

# HCD-WZ5

## SERVICE MANUAL

Ver 1.0 2003. 04

AEP Model  
UK Model  
E Model  
Australian Model



- HCD-WZ5 is the tuner, and CD section in MHC-WZ5.

|               |                                    |                |
|---------------|------------------------------------|----------------|
| CD<br>Section | Model Name Using Similar Mechanism | NEW            |
|               | CD Mechanism Type                  | CDM77B-K6BD47S |
|               | Base Unit Name                     | BU-K6BD47S     |
|               | Optical Pick-up Name               | KSS-213D       |

### SPECIFICATIONS

#### CD player section

|                                                              |                                                                          |
|--------------------------------------------------------------|--------------------------------------------------------------------------|
| System                                                       | Compact disc and digital audio system                                    |
| Laser                                                        | Semiconductor laser ( $\lambda=780$ nm)<br>Emission duration: continuous |
| Frequency response                                           | 2 Hz – 20 kHz ( $\pm 0.5$ dB)                                            |
| Wavelength                                                   | 780 – 790 nm                                                             |
| Signal-to-noise ratio                                        | More than 90 dB                                                          |
| Dynamic range                                                | More than 90 dB                                                          |
| OPTICAL CD DIGITAL OUT (European and Australian models only) |                                                                          |
| (Square optical connector jack, rear panel)                  |                                                                          |
| Wavelength                                                   | 660 nm                                                                   |

#### 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 ohms unbalanced |
| Intermediate frequency | 10.7 MHz           |

#### AM tuner section

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Tuning range           |                                                             |
| European model:        | 531 – 1,602 kHz<br>(with the tuning interval set at 9 kHz)  |
| Latin American model:  | 530 – 1,710 kHz<br>(with the tuning interval set at 10 kHz) |
|                        | 531 – 1,710 kHz<br>(with the tuning interval set at 9 kHz)  |
| Other model:           | 530 – 1,710 kHz<br>(with the tuning interval set at 10 kHz) |
|                        | 531 – 1,602 kHz<br>(with the tuning interval set at 9 kHz)  |
| antenna                | AM loop antenna                                             |
| antenna terminals      | External antenna terminal                                   |
| Intermediate frequency | 450 kHz                                                     |

#### General

|                                                                                                                          |                                                   |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Power requirements                                                                                                       |                                                   |
| Power voltage is D 9V and fed with STEREO CASSETTE DECK AMPLIFIER (DXA-WZ5) from the external SYSTEM CONTROL connectors. |                                                   |
| Power consumption                                                                                                        |                                                   |
| European model:                                                                                                          | 150 watts<br>0.3 watts (at the Power Saving Mode) |
| Except for European model:                                                                                               |                                                   |
| 180 watts                                                                                                                |                                                   |
| Dimensions (w/h/d)                                                                                                       |                                                   |
| CD player/Tuner:                                                                                                         | Approx. 255 × 135 × 355 mm                        |
| Mass                                                                                                                     | 355 mm                                            |
| CD player/Tuner:                                                                                                         | Approx. 2.8 kg                                    |

Design and specifications are subject to change without notice.

## COMPACT DISC TUNER

# SONY®

9-877-331-01  
2003D1600-1  
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**Sony Corporation**  
Home Audio Company  
Published by Sony Engineering Corporation

# HCD-WZ5

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

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

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

## NOTES ON LASER DIODE EMISSION CHECK

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

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

CLASS 1 LASER PRODUCT  
LUOKAN 1 LASERLAITE  
KLASS 1 LASERAPPARAT

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

The following caution label is located inside the apparatus.

**CAUTION** : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.  
**ADVARSEL** : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.  
**VORSICHT** : UNSICHTBARE LASERSTRALUNG, WENN ABDECKUNG GEÖFFNET UND SICHERITVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.  
**VARO!** : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALT-TIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.  
**VARNING** : OSYNLIG LASERSTRÅLING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN.  
**ADVERSEL** : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.  
**VIGYÁZAT!** : A BURKOLAT NYITÁSAKOR LÁTHATATLAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!

## CAUTION

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

## Notes on chip component replacement

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

## Flexible Circuit Board Repairing

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

## TABLE OF CONTENTS

|                                                                               |    |
|-------------------------------------------------------------------------------|----|
| <b>1. GENERAL</b>                                                             | 4  |
| <b>2. DISASSEMBLY</b>                                                         |    |
| 2-1. Case                                                                     | 7  |
| 2-2. Front Panel Assy                                                         | 8  |
| 2-3. PANEL Board, CD-TC-SW Board, ENTER-SW Board, BACK-LIGHT Board, LCD Board | 8  |
| 2-4. Tuner (FM/AM), WOOFER Board                                              | 9  |
| 2-5. MAIN Board, REGULATOR Board, HP-AMP Board                                | 9  |
| 2-6. CD mechanism deck (CDM77B-K6BD47S)                                       | 10 |
| 2-7. Tray (AU)                                                                | 10 |
| 2-8. MS-128 Board                                                             | 11 |
| 2-9. Base Unit (BU-K6BD47S)                                                   | 11 |
| 2-10. CD Board, Optical Pick-Up Block (KSM-213DCP/Z-NP)                       | 12 |
| 2-11. Optical Pick-Up (KSS-213D/Q-RP)                                         | 12 |
| <b>3. ELECTRICAL ADJUSTMENTS</b>                                              | 13 |
| <b>4. TEST MODE</b>                                                           | 14 |
| <b>5. DIAGRAMS</b>                                                            |    |
| 5-1. Circuit Boards Location                                                  | 15 |
| 5-2. Block Diagrams - Main Section -                                          | 16 |
| 5-3. Printed Wiring Board - CD Board -                                        | 17 |
| 5-4. Schematic Diagram - CD Board -                                           | 18 |
| 5-5. Printed Wiring Board - MAIN Section -                                    | 19 |
| 5-6. Schematic Diagram - MAIN Section (1/2) -                                 | 20 |
| - MAIN Section (2/2) -                                                        | 21 |
| 5-7. Printed Wiring Board - PANEL Board -                                     | 22 |
| 5-8. Schematic Diagram - PANEL Board -                                        | 23 |
| 5-9. Printed Wiring Board - LCD/SWITCH Section -                              | 24 |
| 5-10. Schematic Diagram - LCD/SWITCH Section -                                | 25 |
| 5-11. Printed Wiring Board - REGULATOR Board -                                | 26 |
| 5-12. Schematic Diagram - REGULATOR Board -                                   | 27 |
| 5-13. IC Block Diagrams                                                       | 28 |
| 5-14. IC Pin Function Description                                             | 29 |
| <b>6. EXPLODED VIEWS</b>                                                      |    |
| 6-1. Front Panel Section                                                      | 31 |
| 6-2. Chassis Section                                                          | 32 |
| 6-3. CD Mechanism Deck Section                                                | 33 |
| 6-4. KSM-213DCP/Z-NP                                                          | 34 |
| <b>7. ELECTRICAL PARTS LIST</b>                                               | 35 |

**[When bringing in the equipment for service]**

In case of repairing, please bring the entire system set([HCD-WZ5, DXA-WZ5],except for the speaker) to the service station.

**Unleaded solder**

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

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


**: LEAD FREE MARK**

Unleaded solder has the following characteristics.

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

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

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

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

- Strong viscosity

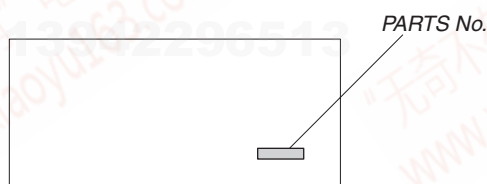
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

- Usable with ordinary solder

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

**MODEL IDENTIFICATION**

— BACK PANEL —



| MODEL          | PARTS No.    |
|----------------|--------------|
| AEP, UK models | 4-244-440-0□ |
| E2, E3 models  | 4-244-440-1□ |
| AUS model      | 4-244-440-2□ |
| KR, TW models  | 4-244-440-7□ |

- Abbreviation

AUS : Australian model

E2 : 120V AC Area in E model

E3 : 240V AC Area in E model

KR : Korean model

TW : Taiwan model

**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.

## SECTION 1 GENERAL

This section is extracted  
from instruction manual.

### Main unit

#### ALPHABETICAL ORDER

##### A - L

CD [5] (9, 10, 17, 18)  
CD SYNC [9] (17)  
Control lever [7] (7, 20)  
DIMMER [20] (24)  
Disc tray [22]  
DISPLAY [19] (15, 23, 24)  
Display window [21]  
EQ EDIT [18] (20, 29)  
GROOVE [7] (19)  
Headphone jack [12]

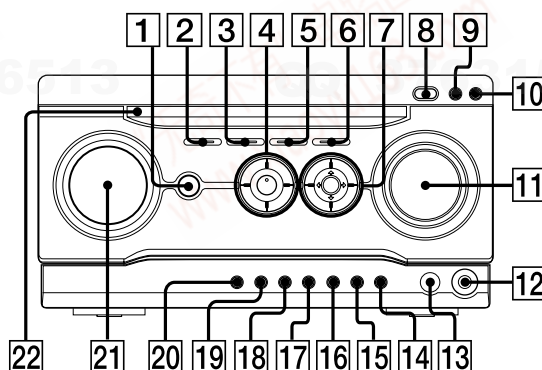
##### M - Z

MD (VIDEO) [2] (26)  
MOVIE MODE [7] (19)  
MUSIC MODE [7] (19, 20)  
PLAY MODE/DIRECTION [15]  
(9, 10, 16, 17, 18, 30)  
PUSH ENTER [7] (8, 10, 12, 20,  
21, 22)  
Remote sensor [13]  
REPEAT/FM MODE [16] (10, 14)  
SURROUND [7] (20)  
TAPE A/B [3] (16, 17, 18)  
TUNER MEMORY [14] (12)  
TUNER/BAND [6] (12, 13, 18)  
TUNING MODE [17] (12, 13)  
VOLUME [11] (21)

#### BUTTON DESCRIPTIONS

I/⏻ (power) [1] (7, 13, 21, 29)  
⏸ (pause) [4] (9, 16)  
◀▶ (play) [4] (9, 16, 17)  
■ (stop) [4] (7, 9, 13, 16, 17, 29)  
+▶▶▶▶ (fast forward/go  
forward) [4] (8, 9, 12, 16, 21,  
30)  
◀◀◀◀ (rewind/go back) [4]  
(8, 9, 12, 16, 21)  
⏶ (open/close) [8] (8)  
● START [10] (17, 18)

CD player/Tuner



QQ 376315150

892498299

## Remote control

### ALPHABETICAL ORDER

#### A - L

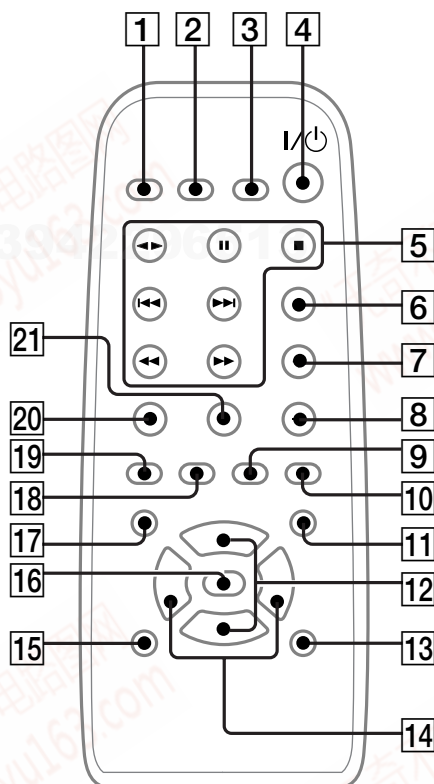
ALBUM +/- [14] (9, 10)  
CD [9] (9, 10, 17, 18)  
CLEAR [8] (11)  
CLOCK/TIMER SELECT [2]  
(22, 23)  
CLOCK/TIMER SET [3] (8, 21,  
22)  
DISPLAY [6] (15, 23, 24)  
DIMMER [7] (24)  
EFFECT [16] (19, 20)  
ENTER [21] (8, 10, 12, 20, 22)  
GROOVE [15] (19)

#### M - Z

MD (VIDEO) [19] (26)  
MOVIE MODE [11] (19)  
MUSIC MODE [17] (19, 20)  
PRESET +/- [5] (12, 13)  
PROGRAM EDIT [20] (17)  
SLEEP [1] (21)  
SURROUND [13] (20)  
TAPE A/B [18] (16, 17, 18)  
TUNER/BAND [10] (12, 13, 18)  
TUNING +/- [5] (12, 13)  
VOL +/- [12] (21)

### BUTTON DESCRIPTIONS

I/⏻ (power) [4] (7, 13, 21)  
◀◀/▶▶ (rewind/fast forward)  
[5] (9, 16, 30)  
◀◀/▶▶ (go back/go forward)  
[5] (8, 9, 16, 21)  
▶▶ (play) [5] (9, 16, 17)  
⏸ (pause) [5] (9, 16)  
■ (stop) [5] (9, 13, 16, 17)



## Setting the clock

Use buttons on the remote for the operation.

- 1** Press I/⏻ to turn on the system.
- 2** Press CLOCK/TIMER SET.
- 3** Press ◀◀ or ▶▶ repeatedly to set the hour.
- 4** Press ENTER.
- 5** Press ◀◀ or ▶▶ repeatedly to set the minute.
- 6** Press ENTER.

The clock starts working.

### To adjust the clock

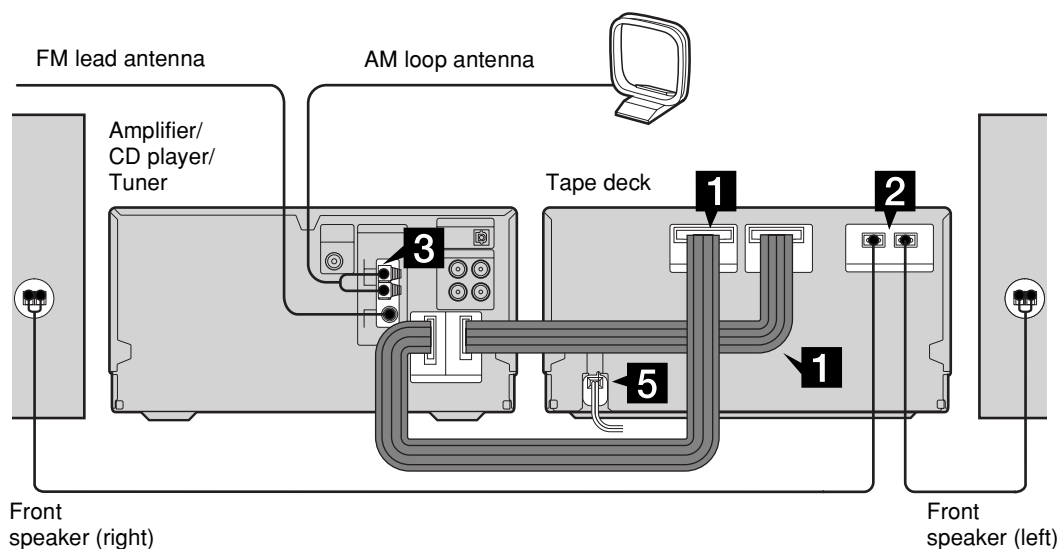
- 1** Press CLOCK/TIMER SET.
- 2** Press ◀◀ or ▶▶ repeatedly to select "CLOCK SET?", then press ENTER.
- 3** Do the same procedures as step 3 to 6 above.

www.xiaoyu163.com

## Getting Started

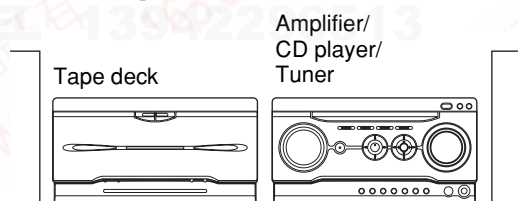
### Hooking up the system

Perform the following procedures **1** to **5** to hook up your system using the supplied cords and accessories. Australian model is used for illustration purpose.



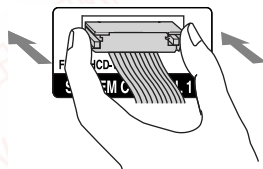
#### Preparation

Place the components as shown below.



#### 1 Connect the system control cables to the SYSTEM CONTROL connectors on the tape deck.

Connect to the same numbered jack in the order indicated on the rear panel.

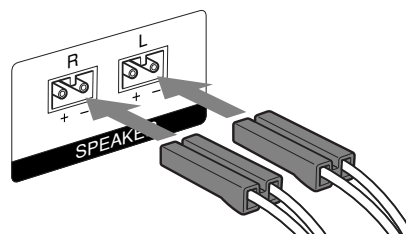


#### Note

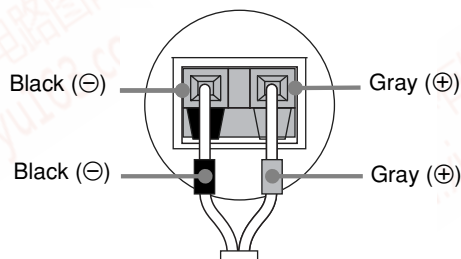
The system cable is used to send signals and electricity between the components for interlinked operation. Be sure to insert the connector horizontally until it clicks into place. Otherwise the system will not operate correctly.

#### 2 Connect the speakers.

Connect the speaker cords to the SPEAKER terminals on the tape deck and to the terminals on the speakers as shown below.

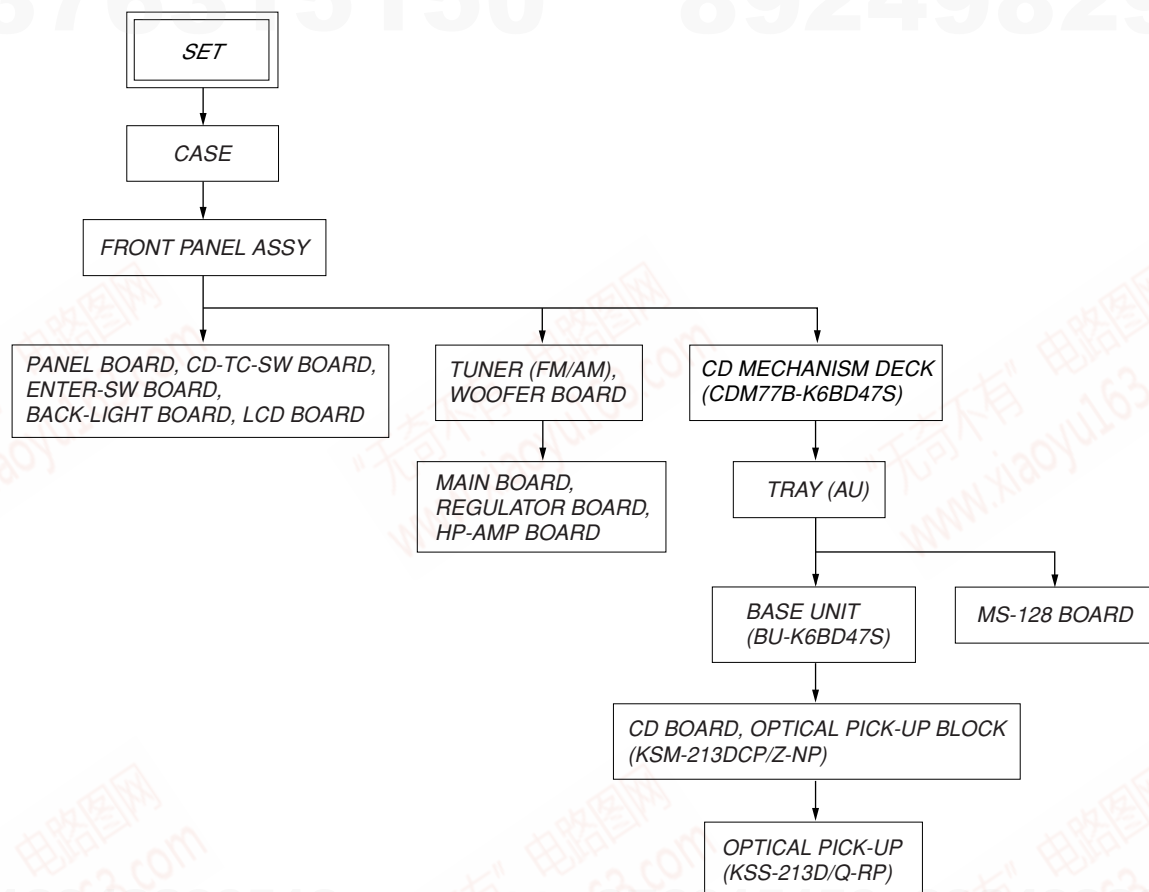


Speakers



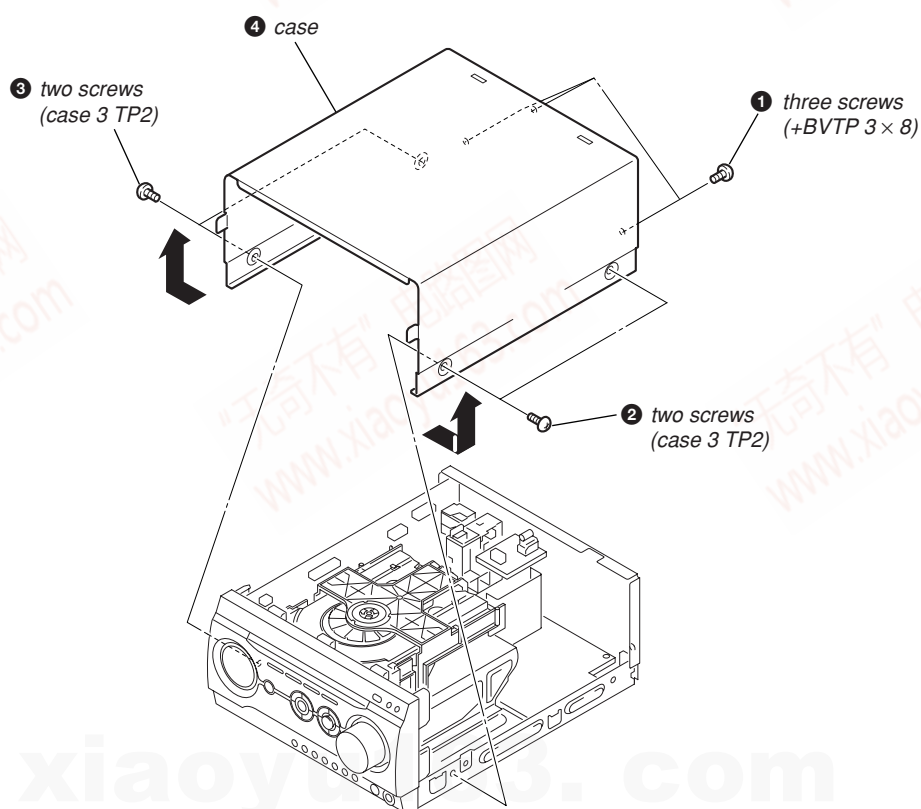
## SECTION 2 DISASSEMBLY

- The equipment can be removed using the following procedure.



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

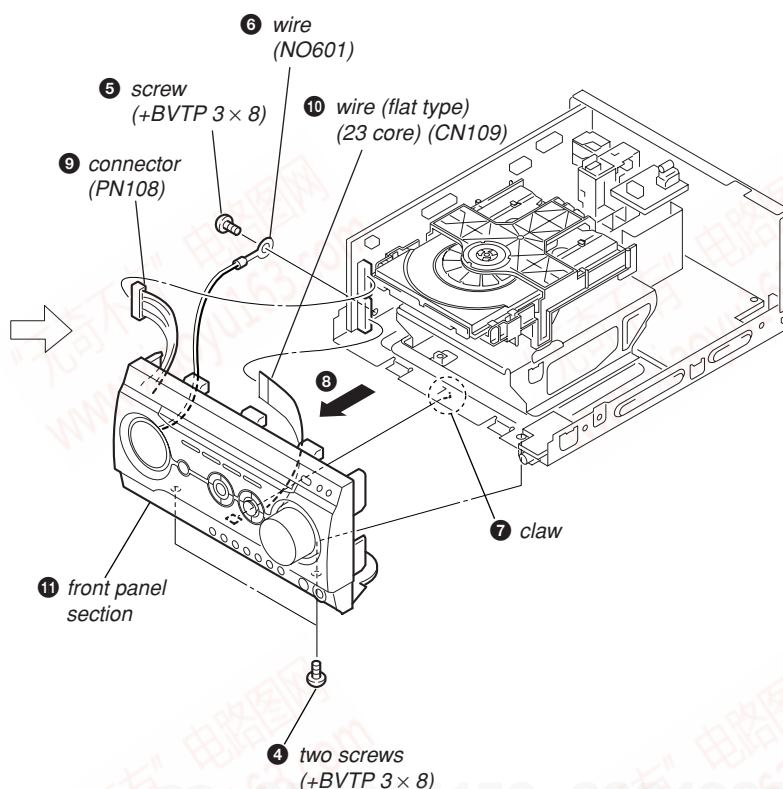
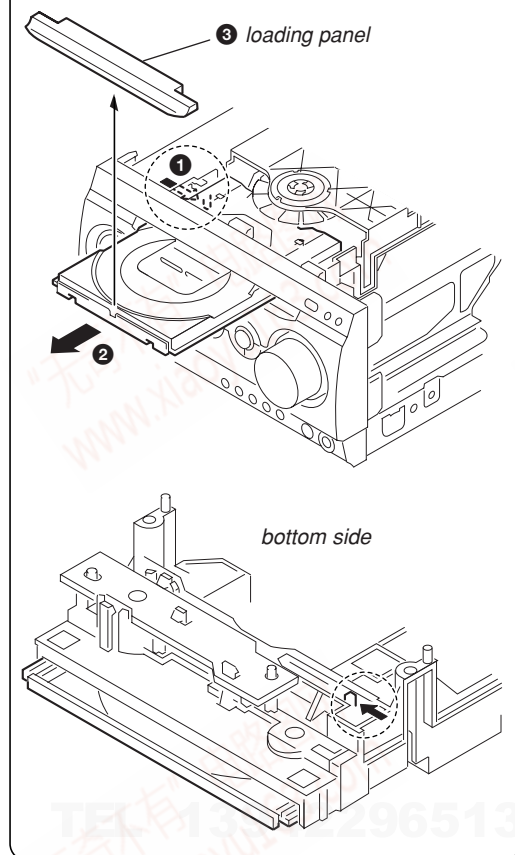
### 2-1. Case



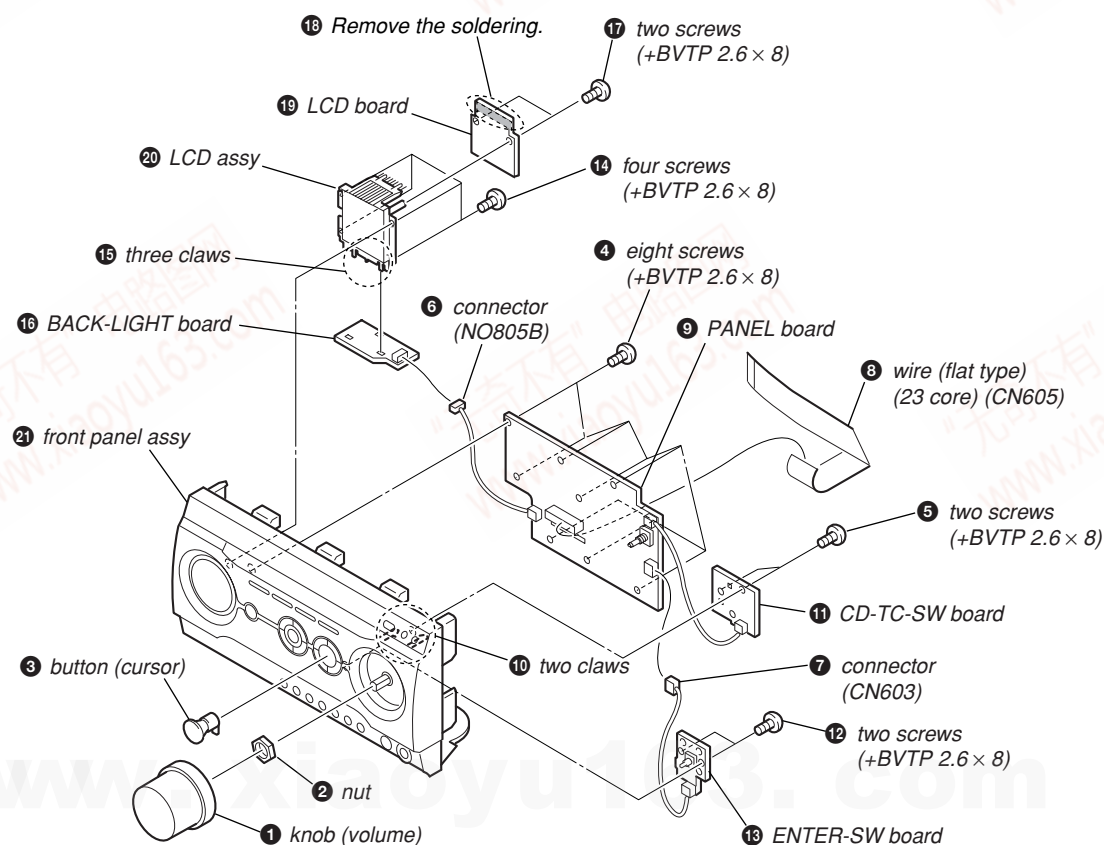
# HCD-WZ5

## 2-2. Front Panel Assy

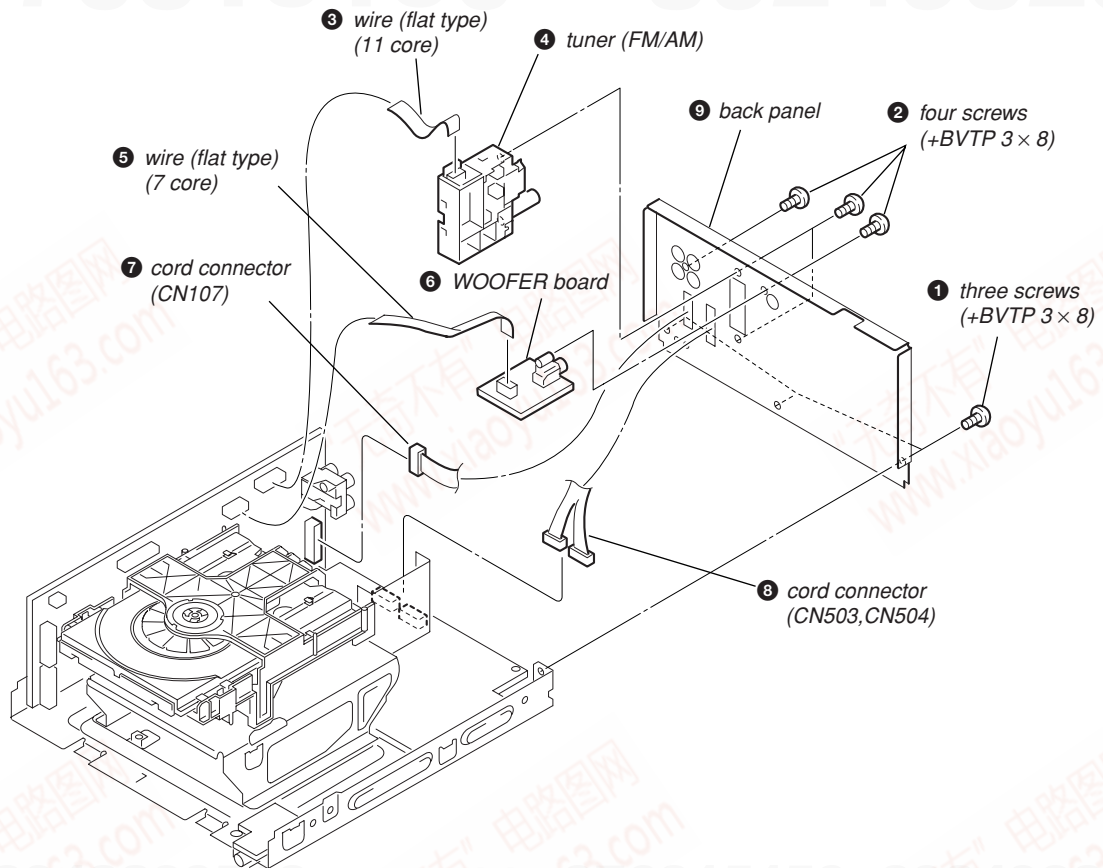
How to eject the disk tray when the main power cannot be turned on.



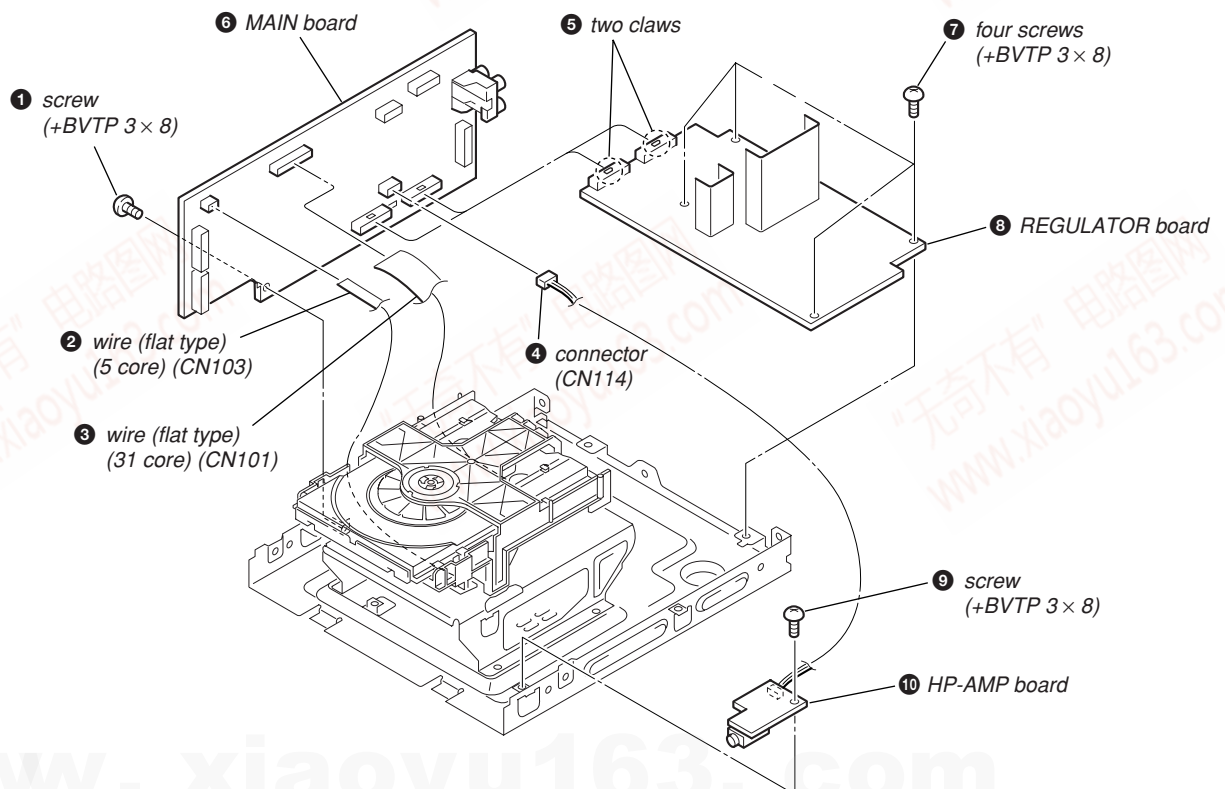
## 2-3. PANEL Board, CD-TC-SW Board, ENTER-SW Board, BACK-LIGHT Board, LCD Board



## 2-4. Tuner (FM/AM), WOOFER Board

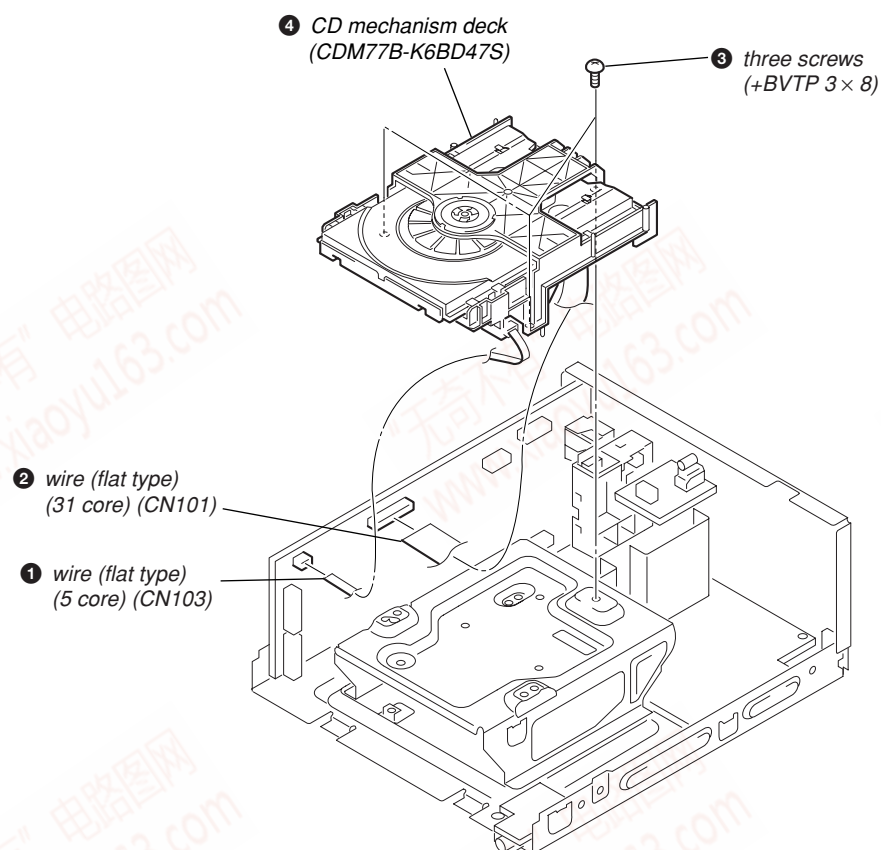


## 2-5. MAIN Board, REGULATOR Board, HP-AMP Board

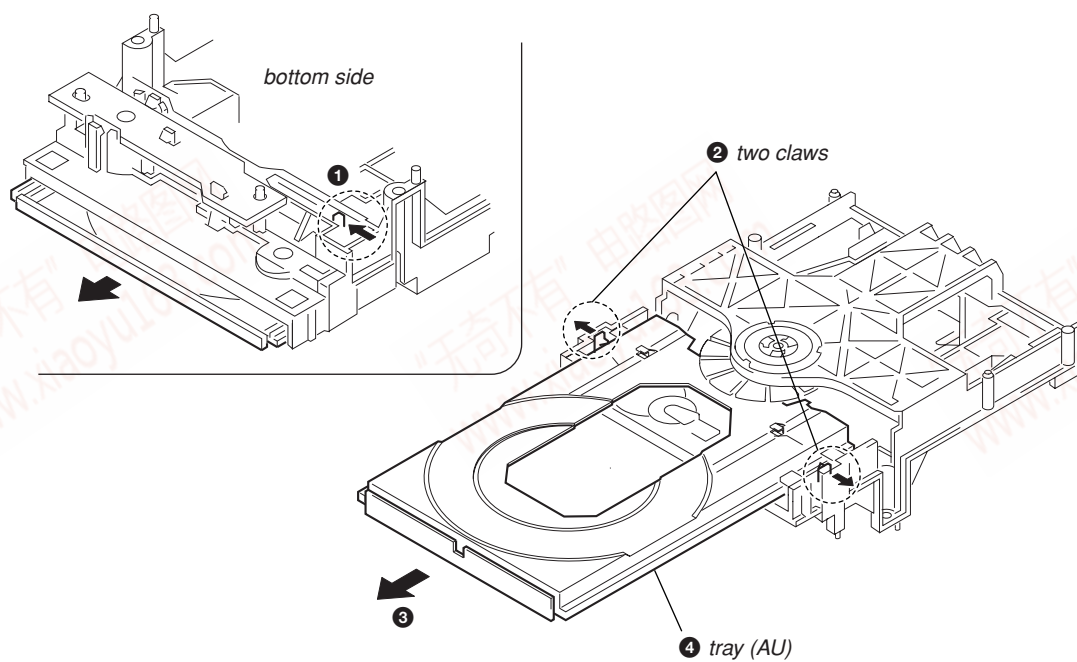


## HCD-WZ5

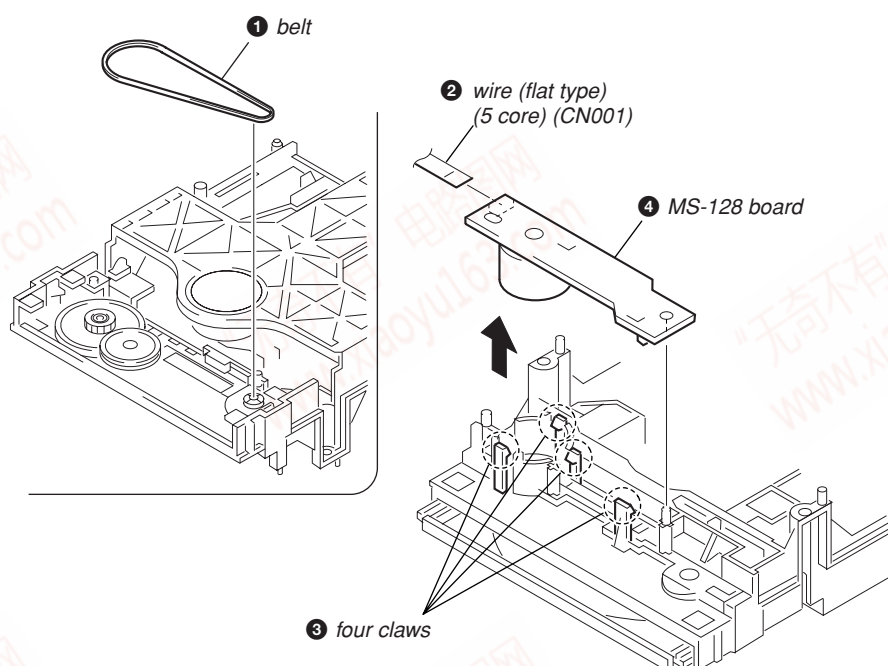
### 2-6. CD mechanism deck (CDM77B-K6BD47S)



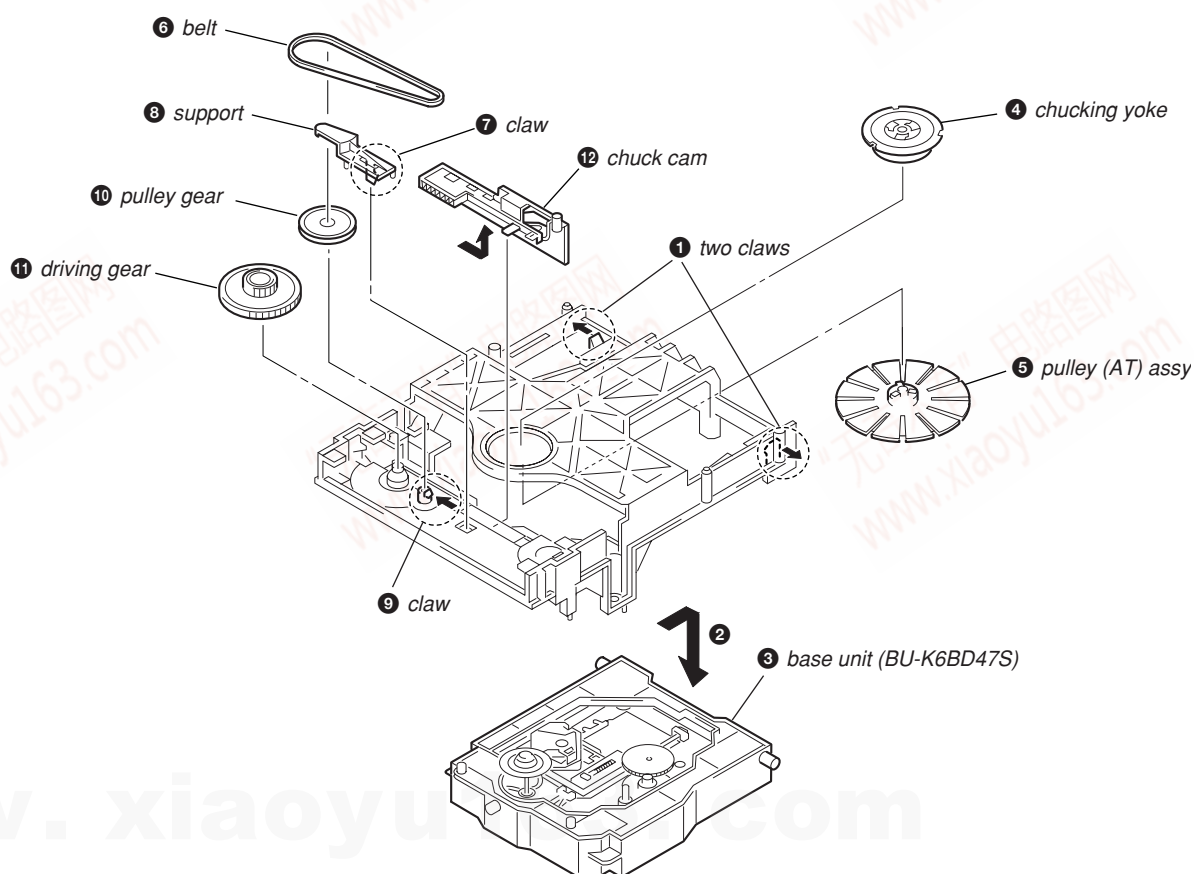
### 2-7. Tray (AU)



## 2-8. MS-128 Board

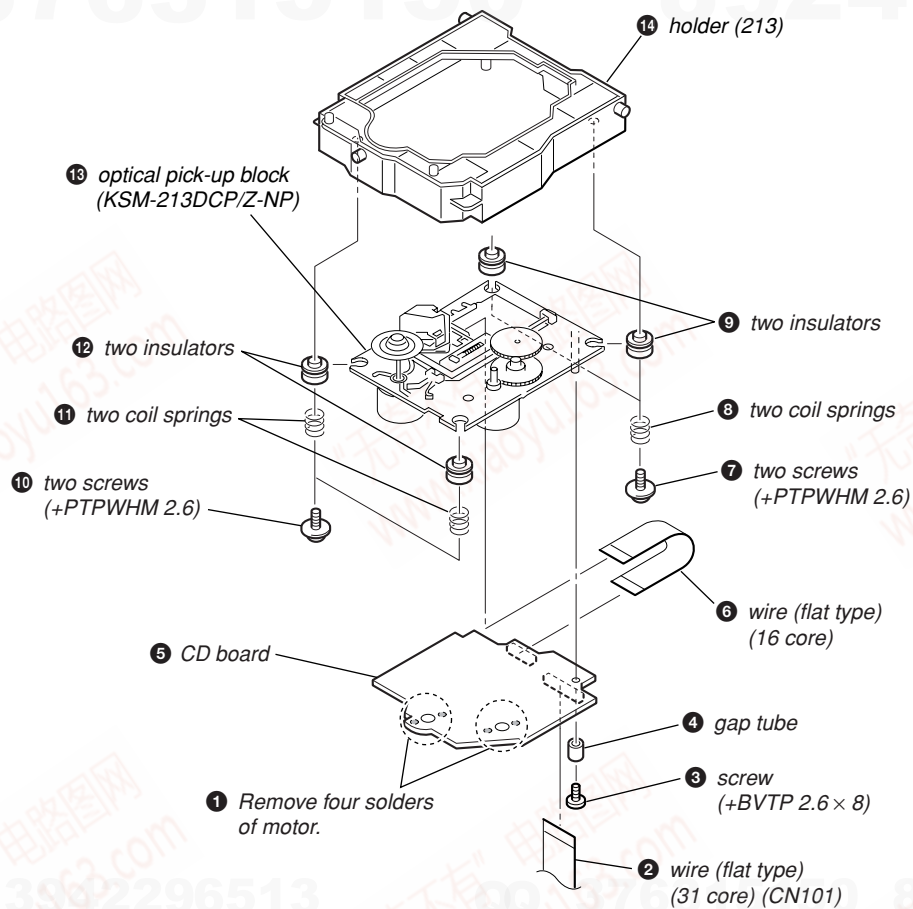


## 2-9. Base Unit (BU-K6BD47S)

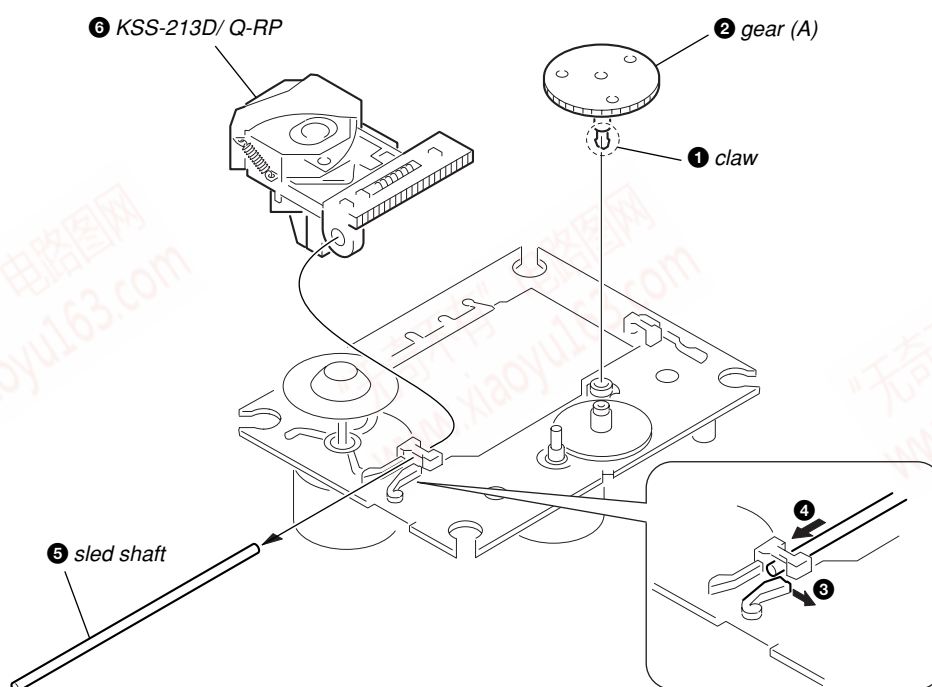


## HCD-WZ5

### 2-10. CD Board, Optical Pick-Up Block (KSM-213DCP/Z-NP)



### 2-11. Optical Pick-Up (KSS-213D/Q-RP)



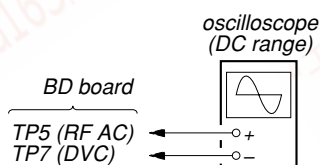
## SECTION 3 ELECTRICAL ADJUSTMENTS

### CD SECTION

#### Note:

1. CD Block is basically constructed to operate without adjustment.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10 M $\Omega$  impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Check the focus bias check when optical block is replaced.

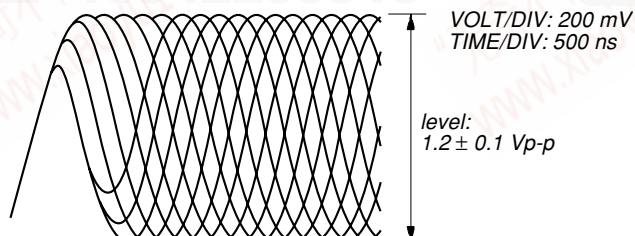
#### Focus Bias Check



#### Procedure :

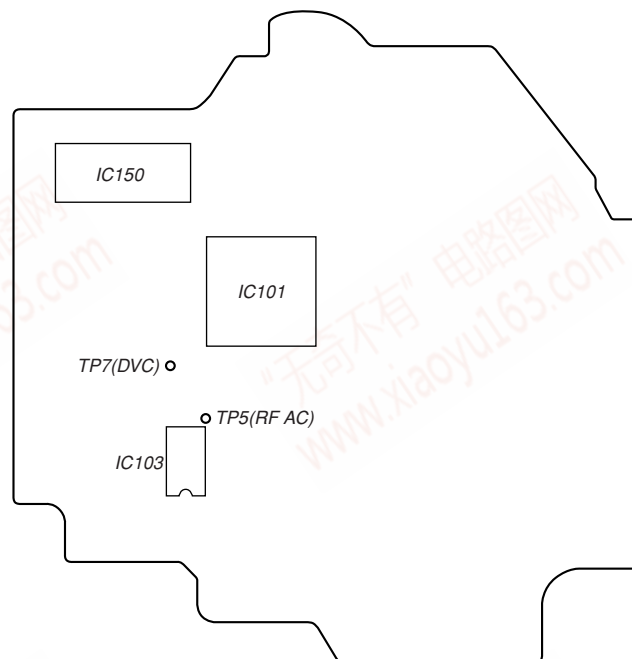
1. Connect an oscilloscope to TP5 (RF AC) and TP7 (DVC) on the CD board.
2. Press the button to turn the power on, and press the button to open the CD disc tray.
3. Put the test disc (YEDS-18) in and press the button to play-back.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)

A good eye pattern means that the diamond shape ( $\diamond$ ) in the center of the waveform can be clearly distinguished.



#### Checking Location:

#### – CD BOARD (Side B) –



## SECTION 4

### TEST MODE

#### [Cold Reset]

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

##### Procedure:

- Press three buttons ,  and  simultaneously.
- The liquid crystal display does not display any message and the set is reset.

#### [MD/VIDEO Function Selection Mode]

- This mode is used to select the function of MD or VIDEO.

##### Procedure:

- Press the  button to turn the set on.
- Press the  and  buttons simultaneously.
- The function will change from MD to VIDEO, and "VIDEO" is displayed.
- To change change back to MD, repeat the same procedure.

#### [AM Channel Step 9 kHz/10kHz Selection Mode]

- Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

##### Procedure:

- Set the function to AM.
- Turn off the main power.
- While depressing the  button, press the  button to turn on the main power.
- The channel step is changed over.

\* For E model only

#### [CD Ship Mode (without Cold Reset)]

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

##### Procedure:

- Press the  button to turn the set on.
- Set the function to CD.
- Press the  button and the  (Control lever) button simultaneously.
- After the "STANDBY" display blinks six times, the message "LOCK" is displayed on the liquid crystal display, and the CD ship mode is set.

#### [CD Ship Mode (without Cold Reset)]

- This mode is used to perform the CD Ship Mode with Cold Reset.

##### Procedure:

- Press the  button to turn the set on.
- Set the function to CD.
- Press three buttons ,  (REC PAUSE) and  simultaneously.
- After the "STANDBY" display blinks six times, the message "LOCK" is displayed on the liquid crystal display, and the CD ship mode is set.

#### [Disc Tray Lock]

- The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

##### Setting Procedure :

- Press the  button to turn the set on.
- Set the function to CD.
- Press two buttons of  and  simultaneously for five seconds.
- The message "LOCKED" is displayed and the tray is locked.

##### Releasing Procedure :

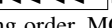
- Press two buttons of  and  simultaneously for five seconds again.
- The message "UNLOCKED" is displayed and the tray is unlocked.

Note : When "LOCKED" is displayed, the tray lock is not released by turning power on/off with the  button.

#### [GC Test Mode]

- This mode is used to check the software version, key board, VACS level, liquid crystal display and LEDs.

##### Procedure:

- Press three buttons ,  (REC PAUSE) and  simultaneously.
- Segments of the liquid crystal display and LEDs are all turned on.
- To enter the software version display mode, press the  button. The model name and destination are displayed.
- Each time the  button is pressed, the display changes in the following order. MC, GC, CD, CDD, CDMA, CDMB, BDA, BDB, ST, TA, TM, TC and MD. Each time the  button is pressed, the contents of the version display change.
- Press the  button, and the key check mode is activated.
- In the key check mode, "K 0 V 0" is displayed. Each time a button is pressed, "K 0" value increases. However, once a button is pressed, it is no longer taken into account. "V 0" value increases like 1, 2, 3 ... if rotating the VOLUME knob clockwise, or it decreases like 0, 9, 8 ... if rotating counterclockwise.
- To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

#### • VACS Level Display Mode

##### Procedure:

- Press three buttons ,  (REC PAUSE) and  simultaneously.
- Press the  button. The VACS level "VACS 0+0" is displayed.
- To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

#### • Display Check

##### Procedure:

- Press three buttons ,  (REC PAUSE) and  simultaneously.
- Press the  button and the display changes. Each time the  button is pressed, the pattern of segments changes.
- To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

#### [VACS ON/OFF Mode]

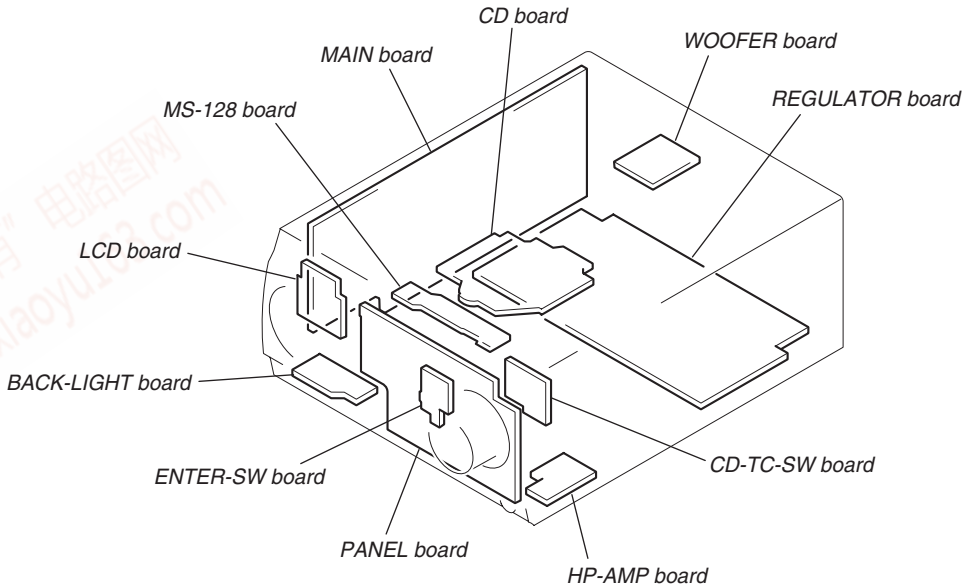
- This mode is used to switch on and off the VACS (Variable Attenuation Control System).

##### Procedure:

- Press the  button to turn the set on.
- To enter the test mode, press three buttons ,  (REC PAUSE) and  simultaneously.
- The message "VACS OFF" or "VACS ON" appears.

SECTION 5  
DIAGRAMS

5-1. Circuit Boards Location



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.  
(In addition to this, the necessary note is printed in each block.)

Note on Schematic Diagram:

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

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

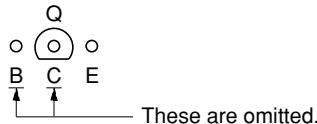
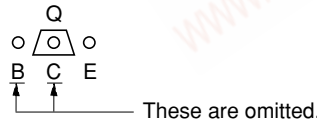
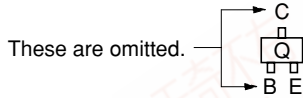
- : B+ Line.
- : B- Line.
- : adjustment for repair.
- Power voltage is DC 4V, 9V and fed with DXA-WZ5 from external connector (SYSTEM CONTROL 1).
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10 M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.  
no mark : FM  
< : CD  
> : TAPE  
[ ] : TAPE
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.  
 : FM  
 : PB (TAPE)  
 : REC (TAPE)  
 : CD  
 : MD  
 : digital out
- Abbreviation  
AUS : Australian model  
E2 : 120V AC Area in E model  
E3 : 240V AC Area in E model  
KR : Korean model  
TW : Taiwan model

Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Pattern from the side which enables seeing.

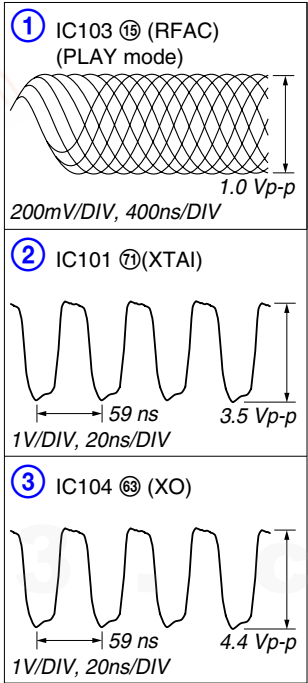
**Caution:**  
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.  
Parts face side: Parts on the parts face side seen from the parts face are indicated.

• Indication of transistor.

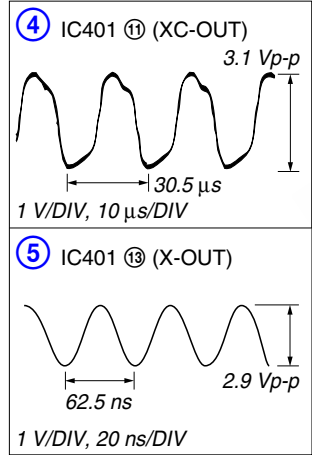


• Waveforms

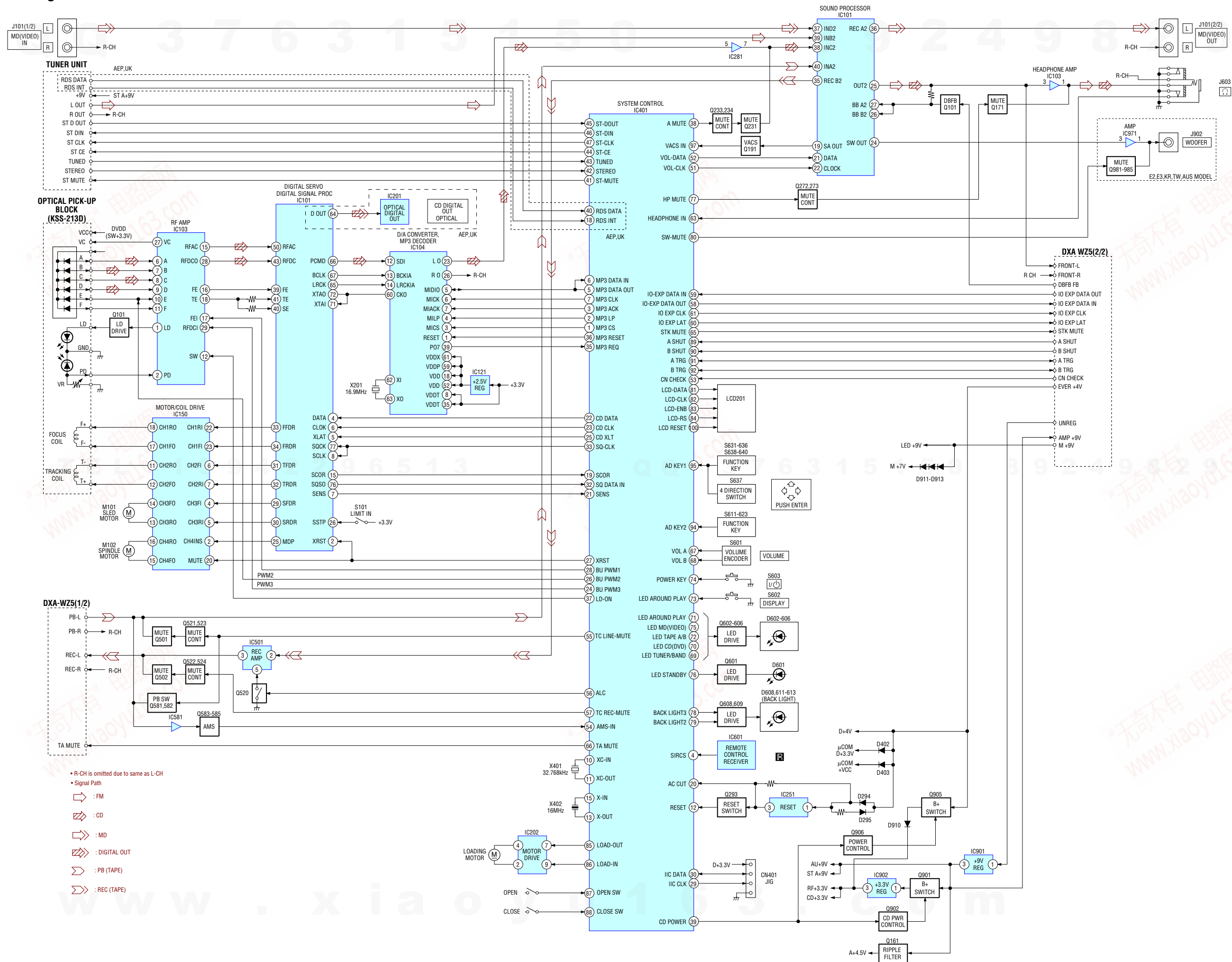
– CD Board –



– MAIN Board –

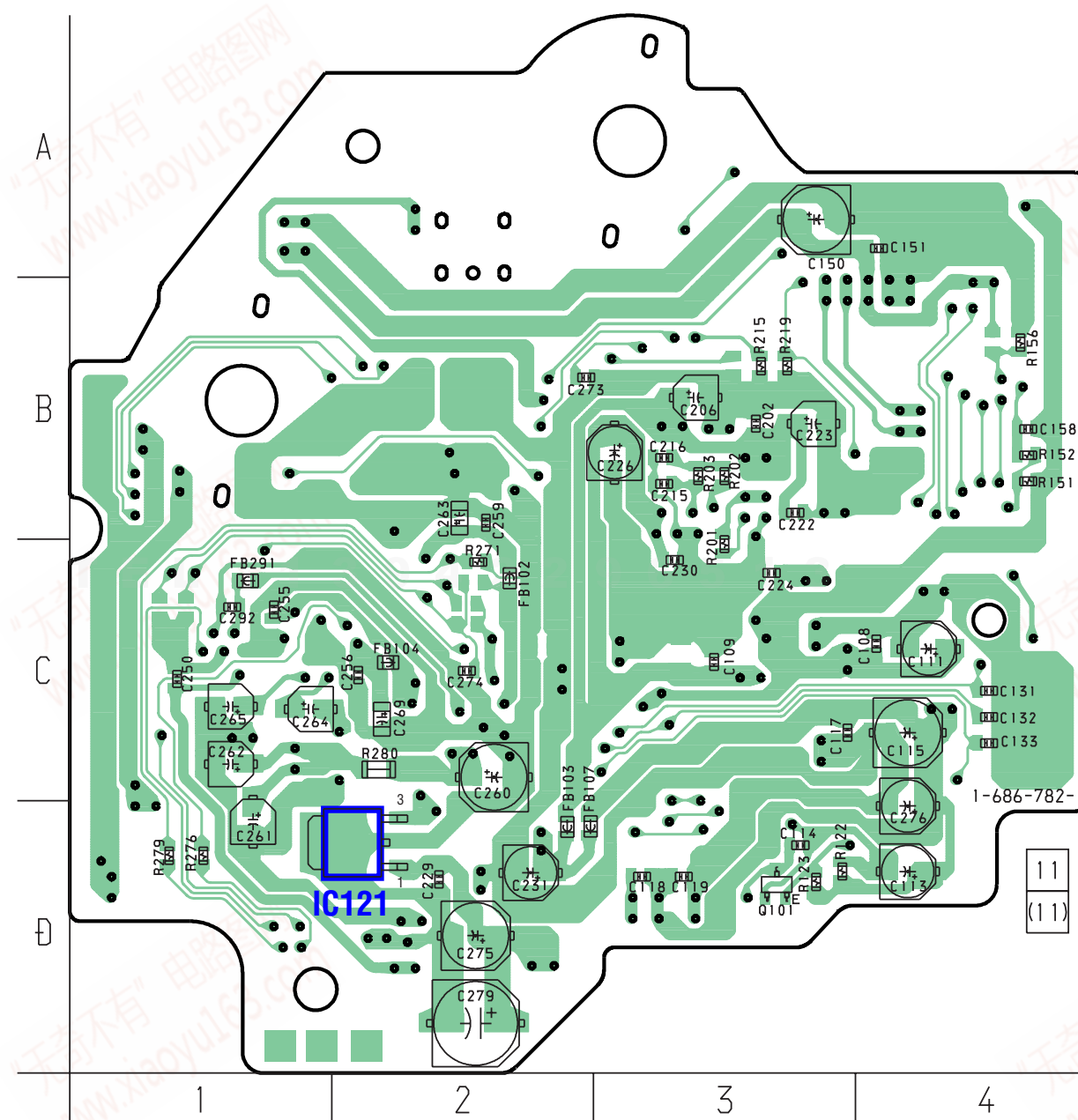


5-2. Block Diagrams - Main Section -

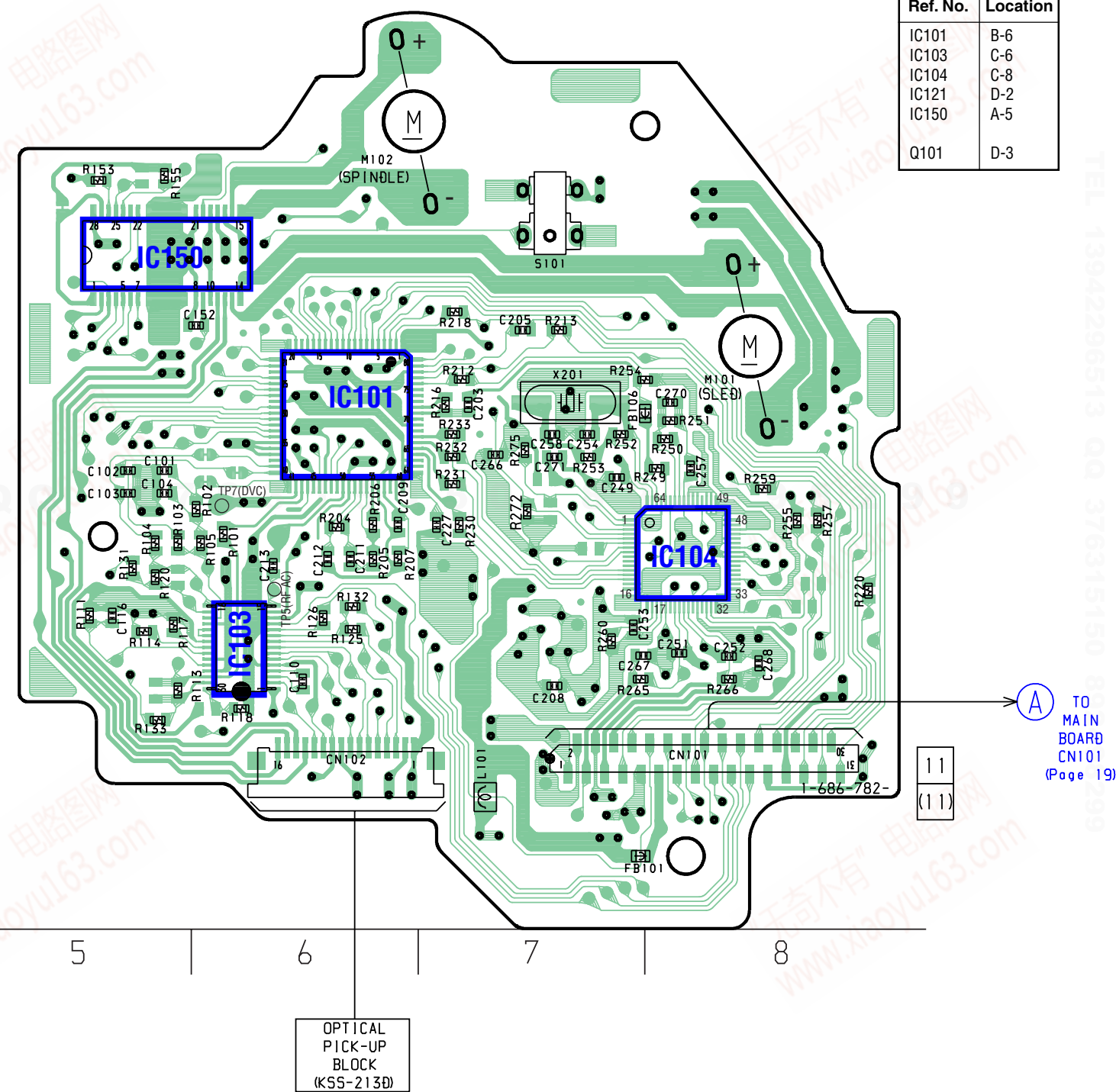


**5-3. Printed Wiring Board - CD Board -** •  : Uses unleaded solder. • See page 15 for Circuit Boards Location.

【CD BOARD】(SIDE A)



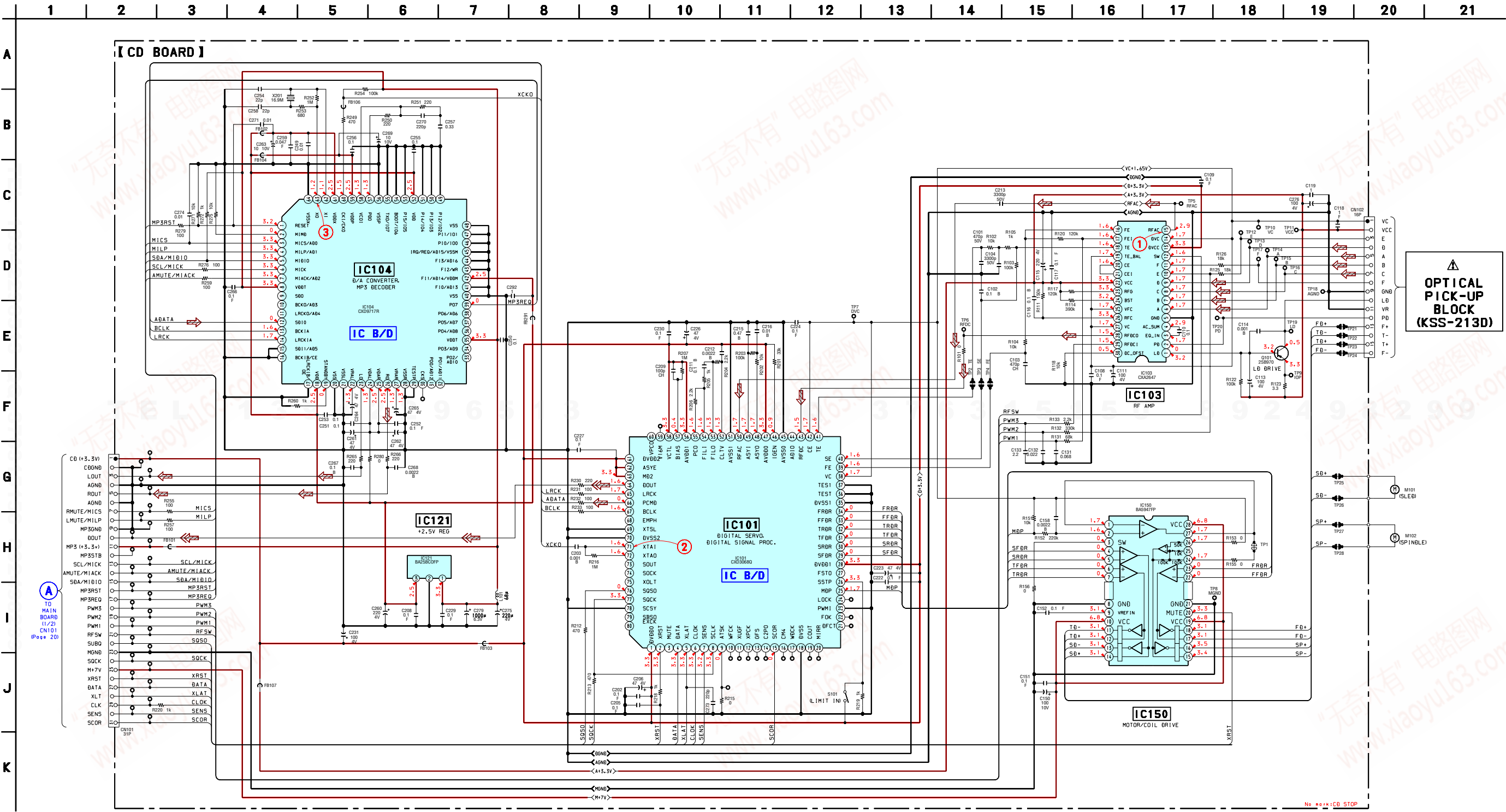
【 CD BOARD 】 (SIDE B)



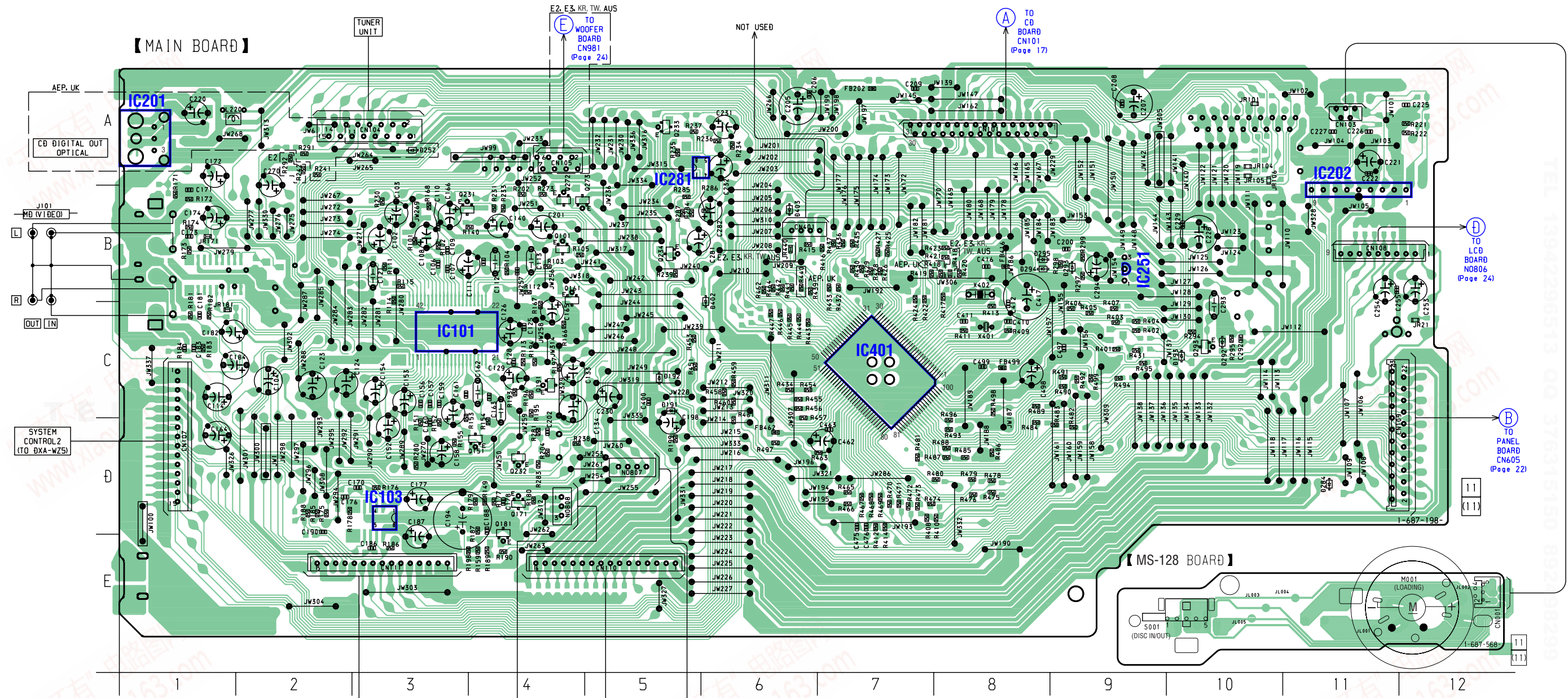
- **Semiconductor Location**

| Ref. No. | Location |
|----------|----------|
| IC101    | B-6      |
| IC103    | C-6      |
| IC104    | C-8      |
| IC121    | D-2      |
| IC150    | A-5      |
| Q101     | D-3      |

5-4. Schematic Diagram - CD Board - • See page 15 for Waveforms. • See page 28 for IC Block Diagrams.



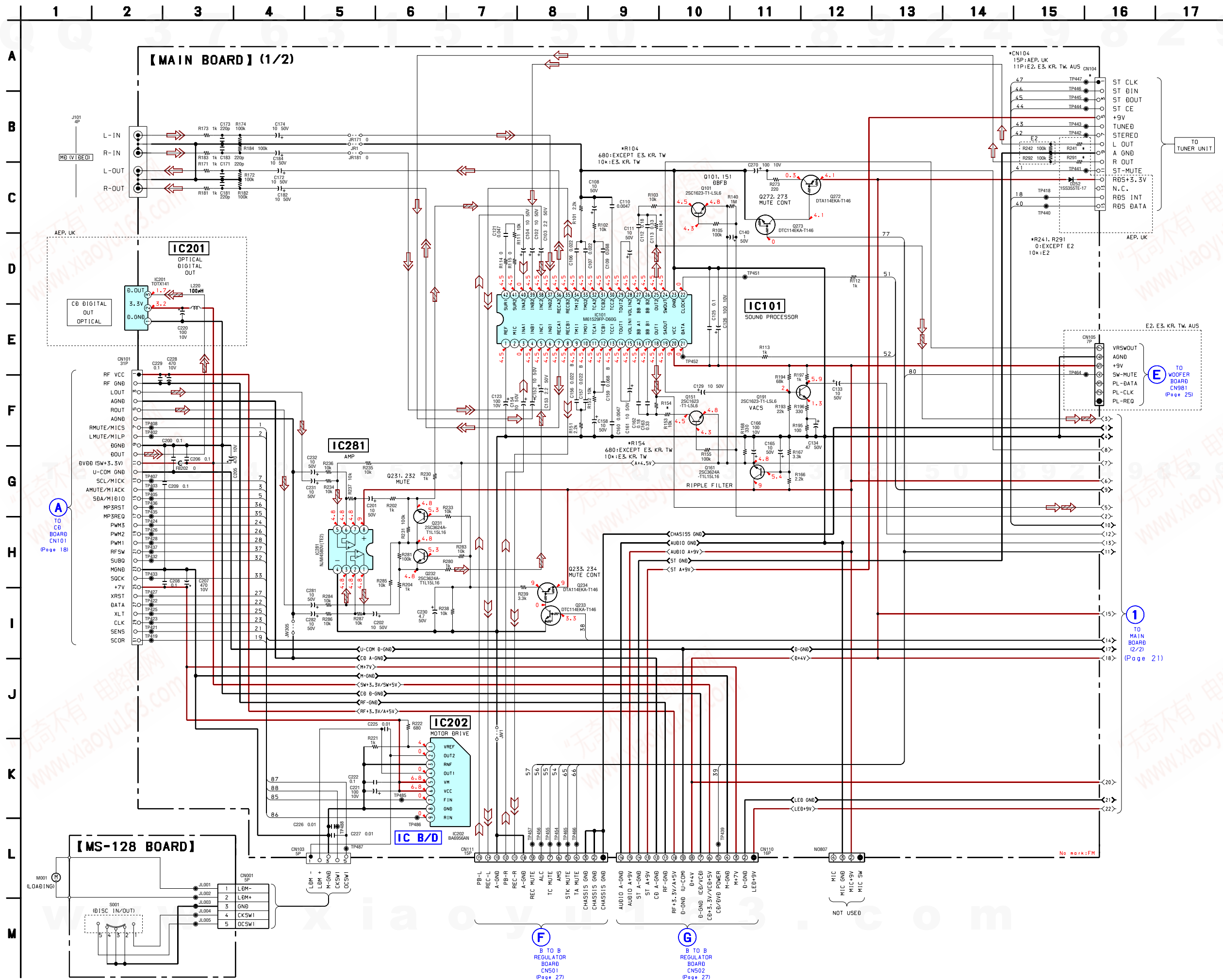
5-5. Printed Wiring Board - MAIN Section -  : Uses unleaded solder. • See page 15 for Circuit Boards Location.



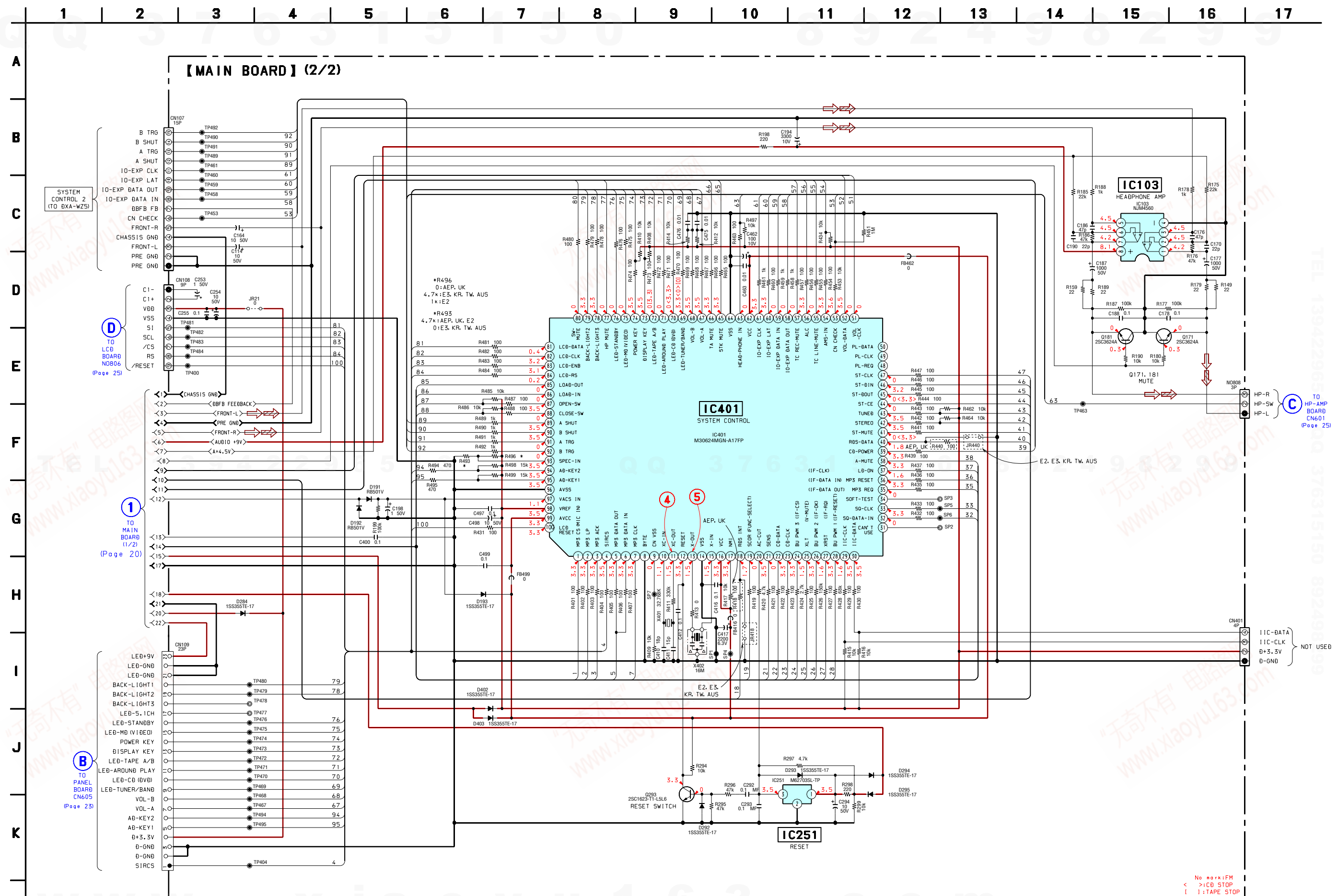
• Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|----------|----------|
| D191     | C-5      | IC101    | C-3      | Q171     | D-4      |
| D192     | C-5      | IC103    | D-3      | Q181     | D-4      |
| D193     | C-10     | IC201    | A-1      | Q191     | C-4      |
| D252     | A-3      | IC202    | A-11     | Q231     | B-3      |
| D284     | D-11     | IC251    | B-9      | Q232     | D-4      |
| D292     | C-10     | IC281    | A-5      | Q233     | A-5      |
| D293     | B-9      | IC401    | C-7      | Q234     | B-5      |
| D294     | B-8      |          |          | Q272     | B-4      |
| D295     | B-8      | Q101     | B-4      | Q273     | B-4      |
| D402     | B-6      | Q151     | D-4      | Q293     | C-10     |
| D403     | B-6      | Q161     | B-4      |          |          |

**5-6. Schematic Diagram - MAIN Section (1/2) -** • See page 28 for IC Block Diagrams.



**- MAIN Section (2/2) -** • See page 15 for Waveforms. • See page 29 for IC Pin Function Descriptions.

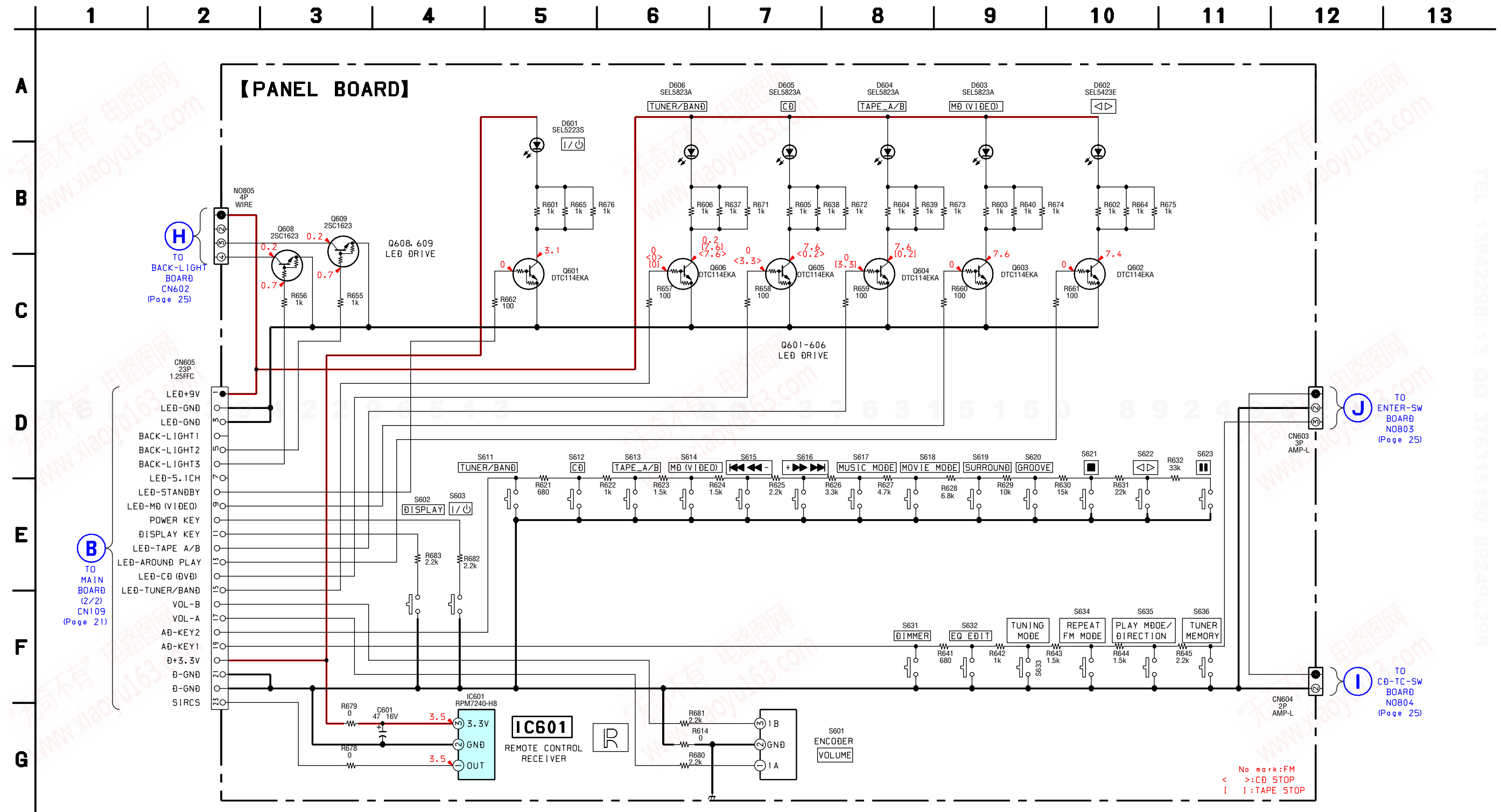


• **LF**

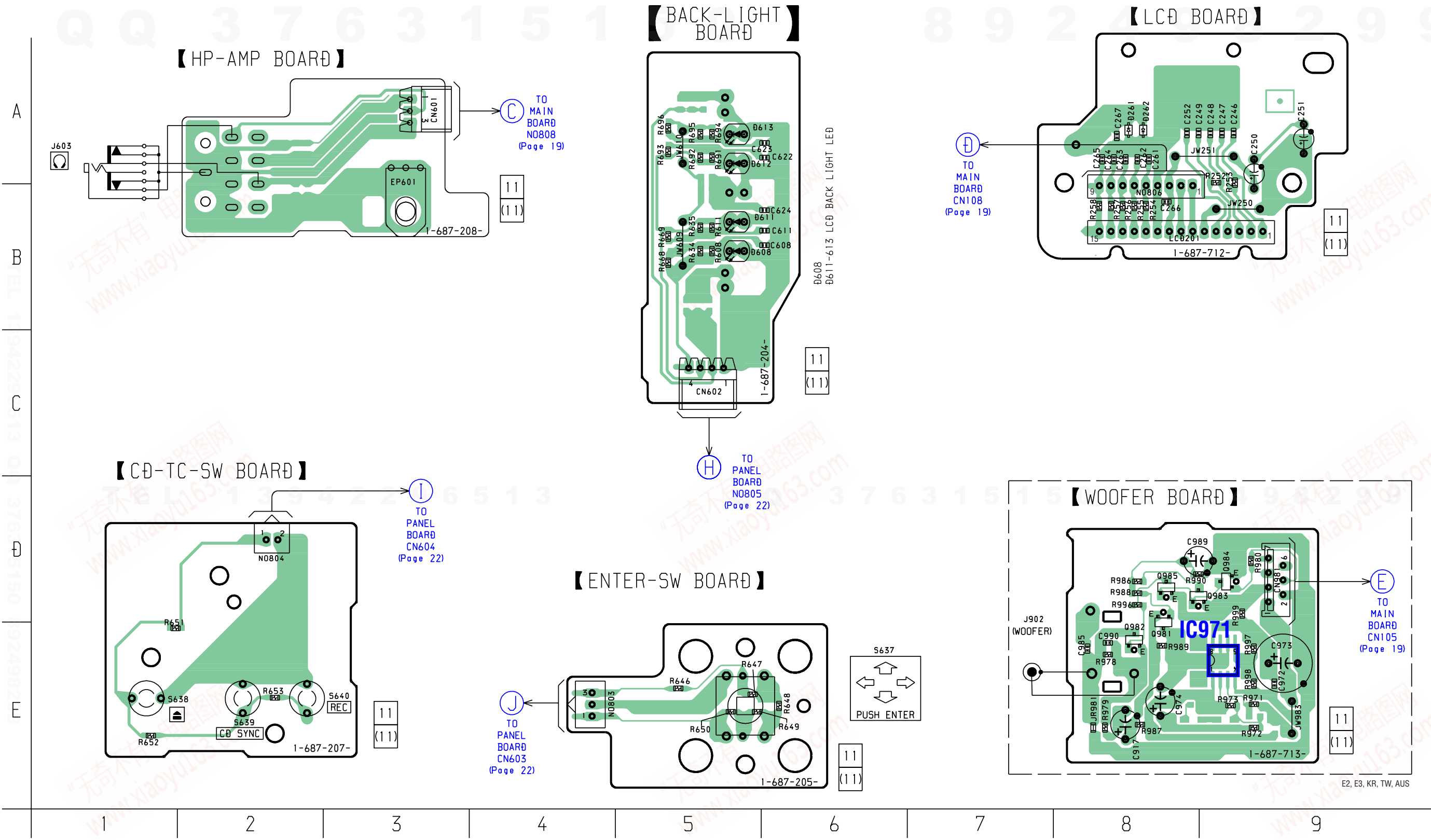


| Ref. No. | Location |
|----------|----------|
| D601     | B-6      |
| D602     | B-4      |
| D603     | A-6      |
| D604     | A-5      |
| D605     | A-4      |
| D606     | A-3      |
| IC601    | D-1      |
| Q601     | B-6      |
| Q602     | B-5      |
| Q603     | B-2      |
| Q604     | B-2      |
| Q605     | B-2      |
| Q606     | B-1      |
| Q608     | C-5      |
| Q609     | C-5      |

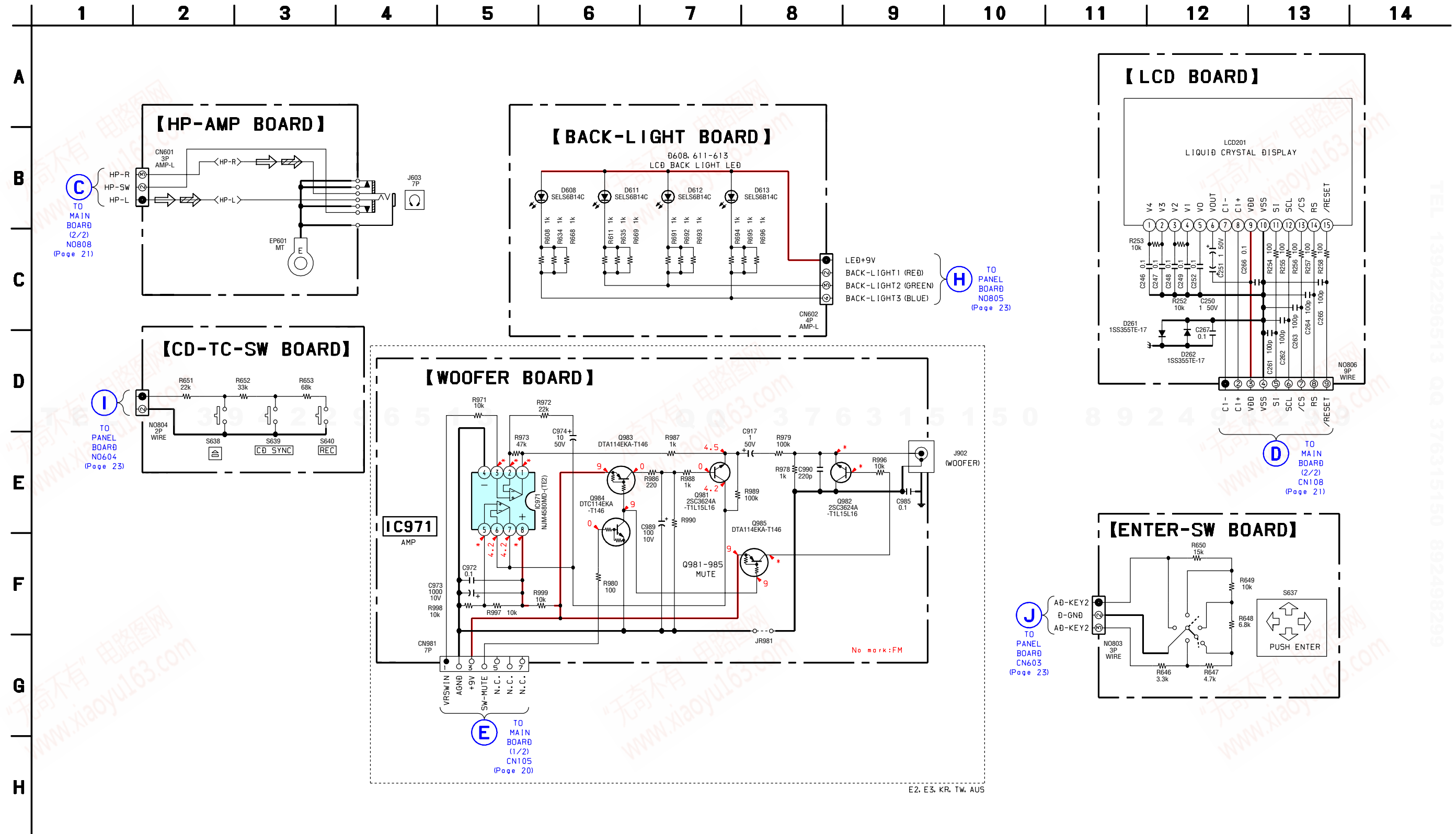
5-8. Schematic Diagram - PANEL Board -



5-9. Printed Wiring Board - LCD/SWITCH Section - •  : Uses unleaded solder. • See page 15 for Circuit Boards Location.

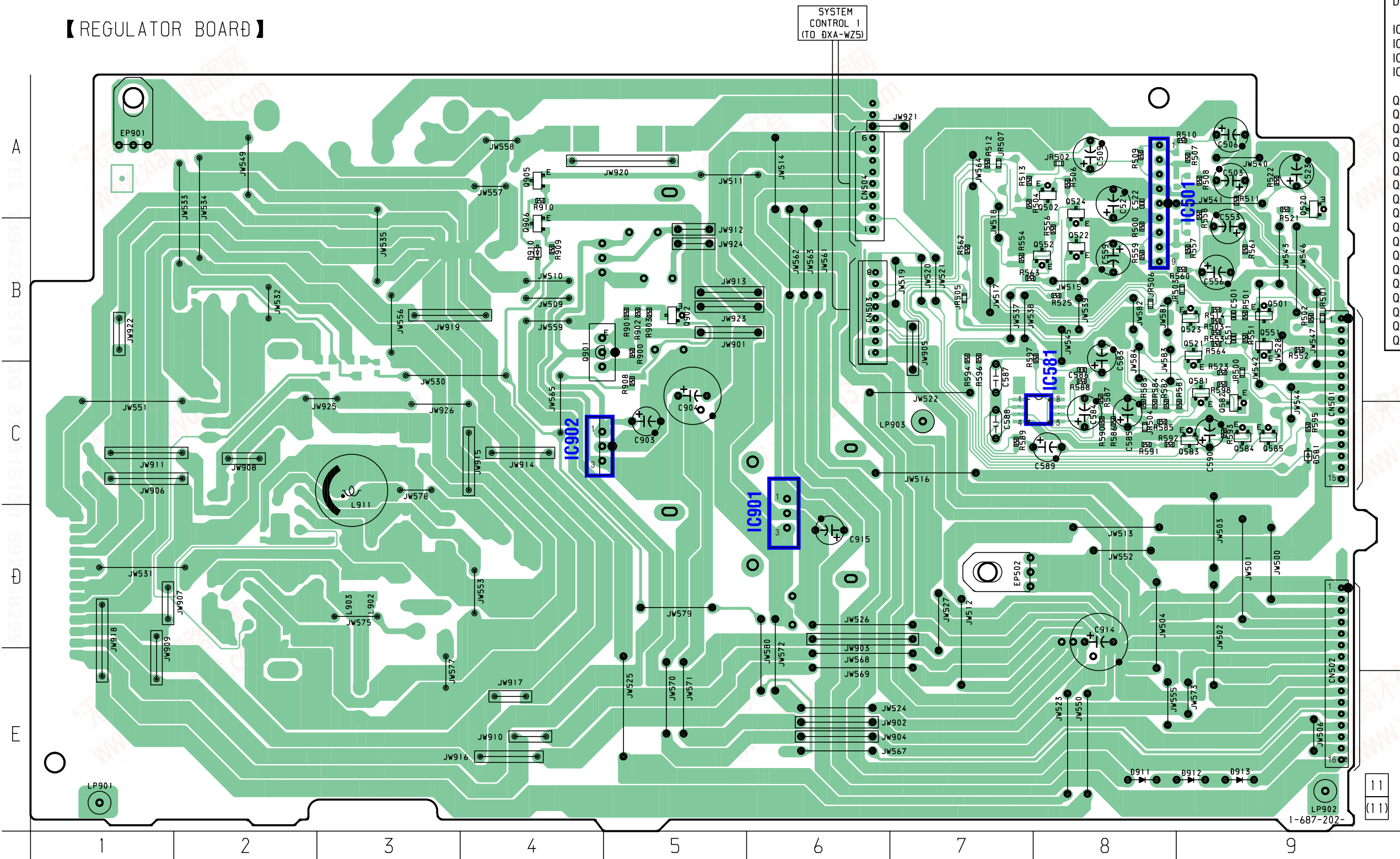


5-10. Schematic Diagram - LCD/SWITCH Section -



5-11. Printed Wiring Board - REGULATOR Board -  : Uses unleaded solder. • See page 15 for Circuit Boards Location.

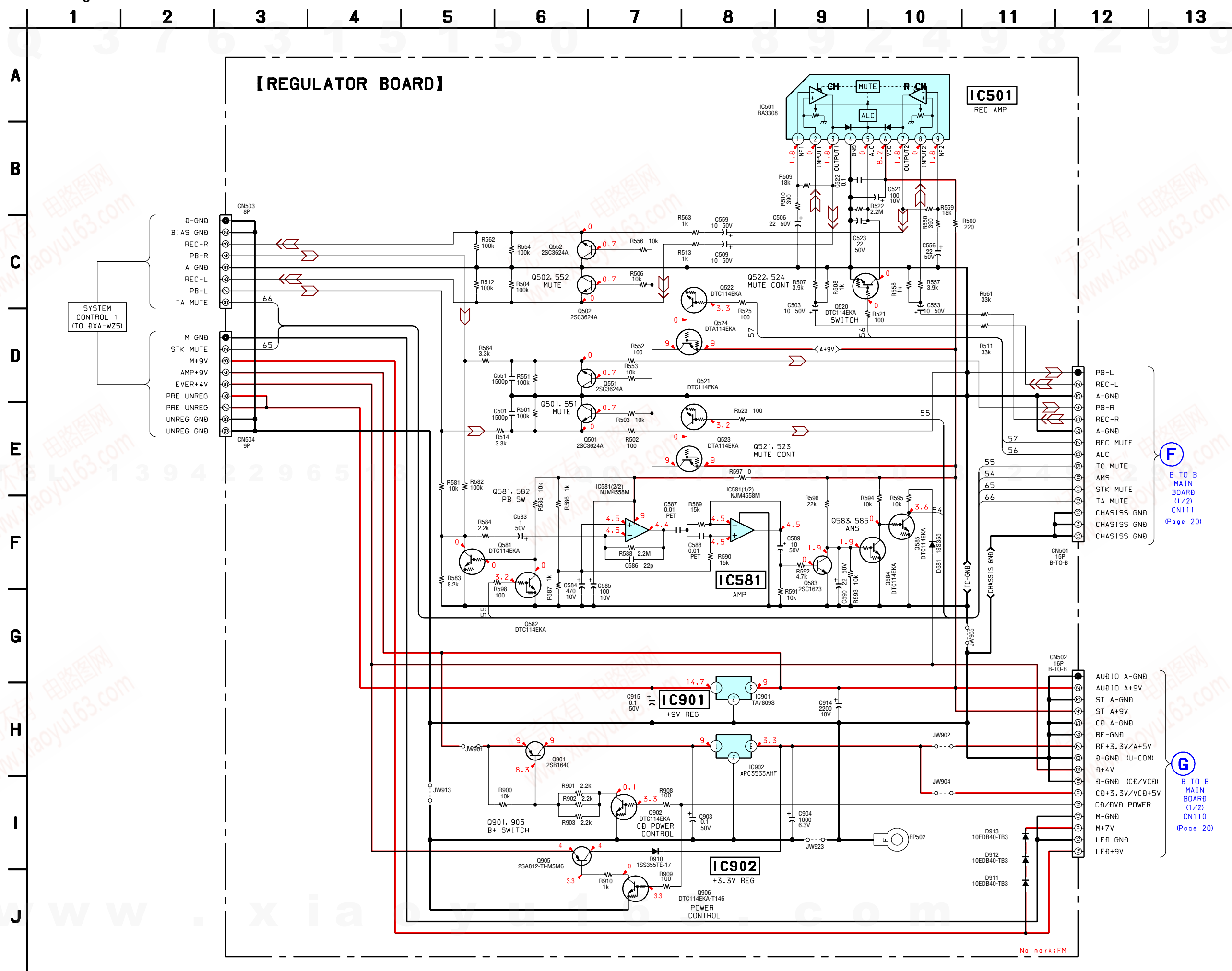
【REGULATOR BOARD】

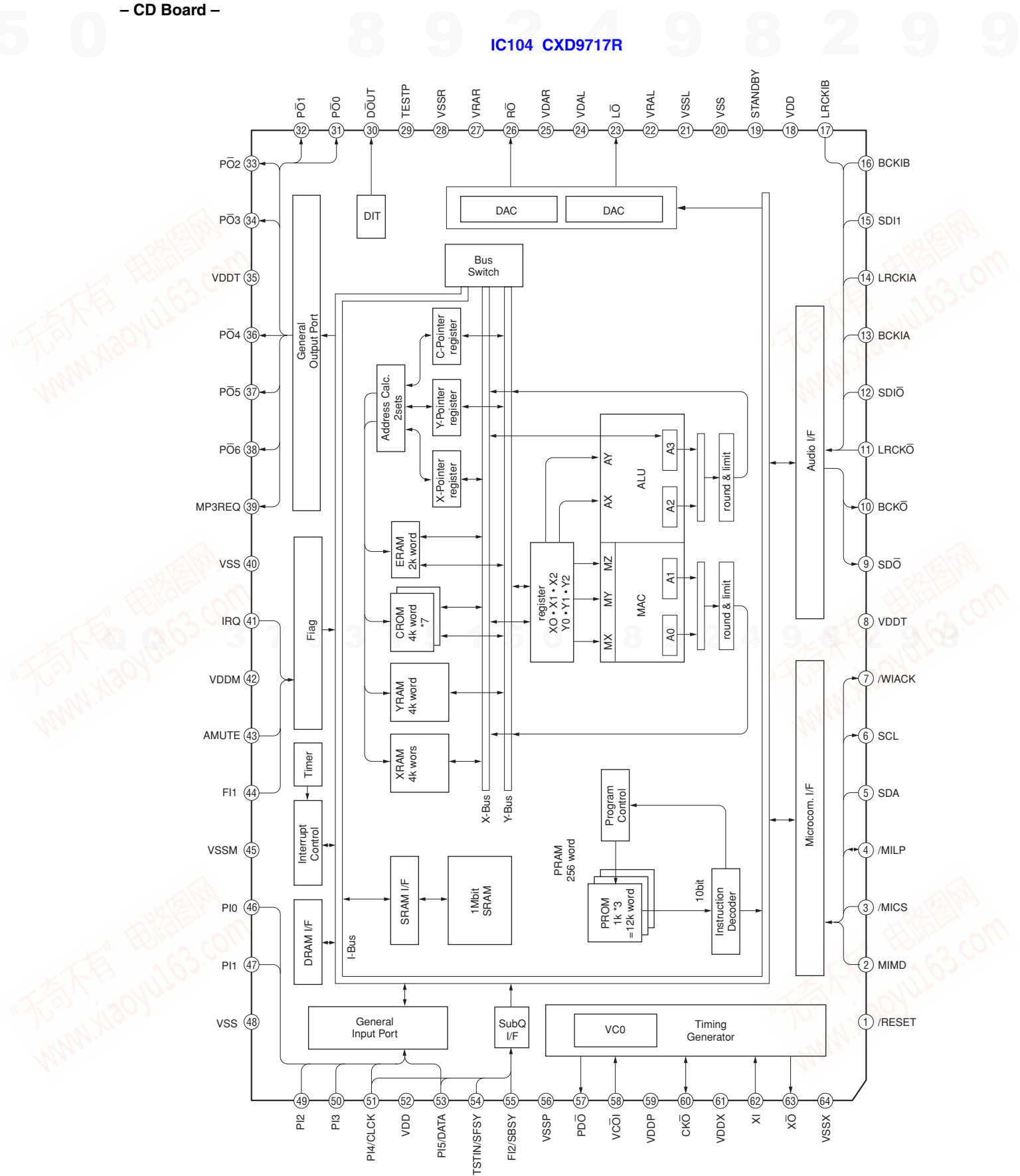
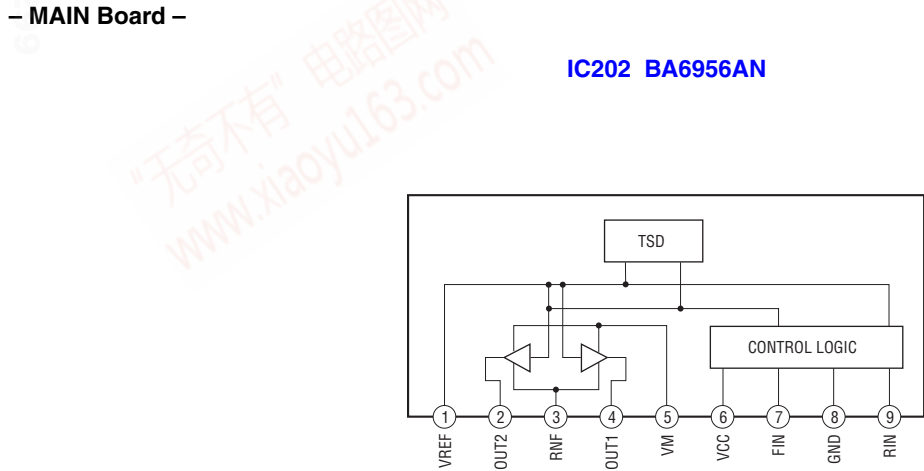
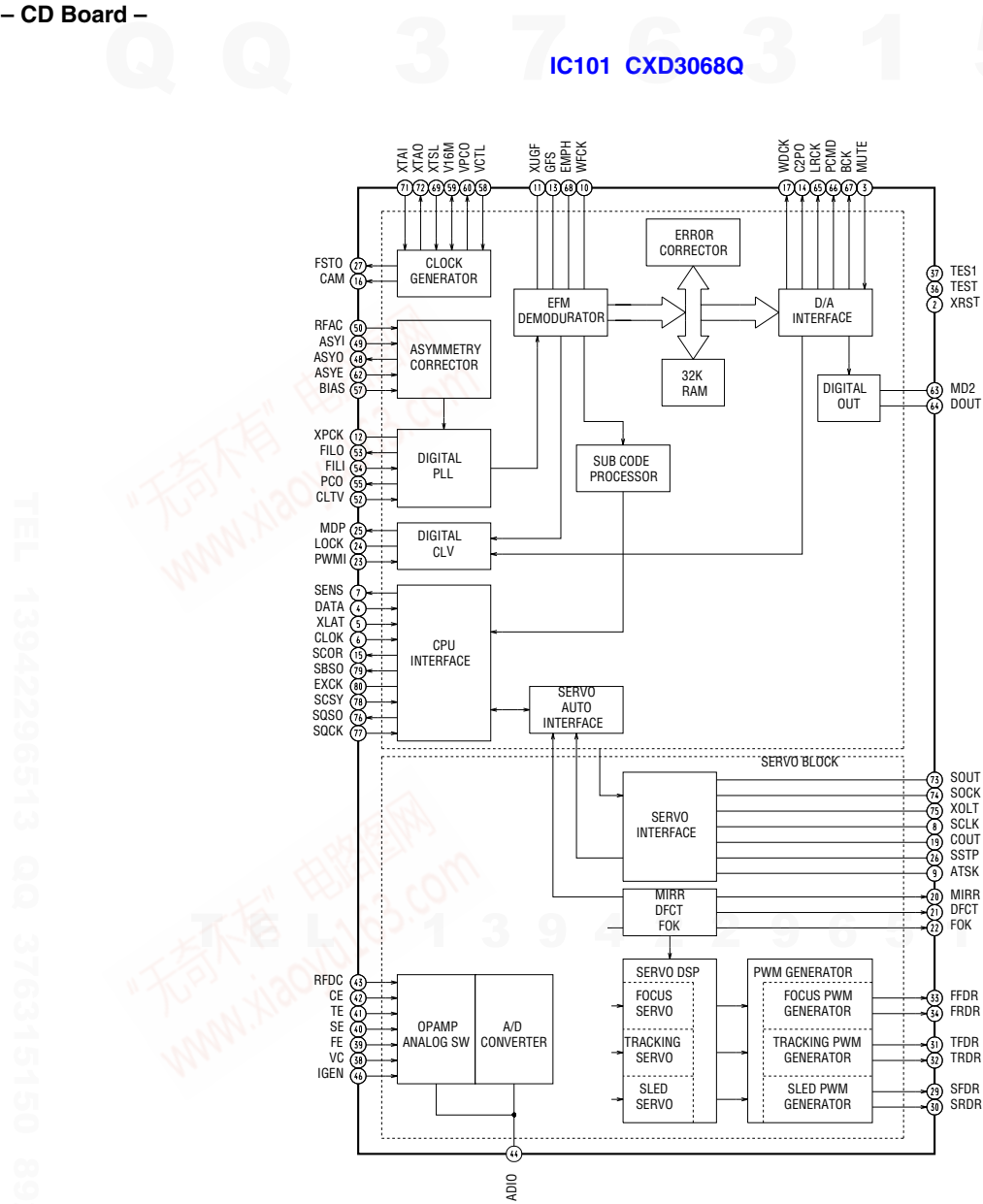


• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D581     | C-9      |
| D910     | B-4      |
| D911     | E-8      |
| D912     | E-9      |
| D913     | E-9      |
| IC501    | A-8      |
| IC581    | C-8      |
| IC901    | C-6      |
| IC902    | C-4      |
| Q501     | B-9      |
| Q502     | A-8      |
| Q520     | A-9      |
| Q521     | B-9      |
| Q522     | B-8      |
| Q523     | B-9      |
| Q524     | A-8      |
| Q551     | B-9      |
| Q552     | B-8      |
| Q581     | C-9      |
| Q582     | C-9      |
| Q583     | C-9      |
| Q584     | C-9      |
| Q585     | C-9      |
| Q901     | B-4      |
| Q902     | B-5      |
| Q905     | A-4      |
| Q906     | A-4      |

### 5-12. Schematic Diagram - REGULATOR Board -





# 5-14. IC Pin Function Description

## • IC401 M30624MGN-A07FP (SYSTEM CONTROL)

| Pin No. | Pin Name     | I/O | Description                                                          |
|---------|--------------|-----|----------------------------------------------------------------------|
| 1       | MP3 CS       | O   | Chip select signal output to the MP3 decoder (IC104)                 |
| 2       | MP3 LP       | O   | Latch pulse signal output to the MP3 decoder (IC104)                 |
| 3       | MP3 ACK      | I   | Acknowledge signal input from the MP3 decoder (IC104)                |
| 4       | SIRCS        | I   | SIRCS signal input from the remote sensor (IC601)                    |
| 5       | MP3 DATA OUT | O   | Serial data output to the MP3 decoder (IC104)                        |
| 6       | MP3 DATA IN  | I   | Serial data input from the MP3 decoder (IC104)                       |
| 7       | MP3 CLK      | O   | Serial clock output to the MP3 decoder (IC104)                       |
| 8       | BYTE         | —   | External data bus width selection terminal                           |
| 9       | CN VSS       | —   | Processor modes switch terminal                                      |
| 10      | XC-IN        | I   | Sub clock input terminal                                             |
| 11      | XC-OUT       | O   | Sub clock output terminal                                            |
| 12      | RESET        | I   | System reset signal input                                            |
| 13      | X-OUT        | O   | Main system clock output terminal                                    |
| 14      | VSS          | —   | Ground terminal                                                      |
| 15      | X-IN         | I   | Main system clock input terminal (16MHz)                             |
| 16      | VCC          | —   | Power supply terminal (+3.3V)                                        |
| 17      | NMI          | I   | NMI input terminal (fixed at “H”)                                    |
| 18      | RDS INT      | I   | RDS INT signal input                                                 |
| 19      | SCOR         | I   | CD Q-data request signal input                                       |
| 20      | AC-CUT       | I   | AC cut detection signal input                                        |
| 21      | SENS         | I   | SENS signal input                                                    |
| 22      | CD-DATA      | O   | Data output to the CD DSP (IC101)                                    |
| 23      | CD-CLK       | O   | Clock output to the CD DSP (IC101)                                   |
| 24      | BU PWM 3     | O   | PWM 3 signal output                                                  |
| 25      | XLT          | O   | Latch signal output to the CD DSP (IC101)                            |
| 26      | BU PWM 2     | O   | PWM 2 signal output                                                  |
| 27      | XRST         | O   | Reset signal output to the CD DSP (IC101)                            |
| 28      | BU PWM 1     | O   | PWM 1 signal output                                                  |
| 29      | IIC-CLK      | O   | IIC serial clock output                                              |
| 30      | IIC-DATA     | O   | IIC serial data output                                               |
| 31      | CAN'T USE    | —   | Not used (open)                                                      |
| 32      | SQ-DATA-IN   | I   | SUB-Q data input                                                     |
| 33      | SQ-CLK       | O   | SUB-Q data clock output                                              |
| 34      | SOFT-TEST    | —   | Soft test terminal                                                   |
| 35      | MP3 REQ      | I   | REQ signal input from the MP3 decoder (IC104)                        |
| 36      | MP3 RESET    | O   | Reset signal output to the MP3 decoder (IC104)                       |
| 37      | LD-ON        | O   | Laser power on signal output                                         |
| 38      | A-MUTE       | O   | Muting signal output to the CD DSP (IC101)                           |
| 39      | CD-POWER     | O   | CD power supply control signal output (“H” : on, “L” : off)          |
| 40      | RDS-DATA     | I   | RDS data input                                                       |
| 41      | ST-MUTE      | O   | Muting signal output to the tuner                                    |
| 42      | STEREO       | I   | Stereo detection signal input from the tuner (“L” : in, “H” : off)   |
| 43      | TUNED        | I   | Tuner tuned status signal input from the tuner (“L” : in, “H” : off) |
| 44      | ST-CE        | O   | Tuner chip enable signal output to the tuner                         |
| 45      | ST-DOUT      | O   | Data output to the tuner                                             |
| 46      | ST-DIN       | I   | Data input from the tuner                                            |
| 47      | ST-CLK       | O   | Clock output to the tuner                                            |
| 48      | PL-REQ       | —   | Not used (open)                                                      |
| 49      | PL-CLK       | —   | Not used (open)                                                      |
| 50      | PL-DATA      | —   | Not used (open)                                                      |

**HCD-WZ5**

| Pin No. | Pin Name        | I/O | Description                                                         |
|---------|-----------------|-----|---------------------------------------------------------------------|
| 51      | VOL-CLK         | O   | Clock output to the audio signal processor (IC101)                  |
| 52      | VOL-DATA        | O   | Data output to the audio signal processor (IC101)                   |
| 53      | CN CHECK        | I   | Connection check signal input (from DXA-WZ5)                        |
| 54      | AMS-IN          | I   | AMS signal input (“L” : in, “H” : off) (from DXA-WZ5)               |
| 55      | TC LINE-MUTE    | O   | TC line muting signal output (“H” : on, “L” : off) (to DXA-WZ5)     |
| 56      | ALC             | O   | ALC signal output (“L” : on, “H” : off) (to DXA-WZ5)                |
| 57      | TC REC-MUTE     | O   | TC REC muting signal output (“L” : on, “H” : off) (to DXA-WZ5)      |
| 58      | IO-EXP DATA OUT | O   | Data output to the I/O expander (IC251, DXA-WZ5)                    |
| 59      | IO-EXP DATA IN  | I   | Data input from the I/O expander (IC251, DXA-WZ5)                   |
| 60      | IO-EXP LAT      | O   | Latch signal output to the I/O expander (IC251, DXA-WZ5)            |
| 61      | IO-EXP CLK      | O   | Clock output to the I/O expander (IC251, DXA-WZ5)                   |
| 62      | VCC             | —   | Power supply terminal                                               |
| 63      | HEAD-PHONE IN   | I   | Headphone detection signal input                                    |
| 64      | VSS             | —   | Ground terminal                                                     |
| 65      | STK MUTE        | O   | Muting signal output to the power amplifier (to DXA-WZ5)            |
| 66      | TA MUTE         | O   | TA line muting signal output (“H” : on, “L” : off) (to DXA-WZ5)     |
| 67      | VOL-A           | I   | Encoder signal input from the volume encoder                        |
| 68      | VOL-B           | I   | Encoder signal input from the volume encoder                        |
| 69      | LED -TUNER/BAND | O   | TUNER/BAND LED control signal output                                |
| 70      | LED-CD          | O   | CD LED control signal output                                        |
| 71      | LED-AROUND PLAY | O   | PLAY LED control signal output                                      |
| 72      | LED-TAPE A/B    | O   | TAPE A/B LED control signal output                                  |
| 73      | DISPLAY KEY     | I   | DISPLAY key signal input                                            |
| 74      | POWER KEY       | I   | POWER key signal input                                              |
| 75      | LED-MD (VIDEO)  | O   | MD (VIDEO) LED control signal output                                |
| 76      | LED-STANDBY     | O   | STANDBY LED control signal output                                   |
| 77      | HP MUTE         | O   | Headphone muting signal output (“L” : on, “H” : off)                |
| 78      | BACK-LIGHT 3    | O   | LCD back light 3 LED control signal output (amber)                  |
| 79      | BACK-LIGHT 2    | O   | LCD back light 2 LED control signal output (amber)                  |
| 80      | SW-MUTE         | O   | Sub woofer muting signal output (“L” : on, “H” : off)               |
| 81      | LCD-DATA        | O   | Data output to the liquid crystal display                           |
| 82      | LCD-CLK         | O   | Clock output to the liquid crystal display                          |
| 83      | LCD-ENB         | O   | Chip select signal output to the liquid crystal display             |
| 84      | LCD-RS          | O   | RS signal output to the liquid crystal display                      |
| 85      | LOAD-OUT        | O   | Loading motor control signal output                                 |
| 86      | LOAD-IN         | O   | Loading motor control signal output                                 |
| 87      | OPEN-SW         | I   | OPEN switch signal input                                            |
| 88      | CLOSE-SW        | I   | CLOSE switch signal input                                           |
| 89      | A SHUT          | I   | Reel pulse signal input from the deck A (from DXA-WZ5)              |
| 90      | B SHUT          | I   | Reel pulse signal input from the deck B (from DXA-WZ5)              |
| 91      | A TRG           | O   | Trigger control signal output to the deck A (“H” : on) (to DXA-WZ5) |
| 92      | B TRG           | O   | Trigger control signal output to the deck B (“H” : on) (to DXA-WZ5) |
| 93      | SPEC-IN         | I   | Spec setting terminal                                               |
| 94      | AD-KEY2         | I   | Key input 2 (A/D)                                                   |
| 95      | AD-KEY1         | I   | Key input 1 (A/D)                                                   |
| 96      | AVSS            | —   | Ground terminal (A/D converter)                                     |
| 97      | VACS IN         | I   | VACS signal input                                                   |
| 98      | VREF            | —   | Voltage reference terminal (A/D converter)                          |
| 99      | AVCC            | —   | Power supply terminal (A/D converter)                               |
| 100     | LCD RESET       | O   | Reset signal output to the liquid crystal display                   |

## SECTION 6 EXPLODED VIEWS

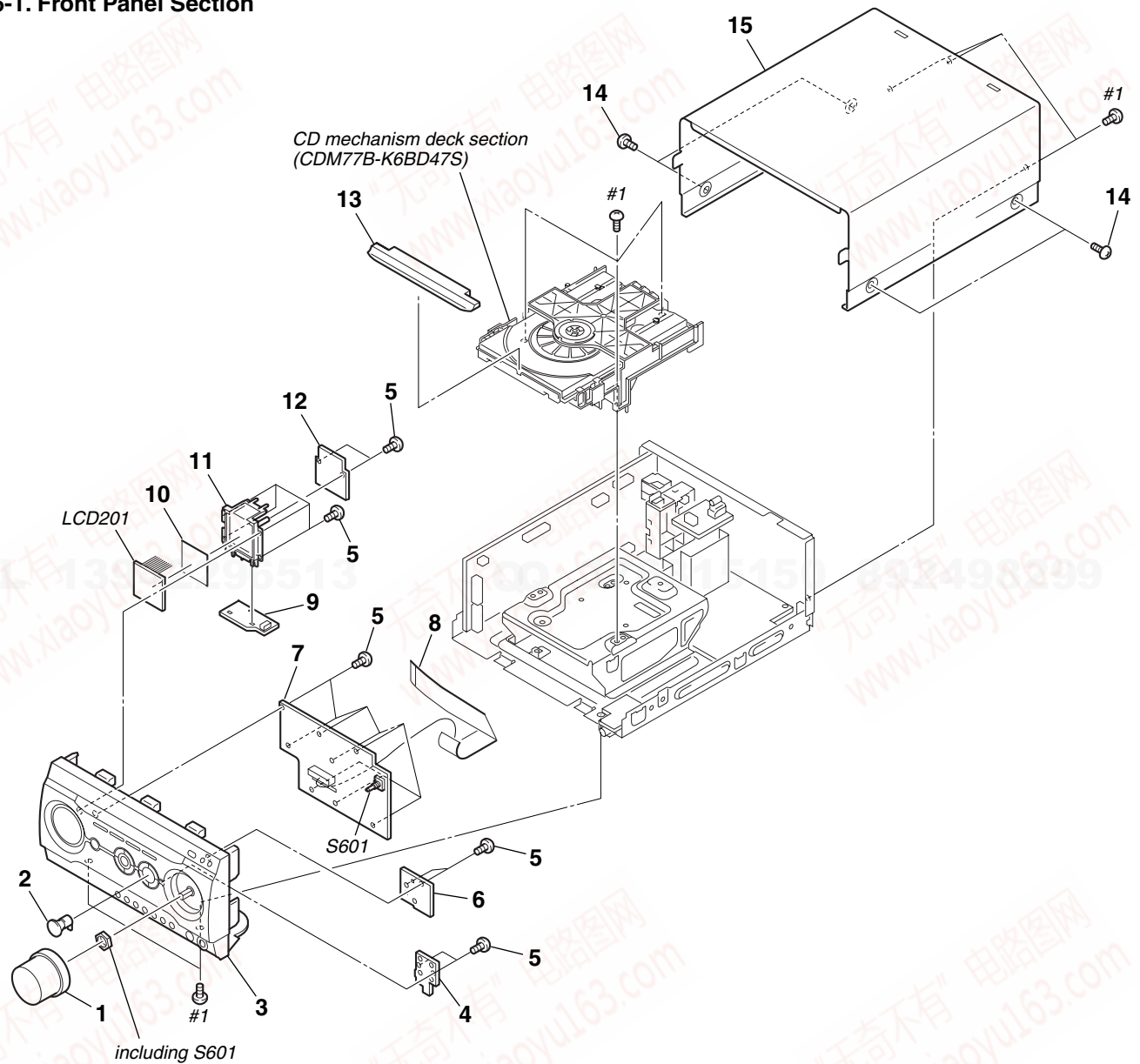
### NOTE:

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

- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation  
AUS : Australian model  
E2 : 120V AC Area in E model  
E3 : 240V AC Area in E model  
KR : Korean model  
TW : Taiwan model

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

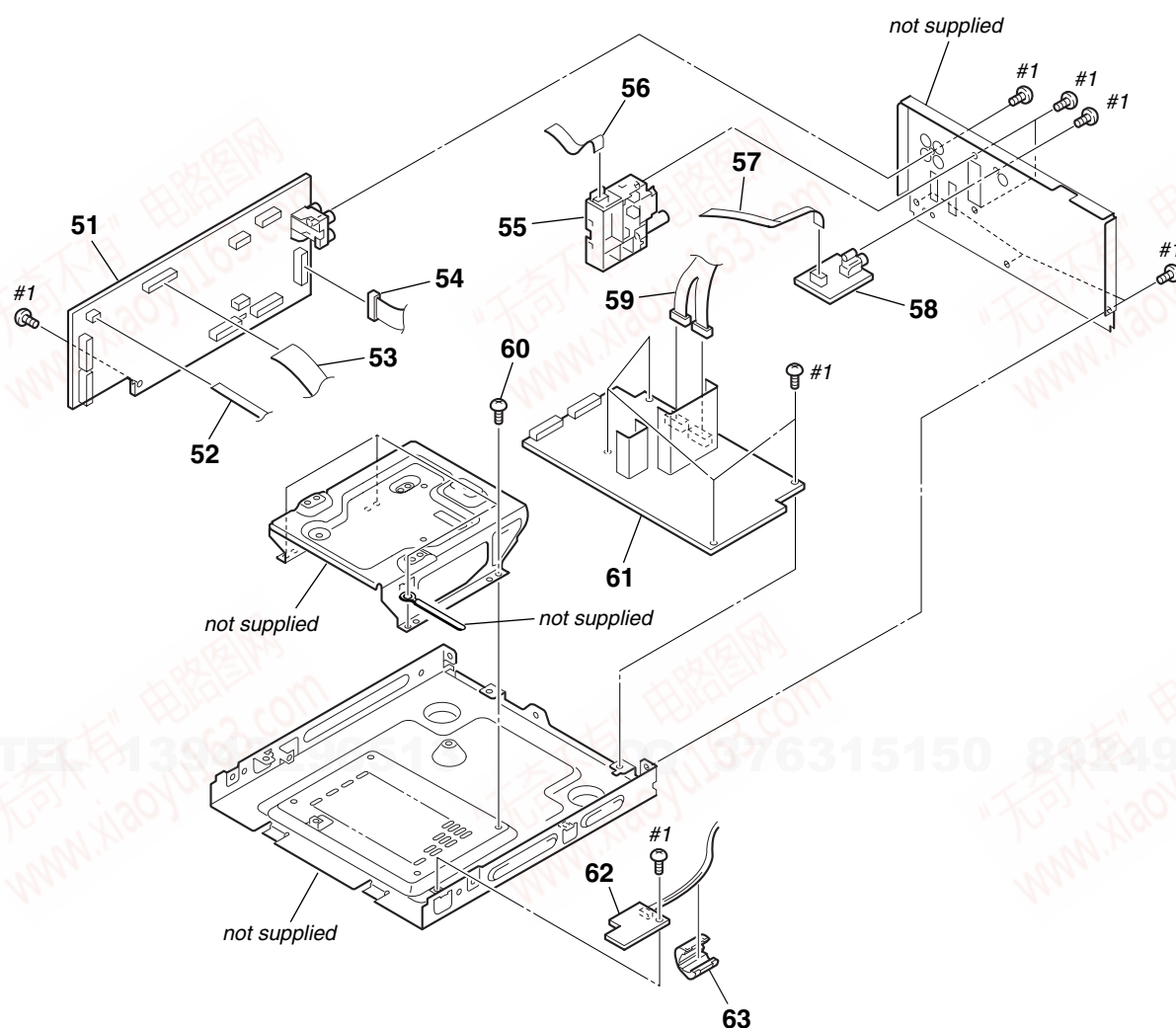
### 6-1. Front Panel Section



| Ref. No. | Part No.     | Description                         | Remarks | Ref. No. | Part No.     | Description                   | Remarks |
|----------|--------------|-------------------------------------|---------|----------|--------------|-------------------------------|---------|
| 1        | 4-244-435-01 | KNOB (VOLUME)                       |         | 9        | 1-687-204-11 | BACK-LIGHT BOARD              |         |
| 2        | 4-244-423-01 | BUTTON (CURSOR)                     |         | 10       | 4-244-431-02 | SHEET (LCD)                   |         |
| 3        | X-4955-278-2 | PANEL ASSY, FRONT (E2,E3,KR,TW,AUS) |         | 11       | 4-244-430-01 | HOLDER (LCD)                  |         |
| 3        | X-4955-279-2 | PANEL ASSY, FRONT (AEP,UK)          |         | 12       | A-4732-447-A | LCD BOARD, COMPLETE           |         |
| 4        | 1-687-205-11 | ENTER-SW BOARD                      |         | 13       | 4-244-434-01 | PANEL, LOADING                |         |
| 5        | 4-951-620-01 | SCREW (2.6X8), +BVTP                |         | 14       | 3-363-099-11 | SCREW (CASE 3 TP2)            |         |
| 6        | 1-687-207-11 | CD-TC-SW BOARD                      |         | 15       | 4-244-441-11 | CASE                          |         |
| 7        | A-4731-875-A | PANEL BOARD, COMPLETE               |         | LCD201   | 1-805-136-11 | DISPLAY PANEL, LIQUID CRYSTAL |         |
| 8        | 1-773-185-11 | WIRE (FLAT TYPE)(23CORE)            |         | #1       | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S     |         |

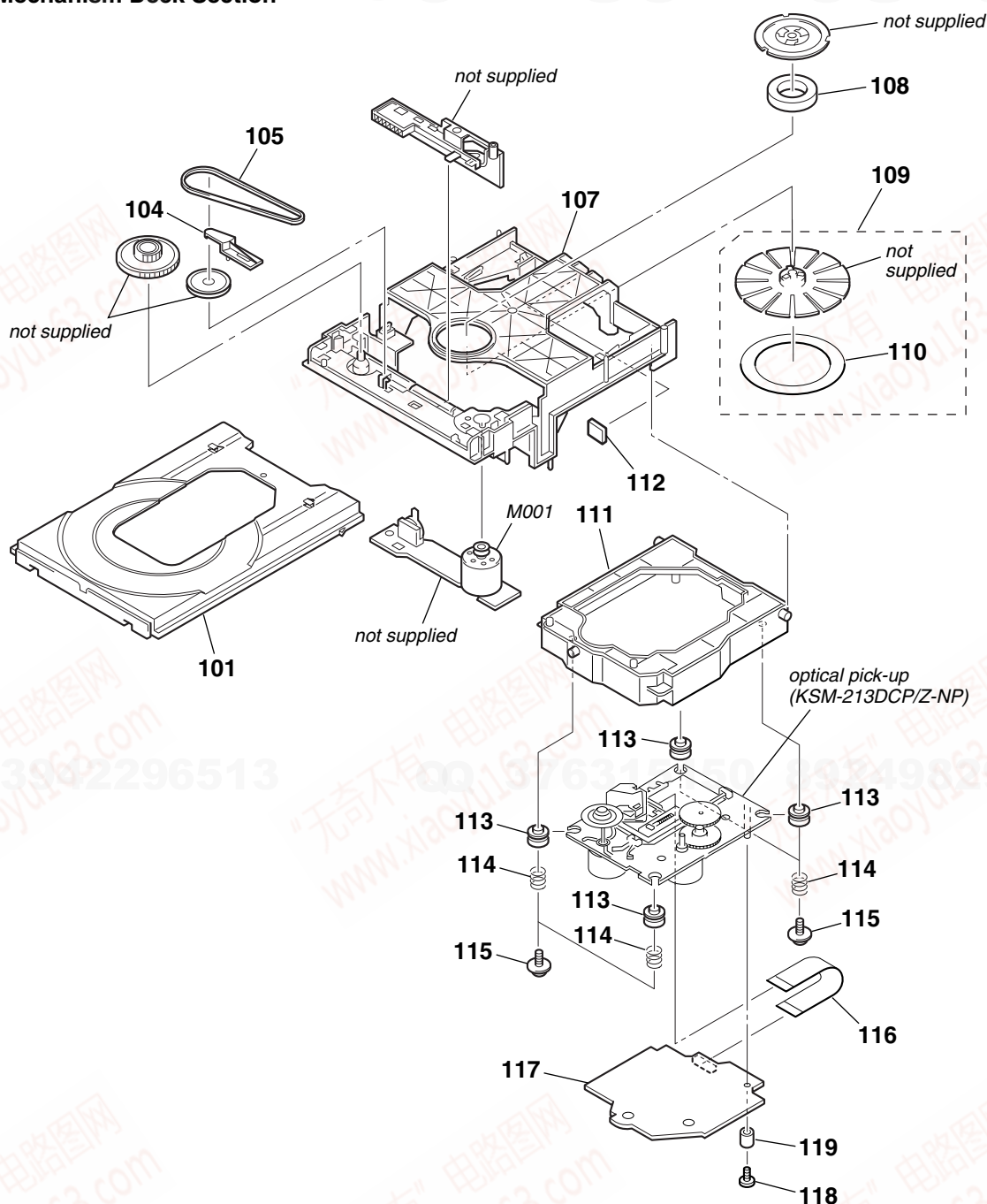
# HCD-WZ5

## 6-2. Chassis Section



| Ref. No. | Part No.     | Description                   | Remarks | Ref. No. | Part No.     | Description                                    | Remarks |
|----------|--------------|-------------------------------|---------|----------|--------------|------------------------------------------------|---------|
| 51       | A-4731-855-A | MAIN BOARD, COMPLETE (AEP,UK) |         | 56       | 1-769-938-11 | WIRE (FLAT TYPE)(11 CORE)<br>(E2,E3,KR,TW,AUS) |         |
| 51       | A-4731-862-A | MAIN BOARD, COMPLETE (E3)     |         | 56       | 1-773-002-11 | WIRE (FLAT TYPE)(15 CORE)(AEP,UK)              |         |
| 51       | A-4733-384-A | MAIN BOARD, COMPLETE (E2)     |         | 57       | 1-769-882-11 | WIRE (FLAT TYPE)(7 CORE)(E2,E3,AUS)            |         |
| 51       | A-4733-387-A | MAIN BOARD, COMPLETE (AUS)    |         | 58       | A-4732-448-A | WOOFER BOARD, COMPLETE<br>(E2,E3,KR,TW,AUS)    |         |
| 51       | A-4748-128-A | MAIN BOARD, COMPLETE (KR)     |         | 59       | 1-824-906-11 | CORD (WITH CONNECTOR)                          |         |
| 51       | A-4748-130-A | MAIN BOARD, COMPLETE (TW)     |         | 60       | 3-970-608-01 | SUMITITE (B3), +BV                             |         |
| 52       | 1-827-178-11 | WIRE (FLAT TYPE)(5 CORE)      |         | 61       | A-4731-872-A | REGULATOR BOARD, COMPLETE                      |         |
| 53       | 1-827-265-11 | WIRE (FLAT TYPE)(31 CORE)     |         | 62       | 1-687-208-11 | HP-AMP BOARD                                   |         |
| 54       | 1-824-905-11 | CORD (WITH CONNECTOR)         |         | 63       | 1-500-051-11 | BEAD, FERRITE (WITH CASE)(KR,TW,AUS)           |         |
| 55       | 1-693-603-31 | TUNER (FM/AM)(E2,E3,TW,AUS)   |         | #1       | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S                      |         |
| 55       | 1-693-604-11 | TUNER (FM/AM)(AEP,UK)         |         |          |              |                                                |         |
| 55       | 1-693-605-11 | TUNER (FM/AM)(KR)             |         |          |              |                                                |         |

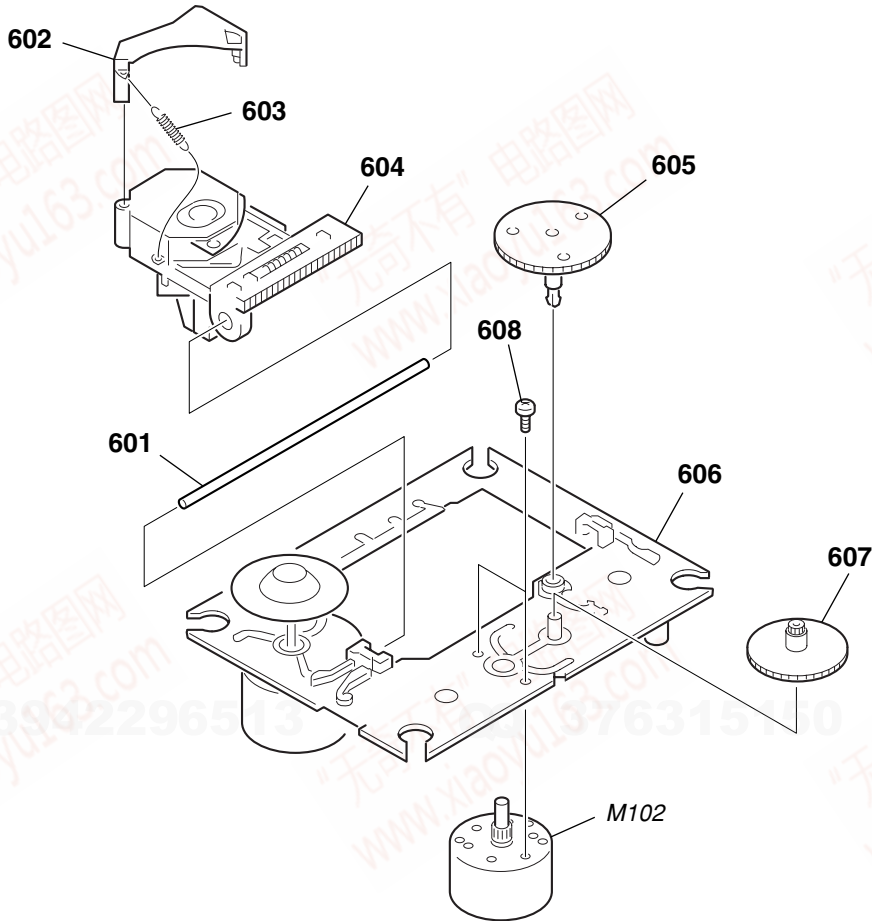
### 6-3. CD Mechanism Deck Section



| Ref. No. | Part No.     | Description        | Remarks | Ref. No. | Part No.     | Description                  | Remarks |
|----------|--------------|--------------------|---------|----------|--------------|------------------------------|---------|
| 101      | 4-243-742-01 | TRAY (AU)          |         | 112      | 4-232-682-01 | CUSHION (66)                 |         |
| 104      | 4-244-973-01 | SUPPORT            |         | 113      | 4-229-005-21 | INSULATOR                    |         |
| 105      | 3-080-478-01 | BELT               |         | 114      | 4-227-045-11 | SPRING (INSULATOR), COIL     |         |
| 107      | 4-243-741-11 | BASE (AU), LOADING |         | 115      | 4-985-672-01 | SCREW (+PTPWHM2.6), FLOATING |         |
| 108      | A-473-508-2A | MAGNET             |         | 116      | 1-782-817-11 | WIRE (FLAT TYPE)(16 CORE)    |         |
| 109      | X-4953-195-3 | PULLEY (AT) ASSY   |         | 117      | A-4731-446-A | CD BOARD, COMPLETE           |         |
| 110      | 4-231-777-02 | SHEET (KH2)        |         | 118      | 4-951-620-01 | SCREW (2.6X8), +BVTP         |         |
| 111      | 4-243-744-02 | HOLDER (213)       |         | * 119    | 3-307-259-01 | TUBE, GAP                    |         |

00 376315150 892498299

6-4. KSM-213DCP/Z-NP



| Ref. No. | Part No.     | Description                    | Remarks | Ref. No. | Part No.     | Description                       | Remarks |
|----------|--------------|--------------------------------|---------|----------|--------------|-----------------------------------|---------|
| 601      | 2-626-908-02 | SHAFT, SLED                    |         | 606      | X-2161-802-1 | CHASSIS ASSY (DCP), TT            |         |
| 602      | 2-646-697-03 | SHUTTER (F), LENS              |         | 607      | 2-627-003-01 | GEAR (B) (RP)                     |         |
| 603      | 2-646-702-02 | SPRING, EXTENSION              |         | 608      | 3-713-786-51 | SCREW +P 2X3                      |         |
| △ 604    | 8-820-020-02 | OPTCAL PICK-UP (KSS-213D/Q-RP) |         | M102     | X-2625-769-1 | GEAR ASSY (MB) (RP), MOTOR (SLED) |         |
| 605      | 2-626-907-02 | GEAR (A)                       |         |          |              |                                   |         |

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

## SECTION 7 ELECTRICAL PARTS LIST

**BACK-LIGHT****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.
- RESISTORS**  
All resistors are in ohms.  
METAL: metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation  
AUS : Australian model  
E2 : 120V AC Area in E model  
E3 : 240V AC Area in E model  
KR : Korean model  
TW : Taiwan model

- CAPACITORS:**  
uF:  $\mu$ F
- COILS**  
uH:  $\mu$ H
- SEMICONDUCTORS**  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A..., uPA...,  $\mu$ PA...,  
uPB...,  $\mu$ PB..., uPC...,  $\mu$ PC...,  
uPD...,  $\mu$ PD...

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

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

| Ref. No.     | Part No.                    | Description                                 | Remarks | Ref. No. | Part No.     | Description           | Remarks     |
|--------------|-----------------------------|---------------------------------------------|---------|----------|--------------|-----------------------|-------------|
|              | 1-687-204-11                | BACK-LIGHT BOARD<br>*****                   |         | C117     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
|              |                             | < CONNECTOR >                               |         | C118     | 1-115-156-11 | CERAMIC CHIP 1uF      | 10V         |
| CN602        | 1-785-330-11                | PIN, CONNECTOR (LIGHT ANGLE) 4P             |         | C119     | 1-115-156-11 | CERAMIC CHIP 1uF      | 10V         |
|              |                             | < DIODE >                                   |         | C131     | 1-110-563-11 | CERAMIC CHIP 0.068uF  | 10.00% 16V  |
| D608         | 8-719-075-50                | DIODE SELS6B14C-TP5<br>(LCD BACK LIGHT LED) |         | C132     | 1-164-227-11 | CERAMIC CHIP 0.022uF  | 10% 25V     |
| D611         | 8-719-075-50                | DIODE SELS6B14C-TP5<br>(LCD BACK LIGHT LED) |         | C133     | 1-125-838-11 | CERAMIC CHIP 2.2uF    | 10% 6.3V    |
| D612         | 8-719-075-50                | DIODE SELS6B14C-TP5<br>(LCD BACK LIGHT LED) |         | C150     | 1-128-995-21 | ELECT CHIP 100uF      | 20% 10V     |
| D613         | 8-719-075-50                | DIODE SELS6B14C-TP5<br>(LCD BACK LIGHT LED) |         | C151     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
|              |                             | < RESISTOR >                                |         | C152     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| R608         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C158     | 1-162-966-11 | CERAMIC CHIP 0.0022uF | 10% 50V     |
| R611         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C202     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| R634         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C203     | 1-162-964-11 | CERAMIC CHIP 0.001uF  | 10% 50V     |
| R635         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C205     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| R668         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C206     | 1-126-607-11 | ELECT CHIP 47uF       | 20% 4V      |
| R669         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C208     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| R691         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C209     | 1-162-927-11 | CERAMIC CHIP 100PF    | 5% 50V      |
| R692         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C211     | 1-107-826-11 | CERAMIC CHIP 0.1uF    | 10.00% 16V  |
| R693         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C212     | 1-162-966-11 | CERAMIC CHIP 0.0022uF | 10% 50V     |
| R694         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C213     | 1-162-967-11 | CERAMIC CHIP 0.0033uF | 10% 50V     |
| R695         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C215     | 1-117-863-11 | CERAMIC CHIP 0.47uF   | 10.00% 6.3V |
| R696         | 1-216-821-11                | METAL CHIP 1K 5% 1/16W                      |         | C216     | 1-162-970-11 | CERAMIC CHIP 0.01uF   | 10% 25V     |
|              |                             | *****                                       |         | C222     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| A-4731-446-A | CD BOARD, COMPLETE<br>***** |                                             |         | C223     | 1-126-607-11 | ELECT CHIP 47uF       | 20% 4V      |
|              |                             | < CAPACITOR >                               |         | C224     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C101         | 1-164-315-11                | CERAMIC CHIP 470PF 5.00% 50V                |         | C226     | 1-126-607-11 | ELECT CHIP 47uF       | 20% 4V      |
| C102         | 1-107-826-11                | CERAMIC CHIP 0.1uF 10.00% 16V               |         | C227     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C103         | 1-164-315-11                | CERAMIC CHIP 470PF 5.00% 50V                |         | C229     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C104         | 1-162-967-11                | CERAMIC CHIP 0.0033uF 10% 50V               |         | C230     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C108         | 1-164-360-11                | CERAMIC CHIP 0.1uF 16V                      |         | C231     | 1-126-209-11 | ELECT CHIP 100uF      | 20.00% 4V   |
| C109         | 1-164-360-11                | CERAMIC CHIP 0.1uF 16V                      |         | C249     | 1-162-974-11 | CERAMIC CHIP 0.01uF   | 50V         |
| C110         | 1-107-826-11                | CERAMIC CHIP 0.1uF 10.00% 16V               |         | C250     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C111         | 1-126-209-11                | ELECT CHIP 100uF 20.00% 4V                  |         | C251     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C113         | 1-126-209-11                | ELECT CHIP 100uF 20.00% 4V                  |         | C252     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C114         | 1-162-964-11                | CERAMIC CHIP 0.001uF 10% 50V                |         | C253     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
| C115         | 1-126-246-11                | ELECT CHIP 220uF 20% 4V                     |         | C254     | 1-162-919-11 | CERAMIC CHIP 22PF     | 5% 50V      |
| C116         | 1-107-826-11                | CERAMIC CHIP 0.1uF 10.00% 16V               |         | C255     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
|              |                             |                                             |         | C256     | 1-164-360-11 | CERAMIC CHIP 0.1uF    | 16V         |
|              |                             |                                             |         | C257     | 1-165-112-11 | CERAMIC CHIP 0.33uF   | 16V         |
|              |                             |                                             |         | C258     | 1-162-919-11 | CERAMIC CHIP 22PF     | 5% 50V      |
|              |                             |                                             |         | C259     | 1-164-361-11 | CERAMIC CHIP 0.047uF  | 16V         |
|              |                             |                                             |         | C260     | 1-126-246-11 | ELECT CHIP 220uF      | 20% 4V      |
|              |                             |                                             |         | C261     | 1-126-607-11 | ELECT CHIP 47uF       | 20% 4V      |
|              |                             |                                             |         | C262     | 1-126-607-11 | ELECT CHIP 47uF       | 20% 4V      |
|              |                             |                                             |         | C263     | 1-125-822-11 | TANTAL. CHIP 10uF     | 20% 10V     |
|              |                             |                                             |         | C264     | 1-126-607-11 | ELECT CHIP 47uF       | 20% 4V      |
|              |                             |                                             |         | C265     | 1-126-607-11 | ELECT CHIP 47uF       | 20% 4V      |

# HCD-WZ5

**CD**
**CD-TC-SW**

| Ref. No.         | Part No.     | Description               | Remarks   |
|------------------|--------------|---------------------------|-----------|
| C266             | 1-164-156-11 | CERAMIC CHIP 0.1uF        | 25V       |
| C267             | 1-164-156-11 | CERAMIC CHIP 0.1uF        | 25V       |
| C268             | 1-162-966-11 | CERAMIC CHIP 0.0022uF     | 10% 50V   |
| C269             | 1-125-822-11 | TANTAL. CHIP 10uF         | 20% 10V   |
| C270             | 1-162-960-11 | CERAMIC CHIP 220PF        | 10% 50V   |
| C271             | 1-162-970-11 | CERAMIC CHIP 0.01uF       | 10% 25V   |
| C273             | 1-162-960-11 | CERAMIC CHIP 220PF        | 10% 50V   |
| C274             | 1-162-970-11 | CERAMIC CHIP 0.01uF       | 10% 25V   |
| C275             | 1-126-246-11 | ELECT CHIP 220uF          | 20% 4V    |
| C276             | 1-126-209-11 | ELECT CHIP 100uF          | 20.00% 4V |
| C279             | 1-100-588-21 | CAP, ELECT 1000uF         |           |
| C292             | 1-115-156-11 | CERAMIC CHIP 1uF          | 10V       |
| < CONNECTOR >    |              |                           |           |
| CN101            | 1-784-387-11 | CONNECTOR, FFC/FPC 31P    |           |
| CN102            | 1-777-937-11 | CONNECTOR, FFC/FPC 16P    |           |
| < FERRITE BEAD > |              |                           |           |
| FB101            | 1-500-283-11 | FERRITE 0uH               |           |
| FB102            | 1-500-283-11 | FERRITE 0uH               |           |
| FB103            | 1-500-283-11 | FERRITE 0uH               |           |
| FB104            | 1-500-283-11 | FERRITE 0uH               |           |
| FB106            | 1-500-283-11 | FERRITE 0uH               |           |
| FB107            | 1-500-283-11 | FERRITE 0uH               |           |
| FB291            | 1-500-283-11 | FERRITE 0uH               |           |
| < IC >           |              |                           |           |
| IC101            | 8-752-408-73 | IC CXD3068Q               |           |
| IC103            | 8-752-106-21 | IC CXA2647N-T4            |           |
| IC104            | 6-704-150-01 | IC CXD9717R-008           |           |
| IC121            | 6-700-394-01 | IC BA25BC0FP-E2           |           |
| IC150            | 8-759-677-90 | IC BA5947FP-E2            |           |
| < COIL >         |              |                           |           |
| L101             | 1-412-063-21 | INDUCTOR 68uH             |           |
| < TRANSISTOR >   |              |                           |           |
| Q101             | 8-729-046-90 | TRANSISTOR 2SB970-(TX).S0 |           |
| < RESISTOR >     |              |                           |           |
| R101             | 1-216-864-11 | METAL CHIP 0              | 5% 1/16W  |
| R102             | 1-216-833-11 | METAL CHIP 10K            | 5% 1/16W  |
| R103             | 1-216-845-11 | METAL CHIP 100K           | 5% 1/16W  |
| R104             | 1-216-833-11 | METAL CHIP 10K            | 5% 1/16W  |
| R105             | 1-216-821-11 | METAL CHIP 1K             | 5% 1/16W  |
| R111             | 1-216-847-11 | METAL CHIP 150K           | 5% 1/16W  |
| R113             | 1-216-828-11 | METAL CHIP 3.9K           | 5% 1/16W  |
| R114             | 1-216-852-11 | METAL CHIP 390K           | 5% 1/16W  |
| R117             | 1-216-846-11 | METAL CHIP 120K           | 5% 1/16W  |
| R118             | 1-216-833-11 | METAL CHIP 10K            | 5% 1/16W  |
| R120             | 1-216-846-11 | METAL CHIP 120K           | 5% 1/16W  |
| R122             | 1-216-845-11 | METAL CHIP 100K           | 5% 1/16W  |
| R123             | 1-216-791-11 | METAL CHIP 3.3            | 5% 1/16W  |
| R125             | 1-216-836-11 | METAL CHIP 18K            | 5% 1/16W  |
| R126             | 1-216-836-11 | METAL CHIP 18K            | 5% 1/16W  |
| R131             | 1-216-843-11 | METAL CHIP 68K            | 5% 1/16W  |
| R132             | 1-216-851-11 | METAL CHIP 330K           | 5% 1/16W  |

| Ref. No.     | Part No.     | Description               |      |    | Remarks |
|--------------|--------------|---------------------------|------|----|---------|
| R133         | 1-216-825-11 | METAL CHIP                | 2.2K | 5% | 1/16W   |
| R151         | 1-216-833-11 | METAL CHIP                | 10K  | 5% | 1/16W   |
| R152         | 1-216-849-11 | METAL CHIP                | 220K | 5% | 1/16W   |
| R153         | 1-216-864-11 | METAL CHIP                | 0    | 5% | 1/16W   |
| R155         | 1-216-864-11 | METAL CHIP                | 0    | 5% | 1/16W   |
| R156         | 1-216-864-11 | METAL CHIP                | 0    | 5% | 1/16W   |
| R201         | 1-216-839-11 | METAL CHIP                | 33K  | 5% | 1/16W   |
| R202         | 1-216-833-11 | METAL CHIP                | 10K  | 5% | 1/16W   |
| R203         | 1-216-845-11 | METAL CHIP                | 100K | 5% | 1/16W   |
| R204         | 1-216-825-11 | METAL CHIP                | 2.2K | 5% | 1/16W   |
| R205         | 1-216-821-11 | METAL CHIP                | 1K   | 5% | 1/16W   |
| R206         | 1-216-825-11 | METAL CHIP                | 2.2K | 5% | 1/16W   |
| R207         | 1-216-857-11 | METAL CHIP                | 1M   | 5% | 1/16W   |
| R212         | 1-216-817-11 | METAL CHIP                | 470  | 5% | 1/16W   |
| R213         | 1-216-817-11 | METAL CHIP                | 470  | 5% | 1/16W   |
| R215         | 1-216-864-11 | METAL CHIP                | 0    | 5% | 1/16W   |
| R216         | 1-216-857-11 | METAL CHIP                | 1M   | 5% | 1/16W   |
| R218         | 1-216-821-11 | METAL CHIP                | 1K   | 5% | 1/16W   |
| R219         | 1-216-821-11 | METAL CHIP                | 1K   | 5% | 1/16W   |
| R220         | 1-216-821-11 | METAL CHIP                | 1K   | 5% | 1/16W   |
| R230         | 1-216-813-11 | METAL CHIP                | 220  | 5% | 1/16W   |
| R231         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R232         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R233         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R249         | 1-216-817-11 | METAL CHIP                | 470  | 5% | 1/16W   |
| R250         | 1-216-813-11 | METAL CHIP                | 220  | 5% | 1/16W   |
| R251         | 1-216-813-11 | METAL CHIP                | 220  | 5% | 1/16W   |
| R252         | 1-216-857-11 | METAL CHIP                | 1M   | 5% | 1/16W   |
| R253         | 1-216-819-11 | METAL CHIP                | 680  | 5% | 1/16W   |
| R254         | 1-216-845-11 | METAL CHIP                | 100K | 5% | 1/16W   |
| R255         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R257         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R259         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R260         | 1-216-821-11 | METAL CHIP                | 1K   | 5% | 1/16W   |
| R265         | 1-216-813-11 | METAL CHIP                | 220  | 5% | 1/16W   |
| R266         | 1-216-813-11 | METAL CHIP                | 220  | 5% | 1/16W   |
| R271         | 1-216-833-11 | METAL CHIP                | 10K  | 5% | 1/16W   |
| R272         | 1-216-821-11 | METAL CHIP                | 1K   | 5% | 1/16W   |
| R275         | 1-216-833-11 | METAL CHIP                | 10K  | 5% | 1/16W   |
| R276         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R279         | 1-216-809-11 | METAL CHIP                | 100  | 5% | 1/16W   |
| R280         | 1-216-296-11 | SHORT CHIP                | 0    |    |         |
| < SWITCH >   |              |                           |      |    |         |
| S101         | 1-771-853-11 | SWITCH, DETECTION         |      |    |         |
| < VIBRATOR > |              |                           |      |    |         |
| X201         | 1-767-408-21 | VIBRATOR, CRYSTAL 16.9MHz |      |    |         |
| *****        |              |                           |      |    |         |
|              | 1-687-207-11 | CD-TC-SW BOARD            |      |    |         |
| *****        |              |                           |      |    |         |
| < RESISTOR > |              |                           |      |    |         |
| R651         | 1-216-837-11 | METAL CHIP                | 22K  | 5% | 1/16W   |
| R652         | 1-216-839-11 | METAL CHIP                | 33K  | 5% | 1/16W   |
| R653         | 1-216-843-11 | METAL CHIP                | 68K  | 5% | 1/16W   |

## CD-TC-SW

## ENTER-SW

## HP-AMP

## LCD

## MAIN

| Ref. No. | Part No.     | Description                          | Remarks |
|----------|--------------|--------------------------------------|---------|
|          |              | < SWITCH >                           |         |
| S638     | 1-762-875-21 | SWITCH, KEYBOARD (▲)                 |         |
| S639     | 1-762-875-21 | SWITCH, KEYBOARD RD (CD SYNC)        |         |
| S640     | 1-762-875-21 | SWITCH, KEYBOARD (REC)               |         |
| *****    |              |                                      |         |
|          | 1-687-205-11 | ENTER-SW BOARD                       |         |
|          |              | *****                                |         |
|          |              | < RESISTOR >                         |         |
| R646     | 1-216-827-11 | METAL CHIP 3.3K 5% 1/16W             |         |
| R647     | 1-216-829-11 | METAL CHIP 4.7K 5% 1/16W             |         |
| R648     | 1-218-867-11 | METAL CHIP 6.8K 5% 1/10W             |         |
| R649     | 1-216-833-11 | METAL CHIP 10K 5% 1/16W              |         |
| R650     | 1-216-835-11 | METAL CHIP 15K 5% 1/16W              |         |
|          |              | < SWITCH >                           |         |
| S637     | 1-771-879-11 | SWITCH, TACTILE (⇨ ⇩ ⇧ ⇨ PUSH ENTER) |         |
| *****    |              |                                      |         |
|          | 1-687-208-11 | HP-AMP BOARD                         |         |
|          |              | *****                                |         |
|          |              | < CONNECTOR >                        |         |
| CN601    | 1-785-329-11 | PIN, CONNECTOR (LIGHT ANGLE) 3P      |         |
|          |              | < GROUND TERMINAL >                  |         |
| EP601    | 1-537-738-21 | TERMINAL, GROUND                     |         |
|          |              | < JACK >                             |         |
| J603     | 1-793-829-11 | JACK, HEADPHONE (🎧)                  |         |
| *****    |              |                                      |         |
|          | A-4732-447-A | LCD BOARD, COMPLETE                  |         |
|          |              | *****                                |         |
|          |              | < CAPACITOR >                        |         |
| C246     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V               |         |
| C247     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V               |         |
| C248     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V               |         |
| C249     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V               |         |
| C250     | 1-126-160-11 | ELECT 1uF 20% 50V                    |         |
| C251     | 1-126-160-11 | ELECT 1uF 20% 50V                    |         |
| C252     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V               |         |
| C261     | 1-162-953-11 | CERAMIC CHIP 100pF 5% 50V            |         |
| C262     | 1-162-953-11 | CERAMIC CHIP 100pF 5% 50V            |         |
| C263     | 1-162-953-11 | CERAMIC CHIP 100pF 5% 50V            |         |
| C264     | 1-162-953-11 | CERAMIC CHIP 100pF 5% 50V            |         |
| C265     | 1-162-953-11 | CERAMIC CHIP 100pF 5% 50V            |         |
| C266     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V               |         |
| C267     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V               |         |
|          |              | < DIODE >                            |         |
| D261     | 8-719-988-61 | DIODE 1SS355TE-17                    |         |
| D262     | 8-719-988-61 | DIODE 1SS355TE-17                    |         |
|          |              | < RESISTOR >                         |         |
| R252     | 1-216-833-11 | METAL CHIP 10K 5% 1/16W              |         |

| Ref. No. | Part No.     | Description                     | Remarks |
|----------|--------------|---------------------------------|---------|
| R253     | 1-216-833-11 | METAL CHIP 10K 5% 1/16W         |         |
| R254     | 1-216-809-11 | METAL CHIP 100 5% 1/16W         |         |
| R255     | 1-216-809-11 | METAL CHIP 100 5% 1/16W         |         |
| R256     | 1-216-809-11 | METAL CHIP 100 5% 1/16W         |         |
| R257     | 1-216-809-11 | METAL CHIP 100 5% 1/16W         |         |
| R258     | 1-216-809-11 | METAL CHIP 100 5% 1/16W         |         |
| *****    |              |                                 |         |
|          | A-4731-855-A | MAIN BOARD, COMPLETE (AEP,UK)   |         |
|          | A-4731-862-A | MAIN BOARD, COMPLETE (E3)       |         |
|          | A-4733-387-A | MAIN BOARD, COMPLETE (AUS)      |         |
|          | A-4733-384-A | MAIN BOARD, COMPLETE (E2)       |         |
|          | A-4748-128-A | MAIN BOARD, COMPLETE (KR)       |         |
|          | A-4748-130-A | MAIN BOARD, COMPLETE (TW)       |         |
| *****    |              |                                 |         |
|          |              | < CAPACITOR >                   |         |
| C102     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C103     | 1-126-961-11 | ELECT 2.2uF 20.00% 50V          |         |
| C104     | 1-124-261-00 | ELECT 10uF 20% 50V              |         |
| C106     | 1-164-227-11 | CERAMIC CHIP 0.022uF 10% 25V    |         |
| C107     | 1-164-227-11 | CERAMIC CHIP 0.022uF 10% 25V    |         |
| C108     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C109     | 1-110-563-11 | CERAMIC CHIP 0.068uF 10.00% 16V |         |
| C110     | 1-162-968-11 | CERAMIC CHIP 0.0047uF 10% 50V   |         |
| C111     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C112     | 1-137-189-11 | FILM 0.18uF 5.00% 50V           |         |
| C113     | 1-136-171-00 | FILM 0.33uF 5.00% 50V           |         |
| C114     | 1-124-261-00 | ELECT 10uF 20% 50V              |         |
| C121     | 1-130-491-00 | MYLAR 0.047uF 5% 50V            |         |
| C123     | 1-124-584-00 | ELECT 100uF 20% 10V             |         |
| C125     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V          |         |
| C126     | 1-104-665-11 | ELECT 100uF 20.00% 10V          |         |
| C129     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C133     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C134     | 1-126-967-11 | ELECT 47uF 20.00% 50V           |         |
| C140     | 1-126-960-11 | ELECT 1uF 20.00% 50V            |         |
| C152     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C153     | 1-126-961-11 | ELECT 2.2uF 20.00% 50V          |         |
| C154     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C156     | 1-164-227-11 | CERAMIC CHIP 0.022uF 10% 25V    |         |
| C157     | 1-164-227-11 | CERAMIC CHIP 0.022uF 10% 25V    |         |
| C158     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C159     | 1-110-563-11 | CERAMIC CHIP 0.068uF 10.00% 16V |         |
| C160     | 1-162-968-11 | CERAMIC CHIP 0.0047uF 10% 50V   |         |
| C161     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C162     | 1-137-189-11 | FILM 0.18uF 5.00% 50V           |         |
| C163     | 1-136-171-00 | FILM 0.33uF 5.00% 50V           |         |
| C164     | 1-124-261-00 | ELECT 10uF 20% 50V              |         |
| C165     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C166     | 1-104-665-11 | ELECT 100uF 20.00% 10V          |         |
| C170     | 1-162-919-11 | CERAMIC CHIP 22pF 5% 50V        |         |
| C171     | 1-162-960-11 | CERAMIC CHIP 220pF 10% 50V      |         |
| C172     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C173     | 1-162-960-11 | CERAMIC CHIP 220pF 10% 50V      |         |
| C174     | 1-126-964-11 | ELECT 10uF 20.00% 50V           |         |
| C176     | 1-162-923-11 | CERAMIC CHIP 47pF 5% 50V        |         |
| C177     | 1-126-916-11 | ELECT 1000uF 20.00% 6.3V        |         |
| C178     | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V          |         |

# HCD-WZ5

## MAIN

| Ref. No.      | Part No.     | Description                          | Remarks             |
|---------------|--------------|--------------------------------------|---------------------|
| C181          | 1-162-960-11 | CERAMIC CHIP 220pF                   | 10% 50V             |
| C182          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C183          | 1-162-960-11 | CERAMIC CHIP 220pF                   | 10% 50V             |
| C184          | 1-124-261-00 | ELECT 10uF                           | 20% 50V             |
| C186          | 1-162-923-11 | CERAMIC CHIP 47pF                    | 5% 50V              |
| C187          | 1-126-916-11 | ELECT 1000uF                         | 20.00% 6.3V         |
| C188          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C190          | 1-162-919-11 | CERAMIC CHIP 22pF                    | 5% 50V              |
| C194          | 1-126-928-11 | ELECT 3300uF                         | 20.00% 10V          |
| C198          | 1-126-960-11 | ELECT 1uF                            | 20.00% 50V          |
| C200          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C201          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C202          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C205          | 1-126-935-11 | ELECT 470uF                          | 20.00% 10V          |
| C206          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C207          | 1-126-935-11 | ELECT 470uF                          | 20.00% 10V          |
| C208          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C209          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C220          | 1-104-665-11 | ELECT 100uF                          | 20.00% 10V (AEP,UK) |
| C221          | 1-104-665-11 | ELECT 100uF                          | 20.00% 10V          |
| C222          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C225          | 1-162-974-11 | CERAMIC CHIP 0.01uF                  | 50V                 |
| C226          | 1-162-974-11 | CERAMIC CHIP 0.01uF                  | 50V                 |
| C227          | 1-162-974-11 | CERAMIC CHIP 0.01uF                  | 50V                 |
| C228          | 1-126-935-11 | ELECT 470uF                          | 20.00% 10V          |
| C229          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C230          | 1-126-963-11 | ELECT 4.7uF                          | 20.00% 50V          |
| C231          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C232          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C253          | 1-126-960-11 | ELECT 1uF                            | 20.00% 50V          |
| C254          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C255          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C270          | 1-104-665-11 | ELECT 100uF                          | 20.00% 10V          |
| C281          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C282          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C292          | 1-136-165-00 | FILM 0.1uF                           | 5.00% 50V           |
| C293          | 1-136-165-00 | FILM 0.1uF                           | 5.00% 50V           |
| C294          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C400          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C410          | 1-162-918-11 | CERAMIC CHIP 18pF                    | 5.00% 50V           |
| C411          | 1-162-917-11 | CERAMIC CHIP 15pF                    | 5% 50V              |
| C412          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C416          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C417          | 1-104-656-11 | ELECT 2200uF                         | 20.00% 6.3V         |
| C462          | 1-104-665-11 | ELECT 100uF                          | 20.00% 10V          |
| C463          | 1-162-974-11 | CERAMIC CHIP 0.01uF                  | 50V                 |
| C475          | 1-162-974-11 | CERAMIC CHIP 0.01uF                  | 50V                 |
| C476          | 1-162-974-11 | CERAMIC CHIP 0.01uF                  | 50V                 |
| C497          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| C498          | 1-126-964-11 | ELECT 10uF                           | 20.00% 50V          |
| C499          | 1-164-156-11 | CERAMIC CHIP 0.1uF                   | 25V                 |
| < CONNECTOR > |              |                                      |                     |
| CN101         | 1-779-299-11 | CONNECTOR,FFC(LIF(NON-ZIF)) 31P      |                     |
| CN103         | 1-779-273-11 | CONNECTOR, FFC(LIF(NON-ZIF)) 5P      |                     |
| CN104         | 1-784-776-11 | CONNECTOR, FFC 15P (AEP,UK)          |                     |
| CN104         | 1-568-830-11 | CONNECTOR, FFC 11P (E2,E3,KR,TW,AUS) |                     |

| Ref. No.            | Part No.     | Description                          | Remarks                    |
|---------------------|--------------|--------------------------------------|----------------------------|
| CN105               | 1-568-826-11 | CONNECTOR, FFC 7P (E2,E3,KR,TW,AUS)  |                            |
| CN107               | 1-691-907-11 | PIN, CONNECTOR 15P                   |                            |
| CN108               | 1-785-321-11 | PIN, CONNECTOR (STRAIGHT) 9P         |                            |
| CN109               | 1-784-784-11 | CONNECTOR, FFC 23P                   |                            |
| CN110               | 1-770-827-21 | CONNECTOR, BOARD TO BOARD 16P        |                            |
| CN111               | 1-573-847-11 | CONNECTOR, BOARD TO BOARD 15P        |                            |
| CN401               | 1-785-316-11 | PIN, CONNECTOR (STRAIGHT) 4P         |                            |
| < DIODE >           |              |                                      |                            |
| D191                | 8-719-058-24 | DIODE RB501V-40TE-17                 |                            |
| D192                | 8-719-058-24 | DIODE RB501V-40TE-17                 |                            |
| D193                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| D252                | 8-719-988-61 | DIODE 1SS355TE-17 (AEP,UK)           |                            |
| D284                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| D292                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| D293                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| D294                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| D295                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| D402                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| D403                | 8-719-988-61 | DIODE 1SS355TE-17                    |                            |
| < FERRITE BEAD >    |              |                                      |                            |
| FB202               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| FB416               | 1-500-445-21 | FERRITE 0uH                          |                            |
| FB462               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| FB499               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| < IC >              |              |                                      |                            |
| IC101               | 6-703-650-11 | IC M61529FP-D60G                     |                            |
| IC103               | 8-759-745-64 | IC NJM4560M-TE2                      |                            |
| IC201               | 8-749-019-25 | IC TOTX141 (CD DIGITAL OUT OPTICAL)  | (AEP,UK)                   |
| IC202               | 8-759-598-69 | IC BA6956AN                          |                            |
| IC251               | 8-759-532-64 | IC M62703SL-TP                       |                            |
| IC281               | 8-759-422-21 | IC NJM4580V (TE2)                    |                            |
| IC401               | 6-802-614-01 | IC M30624MGN-A17FP                   |                            |
| < JACK >            |              |                                      |                            |
| J101                | 1-793-526-21 | JACK, PIN 4P (MD (VIDEO) L/R IN/OUT) |                            |
| < JUMPER RESISTOR > |              |                                      |                            |
| JR21                | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| JR101               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| JR104               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| JR105               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| JR106               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| JR171               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| JR181               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W                   |
| JR418               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W (E2,E3,KR,TW,AUS) |
| JR440               | 1-216-864-11 | METAL CHIP 0                         | 5% 1/16W (E2,E3,KR,TW,AUS) |
| < COIL >            |              |                                      |                            |
| L220                | 1-412-064-11 | INDUCTOR 100uH (AEP,UK)              |                            |

| Ref. No.       | Part No.     | Description | Remarks           | Ref. No.    | Part No.     | Description | Remarks       |
|----------------|--------------|-------------|-------------------|-------------|--------------|-------------|---------------|
| < TRANSISTOR > |              |             |                   | R188        | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W   |
| Q101           | 8-729-120-28 | TRANSISTOR  | 2SC1623-T1-L5L6   | R189        | 1-216-801-11 | METAL CHIP  | 22 5% 1/16W   |
| Q151           | 8-729-120-28 | TRANSISTOR  | 2SC1623-T1-L5L6   | R190        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| Q161           | 8-729-141-73 | TRANSISTOR  | 2SC3624A-T1L15L16 | R193        | 1-216-837-11 | METAL CHIP  | 22K 5% 1/16W  |
| Q171           | 8-729-141-73 | TRANSISTOR  | 2SC3624A-T1L15L16 | R194        | 1-216-843-11 | METAL CHIP  | 68K 5% 1/16W  |
| Q181           | 8-729-141-73 | TRANSISTOR  | 2SC3624A-T1L15L16 | R195        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| Q191           | 8-729-120-28 | TRANSISTOR  | 2SC1623-T1-L5L6   | R196        | 1-216-815-11 | METAL CHIP  | 330 5% 1/16W  |
| Q231           | 8-729-141-73 | TRANSISTOR  | 2SC3624A-T1L15L16 | R197        | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W   |
| Q232           | 8-729-141-73 | TRANSISTOR  | 2SC3624A-T1L15L16 | R198        | 1-216-813-11 | METAL CHIP  | 220 5% 1/16W  |
| Q233           | 8-729-900-53 | TRANSISTOR  | DTC114EKA-T146    | R199        | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W |
| Q234           | 8-729-027-23 | TRANSISTOR  | DTA114EKA-T146    | R202        | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W   |
| Q272           | 8-729-027-23 | TRANSISTOR  | DTA114EKA-T146    | R204        | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W   |
| Q273           | 8-729-900-53 | TRANSISTOR  | DTC114EKA-T146    | R221        | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W   |
| Q293           | 8-729-120-28 | TRANSISTOR  | 2SC1623-T1-L5L6   | R222        | 1-216-819-11 | METAL CHIP  | 680 5% 1/16W  |
| < RESISTOR >   |              |             |                   | R230        | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W   |
| R101           | 1-216-825-11 | METAL CHIP  | 2.2K 5% 1/16W     | R231        | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W |
| R102           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R233        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R103           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R234        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R104           | 1-216-819-11 | METAL CHIP  | 680 5% 1/16W      | R235        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R104           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R236        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| (E3,KR,TW)     |              |             |                   | R237        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R105           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R238        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R111           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R239        | 1-216-827-11 | METAL CHIP  | 3.3K 5% 1/16W |
| R112           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W       | R241        | 1-216-864-11 | METAL CHIP  | 0 5% 1/16W    |
| R113           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W       | (EXCEPT E2) |              |             |               |
| R114           | 1-216-864-11 | METAL CHIP  | 0 5% 1/16W        | R241        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
|                |              |             |                   | (E2)        |              |             |               |
| R115           | 1-216-864-11 | METAL CHIP  | 0 5% 1/16W        | R242        | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W |
| R140           | 1-216-857-11 | METAL CHIP  | 1M 5% 1/16W       | (E2)        |              |             |               |
| R149           | 1-216-801-11 | METAL CHIP  | 22 5% 1/16W       | R273        | 1-216-813-11 | METAL CHIP  | 220 5% 1/16W  |
| R151           | 1-216-825-11 | METAL CHIP  | 2.2K 5% 1/16W     | R280        | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W   |
| R152           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R281        | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W |
| R153           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R283        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R154           | 1-216-819-11 | METAL CHIP  | 680 5% 1/16W      | R284        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R154           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R285        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| (E3,KR,TW)     |              |             |                   | R286        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R155           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R287        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R159           | 1-216-801-11 | METAL CHIP  | 22 5% 1/16W       | R291        | 1-216-864-11 | METAL CHIP  | 0 5% 1/16W    |
|                |              |             |                   | (EXCEPT E2) |              |             |               |
| R166           | 1-216-825-11 | METAL CHIP  | 2.2K 5% 1/16W     | R291        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R167           | 1-216-827-11 | METAL CHIP  | 3.3K 5% 1/16W     | (E2)        |              |             |               |
| R168           | 1-216-815-11 | METAL CHIP  | 330 5% 1/16W      | R292        | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W |
| R171           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W       | (E2)        |              |             |               |
| R172           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R294        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R173           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W       | R295        | 1-216-841-11 | METAL CHIP  | 47K 5% 1/16W  |
| R174           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R296        | 1-216-841-11 | METAL CHIP  | 47K 5% 1/16W  |
| R175           | 1-216-837-11 | METAL CHIP  | 22K 5% 1/16W      | R297        | 1-216-829-11 | METAL CHIP  | 4.7K 5% 1/16W |
| R176           | 1-216-841-11 | METAL CHIP  | 47K 5% 1/16W      | R298        | 1-216-813-11 | METAL CHIP  | 220 5% 1/16W  |
| R177           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R299        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R178           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W       | R401        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| R179           | 1-216-801-11 | METAL CHIP  | 22 5% 1/16W       | R402        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| R180           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W      | R403        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| R181           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W       | R404        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| R182           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R405        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| R183           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W       | R406        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| R184           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R407        | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W  |
| R185           | 1-216-837-11 | METAL CHIP  | 22K 5% 1/16W      | R408        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R186           | 1-216-841-11 | METAL CHIP  | 47K 5% 1/16W      | R409        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |
| R187           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W     | R410        | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W  |

# HCD-WZ5

|      |        |       |
|------|--------|-------|
| MAIN | MS-128 | PANEL |
|------|--------|-------|

| Ref. No. | Part No.     | Description     | Remarks              |
|----------|--------------|-----------------|----------------------|
| R411     | 1-216-851-11 | METAL CHIP 330K | 5% 1/16W             |
| R412     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R413     | 1-216-864-11 | METAL CHIP 0    | 5% 1/16W             |
| R414     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R415     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R416     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R417     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R418     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W<br>(AEP,UK) |
| R419     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R420     | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/16W             |
| R421     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R422     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R423     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R424     | 1-216-826-11 | METAL CHIP 2.7K | 5% 1/16W             |
| R425     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R426     | 1-216-847-11 | METAL CHIP 150K | 5% 1/16W             |
| R427     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R428     | 1-216-843-11 | METAL CHIP 68K  | 5% 1/16W             |
| R429     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R430     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R431     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R432     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R433     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R434     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R435     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R436     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R437     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R439     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R440     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W<br>(AEP,UK) |
| R441     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R442     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R443     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R444     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R445     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R446     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R447     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R451     | 1-216-857-11 | METAL CHIP 1M   | 5% 1/16W             |
| R453     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R454     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R455     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R456     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R457     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R458     | 1-216-821-11 | METAL CHIP 1K   | 5% 1/16W             |
| R459     | 1-216-821-11 | METAL CHIP 1K   | 5% 1/16W             |
| R460     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R461     | 1-216-821-11 | METAL CHIP 1K   | 5% 1/16W             |
| R462     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R463     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R464     | 1-216-833-11 | METAL CHIP 10K  | 5% 1/16W             |
| R465     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R466     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R467     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R468     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R469     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R470     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |
| R471     | 1-216-809-11 | METAL CHIP 100  | 5% 1/16W             |

| Ref. No.      | Part No.     | Description                 | Remarks                    |
|---------------|--------------|-----------------------------|----------------------------|
| R472          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R473          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R474          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R475          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R476          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R478          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R479          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R480          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R481          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R482          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R483          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R484          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R485          | 1-216-833-11 | METAL CHIP 10K              | 5% 1/16W                   |
| R486          | 1-216-833-11 | METAL CHIP 10K              | 5% 1/16W                   |
| R487          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R488          | 1-216-809-11 | METAL CHIP 100              | 5% 1/16W                   |
| R489          | 1-216-821-11 | METAL CHIP 1K               | 5% 1/16W                   |
| R490          | 1-216-821-11 | METAL CHIP 1K               | 5% 1/16W                   |
| R491          | 1-216-821-11 | METAL CHIP 1K               | 5% 1/16W                   |
| R492          | 1-216-821-11 | METAL CHIP 1K               | 5% 1/16W                   |
| R493          | 1-216-829-11 | METAL CHIP 4.7K             | 5% 1/16W<br>(AEP,UK,E2)    |
| R493          | 1-216-864-11 | METAL CHIP 0                | 5% 1/16W<br>(E3,KR,TW,AUS) |
| R494          | 1-216-817-11 | METAL CHIP 470              | 5% 1/16W                   |
| R495          | 1-216-817-11 | METAL CHIP 470              | 5% 1/16W                   |
| R496          | 1-216-864-11 | METAL CHIP 0                | 5% 1/16W<br>(AEP,UK)       |
| R496          | 1-216-829-11 | METAL CHIP 4.7K             | 5% 1/16W<br>(E3,KR,TW,AUS) |
| R496          | 1-216-821-11 | METAL CHIP 1K               | 5% 1/16W<br>(E2)           |
| R497          | 1-216-833-11 | METAL CHIP 10K              | 5% 1/16W                   |
| R498          | 1-216-835-11 | METAL CHIP 15K              | 5% 1/16W                   |
| R499          | 1-216-835-11 | METAL CHIP 15K              | 5% 1/16W                   |
| < VIBRATOR >  |              |                             |                            |
| X401          | 1-567-098-41 | VIBRATOR, CRYSTAL 32.768KHz |                            |
| X402          | 1-781-107-21 | VIBRATOR, SERAMIC 16MHz     |                            |
| *****         |              |                             |                            |
|               | 1-687-568-11 | MS-128 BOARD                | *****                      |
| <CONNECTOR >  |              |                             |                            |
| CN001         | 1-815-412-11 | CONNECTOR, FFCI FPC 5P      |                            |
| <SWITCH >     |              |                             |                            |
| S001          | 1-786-357-12 | SWITCH, LEVER(SLIDE)        |                            |
| *****         |              |                             |                            |
|               | A-4731-875-A | PANEL BOARD, COMPLETE       | *****                      |
| < CAPACITOR > |              |                             |                            |
| C601          | 1-126-947-11 | ELECT 47uF                  | 20.00% 16V                 |

## PANEL

## REGULATOR

| Ref. No.            | Part No.     | Description                      | Remarks |
|---------------------|--------------|----------------------------------|---------|
| < CONNECTOR >       |              |                                  |         |
| CN603               | 1-785-329-11 | PIN, CONNECTOR (LIGHT ANGLE) 3P  |         |
| CN604               | 1-785-328-11 | PIN, CONNECTOR (LIGHT ANGLE) 2P  |         |
| CN605               | 1-784-784-11 | CONNECTOR, FFC 23P               |         |
| < DIODE >           |              |                                  |         |
| D601                | 8-719-058-04 | DIODE SEL5223S-TP15 (I/⬇)        |         |
| D602                | 8-719-058-03 | DIODE SEL5423E-TP15 (<D>)        |         |
| D603                | 8-719-058-64 | DIODE SEL5823A-TP15 (MD (VIDEO)) |         |
| D604                | 8-719-058-64 | DIODE SEL5823A-TP15 (TAPE A/B)   |         |
| D605                | 8-719-058-64 | DIODE SEL5823A-TP15 (CD)         |         |
| D606                | 8-719-058-64 | DIODE SEL5823A-TP15 (TUNER/BAND) |         |
| < IC >              |              |                                  |         |
| IC601               | 6-600-210-01 | IC RPM7240-H8 (B)                |         |
| < JUMPER RESISTOR > |              |                                  |         |
| JR605               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR606               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR607               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR608               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR609               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR610               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR611               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR612               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| JR613               | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| < TRANSISTOR >      |              |                                  |         |
| Q601                | 8-729-900-53 | TRANSISTOR DTC114EKA-T146        |         |
| Q602                | 8-729-900-53 | TRANSISTOR DTC114EKA-T146        |         |
| Q603                | 8-729-900-53 | TRANSISTOR DTC114EKA-T146        |         |
| Q604                | 8-729-900-53 | TRANSISTOR DTC114EKA-T146        |         |
| Q605                | 8-729-900-53 | TRANSISTOR DTC114EKA-T146        |         |
| Q606                | 8-729-900-53 | TRANSISTOR DTC114EKA-T146        |         |
| Q608                | 8-729-120-28 | TRANSISTOR 2SC1623-T1-L5L6       |         |
| Q609                | 8-729-120-28 | TRANSISTOR 2SC1623-T1-L5L6       |         |
| < RESISTOR >        |              |                                  |         |
| R601                | 1-216-821-11 | METAL CHIP 1K 5% 1/16W           |         |
| R602                | 1-216-821-11 | METAL CHIP 1K 5% 1/16W           |         |
| R603                | 1-216-821-11 | METAL CHIP 1K 5% 1/16W           |         |
| R604                | 1-216-821-11 | METAL CHIP 1K 5% 1/16W           |         |
| R605                | 1-216-821-11 | METAL CHIP 1K 5% 1/16W           |         |
| R606                | 1-216-821-11 | METAL CHIP 1K 5% 1/16W           |         |
| R614                | 1-216-864-11 | METAL CHIP 0 5% 1/16W            |         |
| R621                | 1-216-819-11 | METAL CHIP 680 5% 1/16W          |         |
| R622                | 1-216-821-11 | METAL CHIP 1K 5% 1/16W           |         |
| R623                | 1-216-823-11 | METAL CHIP 1.5K 5% 1/16W         |         |
| R624                | 1-216-823-11 | METAL CHIP 1.5K 5% 1/16W         |         |
| R625                | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W         |         |
| R626                | 1-216-827-11 | METAL CHIP 3.3K 5% 1/16W         |         |
| R627                | 1-216-829-11 | METAL CHIP 4.7K 5% 1/16W         |         |
| R628                | 1-218-867-11 | METAL CHIP 6.8K 5% 1/10W         |         |
| R629                | 1-216-833-11 | METAL CHIP 10K 5% 1/16W          |         |
| R630                | 1-216-835-11 | METAL CHIP 15K 5% 1/16W          |         |
| R631                | 1-216-837-11 | METAL CHIP 22K 5% 1/16W          |         |
| R632                | 1-216-839-11 | METAL CHIP 33K 5% 1/16W          |         |

| Ref. No.   | Part No.     | Description                            | Remarks |
|------------|--------------|----------------------------------------|---------|
| R637       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R638       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R639       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R640       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R641       | 1-216-819-11 | METAL CHIP 680 5% 1/16W                |         |
| R642       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R643       | 1-216-823-11 | METAL CHIP 1.5K 5% 1/16W               |         |
| R644       | 1-216-823-11 | METAL CHIP 1.5K 5% 1/16W               |         |
| R645       | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W               |         |
| R655       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R656       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R657       | 1-216-809-11 | METAL CHIP 100 5% 1/16W                |         |
| R658       | 1-216-809-11 | METAL CHIP 100 5% 1/16W                |         |
| R659       | 1-216-809-11 | METAL CHIP 100 5% 1/16W                |         |
| R660       | 1-216-809-11 | METAL CHIP 100 5% 1/16W                |         |
| R661       | 1-216-809-11 | METAL CHIP 100 5% 1/16W                |         |
| R662       | 1-216-809-11 | METAL CHIP 100 5% 1/16W                |         |
| R664       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R665       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R671       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R672       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R673       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R674       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R675       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R676       | 1-216-821-11 | METAL CHIP 1K 5% 1/16W                 |         |
| R678       | 1-216-864-11 | METAL CHIP 0 5% 1/16W                  |         |
| R679       | 1-216-864-11 | METAL CHIP 0 5% 1/16W                  |         |
| R680       | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W               |         |
| R681       | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W               |         |
| R682       | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W               |         |
| R683       | 1-216-825-11 | METAL CHIP 2.2K 5% 1/16W               |         |
| < SWITCH > |              |                                        |         |
| S601       | 1-476-504-11 | ENCODER, ROTARY (VOLUME)               |         |
| S602       | 1-762-875-21 | SWITCH, KEYBOARD (DISPLAY)             |         |
| S603       | 1-762-875-21 | SWITCH, KEYBOARD (I/⬇)                 |         |
| S611       | 1-762-875-21 | SWITCH, KEYBOARD (TUNER/BAND)          |         |
| S612       | 1-762-875-21 | SWITCH, KEYBOARD (CD)                  |         |
| S613       | 1-762-875-21 | SWITCH, KEYBOARD (TAPE A/B)            |         |
| S614       | 1-762-875-21 | SWITCH, KEYBOARD (MD (VIDEO))          |         |
| S615       | 1-762-875-21 | SWITCH, KEYBOARD (I<<<<< -)            |         |
| S616       | 1-762-875-21 | SWITCH, KEYBOARD (▶▶▶▶▶ +)             |         |
| S617       | 1-762-875-21 | SWITCH, KEYBOARD (MUSIC MODE)          |         |
| S618       | 1-762-875-21 | SWITCH, KEYBOARD (MOVIE MODE)          |         |
| S619       | 1-762-875-21 | SWITCH, KEYBOARD (SURROUND)            |         |
| S620       | 1-762-875-21 | SWITCH, KEYBOARD (GROOVE)              |         |
| S621       | 1-762-875-21 | SWITCH, KEYBOARD (■)                   |         |
| S622       | 1-762-875-21 | SWITCH, KEYBOARD (<D>)                 |         |
| S623       | 1-762-875-21 | SWITCH, KEYBOARD (■)                   |         |
| S631       | 1-762-875-21 | SWITCH, KEYBOARD (DIMMER)              |         |
| S632       | 1-762-875-21 | SWITCH, KEYBOARD (EQ EDIT)             |         |
| S633       | 1-762-875-21 | SWITCH, KEYBOARD (TUNING MODE)         |         |
| S634       | 1-762-875-21 | SWITCH, KEYBOARD (REPEAT FM MODE)      |         |
| S635       | 1-762-875-21 | SWITCH, KEYBOARD (PLAY MODE/DIRECTION) |         |
| S636       | 1-762-875-21 | SWITCH, KEYBOARD (TUNER MEMORY)        |         |

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# HCD-WZ5

## REGULATOR

| Ref. No.            | Part No.     | Description                        | Remarks |
|---------------------|--------------|------------------------------------|---------|
|                     | A-4731-872-A | REGULATOR BOARD, COMPLETE<br>***** |         |
|                     | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S          |         |
| < CAPACITOR >       |              |                                    |         |
| C501                | 1-162-965-11 | CERAMIC CHIP 0.0015uF 10% 50V      |         |
| C503                | 1-124-261-00 | ELECT 10uF 20% 50V                 |         |
| C506                | 1-128-131-11 | ELECT 22uF 20.00% 50V              |         |
| C509                | 1-124-261-00 | ELECT 10uF 20% 50V                 |         |
| C521                | 1-124-584-00 | ELECT 100uF 20% 10V                |         |
| C522                | 1-164-156-11 | CERAMIC CHIP 0.1uF 25V             |         |
| C523                | 1-128-131-11 | ELECT 22uF 20.00% 50V              |         |
| C551                | 1-162-965-11 | CERAMIC CHIP 0.0015uF 10% 50V      |         |
| C553                | 1-124-261-00 | ELECT 10uF 20% 50V                 |         |
| C556                | 1-128-131-11 | ELECT 22uF 20.00% 50V              |         |
| C559                | 1-124-261-00 | ELECT 10uF 20% 50V                 |         |
| C583                | 1-126-960-11 | ELECT 1uF 20.00% 50V               |         |
| C584                | 1-126-935-11 | ELECT 470uF 20.00% 10V             |         |
| C585                | 1-104-665-11 | ELECT 100uF 20.00% 10V             |         |
| C586                | 1-162-945-11 | CERAMIC CHIP 22pF 5% 50V           |         |
| C587                | 1-130-483-00 | MYLAR 0.01uF 5% 50V                |         |
| C588                | 1-130-483-00 | MYLAR 0.01uF 5% 50V                |         |
| C589                | 1-126-964-11 | ELECT 10uF 20.00% 50V              |         |
| C590                | 1-126-965-91 | ELECT 22uF 20.00% 50V              |         |
| C903                | 1-126-956-91 | ELECT 0.1uF 20.00% 50V             |         |
| C904                | 1-126-916-11 | ELECT 1000uF 20.00% 6.3V           |         |
| C914                | 1-126-927-11 | ELECT 2200uF 20.00% 10V            |         |
| C915                | 1-126-956-91 | ELECT 0.1uF 20.00% 50V             |         |
| < CONNECTOR >       |              |                                    |         |
| CN501               | 1-573-829-11 | CONNECTOR, BOARD TO BOARD 15P      |         |
| CN502               | 1-770-828-41 | CONNECTOR, BOARD TO BOARD 16P      |         |
| CN503               | 1-568-373-11 | PIN, CONNECTOR 8P                  |         |
| * CN504             | 1-568-419-11 | PIN, CONNECTOR 9P                  |         |
| < DIODE >           |              |                                    |         |
| D581                | 8-719-988-61 | DIODE 1SS355TE-17                  |         |
| D910                | 8-719-988-61 | DIODE 1SS355TE-17                  |         |
| D911                | 6-500-522-21 | DIODE 10EDB40-TB3                  |         |
| D912                | 6-500-522-21 | DIODE 10EDB40-TB3                  |         |
| D913                | 6-500-522-21 | DIODE 10EDB40-TB3                  |         |
| < GROUND TERMINAL > |              |                                    |         |
| EP502               | 1-537-738-21 | TERMINAL, GROUND                   |         |
| < IC >              |              |                                    |         |
| IC501               | 8-759-939-73 | IC BA3308                          |         |
| IC581               | 8-759-100-96 | IC NJM4558M-TE2                    |         |
| IC901               | 8-759-701-59 | IC TA7809S                         |         |
| IC902               | 6-701-761-01 | IC uPC3533AHF                      |         |
| < JUMPER RESISTOR > |              |                                    |         |
| JR500               | 1-216-864-11 | METAL CHIP 0 5% 1/16W              |         |
| JR501               | 1-216-864-11 | METAL CHIP 0 5% 1/16W              |         |
| JR502               | 1-216-864-11 | METAL CHIP 0 5% 1/16W              |         |
| JR503               | 1-216-864-11 | METAL CHIP 0 5% 1/16W              |         |
| JR504               | 1-216-864-11 | METAL CHIP 0 5% 1/16W              |         |

| Ref. No.       | Part No.     | Description                  | Remarks |
|----------------|--------------|------------------------------|---------|
| JR505          | 1-216-864-11 | METAL CHIP 0 5% 1/16W        |         |
| JR506          | 1-216-864-11 | METAL CHIP 0 5% 1/16W        |         |
| JR507          | 1-216-864-11 | METAL CHIP 0 5% 1/16W        |         |
| < TRANSISTOR > |              |                              |         |
| Q501           | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 |         |
| Q502           | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 |         |
| Q520           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q521           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q522           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q523           | 8-729-027-23 | TRANSISTOR DTA114EKA-T146    |         |
| Q524           | 8-729-027-23 | TRANSISTOR DTA114EKA-T146    |         |
| Q551           | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 |         |
| Q552           | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 |         |
| Q581           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q582           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q583           | 8-729-120-28 | TRANSISTOR 2SC1623-T1-L5L6   |         |
| Q584           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q585           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q901           | 8-729-030-19 | TRANSISTOR 2SB1640(TP)       |         |
| Q902           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| Q905           | 8-729-216-22 | TRANSISTOR 2SA812-T1-M5M6    |         |
| Q906           | 8-729-900-53 | TRANSISTOR DTC114EKA-T146    |         |
| < RESISTOR >   |              |                              |         |
| R500           | 1-216-813-11 | METAL CHIP 220 5% 1/16W      |         |
| R501           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |
| R502           | 1-216-809-11 | METAL CHIP 100 5% 1/16W      |         |
| R503           | 1-216-833-11 | METAL CHIP 10K 5% 1/16W      |         |
| R504           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |
| R506           | 1-216-833-11 | METAL CHIP 10K 5% 1/16W      |         |
| R507           | 1-216-828-11 | METAL CHIP 3.9K 5% 1/16W     |         |
| R508           | 1-216-821-11 | METAL CHIP 1K 5% 1/16W       |         |
| R509           | 1-216-836-11 | METAL CHIP 18K 5% 1/16W      |         |
| R510           | 1-216-816-11 | METAL CHIP 390 5% 1/16W      |         |
| R511           | 1-216-839-11 | METAL CHIP 33K 5% 1/16W      |         |
| R512           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |
| R513           | 1-216-821-11 | METAL CHIP 1K 5% 1/16W       |         |
| R514           | 1-216-827-11 | METAL CHIP 3.3K 5% 1/16W     |         |
| R521           | 1-216-809-11 | METAL CHIP 100 5% 1/16W      |         |
| R522           | 1-216-861-11 | METAL CHIP 2.2M 5% 1/16W     |         |
| R523           | 1-216-809-11 | METAL CHIP 100 5% 1/16W      |         |
| R525           | 1-216-809-11 | METAL CHIP 100 5% 1/16W      |         |
| R551           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |
| R552           | 1-216-809-11 | METAL CHIP 100 5% 1/16W      |         |
| R553           | 1-216-833-11 | METAL CHIP 10K 5% 1/16W      |         |
| R554           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |
| R556           | 1-216-833-11 | METAL CHIP 10K 5% 1/16W      |         |
| R557           | 1-216-828-11 | METAL CHIP 3.9K 5% 1/16W     |         |
| R558           | 1-216-821-11 | METAL CHIP 1K 5% 1/16W       |         |
| R559           | 1-216-836-11 | METAL CHIP 18K 5% 1/16W      |         |
| R560           | 1-216-816-11 | METAL CHIP 390 5% 1/16W      |         |
| R561           | 1-216-839-11 | METAL CHIP 33K 5% 1/16W      |         |
| R562           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |
| R563           | 1-216-821-11 | METAL CHIP 1K 5% 1/16W       |         |
| R564           | 1-216-827-11 | METAL CHIP 3.3K 5% 1/16W     |         |
| R581           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |
| R582           | 1-216-845-11 | METAL CHIP 100K 5% 1/16W     |         |

## REGULATOR

## WOOFER

| Ref. No.            | Part No.     | Description                              |        |            | Remarks                 |
|---------------------|--------------|------------------------------------------|--------|------------|-------------------------|
| R583                | 1-216-832-11 | METAL CHIP                               | 8.2K   | 5%         | 1/16W                   |
| R584                | 1-216-825-11 | METAL CHIP                               | 2.2K   | 5%         | 1/16W                   |
| R585                | 1-216-833-11 | METAL CHIP                               | 10K    | 5%         | 1/16W                   |
| R586                | 1-216-821-11 | METAL CHIP                               | 1K     | 5%         | 1/16W                   |
| R587                | 1-216-821-11 | METAL CHIP                               | 1K     | 5%         | 1/16W                   |
| R588                | 1-216-861-11 | METAL CHIP                               | 2.2M   | 5%         | 1/16W                   |
| R589                | 1-216-835-11 | METAL CHIP                               | 15K    | 5%         | 1/16W                   |
| R590                | 1-216-835-11 | METAL CHIP                               | 15K    | 5%         | 1/16W                   |
| R591                | 1-216-833-11 | METAL CHIP                               | 10K    | 5%         | 1/16W                   |
| R592                | 1-216-829-11 | METAL CHIP                               | 4.7K   | 5%         | 1/16W                   |
| R593                | 1-216-833-11 | METAL CHIP                               | 10K    | 5%         | 1/16W                   |
| R594                | 1-216-833-11 | METAL CHIP                               | 10K    | 5%         | 1/16W                   |
| R595                | 1-216-833-11 | METAL CHIP                               | 10K    | 5%         | 1/16W                   |
| R596                | 1-216-837-11 | METAL CHIP                               | 22K    | 5%         | 1/16W                   |
| R597                | 1-216-864-11 | METAL CHIP                               | 0      | 5%         | 1/16W                   |
| R598                | 1-216-809-11 | METAL CHIP                               | 100    | 5%         | 1/16W                   |
| R900                | 1-216-833-11 | METAL CHIP                               | 10K    | 5%         | 1/16W                   |
| R901                | 1-216-825-11 | METAL CHIP                               | 2.2K   | 5%         | 1/16W                   |
| R902                | 1-216-825-11 | METAL CHIP                               | 2.2K   | 5%         | 1/16W                   |
| R903                | 1-216-825-11 | METAL CHIP                               | 2.2K   | 5%         | 1/16W                   |
| R908                | 1-216-809-11 | METAL CHIP                               | 100    | 5%         | 1/16W                   |
| R909                | 1-216-809-11 | METAL CHIP                               | 100    | 5%         | 1/16W                   |
| R910                | 1-216-821-11 | METAL CHIP                               | 1K     | 5%         | 1/16W                   |
| *****               |              |                                          |        |            |                         |
| A-4732-448-A        |              | WOOFER BOARD, COMPLETE (E2,E3,KR,TW,AUS) |        |            |                         |
| *****               |              |                                          |        |            |                         |
| < CAPACITOR >       |              |                                          |        |            |                         |
| C917                | 1-126-960-11 | ELECT                                    | 1uF    | 20.00% 50V | (E2,E3,KR,TW,AUS)       |
| C972                | 1-164-156-11 | CERAMIC CHIP                             | 0.1uF  | 25V        | (E2,E3,KR,TW,AUS)       |
| C973                | 1-126-926-11 | ELECT                                    | 1000uF | 20.00% 10V | (E2,E3,KR,TW,AUS)       |
| C974                | 1-126-964-11 | ELECT                                    | 10uF   | 20.00% 50V | (E2,E3,KR,TW,AUS)       |
| C985                | 1-164-156-11 | CERAMIC CHIP                             | 0.1uF  | 25V        | (E2,E3,KR,TW,AUS)       |
| C989                | 1-104-665-11 | ELECT                                    | 100uF  | 20.00% 10V | (E2,E3,KR,TW,AUS)       |
| C990                | 1-162-960-11 | CERAMIC CHIP                             | 220pF  | 10% 50V    | (E2,E3,KR,TW,AUS)       |
| < CONNECTOR >       |              |                                          |        |            |                         |
| CN981               | 1-568-826-11 | CONNECTOR, FFC 7P (E2,E3,KR,TW,AUS)      |        |            |                         |
| < IC >              |              |                                          |        |            |                         |
| IC971               | 8-759-656-83 | IC NJM4580MD- (TE2) (E2,E3,KR,TW,AUS)    |        |            |                         |
| < JACK >            |              |                                          |        |            |                         |
| J902                | 1-770-377-31 | JACK, PIN 1P (WOOFER) (E2,E3,KR,TW,AUS)  |        |            |                         |
| < JUMPER RESISTOR > |              |                                          |        |            |                         |
| JR981               | 1-216-864-11 | METAL CHIP                               | 0      | 5%         | 1/16W (E2,E3,KR,TW,AUS) |

| Ref. No.       | Part No.     | Description | Remarks                                |
|----------------|--------------|-------------|----------------------------------------|
| < TRANSISTOR > |              |             |                                        |
| Q981           | 8-729-141-73 | TRANSISTOR  | 2SC3624A-T1L15L16<br>(E2,E3,KR,TW,AUS) |
| Q982           | 8-729-141-73 | TRANSISTOR  | 2SC3624A-T1L15L16<br>(E2,E3,KR,TW,AUS) |
| Q983           | 8-729-027-23 | TRANSISTOR  | DTA114EKA-T146<br>(E2,E3,KR,TW,AUS)    |
| Q984           | 8-729-900-53 | TRANSISTOR  | DTC114EKA-T146<br>(E2,E3,KR,TW,AUS)    |
| Q985           | 8-729-027-23 | TRANSISTOR  | DTA114EKA-T146<br>(E2,E3,KR,TW,AUS)    |
| < RESISTOR >   |              |             |                                        |
| R971           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R972           | 1-216-837-11 | METAL CHIP  | 22K 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R973           | 1-216-841-11 | METAL CHIP  | 47K 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R978           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W<br>(E2,E3,KR,TW,AUS)     |
| R979           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W<br>(E2,E3,KR,TW,AUS)       |
| R980           | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R986           | 1-216-813-11 | METAL CHIP  | 220 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R987           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W<br>(E2,E3,KR,TW,AUS)       |
| R988           | 1-216-821-11 | METAL CHIP  | 1K 5% 1/16W<br>(E2,E3,KR,TW,AUS)       |
| R989           | 1-216-845-11 | METAL CHIP  | 100K 5% 1/16W<br>(E2,E3,KR,TW,AUS)     |
| R990           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R996           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R997           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R998           | 1-216-833-11 | METAL CHIP  | 10K 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |
| R999           | 1-216-809-11 | METAL CHIP  | 100 5% 1/16W<br>(E2,E3,KR,TW,AUS)      |

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

# HCD-WZ5

| Ref. No. | Part No.     | Description                                     | Remarks |
|----------|--------------|-------------------------------------------------|---------|
|          |              | MISCELLANEOUS<br>*****                          |         |
| 8        | 1-773-185-11 | WIRE (FLAT TYPE)(23CORE)                        |         |
| 52       | 1-827-178-11 | WIRE (FLAT TYPE) (5 CORE)                       |         |
| 53       | 1-827-265-11 | WIRE (FLAT TYPE)(31 CORE)                       |         |
| 54       | 1-824-905-11 | CORD (WITH CONNECTOR)                           |         |
| 55       | 1-693-603-31 | TUNER (FM/AM) (E2,E3,TW,AUS)                    |         |
| 55       | 1-693-604-11 | TUNER (FM/AM) (AEP,UK)                          |         |
| 55       | 1-693-605-11 | TUNER (FM/AM) (KR)                              |         |
| 56       | 1-769-938-11 | WIRE (FLAT TYPE) (11 CORE)<br>(E2,E3,KR,TW,AUS) |         |
| 56       | 1-773-002-11 | WIRE (FLAT TYPE) (15 CORE) (AEP,UK)             |         |
| 57       | 1-769-882-11 | WIRE (FLAT TYPE) (7 CORE) (E2,E3,AUS)           |         |
| 59       | 1-824-906-11 | CORD (WITH CONNECTOR)                           |         |
| 63       | 1-500-051-11 | BEAD, FERRITE (WITH CASE)(KR,TW,AUS)            |         |
| 116      | 1-782-817-11 | WIRE (FLAT TYPE) (16 CORE)                      |         |
| △604     | 8-820-020-02 | OPTICAL PICK-UP (KSS-213D/Q-RP)                 |         |
| LCD201   | 1-805-136-11 | DISPLAY PANEL, LIQUID CRYSTAL                   |         |
| M102     | X-2625-769-1 | GEAR ASSY (MB) (RP), MOTOR (SLED)               |         |

MEMO

QQ 376315150

892498299

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513 QQ 376315150 892498299

TEL 13942296513

QQ 376315150 892498299

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## REVISION HISTORY

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

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