOR (REMOTE)		119	2-655-731-01	INDICATOR (EQ)	

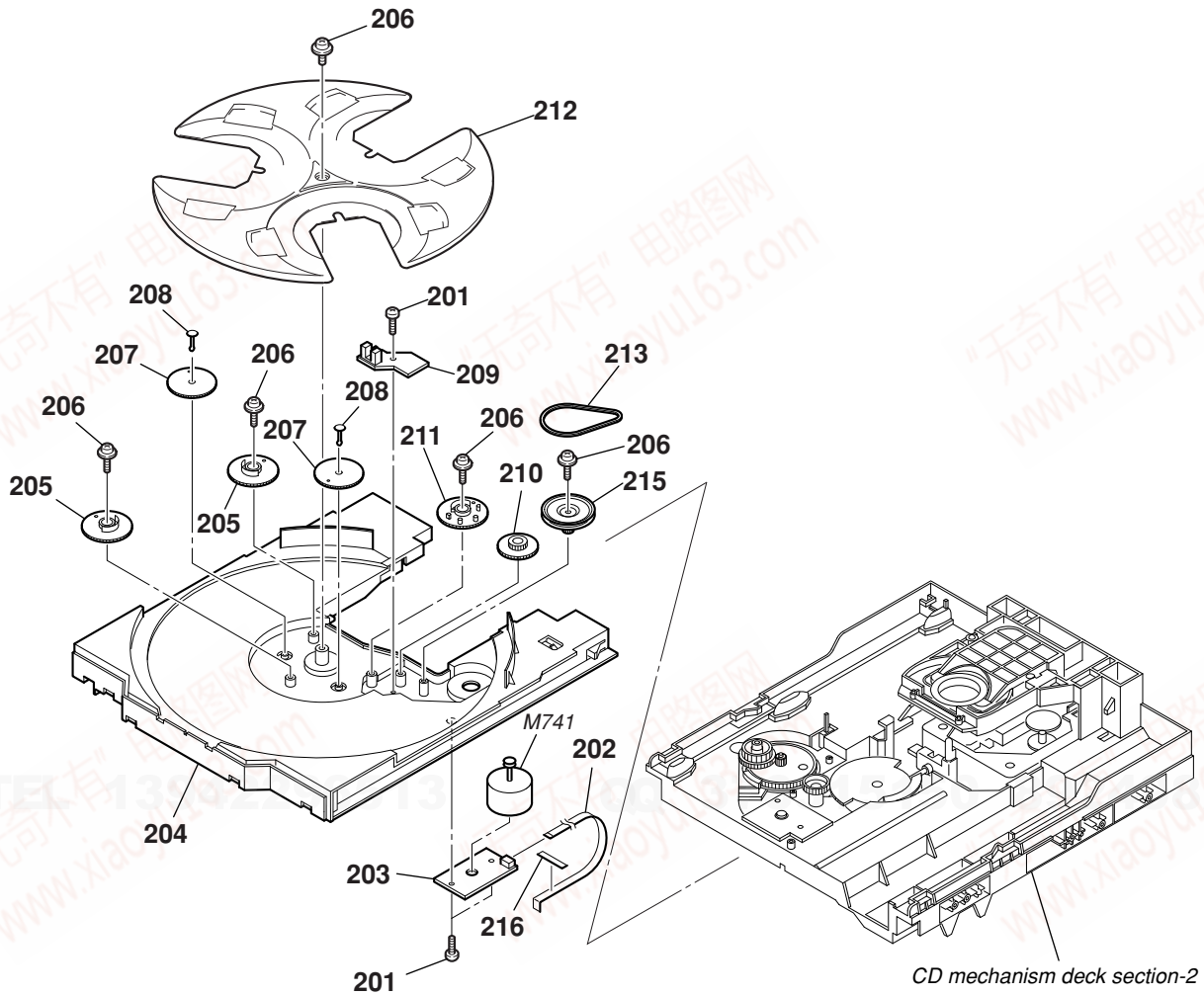
8-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
151	4-900-386-01	SCREW		160	A-1174-067-A	MAIN BOARD, COMPLETE (GNX800: E3)	
152	A-1156-247-A	PA BOARD, COMPLETE (GNX700: E2, E51)		160	A-1174-073-A	MAIN BOARD, COMPLETE (GNX800:AR)	
152	A-1156-261-A	PA BOARD, COMPLETE (GNX800: E2, E51, AR)		160	A-1174-317-A	MAIN BOARD, COMPLETE (GNX800:AUS)	
152	A-1178-475-A	PA BOARD, COMPLETE (GNX800: E3, AUS)		160	A-1178-442-A	MAIN BOARD, COMPLETE (GNX700: E3)	
152	A-1178-478-A	PA BOARD, COMPLETE (GNX700: E3)		160	A-1188-344-A	MAIN BOARD, COMPLETE (GNX800: E51)	
153	3-077-331-21	+BV3 (3-CR)		160	A-1188-363-A	MAIN BOARD, COMPLETE (GNX700: E51)	
154	A-1156-249-A	SURROUND BOARD, COMPLETE (GNX800)		△F1241	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
154	A-1156-252-A	SURROUND BOARD, COMPLETE (GNX700)		△F1251	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
155	3-905-609-31	SCREW (TRANSISTOR)		△F1261	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
△157	1-777-071-53	CORD, POWER (E2, E3, E51)		△F1271	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
△157	1-783-941-12	CORD, POWER (AR)		△F1281	1-532-465-33	FUSE (T3.15AL/250V)	
△157	1-827-295-22	CORD, POWER (AUS)		△T1200	1-443-538-11	POWER TRANSFORMER (GNX800)	
*	3-703-244-00	BUSHING (2104), CORD		△T1200	1-443-972-11	POWER TRANSFORMER (GNX700)	
160	A-1156-216-A	MAIN BOARD, COMPLETE (GNX800: E2)					
160	A-1156-472-A	MAIN BOARD, COMPLETE (GNX700: E2)					

HCD-GNX700/GNX800

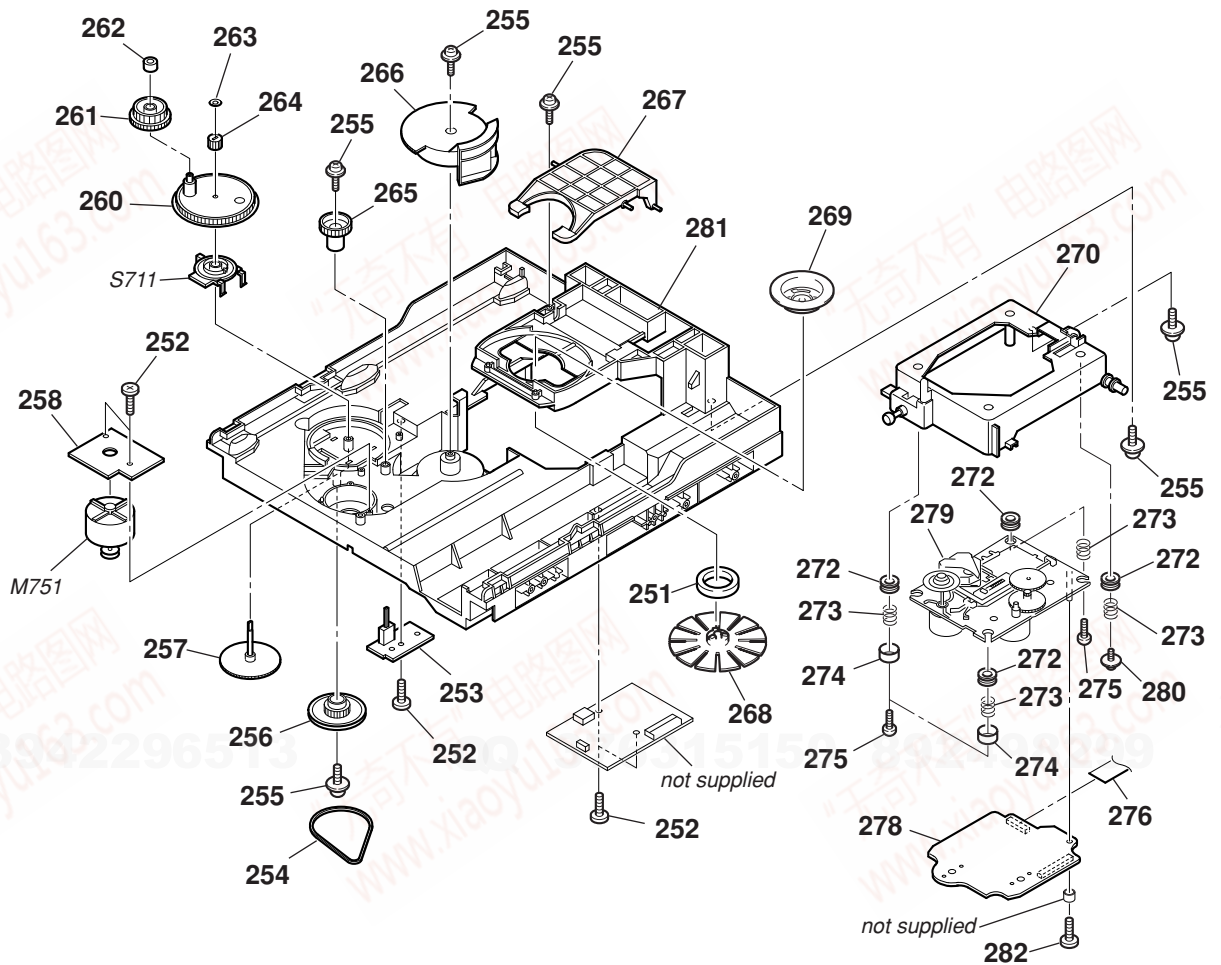
8-5. CD MECHANISM DECK SECTION-1 (CDM74KF-F1BD81A)



Ref. No.	Part No.	Description	Remarks
201	4-218-253-32	SCREW (M2.6), +BTTP	
202	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
203	1-687-134-12	MOTOR (TB) BOARD	
204	4-243-815-01	TABLE (LOADING)	
205	4-245-571-02	GEAR (STOPPER)	
206	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
207	4-245-570-01	GEAR (JOINT)	
208	4-245-572-01	BUSHING (GEAR)	

Ref. No.	Part No.	Description	Remarks
209	1-687-132-12	SENSOR BOARD	
210	4-243-820-01	GEAR (TABLE)	
211	4-243-819-01	GEAR (GENEVA)	
212	4-243-816-01	TRAY	
213	4-243-823-01	BELT (TABLE)	
215	4-243-821-01	PULLEY (TABLE)	
216	3-231-598-01	SHEET (BA)	
M741	A-1108-965-A	MOTOR ASSY, TABLE (TABLE)	

8-6. CD MECHANISM DECK SECTION-2
(CDM74KF-F1BD81A)



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
251	1-471-035-11	MAGNET ASSY		268	X-4955-774-2	PULLEY (SM) ASSY, CHUCKING	
252	4-218-253-52	SCREW (M2.6), +BTTP		269	4-221-688-01	PULLEY (B), CHUCKING	
253	1-687-669-12	SW BOARD		270	X-2055-190-1	HOLDER (213) ASSY	
254	4-244-034-01	BELT (LOADING)		272	4-227-549-11	INSULATOR	
255	4-218-252-52	SCREW (+PTPWH M2.6), FLOATING		273	4-227-045-11	SPRING (INSULATOR), COIL	
256	4-225-844-01	GEAR (LOADING A)		274	4-231-151-01	STOPPER (BU)	
257	4-224-613-01	GEAR (SHAFT)		275	4-218-253-42	SCREW (M2.6), +BTTP	
258	1-687-133-12	MOTOR (LD) BOARD		276	1-832-404-21	CABLE, FLEXIBLE FLAT (16 CORE)	
260	4-244-108-01	GEAR, SWING		278	A-4751-045-A	CD BOARD, COMPLETE	
261	4-224-609-01	GEAR (LOADING C)		△279	8-820-244-01	OPTICAL PICK-UP KSM-215DCP/C2NP	
262	4-224-608-01	COLLAR, SWING		280	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
263	3-016-533-11	WASHER (FR), STOPPER		281	4-243-817-22	CHASSIS	
264	4-224-611-01	GEAR (LOADING B)		282	3-087-053-01	+BVTP2.6 (3CR)	
265	4-224-606-01	GEAR (RV)		M751	A-4737-553-A	MOTOR ASSY, LOADING (TABLE LOADING)	
266	4-243-818-01	GEAR (U/D)		S711	1-477-680-12	ENCODER, ROTARY	
267	4-243-822-02	LEVER (LIFTER)					

HCD-GNX700/GNX800

SECTION 9
ELECTRICAL PARTS LIST

CD

NOTE:

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

- COILS
uH: μH
- SEMICONDUCTORS
In each case, u: μ, for example:
uA...: μA... , uPA... , μPA... ,
uPB... , μPB... , uPC... , μPC... ,
uPD... , μPD...
- Abbreviation
AR : Argentina model
AUS : Australian model
E2 : 120V AC Area in E model
E3 : 240V AC Area in E model
E51 : Chilean and Peruvian 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	Remarks	Ref. No.	Part No.	Description	Remarks
	A-4751-045-A	CD BOARD, COMPLETE *****		C195	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		< CAPACITOR >		C196	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C10	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	C201	1-128-995-21	ELECT CHIP 100uF	20% 10V
C11	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	C203	1-128-995-21	ELECT CHIP 100uF	20% 10V
C14	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C209	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C15	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C210	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C16	1-115-156-11	CERAMIC CHIP 1uF	10V	C211	1-164-230-11	CERAMIC CHIP 220PF	5% 50V
C17	1-126-246-11	ELECT CHIP 220uF	20% 4V	C212	1-162-919-11	CERAMIC CHIP 22PF	5% 50V
C18	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C213	1-162-919-11	CERAMIC CHIP 22PF	5% 50V
C111	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V	C251	1-162-969-11	CERAMIC CHIP 0.0068uF	10% 25V
C112	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	C252	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C113	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V	C255	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C114	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	C257	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C115	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C258	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C116	1-128-995-21	ELECT CHIP 100uF	20% 10V	C259	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C122	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	C260	1-128-394-11	ELECT CHIP 220uF	20% 10V
C123	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	C302	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C124	1-162-959-11	CERAMIC CHIP 330PF	5% 50V	C303	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C125	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C305	1-126-246-11	ELECT CHIP 220uF	20% 4V
C131	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	C306	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C132	1-117-863-11	CERAMIC CHIP 0.47uF	10% 6.3V	C307	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C133	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	C308	1-126-208-21	ELECT CHIP 47uF	20% 4V
C134	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C309	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C141	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	C310	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C142	1-162-965-11	CERAMIC CHIP 0.0015uF	10% 50V	C311	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C143	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C312	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C151	1-128-995-21	ELECT CHIP 100uF	20% 10V	C313	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C161	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C314	1-126-208-21	ELECT CHIP 47uF	20% 4V
C162	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C315	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C163	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C316	1-162-966-11	CERAMIC CHIP 0.0022uF	10% 50V
C171	1-162-919-11	CERAMIC CHIP 22PF	5% 50V	C317	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C172	1-162-920-11	CERAMIC CHIP 27PF	5% 50V	C318	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C174	1-164-360-11	CERAMIC CHIP 0.1uF	16V	C320	1-216-864-11	SHORT CHIP 0	
C181	1-164-360-11	CERAMIC CHIP 0.1uF	16V			< CONNECTOR >	
C182	1-164-360-11	CERAMIC CHIP 0.1uF	16V	CN101	1-770-425-51	CONNECTOR, FFC/FPC 16P	
C183	1-124-778-00	ELECT CHIP 22uF	20% 6.3V	CN201	1-818-350-51	CONNECTOR, FFC (LIF (NON-ZIF)) 27P	
C184	1-124-778-00	ELECT CHIP 22uF	20% 6.3V			< FERRITE BEAD >	
C185	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	FB301	1-500-445-21	FERRITE, EMI (SMD) (2012)	
C186	1-164-315-11	CERAMIC CHIP 470PF	5% 50V				
C194	1-164-360-11	CERAMIC CHIP 0.1uF	16V				

CD CD-SW DRIVER

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< IC >		R404	1-216-809-11	METAL CHIP 100 5%	1/10W
IC101	8-752-425-12	IC CXD3059AR		R405	1-216-809-11	METAL CHIP 100 5%	1/10W
IC251	6-705-808-01	IC BA5947FM-E2		R406	1-216-809-11	METAL CHIP 100 5%	1/10W
IC301	6-705-365-01	IC TC94A34FG-002		R407	1-216-809-11	METAL CHIP 100 5%	1/10W
IC303	6-705-807-01	IC BH15FB1WG		R408	1-216-809-11	METAL CHIP 100 5%	1/10W
		< TRANSISTOR >		R409	1-216-809-11	METAL CHIP 100 5%	1/10W
Q10	6-551-120-01	TRANSISTOR 2SA2119K		R410	1-216-809-11	METAL CHIP 100 5%	1/10W
		< RESISTOR >		R411	1-216-809-11	METAL CHIP 100 5%	1/10W
R10	1-216-791-11	METAL CHIP 3.3	5% 1/10W	R412	1-216-809-11	METAL CHIP 100 5%	1/10W
R11	1-216-864-11	SHORT CHIP 0		R419	1-216-809-11	METAL CHIP 100 5%	1/10W
R12	1-216-845-11	METAL CHIP 100K	5% 1/10W	R502	1-216-864-11	SHORT CHIP 0	
R13	1-218-446-11	METAL CHIP 1	5% 1/10W			< SWITCH >	
R111	1-216-821-11	METAL CHIP 1K	5% 1/10W	S101	1-771-853-11	SWITCH, DETECTION (LIMIT)	
R112	1-216-835-11	METAL CHIP 15K	5% 1/10W			< VIBRATOR >	
R113	1-216-821-11	METAL CHIP 1K	5% 1/10W	X171	1-767-408-21	VIBRATOR, CRYSTAL (16.9344 MHz)	
R114	1-216-835-11	METAL CHIP 15K	5% 1/10W			*****	
R121	1-216-835-11	METAL CHIP 15K	5% 1/10W			CD-SW BOARD	
R131	1-216-857-11	METAL CHIP 1M	5% 1/10W			*****	
R132	1-216-833-11	METAL CHIP 10K	5% 1/10W			< RESISTOR >	
R133	1-216-848-11	METAL CHIP 180K	5% 1/10W	R1166	1-216-817-11	METAL CHIP 470 5%	1/10W
R141	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R1167	1-216-819-11	METAL CHIP 680 5%	1/10W
R142	1-216-821-11	METAL CHIP 1K	5% 1/10W	R1168	1-216-821-11	METAL CHIP 1K 5%	1/10W
R143	1-216-827-11	METAL CHIP 3.3K	5% 1/10W	R1169	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
R151	1-216-864-11	SHORT CHIP 0		R1170	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
R161	1-216-809-11	METAL CHIP 100	5% 1/10W			< SWITCH >	
R162	1-216-841-11	METAL CHIP 47K	5% 1/10W	S1166	1-762-875-21	SWITCH, KEYBOARD (▲OPEN/CLOSE)	
R163	1-216-809-11	METAL CHIP 100	5% 1/10W	S1167	1-762-875-21	SWITCH, KEYBOARD (EX-CHANGE/DISC SKIP)	
R165	1-216-864-11	SHORT CHIP 0		S1168	1-762-875-21	SWITCH, KEYBOARD (DISC 3)	
R171	1-216-817-11	METAL CHIP 470	5% 1/10W	S1169	1-762-875-21	SWITCH, KEYBOARD (DISC 2)	
R172	1-216-857-11	METAL CHIP 1M	5% 1/10W	S1170	1-762-875-21	SWITCH, KEYBOARD (DISC 1)	
R173	1-216-295-91	SHORT CHIP 0				*****	
R181	1-216-809-11	METAL CHIP 100	5% 1/10W			DRIVER BOARD	
R182	1-216-809-11	METAL CHIP 100	5% 1/10W			*****	
R191	1-216-864-11	SHORT CHIP 0				< CAPACITOR >	
R201	1-500-445-21	FERRITE, EMI (SMD) (2012)		C715	1-126-933-11	ELECT 100uF 20%	16V
R203	1-216-864-11	SHORT CHIP 0		C731	1-126-964-11	ELECT 10uF 20%	50V
R204	1-500-445-21	FERRITE, EMI (SMD) (2012)		C735	1-164-159-11	CERAMIC 0.1uF	50V
R205	1-216-864-11	SHORT CHIP 0		C736	1-164-159-11	CERAMIC 0.1uF	50V
R251	1-216-833-11	METAL CHIP 10K	5% 1/10W	C737	1-164-159-11	CERAMIC 0.1uF	50V
R252	1-216-837-11	METAL CHIP 22K	5% 1/10W	C741	1-162-306-11	CERAMIC 0.01uF 20%	16V
R253	1-216-833-11	METAL CHIP 10K	5% 1/10W	C751	1-162-306-11	CERAMIC 0.01uF 20%	16V
R301	1-216-845-11	METAL CHIP 100K	5% 1/10W	C752	1-164-159-11	CERAMIC 0.1uF	50V
R302	1-216-833-11	METAL CHIP 10K	5% 1/10W			< CONNECTOR >	
R303	1-216-845-11	METAL CHIP 100K	5% 1/10W	CN701	1-784-735-11	CONNECTOR, FFC 13P	
R305	1-216-845-11	METAL CHIP 100K	5% 1/10W	CN702	1-784-766-11	CONNECTOR, FFC 5P	
R306	1-216-864-11	SHORT CHIP 0		* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
R307	1-216-833-11	METAL CHIP 10K	5% 1/10W	CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P	
R313	1-216-813-11	METAL CHIP 220	5% 1/10W			< DIODE >	
R351	1-216-809-11	METAL CHIP 100	5% 1/10W	D701	8-719-947-16	DIODE MTZJ-T-72-5.1A	
R352	1-216-809-11	METAL CHIP 100	5% 1/10W	D711	8-719-983-66	DIODE MTZJ-T-72-3.6B	
R353	1-216-809-11	METAL CHIP 100	5% 1/10W				
R354	1-216-809-11	METAL CHIP 100	5% 1/10W				
R401	1-216-809-11	METAL CHIP 100	5% 1/10W				
R402	1-216-809-11	METAL CHIP 100	5% 1/10W				
R403	1-216-809-11	METAL CHIP 100	5% 1/10W				

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DRIVER **EFFECTOR**

Ref. No.	Part No.	Description	Remarks
		< IC >	
IC701	8-759-598-69	IC BA6956AN	
IC712	8-759-598-69	IC BA6956AN	
		< TRANSISTOR >	
Q731	8-729-029-66	TRANSISTOR DTC114ESA	
		< RESISTOR >	
R701	1-249-413-11	CARBON 470 5% 1/4W	
R702	1-247-807-31	CARBON 100 5% 1/4W	
R711	1-247-831-91	CARBON 1K 5% 1/4W	
R712	1-247-847-91	CARBON 4.7K 5% 1/4W	
R713	1-247-863-91	CARBON 22K 5% 1/4W	
R721	1-247-847-91	CARBON 4.7K 5% 1/4W	
R722	1-247-847-91	CARBON 4.7K 5% 1/4W	
R723	1-247-847-91	CARBON 4.7K 5% 1/4W	
R731	1-247-807-31	CARBON 100 5% 1/4W	
R732	1-249-429-11	CARBON 10K 5% 1/4W	
R733	1-247-831-91	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	1-247-847-91	CARBON 4.7K 5% 1/4W	

A-1156-257-A	EFFECTOR BOARD, COMPLETE		

		< CAPACITOR >	
C1506	1-136-495-11	FILM 0.068uF 5% 50V	
C1507	1-136-495-11	FILM 0.068uF 5% 50V	
C1509	1-162-905-11	CERAMIC CHIP 1PF 0.25PF 50V	
C1512	1-107-714-11	ELECT 10uF 20% 50V	
C1513	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1515	1-126-947-11	ELECT 47uF 20% 35V	
C1516	1-136-495-11	FILM 0.068uF 5% 50V	
C1517	1-162-965-11	CERAMIC CHIP 0.0015uF 10% 50V	
C1519	1-126-964-11	ELECT 10uF 20% 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	
C1523	1-136-495-11	FILM 0.068uF 5% 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	
C1529	1-107-726-91	CERAMIC CHIP 0.01uF 10% 16V	
C1530	1-136-159-00	FILM 0.033uF 5% 50V	
C1542	1-130-479-00	MYLAR 0.0047uF 5% 50V	
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	
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	

Ref. No.	Part No.	Description	Remarks
C1568	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1569	1-126-964-11	ELECT 10uF 20% 50V	
C1570	1-126-964-11	ELECT 10uF 20% 50V	
C1571	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1572	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C1576	1-126-964-11	ELECT 10uF 20% 50V	
C1578	1-126-964-11	ELECT 10uF 20% 50V	
C1584	1-104-658-91	ELECT 100uF 20% 10V	
C1601	1-126-964-11	ELECT 10uF 20% 50V	
C1602	1-126-964-11	ELECT 10uF 20% 50V	
		< CONNECTOR >	
CN1501	1-779-285-11	CONNECTOR, FFC (LIF (NON-ZIF)) 17P	
		< DIODE >	
D1502	8-719-069-56	DIODE UDZSTE-176.2B	
		< IC >	
IC1500	8-759-710-97	IC NJM4565M-D	
IC1501	8-759-496-41	IC M65850FP-E1	
IC1503	6-709-217-01	IC TC74LVX4051FT	
IC1505	8-759-710-97	IC NJM4565M-D	
IC1506	6-709-218-01	IC TC74LVX4052FT	
		< COIL >	
L1500	1-414-183-41	INDUCTOR 10uH	
		< TRANSISTOR >	
Q1502	8-729-055-10	TRANSISTOR 2SK3378ENTL	
Q1506	8-729-055-10	TRANSISTOR 2SK3378ENTL	
Q1507	8-729-056-46	TRANSISTOR 2SC5053T100Q	
Q1508	8-729-055-10	TRANSISTOR 2SK3378ENTL	
Q1509	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1510	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	
R1500	1-216-809-11	METAL CHIP 100 5% 1/10W	
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	
R1505	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1508	1-216-833-11	METAL CHIP 10K 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	
R1516	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1517	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1519	1-216-864-11	SHORT CHIP 0	
R1520	1-216-864-11	SHORT CHIP 0	
R1522	1-216-864-11	SHORT CHIP 0	
R1525	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1526	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1527	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1528	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1529	1-216-845-11	METAL CHIP 100K 5% 1/10W	

EFFECTOR

FUNCTION

JOG

Ref. No.	Part No.	Description	Quantity	Value	Remarks
R1530	1-216-815-11	METAL CHIP	330	5%	1/10W
R1531	1-216-817-11	METAL CHIP	470	5%	1/10W
R1532	1-216-820-11	METAL CHIP	820	5%	1/10W
R1533	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R1534	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1535	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R1536	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R1537	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1538	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1546	1-216-836-11	METAL CHIP	18K	5%	1/10W
R1547	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1549	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1550	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1558	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1559	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1560	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1565	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1566	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1567	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1568	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1569	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1570	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1571	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1572	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1573	1-216-819-11	METAL CHIP	680	5%	1/10W
R1574	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1575	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1576	1-216-819-11	METAL CHIP	680	5%	1/10W
R1579	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1580	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1581	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1582	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1584	1-216-864-11	SHORT CHIP	0		
R1585	1-216-864-11	SHORT CHIP	0		
R1586	1-216-864-11	SHORT CHIP	0		
R1589	1-216-803-11	METAL CHIP	33	5%	1/10W
R1590	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1591	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1592	1-216-864-11	SHORT CHIP	0		
R1594	1-216-864-11	SHORT CHIP	0		
R1595	1-216-864-11	SHORT CHIP	0		
R1600	1-216-864-11	SHORT CHIP	0		
R1602	1-216-864-11	SHORT CHIP	0		
R1604	1-216-864-11	SHORT CHIP	0		
R1606	1-216-864-11	SHORT CHIP	0		

A-1156-227-A		FUNCTION BOARD, COMPLETE			

< CAPACITOR >					
C907	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C965	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C966	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C969	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C970	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C971	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description	Quantity	Value	Remarks
C976	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C984	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
< CONNECTOR >					
* CN901	1-569-934-11	SOCKET, CONNECTOR 17P			
CNS902	1-820-050-11	BOARD TO BOARD HEADER (8P)			
< DIODE >					
D1017	6-500-725-01	DIODE SLR-343VCT32 (DELAY)			
D1020	6-500-725-01	DIODE SLR-343VCT32 (FLANGER)			
< JUMPER RESISTOR >					
JR921	1-216-864-11	SHORT CHIP	0		
JR923	1-216-864-11	SHORT CHIP	0		
< TRANSISTOR >					
Q921	8-729-027-50	TRANSISTOR DTC123JKA-T146			
< RESISTOR >					
R958	1-216-819-11	METAL CHIP	680	5%	1/10W
R959	1-216-821-11	METAL CHIP	1K	5%	1/10W
R960	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R961	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R962	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R963	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R972	1-216-821-11	METAL CHIP	1K	5%	1/10W
R973	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1001	1-216-817-11	METAL CHIP	470	5%	1/10W
R1002	1-216-819-11	METAL CHIP	680	5%	1/10W
R1003	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1004	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1005	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1006	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1014	1-216-817-11	METAL CHIP	470	5%	1/10W
R1018	1-216-819-11	METAL CHIP	680	5%	1/10W
R1186	1-216-814-11	METAL CHIP	270	5%	1/10W
< SWITCH >					
S901	1-762-875-21	SWITCH, KEYBOARD (MP3 BOOSTER)			
S902	1-762-875-21	SWITCH, KEYBOARD (GROOVE)			
S903	1-762-875-21	SWITCH, KEYBOARD (EQ BAND)			
S904	1-762-875-21	SWITCH, KEYBOARD (DIRECTION MPX)			
S905	1-762-875-21	SWITCH, KEYBOARD (REC PAUSE/START)			
S906	1-762-875-21	SWITCH, KEYBOARD (CD SYNC)			
S914	1-762-875-21	SWITCH, KEYBOARD (ENTER)			
S915	1-762-875-21	SWITCH, KEYBOARD (SOUND FLASH)			
S916	1-762-875-21	SWITCH, KEYBOARD (DELAY)			
S917	1-762-875-21	SWITCH, KEYBOARD (FLANGER)			
S918	1-762-875-21	SWITCH, KEYBOARD (SURROUND SPEAKER MODE)			
S919	1-762-875-21	SWITCH, KEYBOARD (ILLUMINATION)			
S920	1-762-875-21	SWITCH, KEYBOARD (AMP MENU)			
S928	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)			
S970	1-418-725-51	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			

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JOG **MAIN**

Ref. No.	Part No.	Description	Remarks
	A-1156-244-A	JOG BOARD, COMPLETE *****	
		< CAPACITOR >	
C1150	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
		< CONNECTOR >	
CNS903	1-562-573-31	SOCKET, CONNECTOR 8P	
		< DIODE >	
D919	6-500-809-01	DIODE SELU5223C-STP15 (VOL 1)	
D920	6-500-809-01	DIODE SELU5223C-STP15 (VOL 2)	
D921	6-500-809-01	DIODE SELU5223C-STP15 (VOL 3)	
D922	6-500-809-01	DIODE SELU5223C-STP15 (VOL 4)	
D923	6-500-809-01	DIODE SELU5223C-STP15 (VOL 5)	
D924	6-500-809-01	DIODE SELU5223C-STP15 (VOL 6)	
D925	6-500-809-01	DIODE SELU5223C-STP15 (VOL 7)	
D926	6-500-809-01	DIODE SELU5223C-STP15 (VOL 8)	
		< JUMPER RESISTOR >	
JR1	1-216-864-11	SHORT CHIP 0	
JR2	1-216-864-11	SHORT CHIP 0	
JR3	1-216-864-11	SHORT CHIP 0	
JR4	1-216-864-11	SHORT CHIP 0	
JR5	1-216-864-11	SHORT CHIP 0	
JR922	1-216-864-11	SHORT CHIP 0	
JR1096	1-216-864-11	SHORT CHIP 0	
		< TRANSISTOR >	
Q911	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q912	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q913	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q915	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	
R1040	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1144	1-216-820-11	METAL CHIP 820 5%	1/10W
R1145	1-216-820-11	METAL CHIP 820 5%	1/10W
R1146	1-216-820-11	METAL CHIP 820 5%	1/10W
R1149	1-216-820-11	METAL CHIP 820 5%	1/10W
R1150	1-216-820-11	METAL CHIP 820 5%	1/10W
R1151	1-216-820-11	METAL CHIP 820 5%	1/10W
R1153	1-216-820-11	METAL CHIP 820 5%	1/10W
R1154	1-216-820-11	METAL CHIP 820 5%	1/10W
R1155	1-216-820-11	METAL CHIP 820 5%	1/10W
R1157	1-216-820-11	METAL CHIP 820 5%	1/10W
R1158	1-216-820-11	METAL CHIP 820 5%	1/10W
R1159	1-216-820-11	METAL CHIP 820 5%	1/10W
R1161	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1162	1-216-809-11	METAL CHIP 100 5%	1/10W
R1163	1-216-809-11	METAL CHIP 100 5%	1/10W
R1164	1-216-809-11	METAL CHIP 100 5%	1/10W
R1165	1-216-809-11	METAL CHIP 100 5%	1/10W
		< SWITCH >	
S1161	1-479-203-11	ENCODER (ROTARY) (OPERATION DIAL)	

Ref. No.	Part No.	Description	Remarks
A-1156-216-A		MAIN BOARD, COMPLETE (GNX800: E2)	
A-1156-472-A		MAIN BOARD, COMPLETE (GNX700: E2)	
A-1174-067-A		MAIN BOARD, COMPLETE (GNX800: E3)	
A-1174-073-A		MAIN BOARD, COMPLETE (GNX800:AR)	
A-1174-317-A		MAIN BOARD, COMPLETE (GNX800:AUS)	
A-1178-442-A		MAIN BOARD, COMPLETE (GNX700: E3)	
A-1188-344-A		MAIN BOARD, COMPLETE (GNX800: E51)	
A-1188-363-A		MAIN BOARD, COMPLETE (GNX700: E51) *****	
7-685-646-79		SCREW +BVTP 3X8 TYPE2 IT-3	
		< CAPACITOR >	
C100	1-104-658-91	ELECT 100uF 20%	10V
C101	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C102	1-126-964-11	ELECT 10uF 20%	50V
C103	1-126-964-11	ELECT 10uF 20%	50V
C104	1-126-964-11	ELECT 10uF 20%	50V
C105	1-126-964-11	ELECT 10uF 20%	50V
C106	1-130-487-00	MYLAR 0.022uF 5%	50V
C107	1-130-487-00	MYLAR 0.022uF 5%	50V
C108	1-130-489-00	MYLAR 0.033uF 5%	50V
C109	1-126-960-11	ELECT 1uF 20%	50V
C110	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V (GNX700)
C110	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V (GNX800)
C111	1-126-964-11	ELECT 10uF 20%	50V
C112	1-137-190-91	FILM 0.22uF 5%	50V (GNX800)
C112	1-136-170-00	FILM 0.27uF 5%	50V (GNX700)
C113	1-136-170-00	FILM 0.27uF 5%	50V
C115	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C116	1-126-176-11	ELECT 220uF 20%	10V
C130	1-126-964-11	ELECT 10uF 20%	50V
C131	1-126-959-11	ELECT 0.47uF 20%	50V
C140	1-130-493-00	MYLAR 0.068uF 5%	50V
C149	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C150	1-126-964-11	ELECT 10uF 20%	50V
C152	1-126-964-11	ELECT 10uF 20%	50V
C153	1-126-964-11	ELECT 10uF 20%	50V
C154	1-126-964-11	ELECT 10uF 20%	50V
C155	1-126-964-11	ELECT 10uF 20%	50V
C156	1-130-487-00	MYLAR 0.022uF 5%	50V
C157	1-130-487-00	MYLAR 0.022uF 5%	50V
C158	1-130-489-00	MYLAR 0.033uF 5%	50V
C159	1-126-960-11	ELECT 1uF 20%	50V
C160	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V (GNX700)
C160	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V (GNX800)
C161	1-126-964-11	ELECT 10uF 20%	50V
C162	1-137-190-91	FILM 0.22uF 5%	50V (GNX800)
C162	1-136-170-00	FILM 0.27uF 5%	50V (GNX700)
C163	1-136-170-00	FILM 0.27uF 5%	50V
C180	1-126-963-11	ELECT 4.7uF 20%	50V
C181	1-126-963-11	ELECT 4.7uF 20%	50V

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C202	1-126-964-11	ELECT	10uF 20% 50V	C382	1-164-670-11	CERAMIC CHIP 1200PF 5% 16V	
C203	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C383	1-162-959-11	CERAMIC CHIP 330PF 5% 50V	
C204	1-126-923-91	ELECT	220uF 20% 10V	C384	1-162-959-11	CERAMIC CHIP 330PF 5% 50V	
C205	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C385	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C206	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C386	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C207	1-126-960-11	ELECT	1uF 20% 50V	C401	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C210	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C405	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C211	1-104-658-91	ELECT	100uF 20% 10V	C410	1-162-919-11	CERAMIC CHIP 22PF 5% 50V	
C220	1-136-497-81	FILM	0.1uF 5% 50V	C411	1-162-919-11	CERAMIC CHIP 22PF 5% 50V	
C221	1-136-497-81	FILM	0.1uF 5% 50V	C412	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C222	1-104-658-91	ELECT	100uF 20% 10V	C416	1-104-656-11	ELECT 2200uF 20% 6.3V	
C223	1-104-658-91	ELECT	100uF 20% 10V	C417	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C230	1-136-497-81	FILM	0.1uF 5% 50V	C419	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C231	1-136-497-81	FILM	0.1uF 5% 50V	C462	1-104-658-91	ELECT 100uF 20% 10V	
C250	1-126-964-11	ELECT	10uF 20% 50V	C464	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C251	1-126-964-11	ELECT	10uF 20% 50V	C497	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C260	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C498	1-126-964-11	ELECT 10uF 20% 50V	
C261	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C499	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C262	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C501	1-126-964-11	ELECT 10uF 20% 50V	
C263	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C502	1-136-497-81	FILM 0.1uF 5% 50V	
C264	1-165-647-91	CERAMIC CHIP	0.47uF 10% 6.3V	C503	1-136-497-81	FILM 0.1uF 5% 50V	
C280	1-126-964-11	ELECT	10uF 20% 50V	C511	1-126-157-11	ELECT 10uF 20% 16V	(E2, E3, E51)
C281	1-126-964-11	ELECT	10uF 20% 50V	C520	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C301	1-136-967-11	FILM	0.012uF 5% 100V	C521	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C303	1-136-497-81	FILM	0.1uF 5% 50V	C522	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C304	1-126-964-11	ELECT	10uF 20% 50V	C523	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C305	1-126-960-11	ELECT	1uF 20% 50V	C524	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C306	1-126-961-11	ELECT	2.2uF 20% 50V	C525	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C307	1-126-964-11	ELECT	10uF 20% 50V	C534	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C308	1-126-925-91	ELECT	470uF 20% 10V	C535	1-126-926-11	ELECT 1000uF 20% 10V	
C309	1-126-947-11	ELECT	47uF 20% 35V	C537	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C310	1-126-964-11	ELECT	10uF 20% 50V	C538	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C311	1-126-964-11	ELECT	10uF 20% 50V	C539	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C312	1-126-964-11	ELECT	10uF 20% 50V	C540	1-126-960-11	ELECT 1uF 20% 50V	
C314	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C541	1-126-960-11	ELECT 1uF 20% 50V	
C340	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	C544	1-126-960-11	ELECT 1uF 20% 50V	
C341	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	C545	1-126-960-11	ELECT 1uF 20% 50V	
C351	1-136-967-11	FILM	0.012uF 5% 100V	C546	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C353	1-136-497-81	FILM	0.1uF 5% 50V	C547	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
C354	1-126-157-11	ELECT	10uF 20% 16V	C550	1-126-933-11	ELECT 100uF 20% 16V	
C355	1-126-960-11	ELECT	1uF 20% 50V	C551	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C356	1-126-961-11	ELECT	2.2uF 20% 50V	C552	1-126-961-11	ELECT 2.2uF 20% 50V	
C359	1-126-947-11	ELECT	47uF 20% 35V	C553	1-126-942-61	ELECT 1000uF 20% 25V	
C361	1-126-964-11	ELECT	10uF 20% 50V	C560	1-130-483-00	MYLAR 0.01uF 5% 50V	
C364	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C561	1-130-483-00	MYLAR 0.01uF 5% 50V	
C370	1-137-150-11	FILM	0.01uF 5% 100V	C562	1-126-933-11	ELECT 100uF 20% 16V	
C371	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	C563	1-126-925-91	ELECT 470uF 20% 10V	
C372	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C564	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C373	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C565	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C374	1-126-947-11	ELECT	47uF 20% 35V	C566	1-128-548-11	ELECT 4700uF 20% 25V	
C375	1-162-963-11	CERAMIC CHIP	680PF 10% 50V	C567	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C376	1-162-963-11	CERAMIC CHIP	680PF 10% 50V	C568	1-126-916-11	ELECT 1000uF 20% 6.3V	
C377	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C580	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C378	1-162-928-11	CERAMIC CHIP	120PF 5% 50V	C581	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C379	1-130-481-00	MYLAR	0.0068uF 5% 50V			< CONNECTOR >	
C380	1-162-928-11	CERAMIC CHIP	120PF 5% 50V				
C381	1-164-670-11	CERAMIC CHIP	1200PF 5% 16V	CN100	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	

HCD-GNX700/GNX800

Ver. 1.1

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
CN102	1-820-049-11	CONNECTOR (SUBWOOFER) (SYSTEM CONTROL)				< IC >	
CN105	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		IC101	6-703-650-11	IC M61529FP-D60G	
CN402	1-785-336-11	PIN, CONNECTOR (LIGHT ANGLE) 10P		IC201	6-703-651-11	IC M61530FP-D60G	
CN501	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P		IC210	6-600-465-11	IC TOTX147 (CD DIGITAL OUT OPTICAL)	
* CN502	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P		IC301	6-702-130-01	IC HA12237F	
CN503	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P		IC401	6-806-610-01	IC M30622MEP-A75FPUO	
CN505	1-779-295-11	CONNECTOR, FFC (LIF (NON-ZIF)) 27P		IC402	6-705-809-01	IC BD4929G-TR	
CN506	1-568-441-11	SOCKET, CONNECTOR 9P		IC550	6-703-610-01	IC RT8H015C-T112-1	
* CN507	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P		IC560	8-759-394-36	IC BA09T	
* CN508	1-569-934-11	SOCKET, CONNECTOR 17P		IC561	8-759-394-36	IC BA09T	
CN509	1-569-928-11	SOCKET, CONNECTOR 11P		IC562	6-702-771-01	IC TA78033LS	
* CN510	1-568-449-11	HOUSING, CONNECTOR (PC BOARD) 3P				< JACK >	
CN511	1-784-735-11	CONNECTOR, FFC 13P		J101	1-794-981-11	JACK, PIN 4P (AUDIO IN)	
CN512	1-779-285-11	CONNECTOR, FFC (LIF (NON-ZIF)) 17P		J103	1-820-048-11	CONNECTOR (LIGHTING) (D-LIGHT SYNC)	
CN513	1-784-038-21	CONNECTOR, BOARD TO BOARD 9P				< JUMPER RESISTOR >	
CN580	1-564-506-11	PLUG, CONNECTOR 3P		JR101	1-216-864-11	SHORT CHIP 0	
		< DIODE >		JR102	1-216-864-11	SHORT CHIP 0	
D101	6-501-193-01	DIODE 1SS355WTE-17		JR104	1-216-864-11	SHORT CHIP 0	
D102	6-501-193-01	DIODE 1SS355WTE-17		JR107	1-216-864-11	SHORT CHIP 0	
D103	6-501-193-01	DIODE 1SS355WTE-17		JR108	1-216-864-11	SHORT CHIP 0	
D104	6-501-193-01	DIODE 1SS355WTE-17		JR109	1-216-864-11	SHORT CHIP 0	
D325	8-719-083-60	DIODE UDZSTE-174.7B		JR110	1-216-864-11	SHORT CHIP 0	
D340	6-501-193-01	DIODE 1SS355WTE-17		JR112	1-216-864-11	SHORT CHIP 0	
D341	6-501-193-01	DIODE 1SS355WTE-17		JR113	1-216-864-11	SHORT CHIP 0	
D342	6-501-193-01	DIODE 1SS355WTE-17		JR114	1-216-864-11	SHORT CHIP 0	
D401	6-501-193-01	DIODE 1SS355WTE-17		JR115	1-216-864-11	SHORT CHIP 0	
D402	6-501-193-01	DIODE 1SS355WTE-17		JR116	1-216-864-11	SHORT CHIP 0	
D403	6-501-193-01	DIODE 1SS355WTE-17		JR117	1-216-864-11	SHORT CHIP 0	
D404	6-501-193-01	DIODE 1SS355WTE-17		JR119	1-216-864-11	SHORT CHIP 0	
D501	6-501-193-01	DIODE 1SS355WTE-17		JR120	1-216-864-11	SHORT CHIP 0	
D502	6-501-193-01	DIODE 1SS355WTE-17		JR121	1-216-864-11	SHORT CHIP 0	
D503	6-501-193-01	DIODE 1SS355WTE-17		JR122	1-216-864-11	SHORT CHIP 0	
D504	6-501-193-01	DIODE 1SS355WTE-17		JR123	1-216-864-11	SHORT CHIP 0	
D505	6-501-193-01	DIODE 1SS355WTE-17		JR124	1-216-296-11	SHORT CHIP 0	
D550	6-501-193-01	DIODE 1SS355WTE-17		JR125	1-216-296-11	SHORT CHIP 0	
D551	6-501-193-01	DIODE 1SS355WTE-17 (E2, E3, E51)		JR126	1-216-296-11	SHORT CHIP 0	
D560	8-719-028-23	DIODE D3SBA20-4101		JR127	1-216-864-11	SHORT CHIP 0	
D561	6-500-522-21	DIODE 10EDB40-TB3		JR129	1-216-864-11	SHORT CHIP 0	
D562	6-500-522-21	DIODE 10EDB40-TB3		JR130	1-216-864-11	SHORT CHIP 0	
D581	8-719-069-56	DIODE UDZSTE-176.2B		JR131	1-216-864-11	SHORT CHIP 0 (AR, AUS)	
D583	8-719-978-33	DIODE DTZ-TT11-6.8B				< COIL >	
D584	8-719-071-54	DIODE HZU2.0BTRF		L101	1-420-872-52	COIL, AIR-CORE	
		< FERRITE BEAD >		L102	1-420-872-52	COIL, AIR-CORE	
FB150	1-216-864-11	SHORT CHIP 0		L302	1-414-189-31	INDUCTOR 100uH	
FB260	1-216-864-11	SHORT CHIP 0		L370	1-410-780-11	INDUCTOR 27mH	
FB261	1-216-864-11	SHORT CHIP 0		L371	1-410-780-11	INDUCTOR 27mH	
FB262	1-216-864-11	SHORT CHIP 0		L372	1-414-189-31	INDUCTOR 100uH	
FB263	1-216-864-11	SHORT CHIP 0				< TRANSISTOR >	
FB506	1-500-283-11	INDUCTOR, FERRITE BEAD		Q101	8-729-230-49	TRANSISTOR 2SC2712-YG	
FB507	1-500-283-11	INDUCTOR, FERRITE BEAD		Q151	8-729-230-49	TRANSISTOR 2SC2712-YG	
FB508	1-500-283-11	INDUCTOR, FERRITE BEAD		Q180	8-729-023-22	TRANSISTOR 2SD2114K	
FB509	1-500-283-11	INDUCTOR, FERRITE BEAD		Q181	8-729-023-22	TRANSISTOR 2SD2114K	
FB510	1-500-283-11	INDUCTOR, FERRITE BEAD		Q250	8-729-023-22	TRANSISTOR 2SD2114K	
FB512	1-500-283-11	INDUCTOR, FERRITE BEAD					

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
Q251	8-729-023-22	TRANSISTOR	2SD2114K	R133	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q325	8-729-056-46	TRANSISTOR	2SC5053T100Q	R140	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q340	8-729-903-46	TRANSISTOR	2SB1132-P	R150	1-216-809-11	METAL CHIP	100 5% 1/10W
Q341	8-729-903-46	TRANSISTOR	2SB1132-P				
Q342	8-729-903-46	TRANSISTOR	2SB1132-P	R151	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R152	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q343	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R153	1-216-818-11	METAL CHIP	560 5% 1/10W
Q344	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R154	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q345	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R155	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q370	8-729-141-75	TRANSISTOR	2SD596DV345				
Q371	6-551-287-01	TRANSISTOR	2SD2704K-T146	R156	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R157	1-216-813-11	METAL CHIP	220 5% 1/10W
Q372	6-551-287-01	TRANSISTOR	2SD2704K-T146	R166	1-216-809-11	METAL CHIP	100 5% 1/10W
Q373	6-551-287-01	TRANSISTOR	2SD2704K-T146	R180	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q374	6-551-287-01	TRANSISTOR	2SD2704K-T146	R181	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q375	6-551-287-01	TRANSISTOR	2SD2704K-T146				
Q376	6-551-287-01	TRANSISTOR	2SD2704K-T146	R182	1-216-841-11	METAL CHIP	47K 5% 1/10W
				R183	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q377	8-729-216-22	TRANSISTOR	2SA1162-G	R184	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q378	6-550-185-01	TRANSISTOR	RT1P137P-TP-1	R185	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q379	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R186	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q380	8-729-027-43	TRANSISTOR	DTC114EKA-T146				
Q381	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R187	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R203	1-216-864-11	SHORT CHIP	0
Q382	8-729-027-23	TRANSISTOR	DTA114EKA-T146	R204	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q383	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R205	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q501	8-729-901-00	TRANSISTOR	DTC124EK	R220	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q504	8-729-027-23	TRANSISTOR	DTA114EKA-T146				
Q505	8-729-901-00	TRANSISTOR	DTC124EK	R221	1-216-834-11	METAL CHIP	12K 5% 1/10W
				R228	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
Q506	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (E2, E3, E51)	R229	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
Q540	8-729-027-31	TRANSISTOR	DTA124EKA-T146	R250	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q541	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R251	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q544	8-729-027-31	TRANSISTOR	DTA124EKA-T146				
Q545	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R252	1-216-839-11	METAL CHIP	33K 5% 1/10W
				R253	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q550	8-729-027-56	TRANSISTOR	DTC143TKA-T146 (E2, E3, E51)	R254	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q560	6-550-185-01	TRANSISTOR	RT1P137P-TP-1	R255	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q561	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R256	1-216-839-11	METAL CHIP	33K 5% 1/10W
Q580	8-729-230-49	TRANSISTOR	2SC2712-YG				
Q581	8-729-230-49	TRANSISTOR	2SC2712-YG	R257	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R260	1-216-864-11	SHORT CHIP	0
Q582	8-729-230-49	TRANSISTOR	2SC2712-YG	R261	1-216-864-11	SHORT CHIP	0
Q583	8-729-027-31	TRANSISTOR	DTA124EKA-T146	R262	1-216-864-11	SHORT CHIP	0
Q584	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R263	1-216-864-11	SHORT CHIP	0
Q585	8-729-026-68	TRANSISTOR	2SD2525 (TP)				
		< RESISTOR >					
R101	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R264	1-216-845-11	METAL CHIP	100K 5% 1/10W
R102	1-216-833-11	METAL CHIP	10K 5% 1/10W	R265	1-216-845-11	METAL CHIP	100K 5% 1/10W
R103	1-216-818-11	METAL CHIP	560 5% 1/10W	R266	1-216-845-11	METAL CHIP	100K 5% 1/10W
R104	1-216-821-11	METAL CHIP	1K 5% 1/10W	R267	1-216-845-11	METAL CHIP	100K 5% 1/10W
R105	1-216-841-11	METAL CHIP	47K 5% 1/10W	R268	1-216-821-11	METAL CHIP	1K 5% 1/10W
R106	1-216-833-11	METAL CHIP	10K 5% 1/10W	R269	1-216-821-11	METAL CHIP	1K 5% 1/10W
R107	1-216-813-11	METAL CHIP	220 5% 1/10W	R270	1-216-821-11	METAL CHIP	1K 5% 1/10W
△R108	1-217-637-00	FUSIBLE	1 5% 1/4W	R271	1-216-821-11	METAL CHIP	1K 5% 1/10W
R111	1-216-864-11	SHORT CHIP	0	R272	1-216-837-11	METAL CHIP	22K 5% 1/10W
R112	1-216-864-11	SHORT CHIP	0	R273	1-216-833-11	METAL CHIP	10K 5% 1/10W
R116	1-216-809-11	METAL CHIP	100 5% 1/10W	R293	1-216-841-11	METAL CHIP	47K 5% 1/10W
R119	1-216-809-11	METAL CHIP	100 5% 1/10W	R294	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R121	1-216-833-11	METAL CHIP	10K 5% 1/10W	R295	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R122	1-216-833-11	METAL CHIP	10K 5% 1/10W	R296	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R130	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R297	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R131	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R301	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R132	1-216-857-11	METAL CHIP	1M 5% 1/10W	R302	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
				R303	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R304	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R305	1-216-841-11	METAL CHIP	47K 5% 1/10W

HCD-GNX700/GNX800

MAIN

Ref. No.	Part No.	Description	Quantity	Unit	Percentage	Remarks
R307	1-216-857-11	METAL CHIP	1M		5%	1/10W
R308	1-216-809-11	METAL CHIP	100		5%	1/10W
R309	1-216-829-11	METAL CHIP	4.7K		5%	1/10W
R310	1-216-809-11	METAL CHIP	100		5%	1/10W
R311	1-216-864-11	SHORT CHIP	0			
R312	1-216-809-11	METAL CHIP	100		5%	1/10W
R319	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R325	1-216-819-11	METAL CHIP	680		5%	1/10W
R336	1-218-867-11	METAL CHIP	6.8K		0.5%	1/10W
R337	1-216-833-11	METAL CHIP	10K		5%	1/10W
R339	1-216-837-11	METAL CHIP	22K		5%	1/10W
R340	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R341	1-216-827-11	METAL CHIP	3.3K		5%	1/10W
R342	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R343	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R344	1-216-819-11	METAL CHIP	680		5%	1/10W
R345	1-216-827-11	METAL CHIP	3.3K		5%	1/10W
R346	1-216-819-11	METAL CHIP	680		5%	1/10W
R347	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R348	1-216-819-11	METAL CHIP	680		5%	1/10W
R349	1-216-827-11	METAL CHIP	3.3K		5%	1/10W
R351	1-216-827-11	METAL CHIP	3.3K		5%	1/10W
R352	1-216-829-11	METAL CHIP	4.7K		5%	1/10W
R353	1-216-833-11	METAL CHIP	10K		5%	1/10W
R354	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R355	1-216-841-11	METAL CHIP	47K		5%	1/10W
R356	1-218-867-11	METAL CHIP	6.8K		0.5%	1/10W
R357	1-216-833-11	METAL CHIP	10K		5%	1/10W
R369	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R370	1-216-827-11	METAL CHIP	3.3K		5%	1/10W
R371	1-216-829-11	METAL CHIP	4.7K		5%	1/10W
R372	1-216-833-11	METAL CHIP	10K		5%	1/10W
R373	1-216-829-11	METAL CHIP	4.7K		5%	1/10W
R374	1-216-829-11	METAL CHIP	4.7K		5%	1/10W
R375	1-216-833-11	METAL CHIP	10K		5%	1/10W
R376	1-216-829-11	METAL CHIP	4.7K		5%	1/10W
R377	1-216-805-11	METAL CHIP	47		5%	1/10W
R378	1-216-833-11	METAL CHIP	10K		5%	1/10W
R379	1-216-797-11	METAL CHIP	10		5%	1/10W
R380	1-218-867-11	METAL CHIP	6.8K		0.5%	1/10W
R381	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R382	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R383	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R384	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R385	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R386	1-216-803-11	METAL CHIP	33		5%	1/10W
R387	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R388	1-218-867-11	METAL CHIP	6.8K		0.5%	1/10W
R389	1-216-837-11	METAL CHIP	22K		5%	1/10W
R390	1-216-833-11	METAL CHIP	10K		5%	1/10W
R391	1-216-833-11	METAL CHIP	10K		5%	1/10W
R392	1-216-833-11	METAL CHIP	10K		5%	1/10W
R393	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R394	1-216-829-11	METAL CHIP	4.7K		5%	1/10W
R395	1-216-841-11	METAL CHIP	47K		5%	1/10W
R396	1-216-833-11	METAL CHIP	10K		5%	1/10W
R397	1-216-825-11	METAL CHIP	2.2K		5%	1/10W
R399	1-216-833-11	METAL CHIP	10K		5%	1/10W

Ref. No.	Part No.	Description	Quantity	Unit	Percentage	Remarks
R400	1-216-809-11	METAL CHIP	100		5%	1/10W
R401	1-216-809-11	METAL CHIP	100		5%	1/10W
R402	1-216-809-11	METAL CHIP	100		5%	1/10W
R403	1-216-809-11	METAL CHIP	100		5%	1/10W
R404	1-216-809-11	METAL CHIP	100		5%	1/10W
R405	1-216-809-11	METAL CHIP	100		5%	1/10W
R406	1-216-809-11	METAL CHIP	100		5%	1/10W
R407	1-216-809-11	METAL CHIP	100		5%	1/10W
R409	1-216-833-11	METAL CHIP	10K		5%	1/10W
R411	1-216-851-11	METAL CHIP	330K		5%	1/10W
R412	1-216-845-11	METAL CHIP	100K		5%	1/10W
R413	1-216-864-11	SHORT CHIP	0			
R417	1-216-833-11	METAL CHIP	10K		5%	1/10W
R418	1-216-813-11	METAL CHIP	220		5%	1/10W
R419	1-216-809-11	METAL CHIP	100		5%	1/10W
R420	1-216-821-11	METAL CHIP	1K		5%	1/10W
R421	1-216-809-11	METAL CHIP	100		5%	1/10W
R422	1-216-809-11	METAL CHIP	100		5%	1/10W
R423	1-216-809-11	METAL CHIP	100		5%	1/10W
R424	1-216-809-11	METAL CHIP	100		5%	1/10W
R425	1-216-809-11	METAL CHIP	100		5%	1/10W
R426	1-216-809-11	METAL CHIP	100		5%	1/10W
R427	1-216-809-11	METAL CHIP	100		5%	1/10W
R428	1-216-809-11	METAL CHIP	100		5%	1/10W
R429	1-216-809-11	METAL CHIP	100		5%	1/10W
R430	1-216-809-11	METAL CHIP	100		5%	1/10W
R431	1-216-809-11	METAL CHIP	100		5%	1/10W
R432	1-216-809-11	METAL CHIP	100		5%	1/10W
R433	1-216-809-11	METAL CHIP	100		5%	1/10W
R434	1-216-809-11	METAL CHIP	100		5%	1/10W
R436	1-216-809-11	METAL CHIP	100		5%	1/10W
R438	1-216-809-11	METAL CHIP	100		5%	1/10W
R439	1-216-809-11	METAL CHIP	100		5%	1/10W
R440	1-216-809-11	METAL CHIP	100		5%	1/10W
R441	1-216-809-11	METAL CHIP	100		5%	1/10W
R442	1-216-809-11	METAL CHIP	100		5%	1/10W
R443	1-216-809-11	METAL CHIP	100		5%	1/10W
R444	1-216-809-11	METAL CHIP	100		5%	1/10W
R445	1-216-809-11	METAL CHIP	100		5%	1/10W
R446	1-216-809-11	METAL CHIP	100		5%	1/10W
R448	1-216-809-11	METAL CHIP	100		5%	1/10W
R449	1-216-809-11	METAL CHIP	100		5%	1/10W
R450	1-216-809-11	METAL CHIP	100		5%	1/10W
R452	1-216-809-11	METAL CHIP	100		5%	1/10W
R463	1-216-833-11	METAL CHIP	10K		5%	1/10W
R468	1-216-809-11	METAL CHIP	100		5%	1/10W
R469	1-216-809-11	METAL CHIP	100		5%	1/10W
R470	1-216-809-11	METAL CHIP	100		5%	1/10W
R472	1-216-809-11	METAL CHIP	100		5%	1/10W
R473	1-216-809-11	METAL CHIP	100		5%	1/10W
R474	1-216-809-11	METAL CHIP	100		5%	1/10W
R475	1-216-809-11	METAL CHIP	100		5%	1/10W
R476	1-216-809-11	METAL CHIP	100		5%	1/10W
R477	1-216-809-11	METAL CHIP	100		5%	1/10W
R478	1-216-809-11	METAL CHIP	100		5%	1/10W
R483	1-216-809-11	METAL CHIP	100		5%	1/10W
R484	1-216-809-11	METAL CHIP	100		5%	1/10W

Ref. No.	Part No.	Description	Quantity	Power	Remarks	Ref. No.	Part No.	Description	Quantity	Power	Remarks
R484	1-216-809-11	METAL CHIP	100	5%	1/10W	R582	1-216-864-11	SHORT CHIP	0 (EXCEPT E2)		
R485	1-216-809-11	METAL CHIP	100	5%	1/10W	R585	1-216-833-11	METAL CHIP	10K	5%	1/10W
R486	1-216-809-11	METAL CHIP	100	5%	1/10W	R586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R487	1-216-809-11	METAL CHIP	100	5%	1/10W						
R488	1-216-809-11	METAL CHIP	100	5%	1/10W	R587	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R592	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (GNX800)
R489	1-216-809-11	METAL CHIP	100	5%	1/10W	R593	1-216-819-11	METAL CHIP	680	5%	1/10W (AR)
R490	1-216-809-11	METAL CHIP	100	5%	1/10W						
R492	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GNX800)	R593	1-216-821-11	METAL CHIP	1K	5%	1/10W (E2, E51)
R492	1-216-864-11	SHORT CHIP	0 (GNX700)			R593	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (E3, AUS)
R493	1-216-815-11	METAL CHIP	330	5%	1/10W (E3)						
R493	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (AUS)	R594	1-215-889-00	METAL OXIDE	330	5%	2W
R493	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (E2, E51, AR)	R595	1-216-857-11	METAL CHIP	1M	5%	1/10W
R495	1-216-809-11	METAL CHIP	100	5%	1/10W	R598	1-245-711-31	CARBON	10	5%	1/2W
R497	1-216-821-11	METAL CHIP	1K	5%	1/10W	R599	1-245-711-31	CARBON	10	5%	1/2W
R500	1-216-833-11	METAL CHIP	10K	5%	1/10W			< TRANSFORMER >			
						T301	1-433-372-11	TRANSFORMER, BIAS OSCILLATION			
R501	1-216-813-11	METAL CHIP	220	5%	1/10W			< TERMINAL BOARD >			
R502	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R503	1-216-864-11	SHORT CHIP	0			TM101	1-780-170-21	TERMINAL BOARD (SPEAKER) (SUBWOOFER OUT)			
R505	1-216-829-11	METAL CHIP	4.7K	5%	1/10W			< VIBRATOR >			
R508	1-216-833-11	METAL CHIP	10K	5%	1/10W (E2, E3, E51)	X401	1-760-252-12	VIBRATOR, CRYSTAL (32.768 kHz)			
						X402	1-795-058-21	VIBRATOR, CERAMIC (5 MHz)			
R509	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (GNX800: E2, E3, E51)						
R509	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (GNX700)	A-1156-233-A	MIC BOARD, COMPLETE *****				
R529	1-216-833-11	METAL CHIP	10K	5%	1/10W			< CAPACITOR >			
R530	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1100	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (E2)	C1101	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C1102	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
R532	1-216-819-11	METAL CHIP	680	5%	1/10W (E2)	C1103	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R532	1-216-864-11	SHORT CHIP	0 (EXCEPT E2)			C1104	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R538	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1105	1-124-463-00	ELECT	0.1uF	20%	50V
R540	1-216-843-11	METAL CHIP	68K	5%	1/10W	C1106	1-126-163-11	ELECT	4.7uF	20%	50V
R541	1-216-835-11	METAL CHIP	15K	5%	1/10W	C1107	1-126-163-11	ELECT	4.7uF	20%	50V
R542	1-216-853-11	METAL CHIP	470K	5%	1/10W	C1108	1-126-160-11	ELECT	1uF	20%	50V
R546	1-216-843-11	METAL CHIP	68K	5%	1/10W	C1109	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R547	1-216-835-11	METAL CHIP	15K	5%	1/10W						
R548	1-216-853-11	METAL CHIP	470K	5%	1/10W	C1110	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
R551	1-216-842-11	METAL CHIP	56K	5%	1/10W (E2, E3, E51)	C1111	1-124-464-11	ELECT	0.22uF	20%	50V
						C1112	1-126-160-11	ELECT	1uF	20%	50V
R553	1-216-824-11	METAL CHIP	1.8K	5%	1/10W (E2, E3, E51)	C1113	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
R560	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	C1114	1-126-163-11	ELECT	4.7uF	20%	50V
R562	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R563	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C1115	1-126-163-11	ELECT	4.7uF	20%	50V
R570	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1116	1-124-589-11	ELECT	47uF	20%	16V
						C1117	1-124-589-11	ELECT	47uF	20%	16V
R571	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1119	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R573	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1121	1-126-160-11	ELECT	1uF	20%	50V
R574	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R575	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1122	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
R577	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1123	1-124-589-11	ELECT	47uF	20%	16V
						C1124	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V
R578	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1125	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
R581	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (E2)	C1127	1-124-261-00	ELECT	10uF	20%	50V
R582	1-216-819-11	METAL CHIP	680	5%	1/10W (E2)						

HCD-GNX700/GNX800

Ver. 1.1

MIC **MOTOR (LD)** **MOTOR (TB)** **PA**

Ref. No.	Part No.	Description	Remarks
C1128	1-162-923-11	CERAMIC CHIP 47PF	5% 50V
C1133	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1139	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1142	1-164-156-11	CERAMIC CHIP 0.1uF	25V
< CONNECTOR >			
CN1102	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P	
< DIODE >			
D1100	6-501-193-01	DIODE 1SS355WTE-17	
D1101	6-501-193-01	DIODE 1SS355WTE-17	
D1102	8-719-069-54	DIODE UDZSTE-175.1B	
< FERRITE BEAD >			
FB1100	1-216-864-11	SHORT CHIP 0	
FB1101	1-216-864-11	SHORT CHIP 0	
< IC >			
IC1100	6-709-116-01	IC TC9488FG	
IC1101	8-759-710-97	IC NJM4565M-D	
< JACK >			
J1100	1-817-630-11	JACK (LARGE TYPE) (MIC 1)	
J1101	1-817-630-11	JACK (LARGE TYPE) (MIC 2)	
J1103	1-794-702-11	JACK, HEADPHONE (PHONES)	
< RESISTOR >			
R1100	1-216-835-11	METAL CHIP 15K	5% 1/10W
R1102	1-216-821-11	METAL CHIP 1K	5% 1/10W
R1103	1-216-821-11	METAL CHIP 1K	5% 1/10W
R1104	1-216-830-11	METAL CHIP 5.6K	5% 1/10W
R1105	1-216-809-11	METAL CHIP 100	5% 1/10W
R1106	1-216-809-11	METAL CHIP 100	5% 1/10W
R1107	1-216-809-11	METAL CHIP 100	5% 1/10W
R1108	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1109	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1110	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1111	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1113	1-216-834-11	METAL CHIP 12K	5% 1/10W
R1114	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1115	1-216-815-11	METAL CHIP 330	5% 1/10W
R1116	1-216-815-11	METAL CHIP 330	5% 1/10W
R1118	1-216-821-11	METAL CHIP 1K	5% 1/10W
R1119	1-216-841-11	METAL CHIP 47K	5% 1/10W
R1120	1-216-828-11	METAL CHIP 3.9K	5% 1/10W
R1121	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W
R1122	1-216-834-11	METAL CHIP 12K	5% 1/10W
R1123	1-216-835-11	METAL CHIP 15K	5% 1/10W
R1124	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1126	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1132	1-216-864-11	SHORT CHIP 0	
R1137	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1138	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1139	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1140	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1147	1-216-835-11	METAL CHIP 15K	5% 1/10W
R1152	1-216-823-11	METAL CHIP 1.5K	5% 1/10W

Ref. No.	Part No.	Description	Remarks
R1156	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
< VARIABLE RESISTOR >			
RV1100	1-227-452-11	RES, VAR, CARBON	50K (ECHO LEVEL)
RV1101	1-227-452-11	RES, VAR, CARBON	50K (MIC 2 LEVEL)
RV1102	1-227-452-11	RES, VAR, CARBON	50K (MIC 1 LEVEL)

	1-687-133-12	MOTOR (LD) BOARD	*****

	1-687-134-12	MOTOR (TB) BOARD	*****
< CONNECTOR >			
CN742	1-784-727-11	CONNECTOR, FFC 5P	*****

A-1156-247-A	PA BOARD, COMPLETE (GNX700: E2, E51)		
A-1156-261-A	PA BOARD, COMPLETE (GNX800: E2, E51, AR)		
A-1178-475-A	PA BOARD, COMPLETE (GNX800: E3, AUS)		
A-1178-478-A	PA BOARD, COMPLETE (GNX700: E3)		

< CAPACITOR >			
C600	1-126-963-11	ELECT 4.7uF	20% 50V
C601	1-162-966-11	CERAMIC CHIP 0.0022uF	10% 50V
C602	1-104-658-91	ELECT 100uF	20% 10V
C604	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C605	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C606	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C608	1-126-965-91	ELECT 22uF	20% 50V
C616	1-136-495-11	FILM 0.068uF	5% 50V
C617	1-136-495-11	FILM 0.068uF	5% 50V
C634	1-104-665-11	ELECT 100uF	20% 25V
C635	1-104-665-11	ELECT 100uF	20% 25V
C636	1-107-721-11	ELECT 4.7uF	20% 100V
C637	1-107-721-11	ELECT 4.7uF	20% 100V
C648	1-104-658-91	ELECT 100uF	20% 10V
C649	1-126-964-11	ELECT 10uF	20% 50V
C650	1-126-963-11	ELECT 4.7uF	20% 50V
C651	1-162-966-11	CERAMIC CHIP 0.0022uF	10% 50V
C652	1-104-658-91	ELECT 100uF	20% 10V
C654	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C655	1-126-964-11	ELECT 10uF	20% 50V
C656	1-127-815-11	ELECT 3300uF	20% 100V
C658	1-127-812-11	ELECT 3300uF	20% 63V
C660	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C666	1-136-495-11	FILM 0.068uF	5% 50V
C667	1-136-495-11	FILM 0.068uF	5% 50V
C676	1-127-815-11	ELECT 3300uF	20% 100V
C678	1-127-812-11	ELECT 3300uF	20% 63V
C681	1-110-563-11	CERAMIC CHIP 0.068uF	10% 16V (GNX800:E3, AUS)
C682	1-110-563-11	CERAMIC CHIP 0.068uF	10% 16V (GNX800:E3, AUS)

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C683	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R601	1-216-841-11	METAL CHIP 47K	5% 1/10W
C691	1-110-563-11	CERAMIC CHIP 0.068uF	10% 16V (GNX800:E3, AUS)	R602	1-216-816-11	METAL CHIP 390	5% 1/10W (GNX700)
C691	1-110-563-11	CERAMIC CHIP 0.068uF	10% 16V	R602	1-218-482-11	METAL CHIP 430	5% 1/10W (GNX800)
C692	1-110-563-11	CERAMIC CHIP 0.068uF	10% 16V (GNX800:E3, AUS)	R603	1-216-841-11	METAL CHIP 47K	5% 1/10W
C693	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R604	1-216-833-11	METAL CHIP 10K	5% 1/10W
< CONNECTOR >				R605	1-216-833-11	METAL CHIP 10K	5% 1/10W
CN600	1-764-865-41	CONNECTOR, BOARD TO BOARD 13P		R606	1-216-841-11	METAL CHIP 47K	5% 1/10W
CN601	1-784-031-41	CONNECTOR, BOARD TO BOARD 8P		R607	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
* CN607	1-564-508-11	PLUG, CONNECTOR 5P		R608	1-216-845-11	METAL CHIP 100K	5% 1/10W
< DIODE >				R609	1-216-843-11	METAL CHIP 68K	5% 1/10W
D609	6-501-193-01	DIODE 1SS355WTE-17		R610	1-216-843-11	METAL CHIP 68K	5% 1/10W
D611	8-719-056-93	DIODE UDZ-TE-17-18B		R611	1-216-839-11	METAL CHIP 33K	5% 1/10W
D612	8-719-056-93	DIODE UDZ-TE-17-18B		△ R612	1-245-605-51	FUSIBLE 100	5% 1/4W
D620	6-501-193-01	DIODE 1SS355WTE-17		R613	1-215-872-11	METAL OXIDE 3.3K	5% 1W
D624	6-501-193-01	DIODE 1SS355WTE-17		R614	1-215-872-11	METAL OXIDE 3.3K	5% 1W
D646	6-501-193-01	DIODE 1SS355WTE-17		△ R615	1-245-605-51	FUSIBLE 100	5% 1/4W
D654	6-501-193-01	DIODE 1SS355WTE-17		△ R616	1-217-637-00	FUSIBLE 1	5% 1/4W
D655	6-501-193-01	DIODE 1SS355WTE-17		R617	1-216-845-11	METAL CHIP 100K	5% 1/10W
D656	6-500-249-01	DIODE D15XB20		△ R618	1-234-798-11	ENCAPSULATED COMPONENT	
D658	8-719-073-32	DIODE D25XB60		R619	1-216-821-11	METAL CHIP 1K	5% 1/10W
D660	6-501-193-01	DIODE 1SS355WTE-17		R620	1-216-839-11	METAL CHIP 33K	5% 1/10W
D661	6-501-193-01	DIODE 1SS355WTE-17		R621	1-216-845-11	METAL CHIP 100K	5% 1/10W
D665	6-501-193-01	DIODE 1SS355WTE-17 (GNX800)		R622	1-245-711-31	CARBON 10	5% 1/2W
D670	6-501-193-01	DIODE 1SS355WTE-17		R623	1-216-843-11	METAL CHIP 68K	5% 1/10W
< IC >				R624	1-216-837-11	METAL CHIP 22K	5% 1/10W
IC600	8-749-017-06	IC STK412-150		R625	1-216-826-11	METAL CHIP 2.7K	5% 1/10W (GNX800)
< JUMPER RESISTOR >				R625	1-216-827-11	METAL CHIP 3.3K	5% 1/10W (GNX700)
JR600	1-216-296-11	SHORT CHIP 0		R628	1-216-837-11	METAL CHIP 22K	5% 1/10W
JR601	1-216-296-11	SHORT CHIP 0		R629	1-216-830-11	METAL CHIP 5.6K	5% 1/10W
JR602	1-216-296-11	SHORT CHIP 0		R630	1-216-845-11	METAL CHIP 100K	5% 1/10W
JR603	1-216-296-11	SHORT CHIP 0		R631	1-216-845-11	METAL CHIP 100K	5% 1/10W
JR612	1-216-864-11	SHORT CHIP 0		R633	1-216-864-11	SHORT CHIP 0	
< TRANSISTOR >				R634	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
Q604	8-729-924-99	TRANSISTOR 2SC3722K-E		R635	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q606	8-729-821-00	TRANSISTOR 2SA1207		R636	1-215-891-11	METAL OXIDE 680	5% 2W
Q610	8-729-924-99	TRANSISTOR 2SC3722K-E		R637	1-215-891-11	METAL OXIDE 680	5% 2W
Q618	8-729-924-99	TRANSISTOR 2SC3722K-E		R638	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q628	8-729-230-49	TRANSISTOR 2SC2712-YG		R639	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q630	8-729-230-49	TRANSISTOR 2SC2712-YG		R640	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q634	8-729-027-31	TRANSISTOR DTA124EKA-T146		R641	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q640	8-729-023-22	TRANSISTOR 2SD2114K		R642	1-216-811-11	METAL CHIP 150	5% 1/10W
Q641	8-729-023-22	TRANSISTOR 2SD2114K		R643	1-216-811-11	METAL CHIP 150	5% 1/10W
Q644	8-729-230-49	TRANSISTOR 2SC2712-YG		R644	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
Q647	8-729-230-49	TRANSISTOR 2SC2712-YG		R645	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q648	8-729-230-49	TRANSISTOR 2SC2712-YG		△ R646	1-260-086-31	CARBON 82	5% 1/2W
Q666	8-729-230-49	TRANSISTOR 2SC2712-YG (GNX800)		R647	1-216-821-11	METAL CHIP 1K	5% 1/10W (GNX800)
Q668	8-729-924-99	TRANSISTOR 2SC3722K-E		R647	1-216-823-11	METAL CHIP 1.5K	5% 1/10W (GNX700)
Q682	8-729-230-49	TRANSISTOR 2SC2712-YG		R648	1-216-829-11	METAL CHIP 4.7K	5% 1/10W (GNX700)
< RESISTOR >				R648	1-216-837-11	METAL CHIP 22K	5% 1/10W (GNX800)
R600	1-216-821-11	METAL CHIP 1K	5% 1/10W	R649	1-216-837-11	METAL CHIP 22K	5% 1/10W
				R650	1-216-821-11	METAL CHIP 1K	5% 1/10W

HCD-GNX700/GNX800

Ver. 1.1

PA PANEL

Ref. No.	Part No.	Description	Remarks
R651	1-216-841-11	METAL CHIP	47K 5% 1/10W
R652	1-216-816-11	METAL CHIP	390 5% 1/10W (GNX700)
R652	1-218-482-11	METAL CHIP	430 5% 1/10W (GNX800)
R653	1-216-841-11	METAL CHIP	47K 5% 1/10W
R654	1-216-841-11	METAL CHIP	47K 5% 1/10W
R655	1-216-841-11	METAL CHIP	47K 5% 1/10W
R656	1-216-849-11	METAL CHIP	220K 5% 1/10W
R657	1-216-849-11	METAL CHIP	220K 5% 1/10W
R658	1-216-845-11	METAL CHIP	100K 5% 1/10W
R660	1-216-833-11	METAL CHIP	10K 5% 1/10W (GNX800)
R660	1-216-834-11	METAL CHIP	12K 5% 1/10W (GNX700)
R661	1-216-833-11	METAL CHIP	10K 5% 1/10W (GNX800)
R661	1-216-834-11	METAL CHIP	12K 5% 1/10W (GNX700)
R662	1-216-811-11	METAL CHIP	150 5% 1/10W
R663	1-216-811-11	METAL CHIP	150 5% 1/10W
△R665	1-260-086-31	CARBON	82 5% 1/2W (GNX800)
R666	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (GNX800)
R667	1-216-833-11	METAL CHIP	10K 5% 1/10W (GNX800)
△R668	1-234-798-11	ENCAPSULATED COMPONENT	
R669	1-216-821-11	METAL CHIP	1K 5% 1/10W
R670	1-216-839-11	METAL CHIP	33K 5% 1/10W
R671	1-216-845-11	METAL CHIP	100K 5% 1/10W
R672	1-245-711-31	CARBON	10 5% 1/2W
R673	1-216-842-11	METAL CHIP	56K 5% 1/10W
R674	1-216-837-11	METAL CHIP	22K 5% 1/10W
R676	1-216-849-11	METAL CHIP	220K 5% 1/10W
R677	1-216-849-11	METAL CHIP	220K 5% 1/10W
R678	1-216-845-11	METAL CHIP	100K 5% 1/10W
R681	1-245-711-31	CARBON	10 5% 1/2W (GNX800:E3, AUS)
R682	1-216-821-11	METAL CHIP	1K 5% 1/10W
R683	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R685	1-216-833-11	METAL CHIP	10K 5% 1/10W
R691	1-245-711-31	CARBON	10 5% 1/2W (GNX800:E3, AUS)
R692	1-216-841-11	METAL CHIP	47K 5% 1/10W
R693	1-216-845-11	METAL CHIP	100K 5% 1/10W
R694	1-216-843-11	METAL CHIP	68K 5% 1/10W
R695	1-216-845-11	METAL CHIP	100K 5% 1/10W
R696	1-216-845-11	METAL CHIP	100K 5% 1/10W
R697	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R698	1-216-845-11	METAL CHIP	100K 5% 1/10W
< RELAY >			
RY646	1-755-500-11	RELAY	
RY665	1-755-500-11	RELAY (GNX800)	
< THERMISTOR >			
TH629	1-807-796-11	THERMISTOR	
TH630	1-807-796-11	THERMISTOR	

Ref. No.	Part No.	Description	Remarks
		< TERMINAL >	
TM600	1-780-001-21	TERMINAL BOARD (SPEAKER)	(FRONT SPEAKER)
TM601	1-780-001-21	TERMINAL BOARD (SPEAKER)	(SURR SPEAKER) (GNX800)

	A-1156-224-A	PANEL BOARD, COMPLETE	*****
< CAPACITOR >			
C900	1-126-163-11	ELECT	4.7uF 20% 50V
C901	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C902	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C903	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C904	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C905	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C906	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C908	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C909	1-162-960-11	CERAMIC CHIP	220PF 10% 50V
C910	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C916	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C917	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C920	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C922	1-119-941-91	ELECT	470uF 20% 6.3V
C923	1-119-941-91	ELECT	470uF 20% 6.3V
C924	1-119-941-91	ELECT	470uF 20% 6.3V
C925	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C926	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C927	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C928	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C929	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C930	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C931	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C932	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C933	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
C934	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C935	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C936	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C937	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C938	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C939	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C940	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C941	1-124-261-00	ELECT	10uF 20% 50V
C942	1-124-261-00	ELECT	10uF 20% 50V
C943	1-124-261-00	ELECT	10uF 20% 50V
C945	1-115-156-11	CERAMIC CHIP	1uF 10V
C946	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
C947	1-115-156-11	CERAMIC CHIP	1uF 10V
C948	1-162-962-11	CERAMIC CHIP	470PF 10% 50V
C949	1-115-156-11	CERAMIC CHIP	1uF 10V
C950	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C951	1-115-156-11	CERAMIC CHIP	1uF 10V
C952	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V
C953	1-115-156-11	CERAMIC CHIP	1uF 10V
C954	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V
C955	1-115-156-11	CERAMIC CHIP	1uF 10V
C956	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C957	1-115-156-11	CERAMIC CHIP	1uF	10V		< JUMPER RESISTOR >	
C958	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V		
C959	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V		
C961	1-164-156-11	CERAMIC CHIP	0.1uF		25V		
C962	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		
C964	1-124-589-11	ELECT	47uF	20%	16V		
C967	1-124-261-00	ELECT	10uF	20%	50V		
C972	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C973	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C974	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		
C975	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C977	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C978	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C979	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C980	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C981	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C982	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C983	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		
C1180	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		
		< CONNECTOR >					
CN900	1-784-739-11	CONNECTOR, FFC 17P					
CN902	1-784-739-11	CONNECTOR, FFC 17P					
		< DIODE >					
D901	6-501-193-01	DIODE 1SS355WTE-17					
D905	8-719-978-33	DIODE DTZ-TT11-6.8B					
D908	8-719-058-04	DIODE SEL5223S-TP15 (CD)					
D909	8-719-058-04	DIODE SEL5223S-TP15 (TUNER BAND)					
D910	8-719-058-04	DIODE SEL5223S-TP15 (TAPE A/B)					
D911	8-719-058-04	DIODE SEL5223S-TP15 (▶)					
D913	8-719-058-04	DIODE SEL5223S-TP15 (TUNING+ ▶▶▶)					
D914	8-719-058-04	DIODE SEL5223S-TP15 (TUNING- ◀◀◀)					
D915	6-501-228-01	DIODE SELU5420E-STP15 (▶)					
D916	8-719-058-04	DIODE SEL5223S-TP15 (TV)					
D917	8-719-058-04	DIODE SEL5223S-TP15 (VIDEO/MD)					
D927	8-719-058-04	DIODE SEL5223S-TP15 (I/⏻)					
D928	6-501-228-01	DIODE SELU5420E-STP15 (I/⏻)					
D929	8-719-058-04	DIODE SEL5223S-TP15 (ALBUM+ ▶▶)					
D930	8-719-058-04	DIODE SEL5223S-TP15 (ALBUM- ◀◀)					
D931	6-501-193-01	DIODE 1SS355WTE-17					
D932	6-501-193-01	DIODE 1SS355WTE-17					
D1145	8-719-058-04	DIODE SEL5223S-TP15 (■)					
D1153	8-719-058-04	DIODE SEL5223S-TP15 (■)					
		< FERRITE BEAD >					
FB901	1-216-864-11	SHORT CHIP 0					
		< FLUORESCENT INDICATOR >					
FL901	1-519-794-21	VACUUM FLUORESCENT DISPLAYS					
		< IC >					
IC902	6-806-205-01	IC MB90M407PF-G-148E1					
IC903	6-600-309-01	IC RPM7240-H9 (■)					
IC904	6-705-678-01	IC NJM2760V-TE2					
JR914	1-216-864-11	SHORT CHIP 0					
JR918	1-216-864-11	SHORT CHIP 0					
JR919	1-216-864-11	SHORT CHIP 0					
JR925	1-216-296-11	SHORT CHIP 0					
		< TRANSISTOR >					
Q901	8-729-027-56	TRANSISTOR DTC143TKA-T146					
Q902	8-729-027-56	TRANSISTOR DTC143TKA-T146					
Q903	8-729-027-29	TRANSISTOR DTA123JKA-T146					
Q904	8-729-106-60	TRANSISTOR 2SB1115A-YQ					
Q905	8-729-106-60	TRANSISTOR 2SB1115A-YQ					
Q906	8-729-027-50	TRANSISTOR DTC123JKA-T146					
Q907	8-729-027-50	TRANSISTOR DTC123JKA-T146					
Q908	8-729-027-50	TRANSISTOR DTC123JKA-T146					
Q909	8-729-027-50	TRANSISTOR DTC123JKA-T146					
Q910	8-729-027-50	TRANSISTOR DTC123JKA-T146					
Q914	8-729-027-56	TRANSISTOR DTC143TKA-T146					
Q917	8-729-027-50	TRANSISTOR DTC123JKA-T146					
Q918	8-729-027-50	TRANSISTOR DTC123JKA-T146					
Q919	8-729-027-50	TRANSISTOR DTC123JKA-T146					
		< RESISTOR >					
R900	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R901	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R902	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R903	1-216-809-11	METAL CHIP 100 5% 1/10W					
R904	1-216-809-11	METAL CHIP 100 5% 1/10W					
R905	1-216-835-11	METAL CHIP 15K 5% 1/10W					
R906	1-216-835-11	METAL CHIP 15K 5% 1/10W					
R907	1-216-835-11	METAL CHIP 15K 5% 1/10W					
R908	1-216-809-11	METAL CHIP 100 5% 1/10W					
R909	1-216-829-11	METAL CHIP 4.7K 5% 1/10W					
R910	1-216-819-11	METAL CHIP 680 5% 1/10W					
R911	1-216-819-11	METAL CHIP 680 5% 1/10W					
R912	1-216-809-11	METAL CHIP 100 5% 1/10W					
R914	1-216-819-11	METAL CHIP 680 5% 1/10W					
R915	1-216-819-11	METAL CHIP 680 5% 1/10W					
R916	1-216-819-11	METAL CHIP 680 5% 1/10W					
R917	1-216-819-11	METAL CHIP 680 5% 1/10W					
R918	1-216-845-11	METAL CHIP 100K 5% 1/10W					
R919	1-216-845-11	METAL CHIP 100K 5% 1/10W					
R920	1-216-845-11	METAL CHIP 100K 5% 1/10W					
R922	1-216-857-11	METAL CHIP 1M 5% 1/10W					
R923	1-216-819-11	METAL CHIP 680 5% 1/10W					
R924	1-216-819-11	METAL CHIP 680 5% 1/10W					
R925	1-216-819-11	METAL CHIP 680 5% 1/10W					
R926	1-216-819-11	METAL CHIP 680 5% 1/10W					
R941	1-216-809-11	METAL CHIP 100 5% 1/10W					
R942	1-216-809-11	METAL CHIP 100 5% 1/10W					
R943	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R944	1-216-805-11	METAL CHIP 47 5% 1/10W					
R947	1-216-821-11	METAL CHIP 1K 5% 1/10W					
R948	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W					
R949	1-216-821-11	METAL CHIP 1K 5% 1/10W					
R950	1-216-821-11	METAL CHIP 1K 5% 1/10W					
R951	1-216-830-11	METAL CHIP 5.6K 5% 1/10W					
R952	1-216-821-11	METAL CHIP 1K 5% 1/10W					

HCD-GNX700/GNX800

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PANEL **PRIMARY**

Ref. No.	Part No.	Description	Remarks
R953	1-216-821-11	METAL CHIP 1K	5% 1/10W
R954	1-216-833-11	METAL CHIP 10K	5% 1/10W
R956	1-216-826-11	METAL CHIP 2.7K	5% 1/10W
R957	1-216-819-11	METAL CHIP 680	5% 1/10W
R964	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R965	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W
R966	1-216-833-11	METAL CHIP 10K	5% 1/10W
R967	1-216-835-11	METAL CHIP 15K	5% 1/10W
R968	1-216-837-11	METAL CHIP 22K	5% 1/10W
R974	1-216-819-11	METAL CHIP 680	5% 1/10W
R975	1-216-819-11	METAL CHIP 680	5% 1/10W
R979	1-216-805-11	METAL CHIP 47	5% 1/10W
R980	1-216-821-11	METAL CHIP 1K	5% 1/10W
R981	1-216-809-11	METAL CHIP 100	5% 1/10W
R982	1-216-817-11	METAL CHIP 470	5% 1/10W
R983	1-216-842-11	METAL CHIP 56K	5% 1/10W
R984	1-216-839-11	METAL CHIP 33K	5% 1/10W
R987	1-216-819-11	METAL CHIP 680	5% 1/10W
R988	1-216-819-11	METAL CHIP 680	5% 1/10W
R990	1-216-819-11	METAL CHIP 680	5% 1/10W
R991	1-216-819-11	METAL CHIP 680	5% 1/10W
R997	1-216-819-11	METAL CHIP 680	5% 1/10W
R1007	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R1008	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R1009	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W
R1010	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1011	1-216-835-11	METAL CHIP 15K	5% 1/10W
R1012	1-216-837-11	METAL CHIP 22K	5% 1/10W
R1013	1-216-839-11	METAL CHIP 33K	5% 1/10W
R1021	1-216-809-11	METAL CHIP 100	5% 1/10W
R1022	1-216-809-11	METAL CHIP 100	5% 1/10W
R1023	1-216-809-11	METAL CHIP 100	5% 1/10W
R1024	1-216-809-11	METAL CHIP 100	5% 1/10W
R1025	1-216-809-11	METAL CHIP 100	5% 1/10W
R1026	1-216-809-11	METAL CHIP 100	5% 1/10W
R1027	1-216-809-11	METAL CHIP 100	5% 1/10W
R1028	1-216-809-11	METAL CHIP 100	5% 1/10W
R1098	1-216-819-11	METAL CHIP 680	5% 1/10W
R1112	1-216-819-11	METAL CHIP 680	5% 1/10W
R1135	1-216-819-11	METAL CHIP 680	5% 1/10W
R1136	1-216-819-11	METAL CHIP 680	5% 1/10W
R1141	1-216-819-11	METAL CHIP 680	5% 1/10W
R1142	1-216-819-11	METAL CHIP 680	5% 1/10W
R1143	1-216-819-11	METAL CHIP 680	5% 1/10W
R1171	1-216-819-11	METAL CHIP 680	5% 1/10W
R1178	1-216-801-11	METAL CHIP 22	5% 1/10W
R1179	1-216-819-11	METAL CHIP 680	5% 1/10W
R1180	1-216-808-11	METAL CHIP 82	5% 1/10W
R1181	1-216-814-11	METAL CHIP 270	5% 1/10W
R1187	1-216-833-11	METAL CHIP 10K	5% 1/10W
< SWITCH >			
S907	1-762-875-21	SWITCH, KEYBOARD (▶)	
S908	1-762-875-21	SWITCH, KEYBOARD (■)	
S909	1-762-875-21	SWITCH, KEYBOARD (■)	
S910	1-762-875-21	SWITCH, KEYBOARD (TUNING+ ▶▶)	
S911	1-762-875-21	SWITCH, KEYBOARD (TUNING- ◀◀)	
S912	1-762-875-21	SWITCH, KEYBOARD (ALBUM+ ▶▶)	

Ref. No.	Part No.	Description	Remarks
S913	1-762-875-21	SWITCH, KEYBOARD (ALBUM- ◀◀)	
S921	1-762-875-21	SWITCH, KEYBOARD (VIDEO/MD)	
S922	1-762-875-21	SWITCH, KEYBOARD (TV)	
S923	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)	
S924	1-762-875-21	SWITCH, KEYBOARD (TUNER BAND)	
S925	1-762-875-21	SWITCH, KEYBOARD (CD)	
S927	1-762-875-21	SWITCH, KEYBOARD (I/⏪)	
< VIBRATOR >			
X901	1-781-282-51	VIBRATOR, CERAMIC (4 MHz)	

PRIMARY BOARD			

< CAPACITOR >			
C1201	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1202	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1204	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1206	1-126-916-11	ELECT 1000uF 20%	6.3V
< CONNECTOR >			
CN1200	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P	
CN1202	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
CN1204	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
(AR, AUS)			
CN1204	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P	(E2, E3, E51)
< DIODE >			
D1200	6-501-193-01	DIODE 1SS355WTE-17	
< JUMPER RESISTOR >			
JR1202	1-216-864-11	SHORT CHIP 0	
< COIL >			
L1201	1-410-666-31	INDUCTOR 18uH	
< TRANSISTOR >			
Q1200	8-729-230-49	TRANSISTOR 2SC2712-YG	
< RESISTOR >			
R1200	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R1201	1-216-845-11	METAL CHIP 100K	5% 1/10W
< RELAY >			
△RY1200	1-755-299-11	RELAY	
< SWITCH >			
△S1200	1-771-291-31	SWITCH, POWER (VOLTAGE SELECTOR)	(E2, E3, E51)

SENSOR

SURROUND

Ref. No.	Part No.	Description	Remarks
	1-687-132-12	SENSOR BOARD *****	
		< CONNECTOR >	
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P	
		< IC >	
IC731	6-600-022-01	IC RPI-576	

	A-1156-249-A	SURROUND BOARD, COMPLETE (GNX800)	
	A-1156-252-A	SURROUND BOARD, COMPLETE (GNX700) *****	
		< CAPACITOR >	
C800	1-126-963-11	ELECT 4.7uF 20% 50V	
C801	1-100-717-91	CERAMIC CHIP 1uF 16V	
C802	1-104-658-91	ELECT 100uF 20% 10V	
C803	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C804	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C805	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C806	1-126-961-11	ELECT 2.2uF 20% 50V	
C807	1-100-717-91	CERAMIC CHIP 1uF 16V	
C808	1-131-749-11	CERAMIC CHIP 8.2PF 50V (GNX700)	
C820	1-126-964-11	ELECT 10uF 20% 50V	
C825	1-126-968-11	ELECT 100uF 20% 50V	
C826	1-126-968-11	ELECT 100uF 20% 50V	
C838	1-136-495-11	FILM 0.068uF 5% 50V	
C839	1-136-495-11	FILM 0.068uF 5% 50V	
C843	1-126-963-11	ELECT 4.7uF 20% 50V	
C850	1-126-963-11	ELECT 4.7uF 20% 50V	
C851	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C852	1-104-658-91	ELECT 100uF 20% 10V	
C853	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C858	1-131-749-11	CERAMIC CHIP 8.2PF 50V (GNX700)	
C888	1-136-495-11	FILM 0.068uF 5% 50V	
C889	1-136-495-11	FILM 0.068uF 5% 50V	
		< CONNECTOR >	
CN700	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P	
		< DIODE >	
D800	6-501-193-01	DIODE 1SS355WTE-17	
D810	6-501-193-01	DIODE 1SS355WTE-17	
D811	6-501-193-01	DIODE 1SS355WTE-17	
D812	6-501-193-01	DIODE 1SS355WTE-17	
D850	6-501-193-01	DIODE 1SS355WTE-17	
		< IC >	
IC800	6-705-845-01	IC STK403-090 (GNX700)	
IC800	6-705-853-01	IC STK403-120 (GNX800)	
		< TRANSISTOR >	
Q800	8-729-924-99	TRANSISTOR 2SC3722K-E	
Q810	8-729-023-22	TRANSISTOR 2SD2114K	
Q812	8-729-924-99	TRANSISTOR 2SC3722K-E	

Ref. No.	Part No.	Description	Remarks
Q814	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q815	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q850	8-729-924-99	TRANSISTOR 2SC3722K-E	
		< RESISTOR >	
R800	1-216-821-11	METAL CHIP 1K 5% 1/10W (GNX700)	
R800	1-216-833-11	METAL CHIP 10K 5% 1/10W (GNX800)	
R801	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R802	1-216-820-11	METAL CHIP 820 5% 1/10W (GNX700)	
R802	1-216-822-11	METAL CHIP 1.2K 5% 1/10W (GNX800)	
R803	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
△R804	1-217-637-00	FUSIBLE 1 5% 1/4W	
△R805	1-217-637-00	FUSIBLE 1 5% 1/4W	
R806	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R807	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R808	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R812	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R814	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R817	1-216-833-11	METAL CHIP 10K 5% 1/10W	
△R827	1-245-605-51	FUSIBLE 100 5% 1/4W	
△R828	1-245-605-51	FUSIBLE 100 5% 1/4W	
△R838	1-220-893-11	METAL 0.22 10% 5W	
R839	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R840	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R841	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R842	1-245-711-31	CARBON 10 5% 1/2W	
R843	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R850	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R851	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R852	1-216-821-11	METAL CHIP 1K 5% 1/10W (GNX700)	
R852	1-218-457-11	METAL CHIP 910 5% 1/10W (GNX800)	
R858	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R860	1-216-842-11	METAL CHIP 56K 5% 1/10W	
R861	1-216-841-11	METAL CHIP 47K 5% 1/10W	
△R862	1-260-086-31	CARBON 82 5% 1/2W	
R863	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R864	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R865	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R866	1-216-837-11	METAL CHIP 22K 5% 1/10W	
△R888	1-220-893-11	METAL 0.22 10% 5W	
R889	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R890	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R891	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R892	1-245-711-31	CARBON 10 5% 1/2W	
		< RELAY >	
RY862	1-755-500-11	RELAY	

HCD-GNX700/GNX800

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SW **TRANS**

Ref. No.	Part No.	Description	Remarks
	1-687-669-12	SW BOARD ***** < SWITCH >	
S751	1-786-514-11	SWITCH, LEVER (SLIDE) (LEVEL) *****	
		TRANS BOARD *****	
	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	1-128-576-11	ELECT	100uF 20% 63V
		< CONNECTOR >	
* CN1212	1-564-522-11	PLUG, CONNECTOR 7P	
* CN1213	1-564-521-11	PLUG, CONNECTOR 6P	
		< DIODE >	
D1264	8-719-071-83	DIODE HZU36BTRF	
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

		MISCELLANEOUS *****	
△	1-569-008-21	ADAPTOR, CONVERSION (E2, E3, E51)	
5	1-693-702-21	TUNER (FM/AM) (TM10SE)	
△ 7	1-468-737-51	POWER SWITCHING	
8	1-824-048-12	WIRE (FLAT TYPE) (27 CORE)	
10	1-823-718-11	WIRE (FLAT TYPE) (17 CORE) (100mm)	
65	1-828-990-11	WIRE (FLAT TYPE) (17 CORE) (80mm)	
66	1-828-991-11	WIRE (FLAT TYPE) (17 CORE) (100mm)	
△ 157	1-777-071-53	CORD, POWER (E2,E3,E51)	
△ 157	1-783-941-12	CORD, POWER (AR)	
△ 157	1-827-295-22	CORD, POWER (AUS)	
202	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
251	1-471-035-11	MAGNET ASSY	
276	1-832-404-21	CABLE, FLEXIBLE FLAT (16 CORE)	
△ 279	8-820-244-01	OPTICAL PICK-UP KSM-215DCP/C2NP	
△ F1241	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
△ F1251	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
△ F1261	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
△ F1271	1-533-949-33	FUSE, CYLINDRICAL (TIME LUG) (T8AL/250V)	
△ F1281	1-532-465-33	FUSE (T3.15AL/250V)	
M741	A-1108-965-A	MOTOR ASSY, TABLE (TABLE)	
M751	A-4737-553-A	MOTOR ASSY, LOADING (TABLE LOADING)	

Ref. No.	Part No.	Description	Remarks
M891	1-787-400-11	D.C. FAN	
S711	1-477-680-12	ENCODER, ROTARY	
△ T1200	1-443-538-11	POWER TRANSFORMER (GNX800)	
△ T1200	1-443-972-11	POWER TRANSFORMER (GNX700)	

MEMO

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