

ZS-RS70BT/RS70BTB

SERVICE MANUAL

Ver. 1.0 2013.08

AEP Model

UK Model

ZS-RS70BTB

E Model

ZS-RS70BT



Photo: ZS-RS70BT

Model Name Using Similar Optical Pick-up Block	NEW
Optical Pick-up Block Name	EM101 RNSZS

SPECIFICATIONS

CD player section

System

Compact disc digital audio system

Laser diode properties

Emission duration: Continuous

Laser output: Less than 44.6 μ W

(This output is the value measurement at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Number of channels

2

Frequency response

20 Hz — 20,000 Hz +1/-2 dB

Wow and flutter

Below measurable limit

Bluetooth section

Communication System

Bluetooth Specification Version 3.0

Output

Bluetooth Specification Power Class 2

Maximum communication range

Line of sight approx. 10 m^{*1}

Frequency band

2.4 GHz band (2.4000 GHz — 2.4835 GHz)

Modulation method

FHSS

Supported Bluetooth Profiles^{*2}

A2DP (Advanced Audio Distribution Profile)

AVRCP^{*3} (Audio/Video Remote Control Profile)

Supported codec^{*4}

SBC (Subband Codec)

^{*1} The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, aerial performance, operating system, application software, etc.

^{*2} Blue tooth standard profiles provide the specifications for Bluetooth communication between devices.

^{*3} Some operations may not be available depending on the device.

^{*4} Codec: Audio signal compression and conversion format

Radio section (RS70BT)

Frequency range

Uruguay, Paraguay, Peru, Chile and Bolivia models

FM: 87.5 MHz — 108 MHz (100 kHz step)

87.5 MHz — 108 MHz (50 kHz step)

AM: 530 kHz — 1,610 kHz (10 kHz step)

531 kHz — 1,602 kHz (9 kHz step)

Latin American models except for Uruguay, Paraguay, Peru, Chile, Bolivia and Brazil models

FM: 87.5 MHz — 108 MHz (100 kHz step)

AM: 530 kHz — 1,710 kHz (10 kHz step)

Intermediate frequency

FM: 128 kHz

AM: 45 kHz

Antennas

FM: Telescopic antenna

AM: Built-in ferrite bar antenna

Radio section (RS70BTB)

Frequency range

DAB (Band-III): 174.928 MHz — 239.200 MHz

FM: 87.5 MHz — 108 MHz (50 kHz step)

Intermediate frequency

DAB (Band-III): 2.048 MHz

FM: 2.198 MHz

DAB (Band-III) frequency table (MHz)

Channel	Frequency	Channel	Frequency
5A	174.928	10N	210.096
5B	176.640	10B	211.648
5C	178.352	10C	213.360
5D	180.064	10D	215.072
6A	181.936	11A	216.928
6B	183.648	11N	217.088
6C	185.360	11B	218.640
6D	187.072	11C	220.352
7A	188.928	11D	222.064
7B	190.640	12A	223.936
7C	192.352	12N	224.096
7D	194.064	12B	225.648
8A	195.936	12C	227.360
8B	197.648	12D	229.072
8C	199.360	13A	230.784
8D	201.072	13B	232.496
9A	202.928	13C	234.208
9B	204.640	13D	235.776
9C	206.352	13E	237.488
9D	208.064	13F	239.200
10A	209.936		

Antenna

Telescopic antenna

Input

AUDIO IN

Stereo mini jack

⏏ (USB) port

Type A, maximum current 500 mA, USB 2.0 Full

Speed compatible

Output

⏏ (headphones) stereo mini jack

For 16 Ω — 32 Ω impedance headphones

Supported audio formats

Supported bit rates

MP3 (MPEG 1 Audio Layer-3):

32 kbps — 320 kbps, VBR

WMA:

48 kbps — 192 kbps, VBR

Sampling frequencies

MP3 (MPEG 1 Audio Layer-3):

32/44.1/48 kHz

WMA:

32/44.1/48 kHz

General (RS70BT)

Speaker

Full range, 8 cm dia., 3.2 Ω , cone type (2)

Power output

2.3 W + 2.3 W (at 3.2 Ω , 10% harmonic

distortion)

Power requirements

Uruguay, Paraguay, Peru, Chile and

Bolivia models

230 V AC, 50 Hz (AC power supply)

9 V DC (6 R14 (size C) batteries)

Latin American models except for Uruguay,

Paraguay, Peru, Chile, Bolivia and Brazil models

120 V AC, 60 Hz (AC power supply)

9 V DC (6 R14 (size C) batteries)

Power consumption

AC 16 W

Battery Life^{*1, *2}

Playback of CD

Approx. 7.5 hours

Playback of USB device

Approx. 7 hours (at 100 mA load)

Approx. 3.5 hours (at 500 mA load)

FM reception

Approx. 19 hours

Bluetooth

Approx. 10 hours

^{*1} Measured by Sony standards. The actual battery life may vary depending on the circumstances of the unit or operating conditions.

^{*2} When using Sony alkaline batteries

Dimensions

Approx. 380 mm $\times$ 158 mm $\times$ 235 mm (W/H/D)

(incl. projecting parts)

Mass

Approx. 3.3 kg (incl. batteries)

General (RS70BTB)

Speaker

Full range, 8 cm dia., 3.2 Ω , cone type (2)

Power output

2.3 W + 2.3 W (at 3.2 Ω , 10% harmonic

distortion)

Power requirements

230 V AC, 50 Hz (AC power supply)

9 V DC (6 R14 (size C) batteries)

Power consumption

AC 16 W

Battery Life^{*1, *2}

Playback of CD

Approx. 7.5 hours

Playback of USB device

Approx. 7 hours (at 100 mA load)

Approx. 3.5 hours (at 500 mA load)

DAB reception

Approx. 9 hours

FM reception

Approx. 9 hours

Bluetooth

Approx. 10 hours

^{*1} Measured by Sony standards. The actual battery life may vary depending on the circumstances of the unit or operating conditions.

^{*2} When using Sony alkaline batteries

Dimensions

Approx. 380 mm $\times$ 158 mm $\times$ 235 mm (W/H/D)

(incl. projecting parts)

Mass

Approx. 3.3 kg (incl. batteries)

Supplied accessories

AC power cord (1)

Protecting sheet (1)

Design and specifications are subject to change without notice.

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2013H33-1

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PERSONAL AUDIO SYSTEM

SONY®

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- Android is a trademark of Google Inc.
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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.

CAUTION

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

SAFETY-RELATED COMPONENT WARNING!

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

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Accessories are given in the last of the electrical parts list.

SECTION 1 SERVICING NOTES

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

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

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.

NOTE OF REPLACING THE IC801 ON THE MAIN BOARD

IC801 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

TEST DISCS

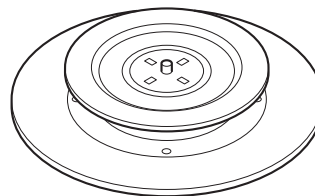
Use following TEST DISC (for CD) when this unit confirms the operation and checks it.

Part No.	Description
3-702-101-01	DISC (YEDS-18), TEST
4-225-203-01	DISC (PATD-012), TEST

CHUCK PLATE JIG ON REPAIRING

On repairing CD section, playing a disc without the CD lid, use CHUCK PLATE JIG.

Part No.	Description
X-4918-255-1	CHUCK PLATE JIG



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

During normal operation of the equipment, emission of the laser diode is prohibited unless the upper lid is closed while turning on the S801 (push switch type).

The following checking method for the laser diode is operable.

• Method

Emission of the laser diode is visually checked.

1. Open the CD lid.
2. Press the [POWER] (Except AEP and UK models)/[OPER-ATE] (AEP and UK models) button to turn the power on.
3. Press the [CD] button to select CD function.
4. Push the S801 as shown in Fig.1.

Note: Do not push the detection lever strongly, or it may be bent or damaged.

5. Check the object lens for confirming normal emission of the laser diode. If not emitting, there is a trouble in the automatic power control circuit or the optical pickup.
- In this operation, the object lens will move up and down 2 times along with inward motion for the focus search.

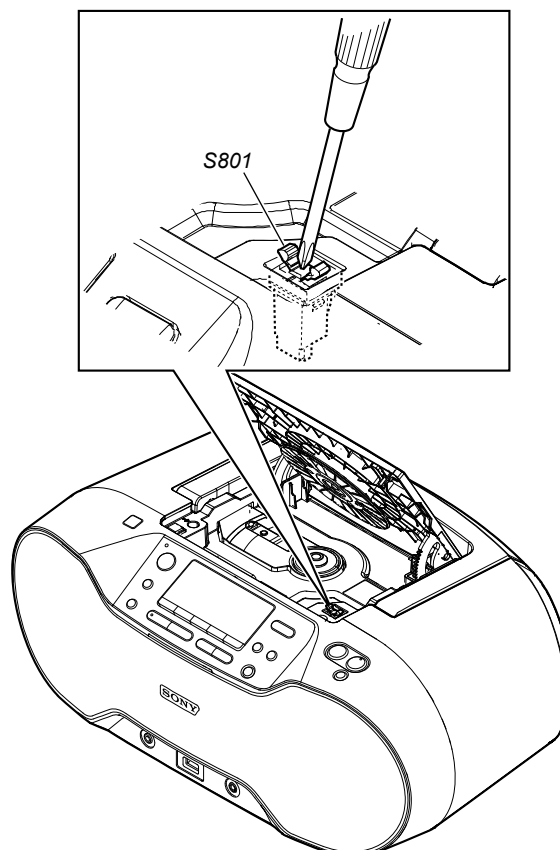
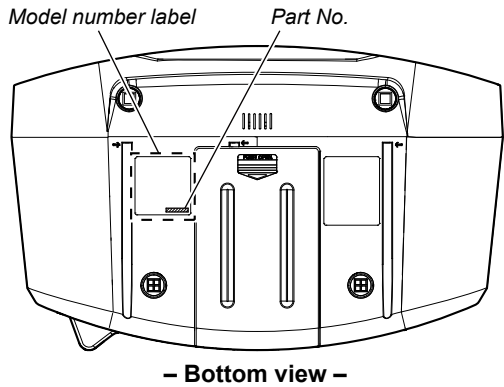


Fig. 1. Method to push the S801

MODEL IDENTIFICATION

Distinguish the destination by referring to the model number label.



Model	Part No.
RS70BT: MX model	4-470-553-0□
RS70BTB: AEP and UK models	4-470-560-0□
RS70BT: E41 model	4-474-744-0□
RS70BT: E92 model	No Label

- Abbreviation
 - E41: Bolivian, Chilean, Paraguayan, Peruvian and Uruguayan models
 - E92: Venezuelan, Panamanian, Honduran, Guatemalan, Colombian, Costa Ri-ca, Dominican, Ecuadorean and El Salvador models
 - MX: Mexican model

NOTE OF REPLACING THE Bluetooth MODULE OR RC-S711 (NFC)

The Bluetooth module or the RC-S711 (NFC) cannot exchange with single. Exchange at the same time the Bluetooth module and the RC-S711 (NFC). And, when the Bluetooth module and the RC-S711 (NFC) are exchanged, it is necessary to check that pairing is performed normally. Please perform checking of operations in the following procedure. Note: Please be sure to initialize the pairing information after checking pairing.

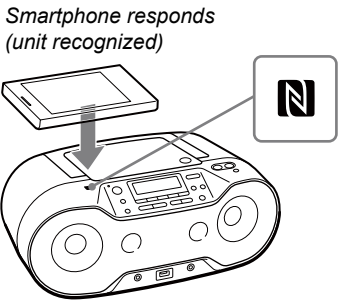
Necessary machinery and material

- NFC-compatible smartphone
- If the smartphone OS is Android 2.3.3 or later, but earlier than Android 4.1, download and install the app “NFC Easy Connect” on the smartphone.

Connecting method

Procedure:

- Turn on the NFC function of the smartphone.
- If the smartphone OS is Android 2.3.3 or later, but earlier than Android 4.1, start the app “NFC Easy Connect” on the smartphone.
- Press the [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models) button to turn the power on.
- Press the [PAIRING BLUETOOTH] button to select Bluetooth function.
- Touch the N mark of unit with the smartphone.



- When the Bluetooth connection is complete, the message “BT AUDIO” appears.



- Start music playback on the smartphone, then adjust the volume, and checks that sound is outputted from the unit.

Bluetooth information initializing method

Procedure:

- Press the [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models) button to turn the power on.
- Press the [PAIRING BLUETOOTH] button to select Bluetooth function.
- Press and hold (about 2seconds) the [ERASE] button.
- The message “BT RESET” appears on the liquid crystal display.



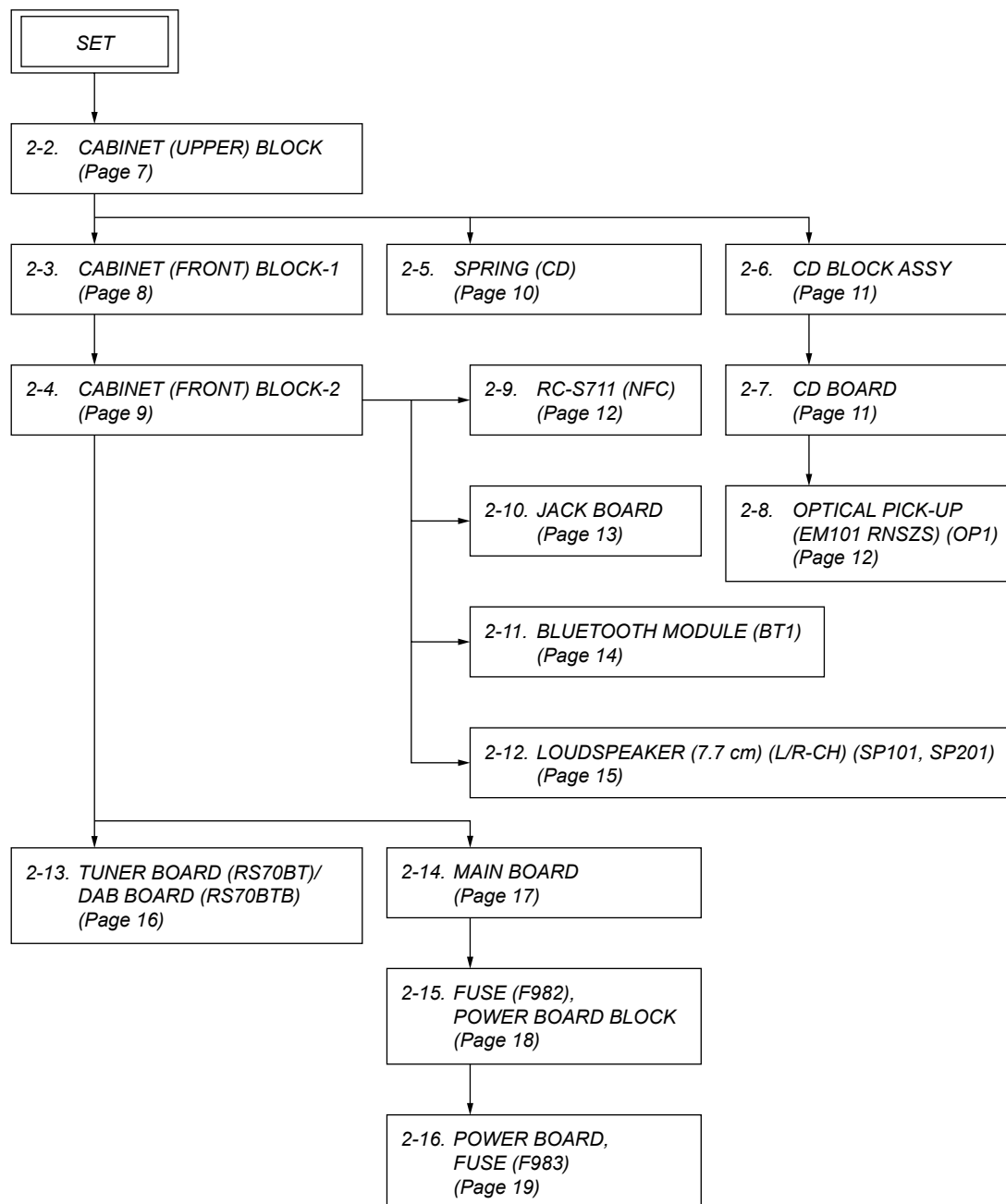
- Press the [ENTER] button, and the message “BT RESET” is blink.
- The message “COMPLETE” appears and initialization is performed, and release from this mode.



SECTION 2 DISASSEMBLY

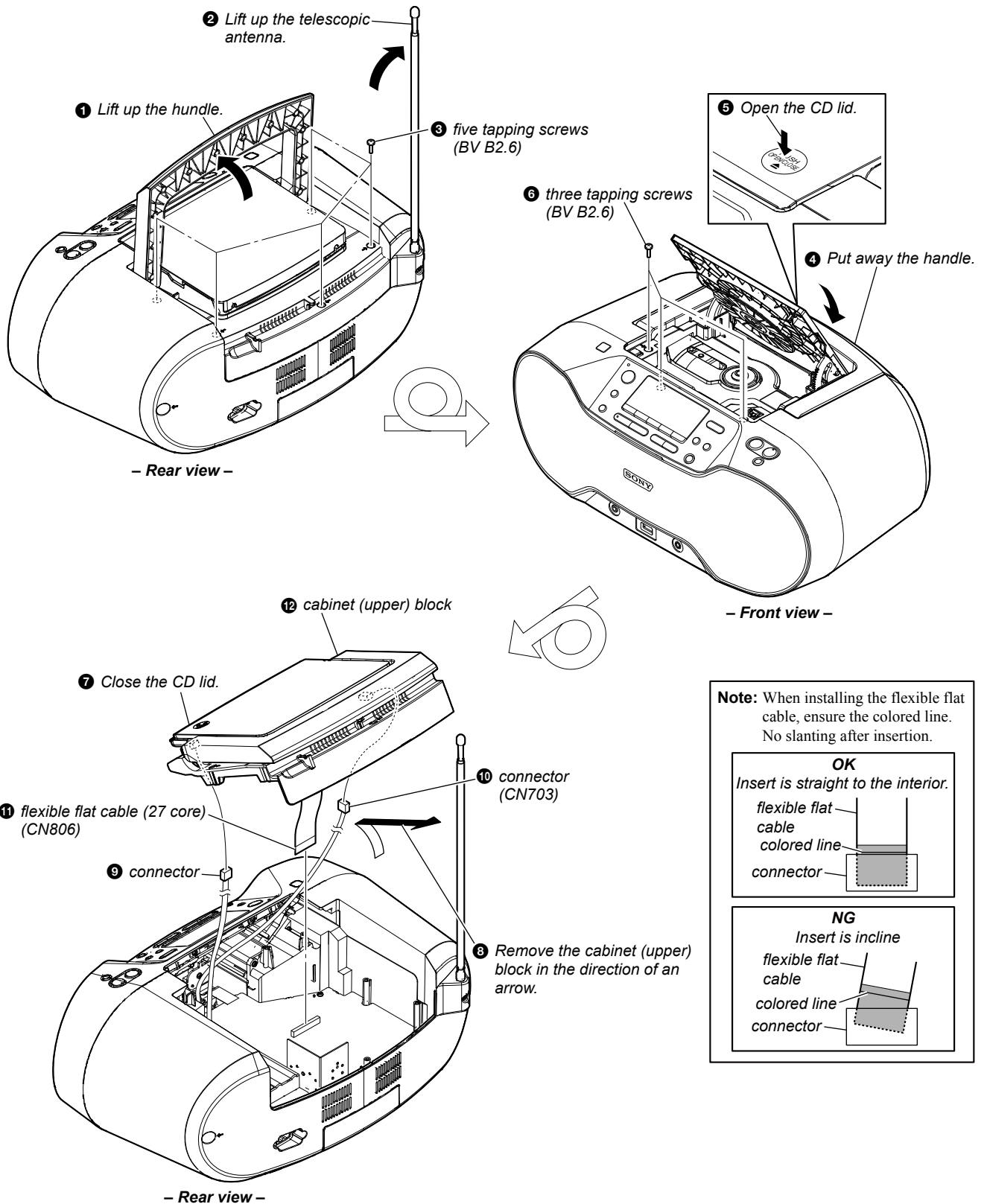
- This set can be disassembled in the order shown below.

2-1. DISASSEMBLY FLOW

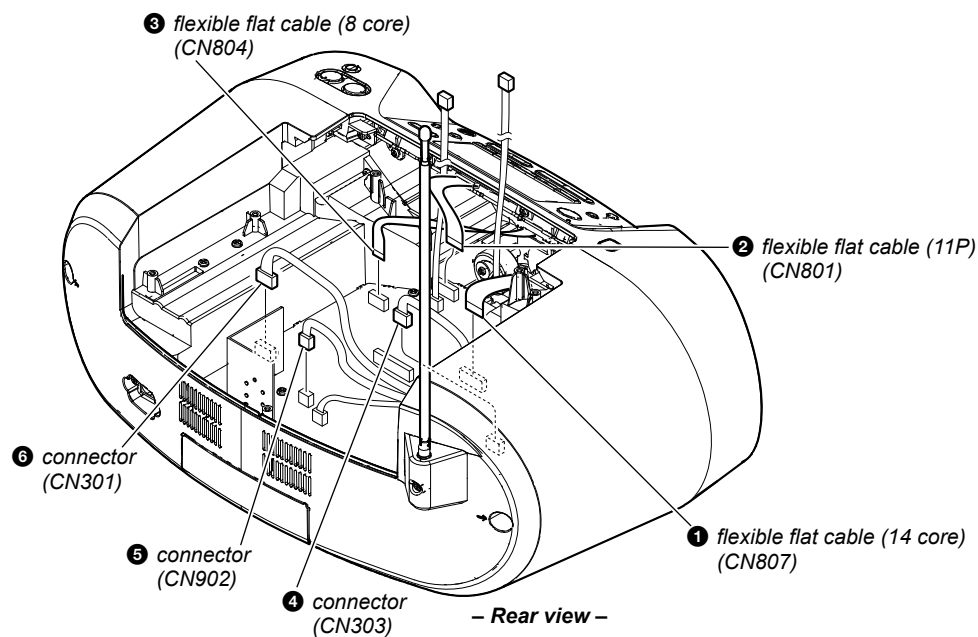


Note: Follow the disassembly procedure in the numerical order given.

2-2. CABINET (UPPER) BLOCK

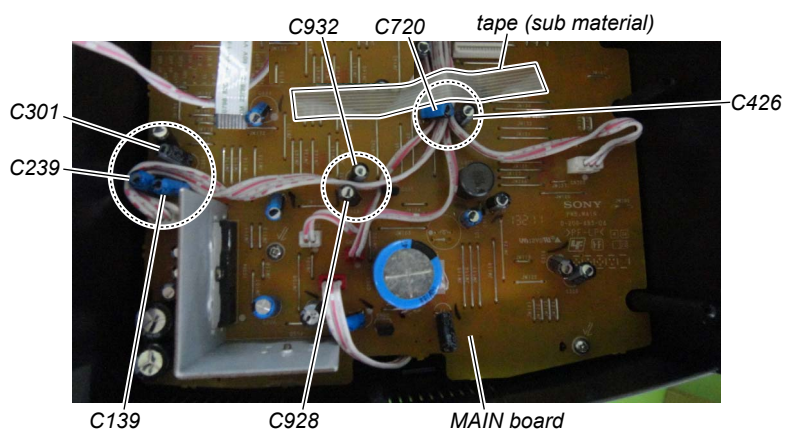
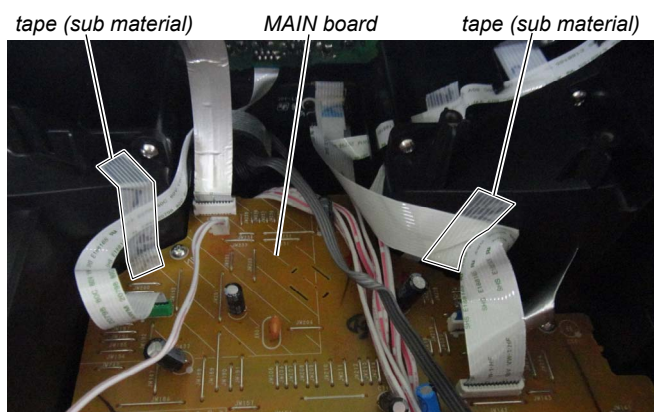


2-3. CABINET (FRONT) BLOCK-1

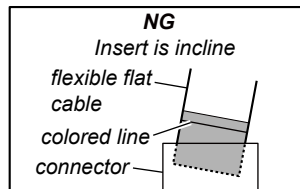
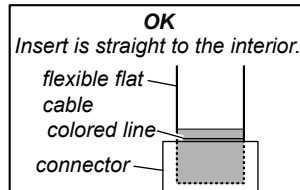


• Wire setting

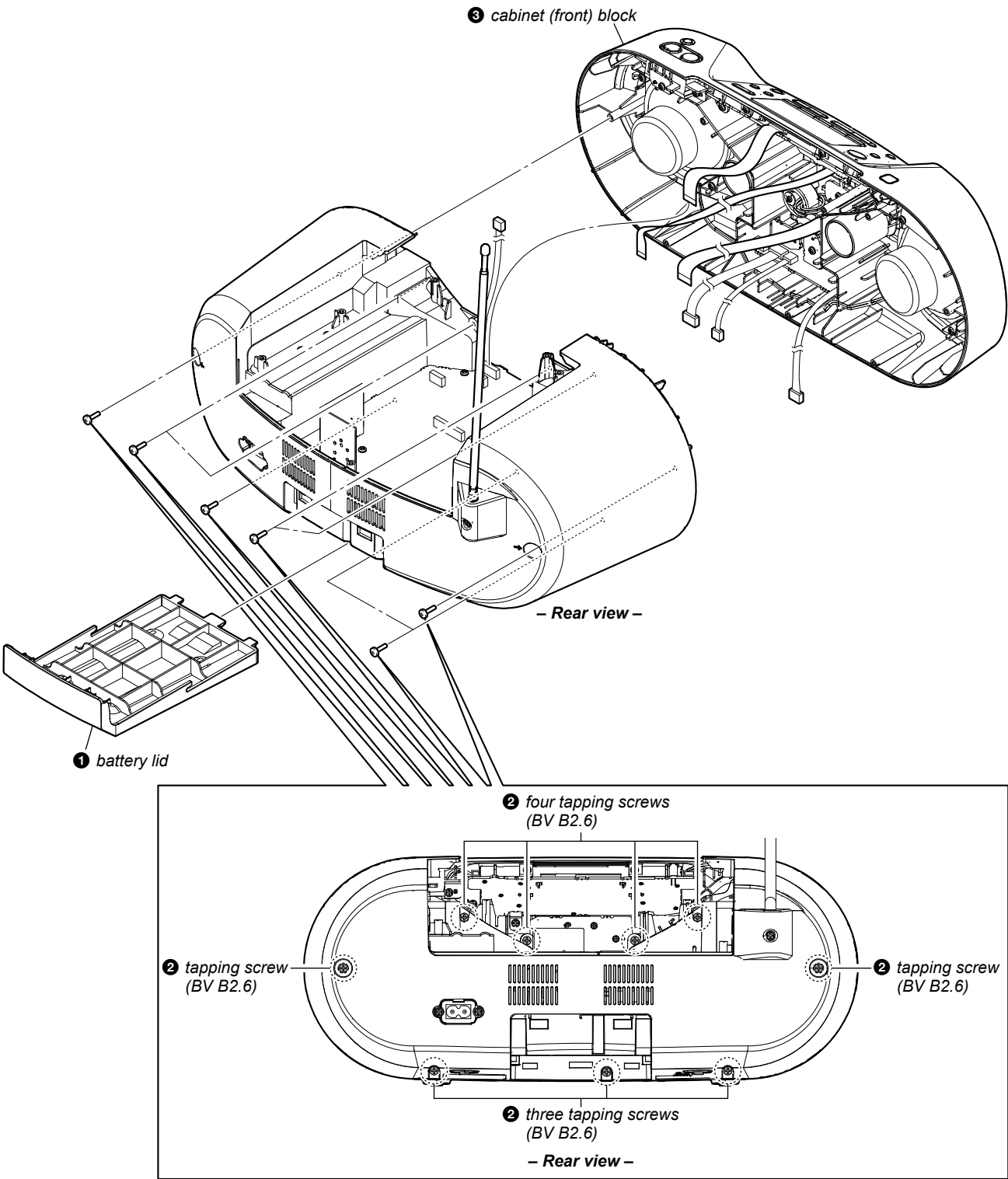
– Top view –



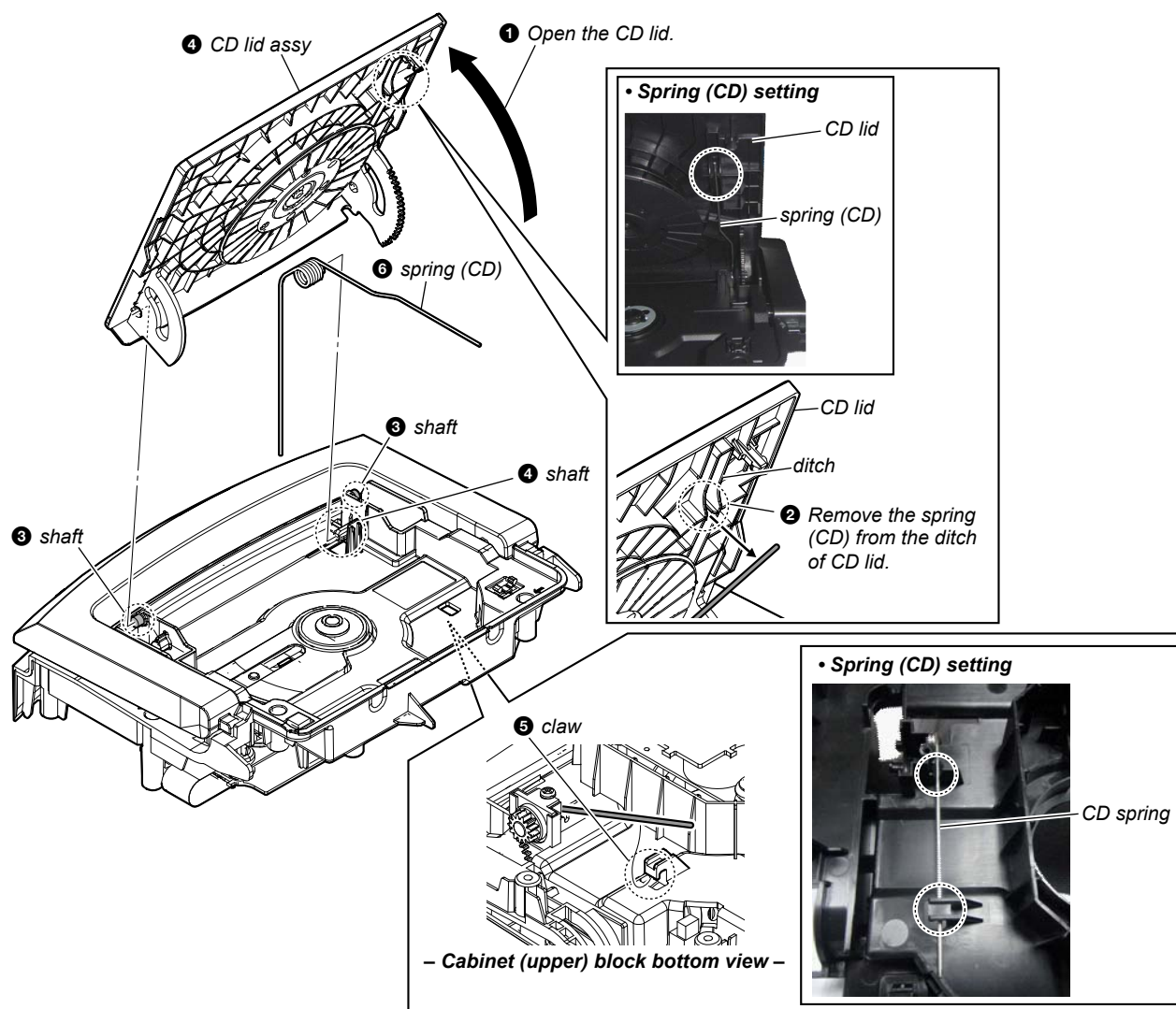
Note: When installing the flexible flat cable, ensure the colored line. No slanting after insertion.



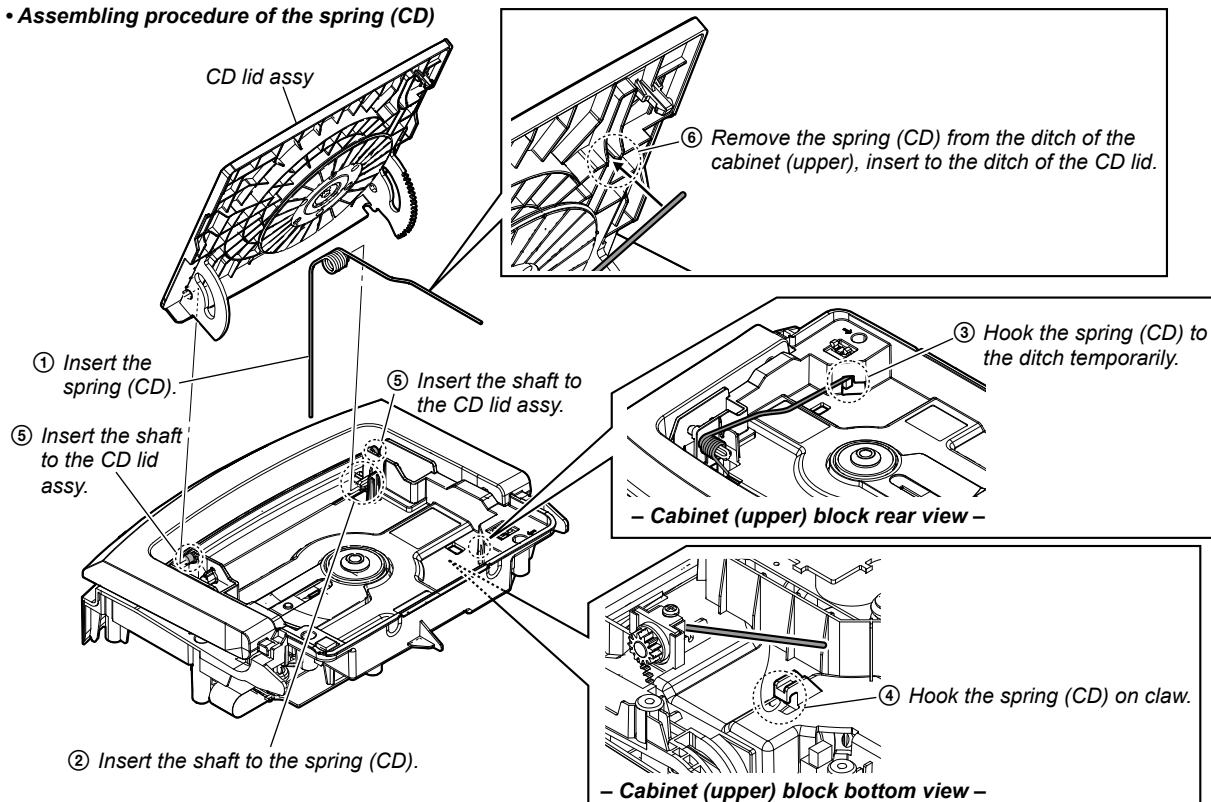
2-4. CABINET (FRONT) BLOCK-2



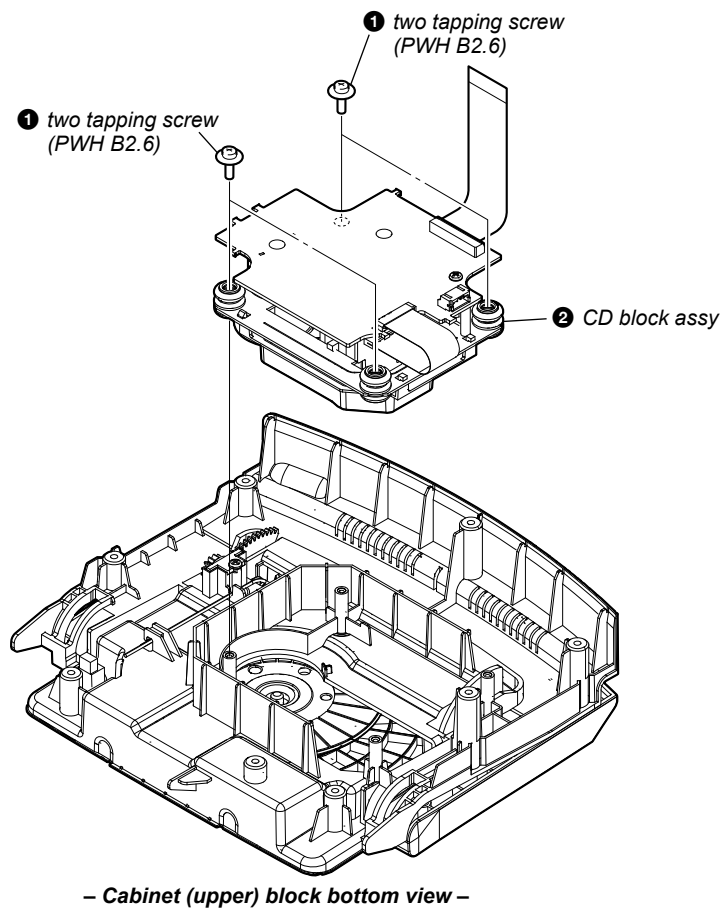
2-5. SPRING (CD)



• Assembling procedure of the spring (CD)

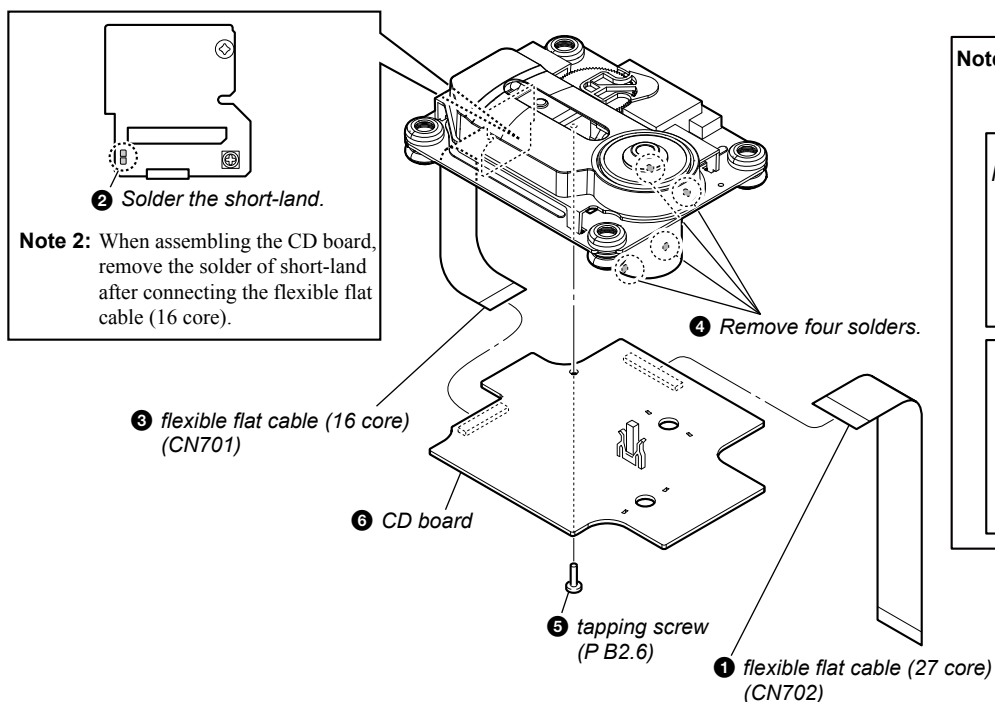


2-6. CD BLOCK ASSY

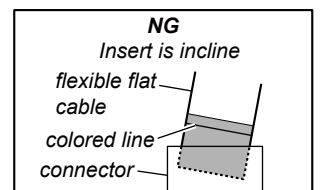
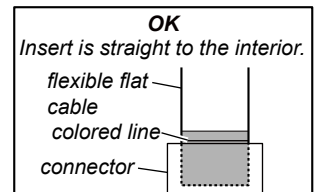


2-7. CD BOARD

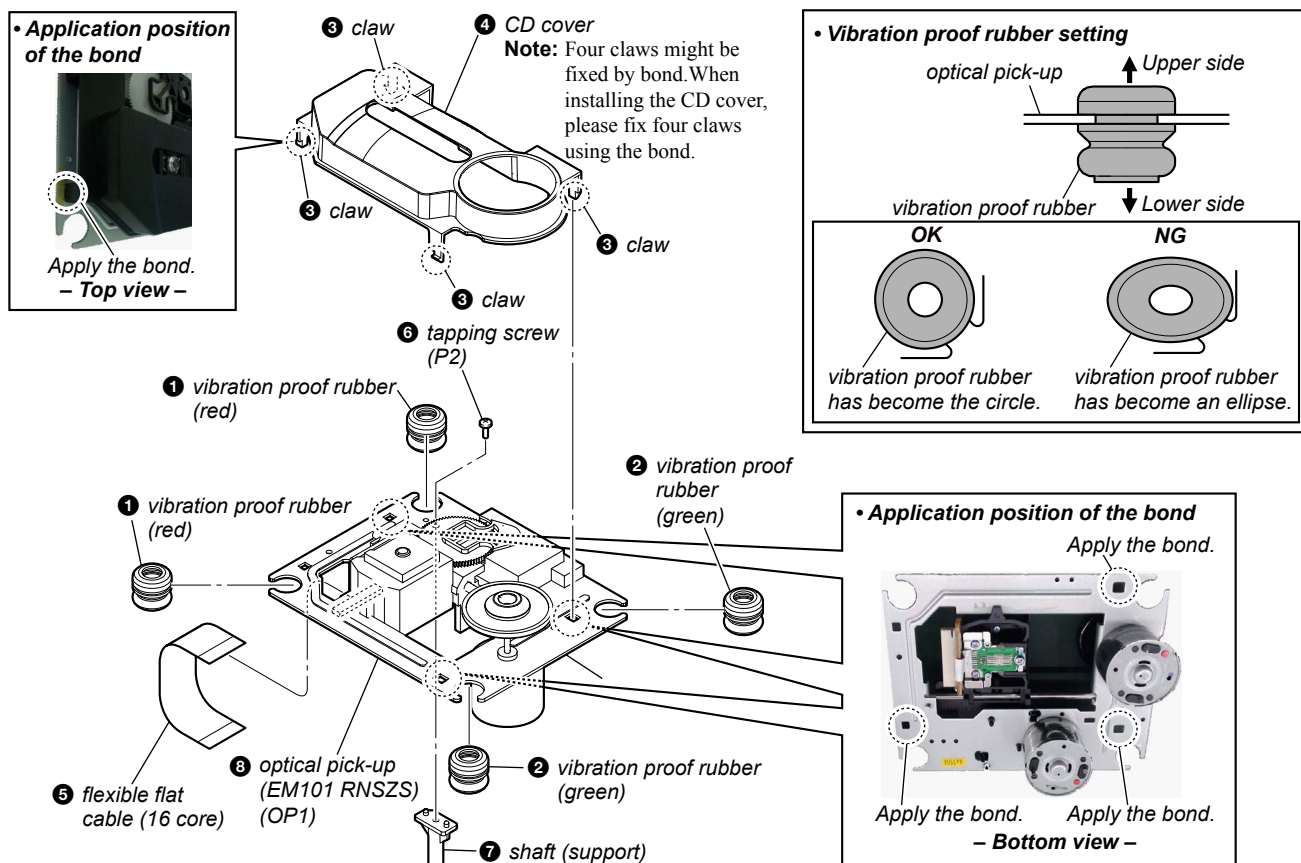
Note 1: Before disconnecting the flexible flat cable (16 core) of optical pick-up block, solder the short-land.



Note 3: When installing the flexible flat cable, ensure the colored line. No slanting after insertion.

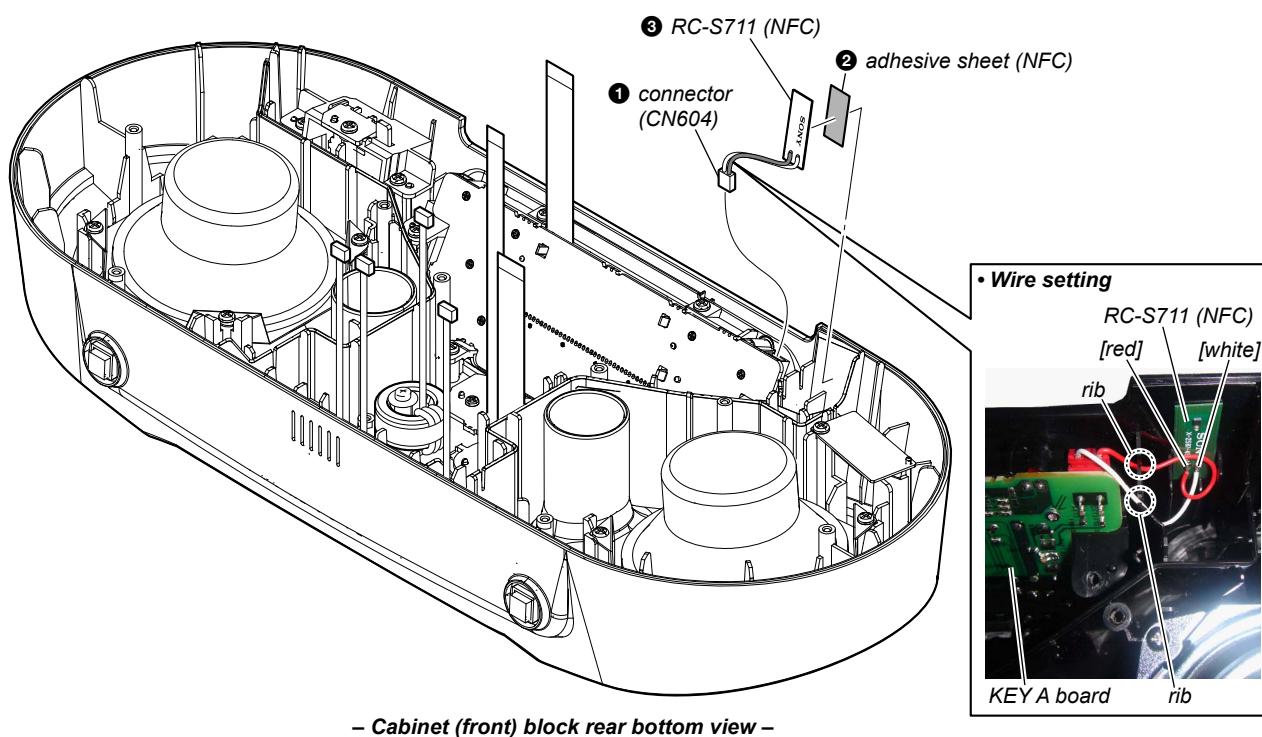


2-8. OPTICAL PICK-UP (EM101 RNSZS) (OP1)

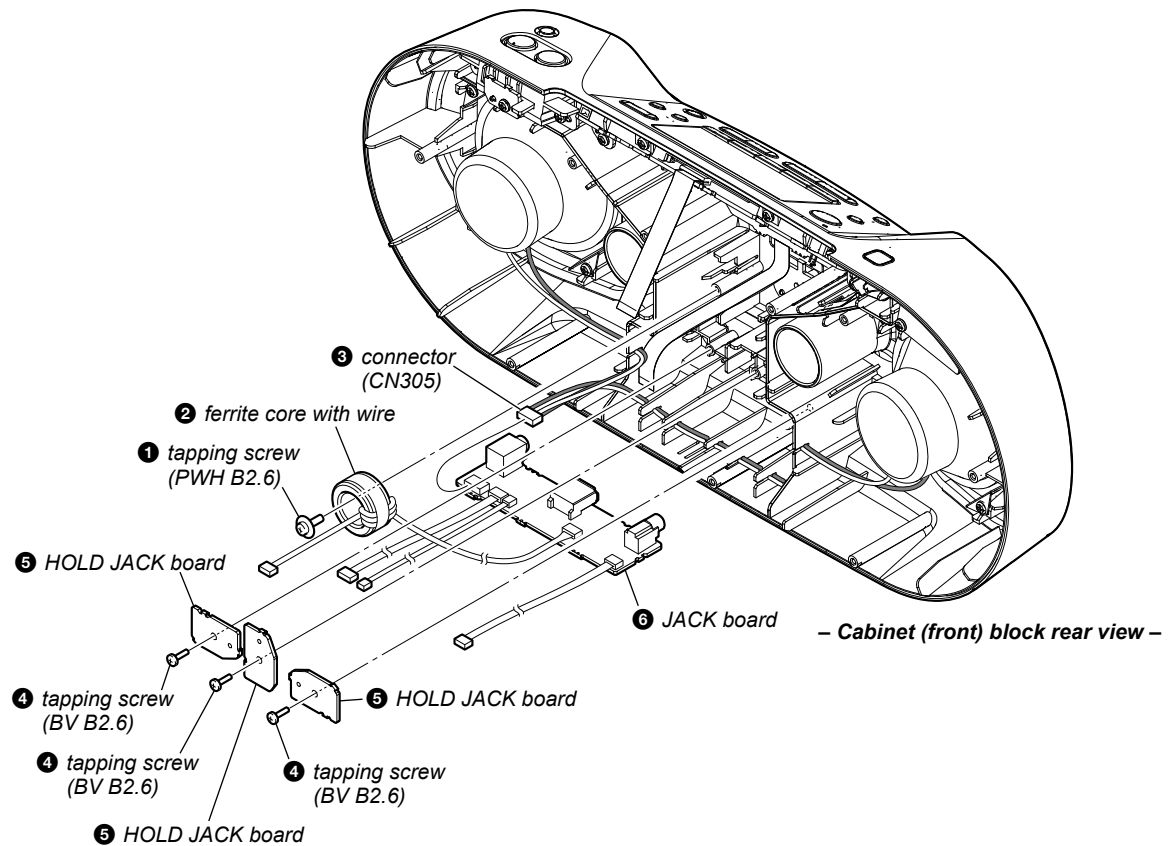


2-9. RC-S711 (NFC)

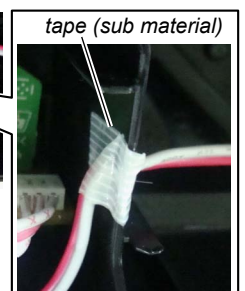
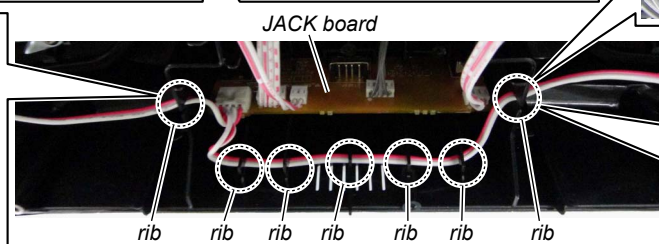
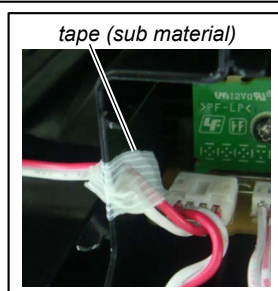
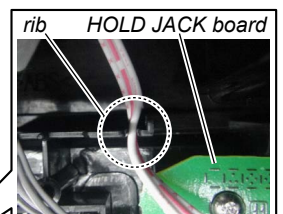
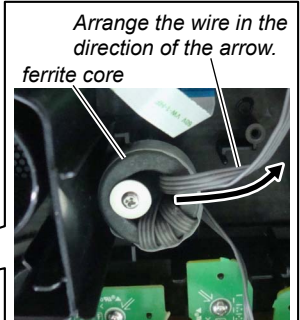
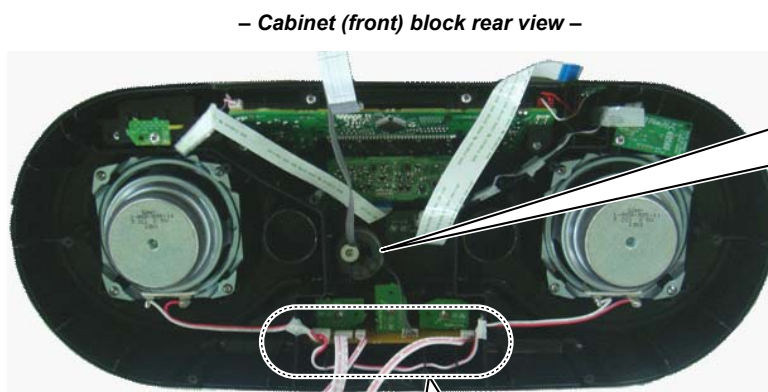
Note: When RC-S711 (NFC) is replaced, refer to “NOTE OF REPLACING THE Bluetooth MODULE OR RC-S711 (NFC)” on page 5.



2-10. JACK BOARD



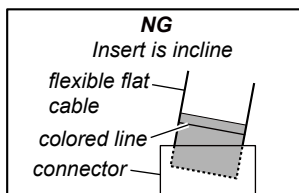
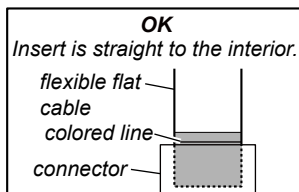
• Wire setting



2-11. BLUETOOTH MODULE (BT1)

Note 1: When Bluetooth module is replaced, refer to “NOTE OF REPLACING THE Bluetooth MODULE OR RC-S711 (NFC)” on page 5.

Note 2: When installing the flexible flat cable, ensure the colored line. No slanting after insertion.



③ Remove the SOFT board block in the direction of an arrow.

⑤ SOFT board block

② tapping screw (P B2.6)

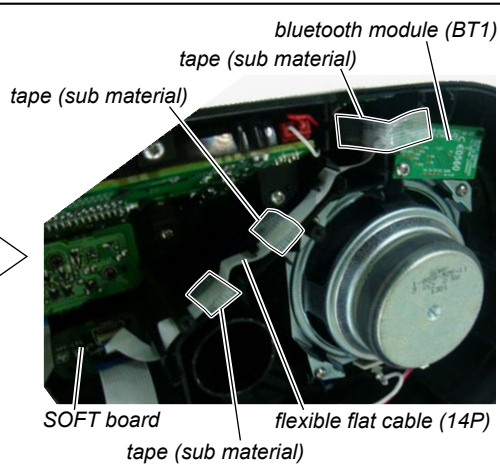
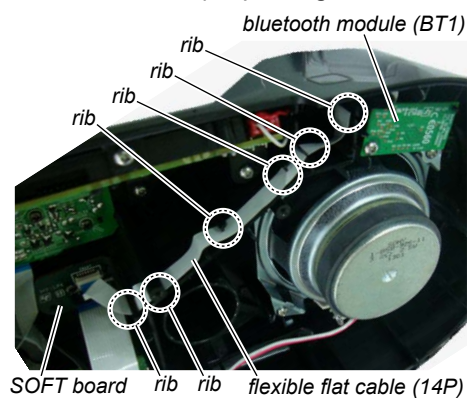
① tapping screw (BV B2.6)

④ flexible flat cable (14P)

⑥ bluetooth module (BT1)

– Cabinet (front) block rear view –

• Flexible flat cable (14P) setting



2-12. LOUDSPEAKER (7.7 cm) (L/R-CH) (SP101, SP201)

• Loudspeaker (7.7 cm) (R-ch) (SP201) setting

Install the loudspeaker (7.7 cm) (R-ch) (SP201) in inside two ribs.



② three tapping screws (BV B2.6)

③ loudspeaker (7.7 cm) (R-ch) (SP201)

① Remove solder from the "–" terminal. [white]

① Remove solder from the "+" terminal. [red]

② tapping screw (BV B2.6)

② three tapping screws (BV B2.6)

① Remove solder from the "–" terminal. [white]

① Remove solder from the "+" terminal. [red]

② tapping screw (BV B2.6)

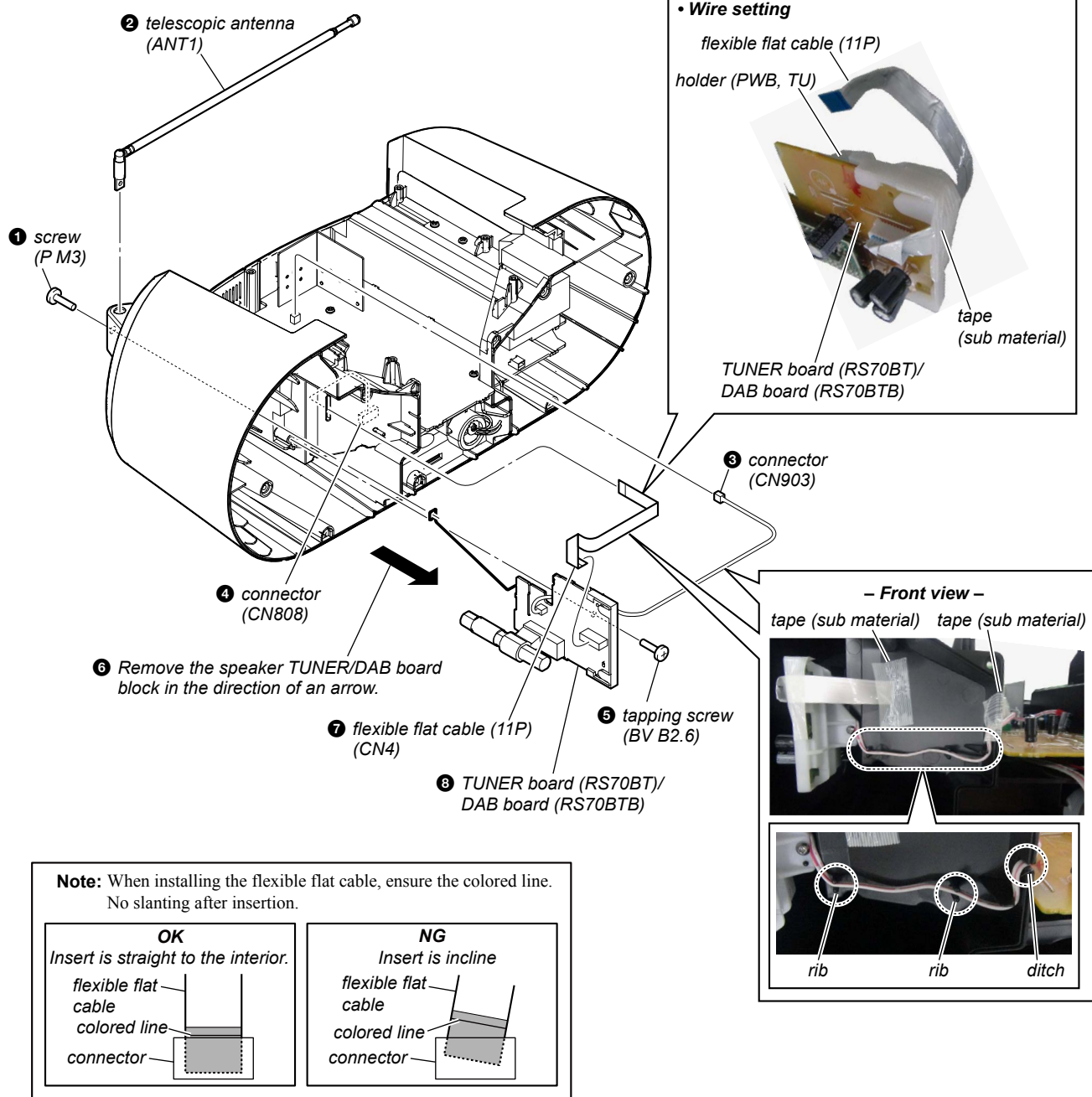
– Cabinet (front) block rear view –

• Loudspeaker (7.7 cm) (L-ch) (SP101) setting

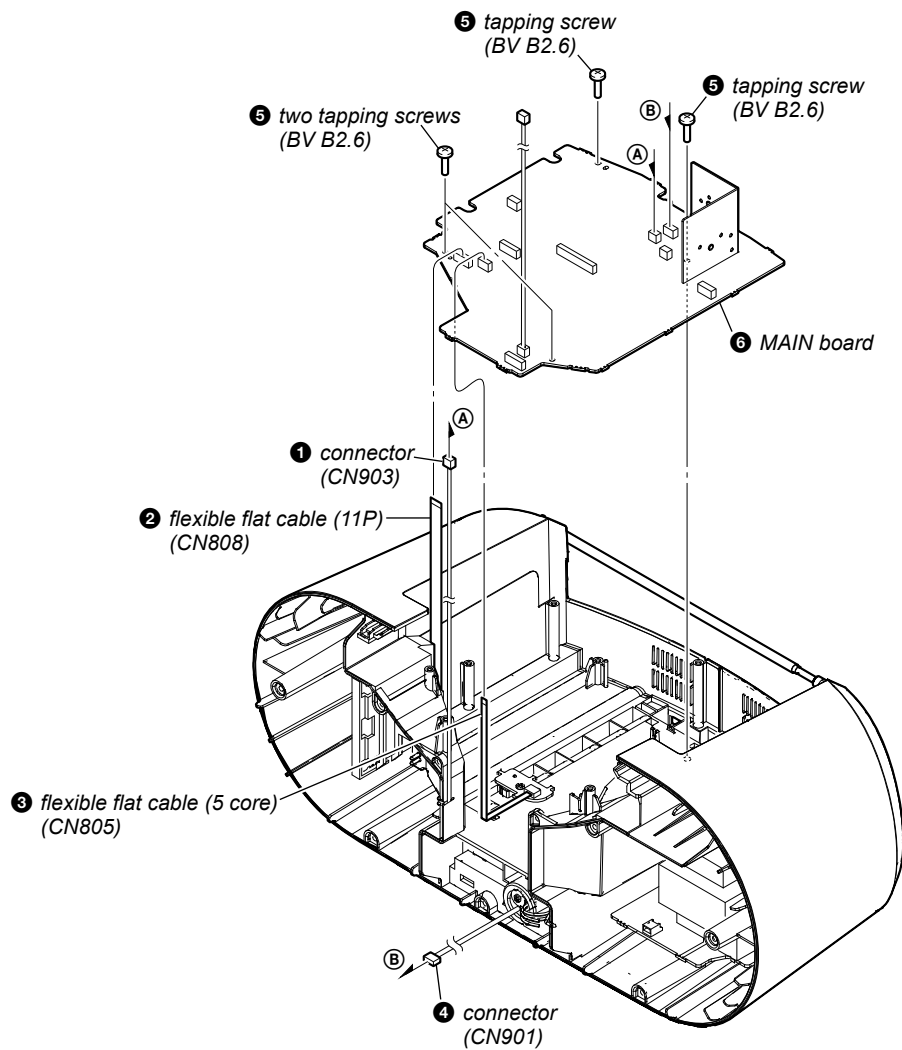
Install the loudspeaker (7.7 cm) (L-ch) (SP101) in inside two ribs.



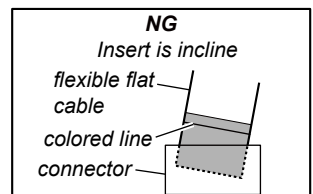
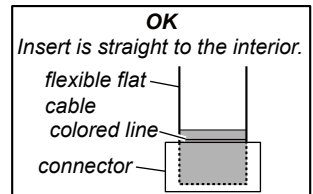
2-13. TUNER BOARD (RS70BT)/DAB BOARD (RS70BTB)



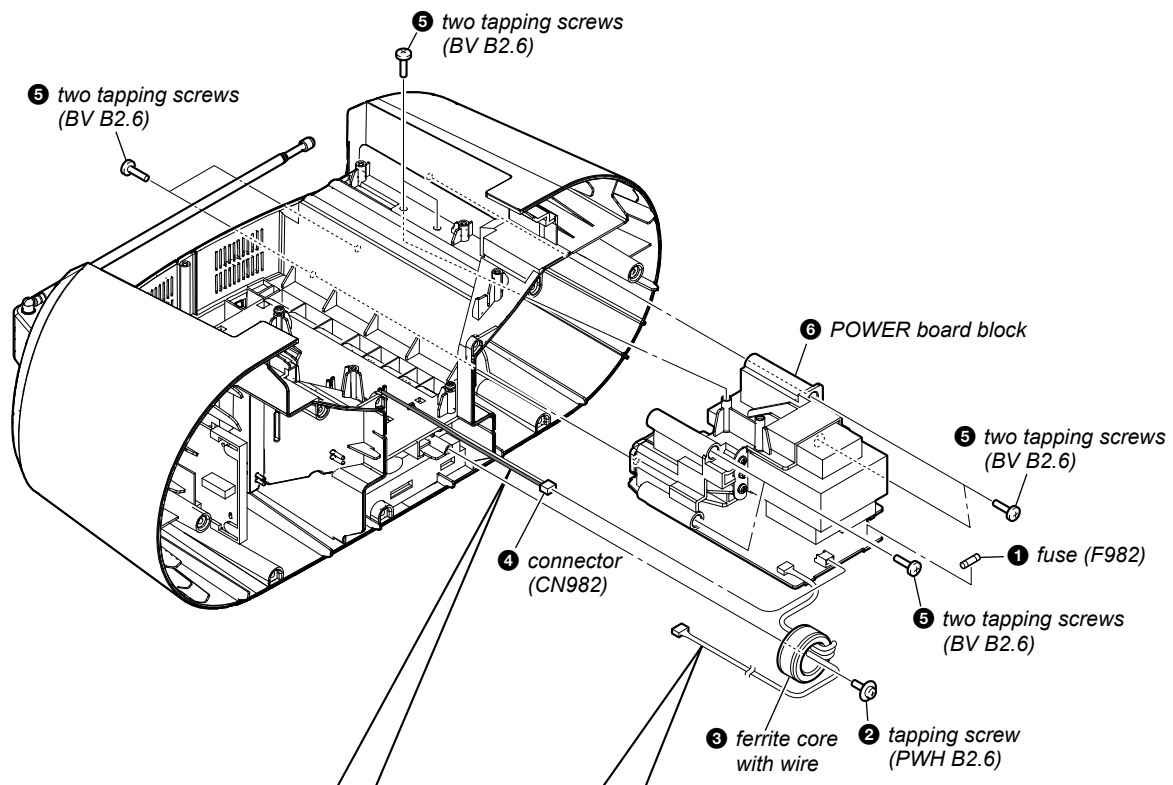
2-14. MAIN BOARD



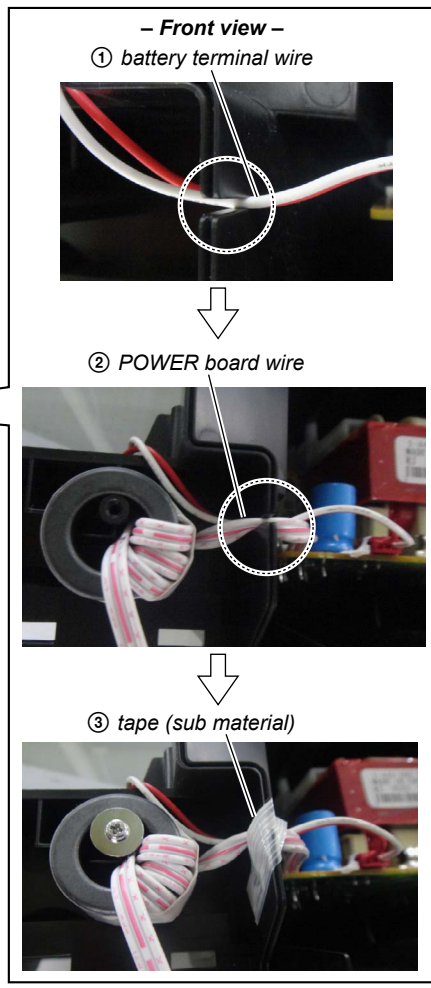
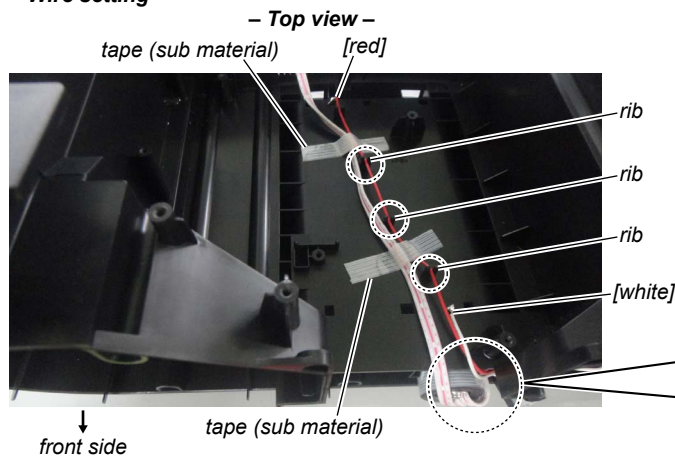
Note: When installing the flexible flat cable, ensure the colored line. No slanting after insertion.

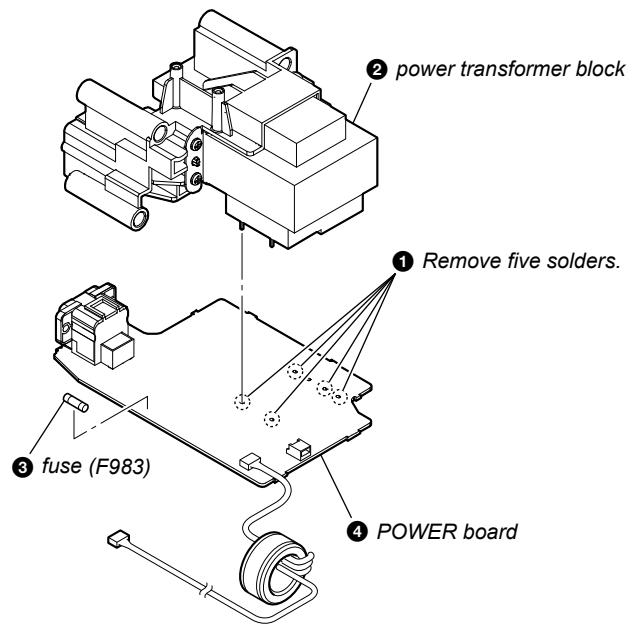


2-15. FUSE (F982), POWER BOARD BLOCK



• Wire setting



2-16. POWER BOARD, FUSE (F983)

SECTION 3 TEST MODE

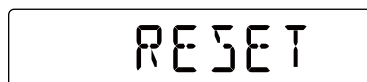
COLD RESET

System μ -com is reset and EEPROM is cleared.

Note: The informations of Bluetooth and DAB are not initialized.

Procedure:

1. Press the [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models) button to turn the power on.
2. Press three buttons of [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models), [ERASE] and [■] simultaneously.
3. The message “RESET” appears on the liquid crystal display, the set enters standby status.



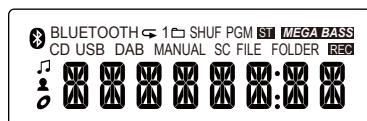
PANEL TEST

It can perform all segments on the liquid crystal display light-up, firmware version display and destination display.

Enter the panel test mode

Procedure:

1. Press the [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models) button to turn the power on.
2. Press three buttons of [AUDIO IN], [⏮/TUNE +] and [MODE] simultaneously.
3. When the panel test mode is activated, segments of the liquid crystal display are all turned on.



Version, model and destination check

Procedure:

1. In the panel test mode (segments of the liquid crystal display are all turned on), press the [CD] button, and the system version is displayed.

(Displayed value in the following figure is example)



2. Press the [MEMORY SELECT USB] button, and the USB host version is displayed.

(Displayed values in the following figure is example)



3. Press the [SCAN RADIO DAB/FM] button, and the DAB module firmware is displayed. (AEP and UK models only)

(Displayed values in the following figure is example)



4. Press the [PAIRING BLUETOOTH] button, and the Bluetooth module firmware version is displayed.
(Displayed values in the following figure is example)



5. Press the [AUDIO IN] button, and the model and destination are displayed.

Destination	Display
AEP and UK models	04 CE
E41 model	04 AR E4
E92 and Mexican models	04 MX E9

- Abbreviation
E41: Bolivian, Chilean, Paraguayan, Peruvian and Uruguayan models
E92: Venezuelan, Panamanian, Honduran, Guatemalan, Colombian, Costa Ri-ca, Dominican, Ecuadorean and El Salvador models

Releasing method:

Press three buttons of [AUDIO IN], [⏮/TUNE +] and [MODE] simultaneously.

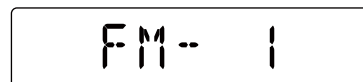
FM TUNER STEP CHANGE

(Bolivian, Chilean, Paraguayan, Peruvian and Uruguayan models only)

The FM tuning interval can be changed over 50 kHz or 100 kHz.

Procedure:

1. Press the [POWER] button to turn the power on.
2. Press the [AUTO PRESET RADIO FM/AM] button to select FM radio function.
3. Press the [MANUAL PRESET ►] button, change to the display of “FM- 1”.



4. Press and hold (about 2 seconds) the [AUTO PRESET RADIO FM/AM] button, the message “FM 50K” or “FM 100K” appears on the liquid crystal display (The step at the present setting is displayed).



or



5. Press the [PRESET ◀◀] or [PRESET + ▶▶] buttons, select to the “FM 50K” or “FM 100K”.
6. Press the [ENTER] button, it is changed into selected setting. Press other than [ENTER] button, will cancel this mode.

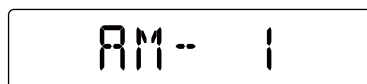
AM TUNER STEP CHANGE

(Bolivian, Chilean, Paraguayan, Peruvian and Uruguay-an models only)

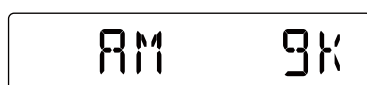
The AM tuning interval can be changed over 9 kHz or 10 kHz.

Procedure:

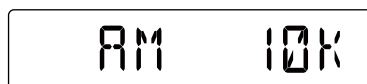
1. Press the [POWER] button to turn the power on.
2. Press the [➔ AUTO PRESET RADIO FM/AM] button to select AM radio function.
3. Press the [MANUAL PRESET ▶▶] button, change to the display of "AM- 1".



4. Press and hold (about 2 seconds) the [➔ AUTO PRESET RADIO FM/AM] button, the message "AM 9K" or "AM 10K" appears on the liquid crystal display (The step at the present setting is displayed).



or



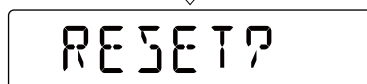
5. Press the [← PRESET ◀◀] or [PRESET + ▶▶] buttons, select to the "AM 9K" or "AM 10K".
6. Press the [ENTER] button, it is changed into selected setting. Press other than [ENTER] button, will cancel this mode.

DAB RESET (AEP and UK models only)

DAB module information is initialized.

Procedure:

1. Press the [OPERATE] button to turn the power on.
2. Press the [➔ SCAN RADIO DAB/FM] button to select DAB radio function.
3. Press two buttons of [ENTER] and [■] simultaneously.
4. The message "DAB" and "RESET?" are displayed on the liquid crystal display alternately.



5. Press the [ENTER] button, and the initialization is started. A screen display stops at the displayed at the time of initialization starting.
6. The message "STANDBY" appears and initialization is performed, and turn the power off.



Releasing method:

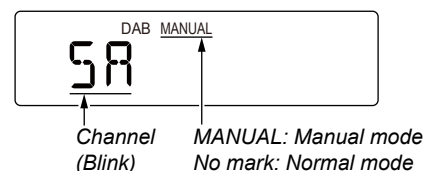
Press the [■] button, or do not perform operation for 10 seconds.

DAB MANUAL MODE (AEP and UK models only)

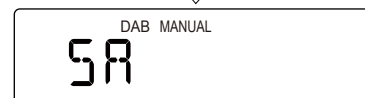
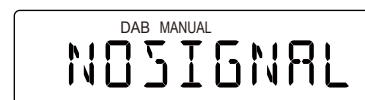
Receiving mode can be changed to normal (Alphabetical) mode or manual mode.

Procedure:

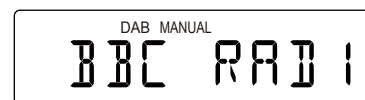
1. Press the [OPERATE] button to turn the power on.
2. Press the [➔ SCAN RADIO DAB/FM] button to select DAB function.
3. Press three buttons of [■], [◀ /TUNE -] and [MODE] simultaneously.
4. It is changed into a manual mode from a normal mode. (Displayed values in the following figure is example)



5. Press the [◀ /TUNE -] or [▶ /TUNE +] buttons, change to DAB channel.
6. When it is not able to receive, "NOSIGNAL" and "XX" (Channel number) are displayed on the liquid crystal display alternately. (Displayed values in the following figure is example)



When it is able to receive, it becomes the display received. (Displayed values in the following figure is example)



Releasing method:

Press the [MODE] button to return to normal mode.

Bluetooth INFORMATION INITIALIZE

Bluetooth information is initialized.

Procedure:

1. Press the [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models) button to turn the power on.
2. Press the [PAIRING BLUETOOTH] button to select Bluetooth function.
3. Press and hold (about 2 seconds) the [ERASE] button.
4. The message "BT RESET" appears on the liquid crystal display.

BT RESET

5. Press the [ENTER] button, and the message "BT RESET" is blink.
6. The message "COMPLETE" appears and initialization is performed, and release from this mode.

COMPLETE

Releasing method:

Press the [■] button, or do not perform operation for 10 seconds.

ERP TEST (AEP and UK models only)

The ERP audio signal detection check.

Confirm ERP test with reference to the following flow.

Procedure:

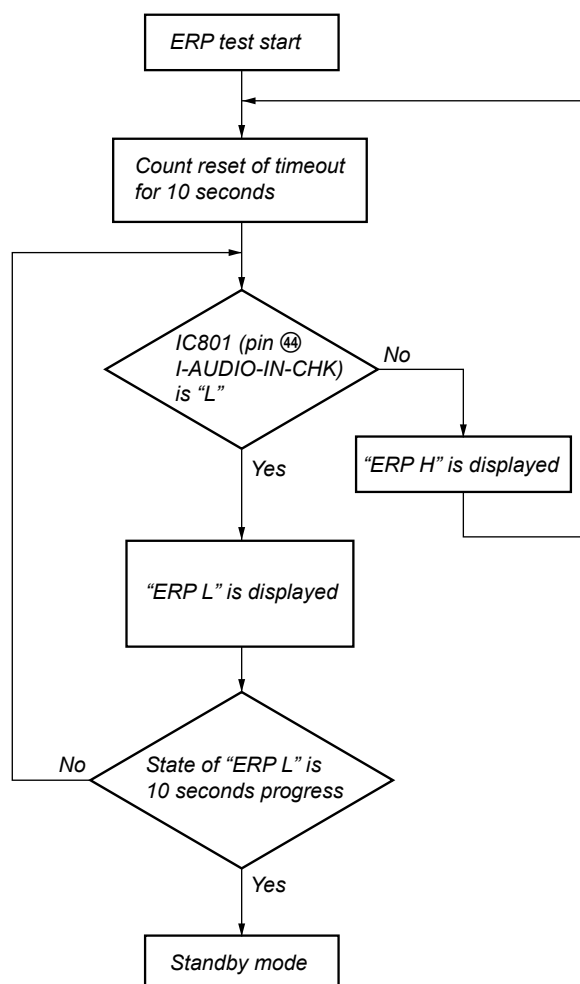
1. Press the [OPERATE] button to turn the power on.
2. Press three buttons of [AUDIO IN], [F/TUNE -] and [MODE] simultaneously.
3. When an audio signal is inputted into IC801 (pin ④), "ERP H" is displayed on the liquid crystal display.

ERP H

When an audio signal is not inputted into IC801 (pin ④), "ERP L" is displayed on a liquid crystal display.

ERP L

ERP test flow:



Releasing method:

Press three buttons of [AUDIO IN], [F/TUNE -] and [MODE] simultaneously, or it will become standby mode if operation is not performed for 10 seconds in the state of "ERP L"

CD ADJUSTMENT MONITOR MODE

It can check the data of the result after automatic adjustment.

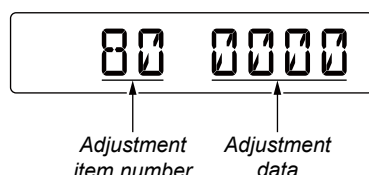
Procedure:

1. Press the [POWER] (Except AEP and UK models) / [OPER-ATE] (AEP and UK models) button to turn the power on.
2. Press the [CD] button to select CD function.
3. Press three buttons of the [CD], [MANUAL PRESET ►] and [MODE] simultaneously.
4. The message "80 XXXX" appears on the liquid crystal display.
XXXX: Adjustment data

Key Operation:

[– PRESET ◀◀], [PRESET + ►►]: Adjustment item is select.
[VOLUME +]: Monitor select value up.
(Adjustment number 75, 76 and 77 only)
[VOLUME –]: Monitor select value down.
(Adjustment number 75, 76 and 77 only)
[ENTER]: Enter the monitor select value. (Adjustment number 75, 76 and 77 only)

(Displayed values in the following figure are example)



Adjustment item number:

- 80 : Focus off set (FDOF_AD)
- 81 : Focus off set (FOFF)
- 87 : Focus search (S_MAX/S_MIN)
- 88 : Focus search (FDOF)
- 97 : Tracking balance (AVETMP2)
- 98 : Tracking balance (TEREF2)
- 99 : Tracking balance (TEREF)
- 9A: Tracking balance (T_MAX/T_MIN)
- 9B: RF gain
- 82 : Focus gain (FOGAIN)
- 83 : Focus gain (FSINPP)
- 9C: Focus gain
- 92 : Tracking gain (TRGAIN)
- 93 : Tracking gain (TSINPP)
- 9D: Tracking gain
- 71 : RF shaped width detection level (PH-BH)
- 84 : Focus DC off set (AVETMP2)
- 85 : Focus DC off set (FEREF2)
- 86 : Focus DC off set (FEREF)
- 95 : Tracking DC off set (TEREF2)
- 96 : Tracking DC off set (TEREF)
- 72 : LVSIF (AVETMP2)
- 73 : LVSIF (LVSIF2)
- 74 : LVSIF (LVSIF)
- 75 : Monitor signal select 1 (PORTCTL0)
- 76 : Monitor signal select 2 (FMONSEL0/1, BMONSEL)
- 77 : Analog monitor select (AMONCTL)

Releasing method:

Press three buttons of the [CD], [MANUAL PRESET ►] and [MODE] simultaneously.

CD FACTORY MODE

Note 1: Do not enter the this mode while any other test mode is in progress.

Note 2: Do not enter any other test mode while the this mode is in progress.

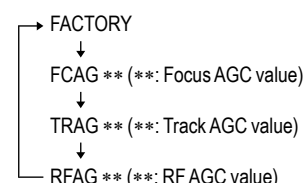
Procedure:

1. Press the [POWER] (Except AEP and UK models)/[OPER-ATE] (AEP and UK models) button to turn the power on.
2. Press the [CD] button to select CD function
3. Press three buttons of the [CD], [■] and [MODE] simultaneously.
4. It enters the CD factory mode and the message "FACTORY" is displayed.

Key Operation:

[MODE]:

The display changes in the following order whenever the button is pressed.



[– LIGHT SYNC • DISPLAY]:

RF gain setting changes whenever the button is pressed.

"FACTORY": No gain fixation.

"AL": Fix to the gain for AL disc.

"RW": Fix to the gain for RW disc.

[VOLUME –]:

Tracking servo setting changes whenever the button is pressed
(This function is executable only while CD is playing).

"ON": Tracking servo ON.

"OFF": Tracking servo OFF.

[VOLUME +]:

S character mode setting changes whenever the button is pressed.

"FACTORY": S character mode OFF.

"S-CUR": S character mode ON.

Releasing method:

Press three buttons of the [CD], [■] and [MODE] simultaneously.

CD SERVICE MODE

This mode can move the SLED of the optical pick-up, and also can turn the optical pick-up laser power on and off.

C1 error, C2 error, frame jump error, focus drive low-pass value and SubQ displayed.

The disturbance level of FE and TE can be set up.

Procedure:

1. Press the [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models) button to turn the power on.
2. Press the [CD] button to select CD function.
3. Press three buttons of the [CD], [VOLUME -] and [MODE] simultaneously.
4. The message "SE MODE" appears on the liquid crystal display.

Key Operation:

[**-** PRESET **◀◀**], [**PRESET** + **▶▶**] (CD stop states):

Use these keys to move the SLED. When [**PRESET** + **▶▶**] is pressed in this mode, the SLED moves to outer circumference and the message "SL OUT" is displayed.

When [**-** PRESET **◀◀**] is pressed in this mode, the SLED moves to inner circumference and the message "SL IN" is displayed.

[MODE]:

Use this key to turn the optical pick-up laser power on and off. When the laser power is turned on, the message "LD ON" is displayed. When the laser power is turned off, the message "LD OFF" is displayed.

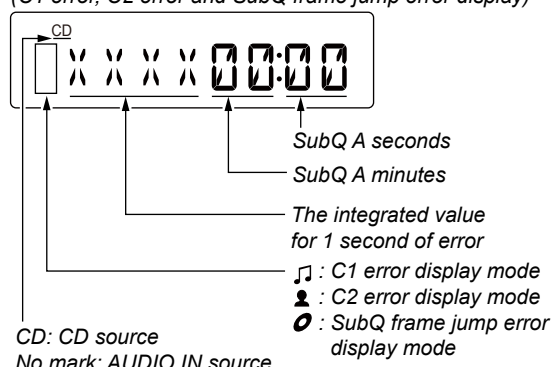
[MANUAL PRESET **▶▶**]:

Use this key to CD play. On the liquid crystal display, C1 error is displayed. Each time [**-** LIGHT SYNC • DISPLAY] button pressed, the display changes C2 error, SubQ frame jump error, focus drive low-pass value this order, and returns to the C1 error display.

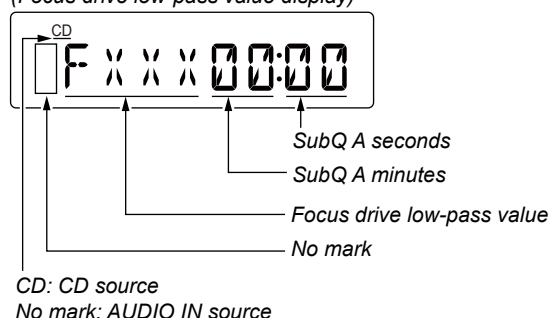
Each time [REC CD **▶** USB] button is press and hold for 2 seconds, source change to "CD" or "AUDIO IN".

(Displayed characters/values in the following figure are example)

(C1 error, C2 error and SubQ frame jump error display)



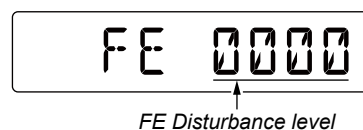
(Focus drive low-pass value display)



[CD], [**-** MEMORY SELECT USB] (CD playing states):

Use these keys to FE disturbance level setting. When [CD] is pressed, the FE disturbance level is up. When [MEMORY SELECT USB] is pressed, the FE disturbance level is down. (This screen display returns in about two seconds)

(Displayed characters/values in the following figure are example)



[ERASE], [ENTER] (CD playing states):

Use these keys to TE disturbance level setting. When [ERASE] is pressed, the TE disturbance level is up. When [ENTER] is pressed, the TE disturbance level is down. (This screen display returns in about two seconds)

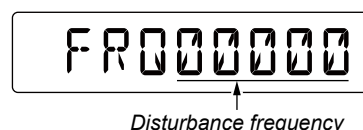
(Displayed characters/values in the following figure are example)



[**-** AUTO PRESET RADIO FM/AM] (Except AEP and UK models)/[**-** SCAN RADIO DAB/FM] (AEP and UK models), [AUDIO IN] (CD playing states):

Use these keys to disturbance frequency setting. When [**-** AUTO PRESET RADIO FM/AM] (Except AEP and UK models)/[**-** SCAN RADIO DAB/FM] (AEP and UK models) is pressed, the disturbance frequency is up. When [AUDIO IN] is pressed, the disturbance frequency is down. (This screen display returns in about two seconds)

(Displayed characters/values in the following figure are example)



[■]	: CD stop
[- PRESET ◀◀] (CD playing states)	: Select a track
[PRESET + ▶▶] (CD playing states)	: Select a track
[- PRESET ◀◀] hold down (CD playing states)	: Fast backward
[PRESET + ▶▶] hold down (CD playing states)	: Fast forward
[VOLUME +]	: Volume up
[VOLUME -]	: Volume down

Releasing method:

Press three buttons of the [CD], [VOLUME -] and [MODE] simultaneously.

SECTION 4
ELECTRICAL CHECKS

TUNER SECTION

0 dB = 1 μ V

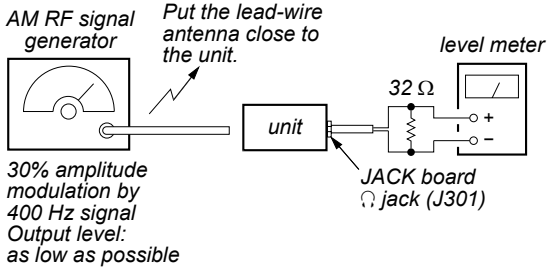
no mark: E41 model
(): E92 and MX models

[AM] (RS70BT only)

Setting:

Function: RADIO

Band: AM

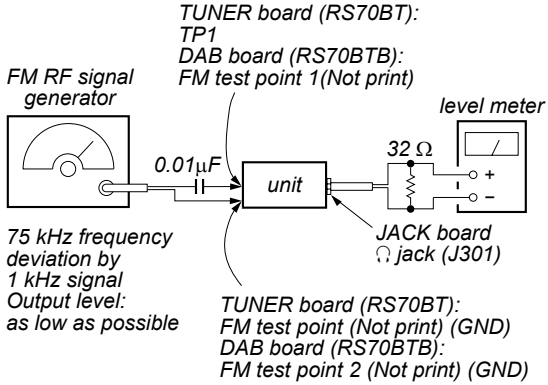


[FM]

Setting:

Function: RADIO

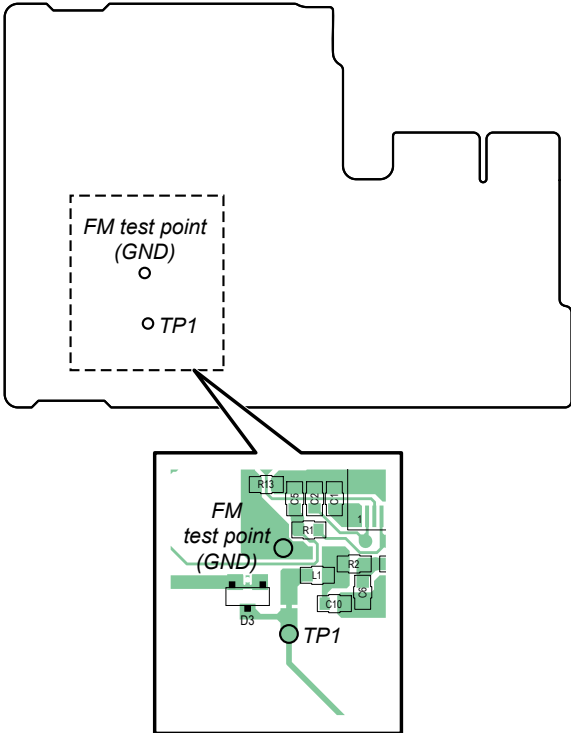
Band: FM



Note: Perform FM frequency coverage check after removing FM telescopic antenna (ANT1).

Connection Location:

– TUNER Board (Conductor Side) (RS70BT) –

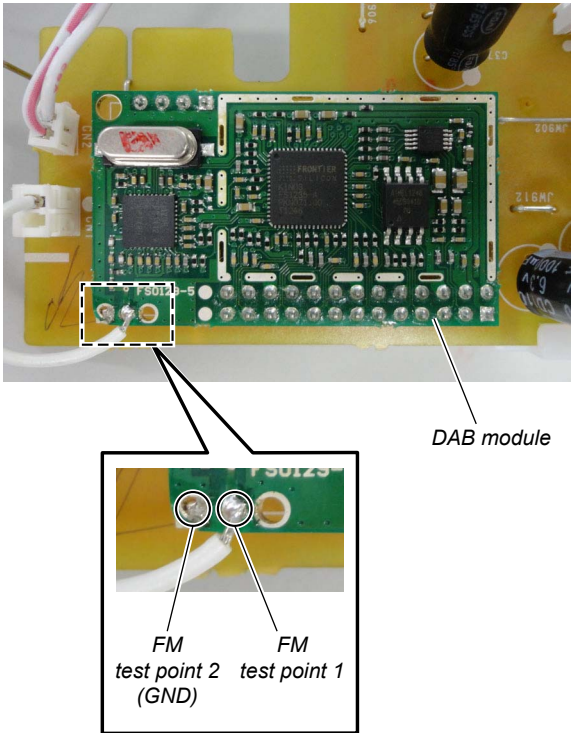


AM FREQUENCY COVERAGE CHECK	
Check that reading on level meter is the maximum	
Confirmation	531 (530) kHz
Confirmation	1,602 (1,710) kHz

FM FREQUENCY COVERAGE CHECK	
Check that reading on level meter is the maximum	
Confirmation	87.5 MHz
Confirmation	108 MHz

- Abbreviation
 - E41 : Bolivian, Chilean, Paraguayan, Peruvian and Uruguayan models
 - E92 : Venezuelan, Panamanian, Honduran, Guatemalan, Colombian, Costa Ri-ca, Dominican, Ecuadorean and El Salvador models
 - MX : Mexican model

– DAB Board (Component Side) (RS70BTB) –

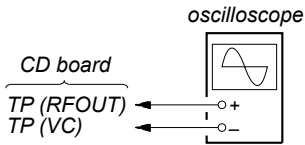


CD SECTION

Note:

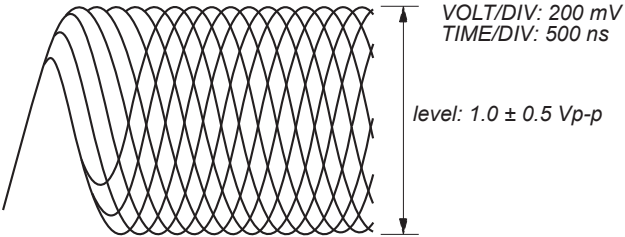
1. CD block is basically constructed to operate without adjustment.
2. Use YEDS-18 disc (Part No. 3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10 M Ω impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Check the focus bias check when optical pick-up block is replaced.

FOCUS BIAS CHECK



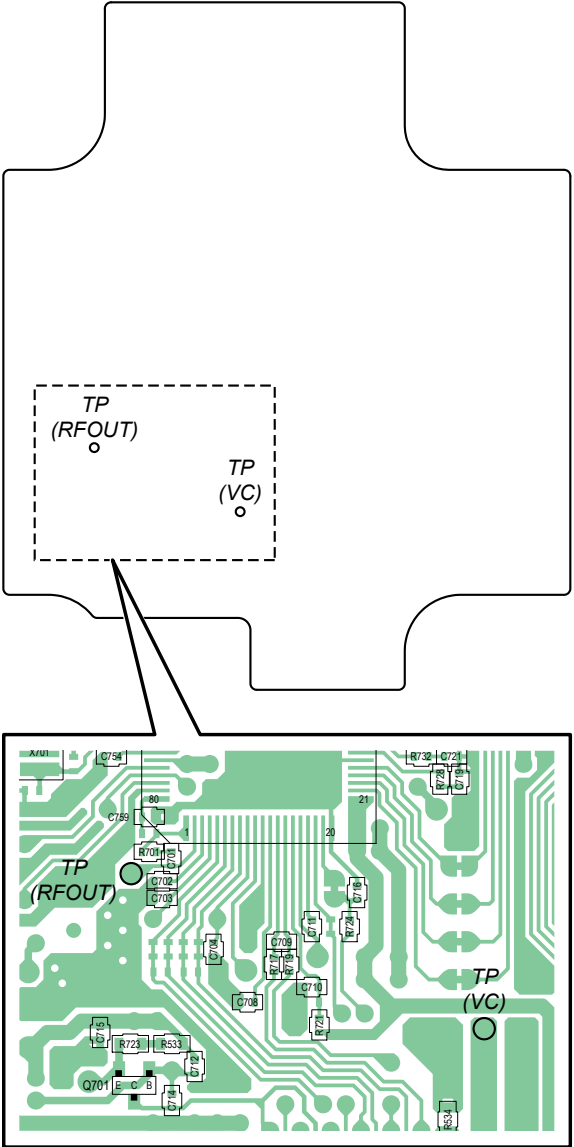
Procedure:

1. Connect the oscilloscope to RFOUT and VC on the CD board.
 2. In the standby state, press the [POWER] (Except AEP and UK models)/[OPERATE] (AEP and UK models) button to turn the power on.
 3. Press the [CD] button to turn the CD function.
 4. Set the disc (YEDS-18) and press the [MANUAL PRESET] button to playback.
 5. Confirm that 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.



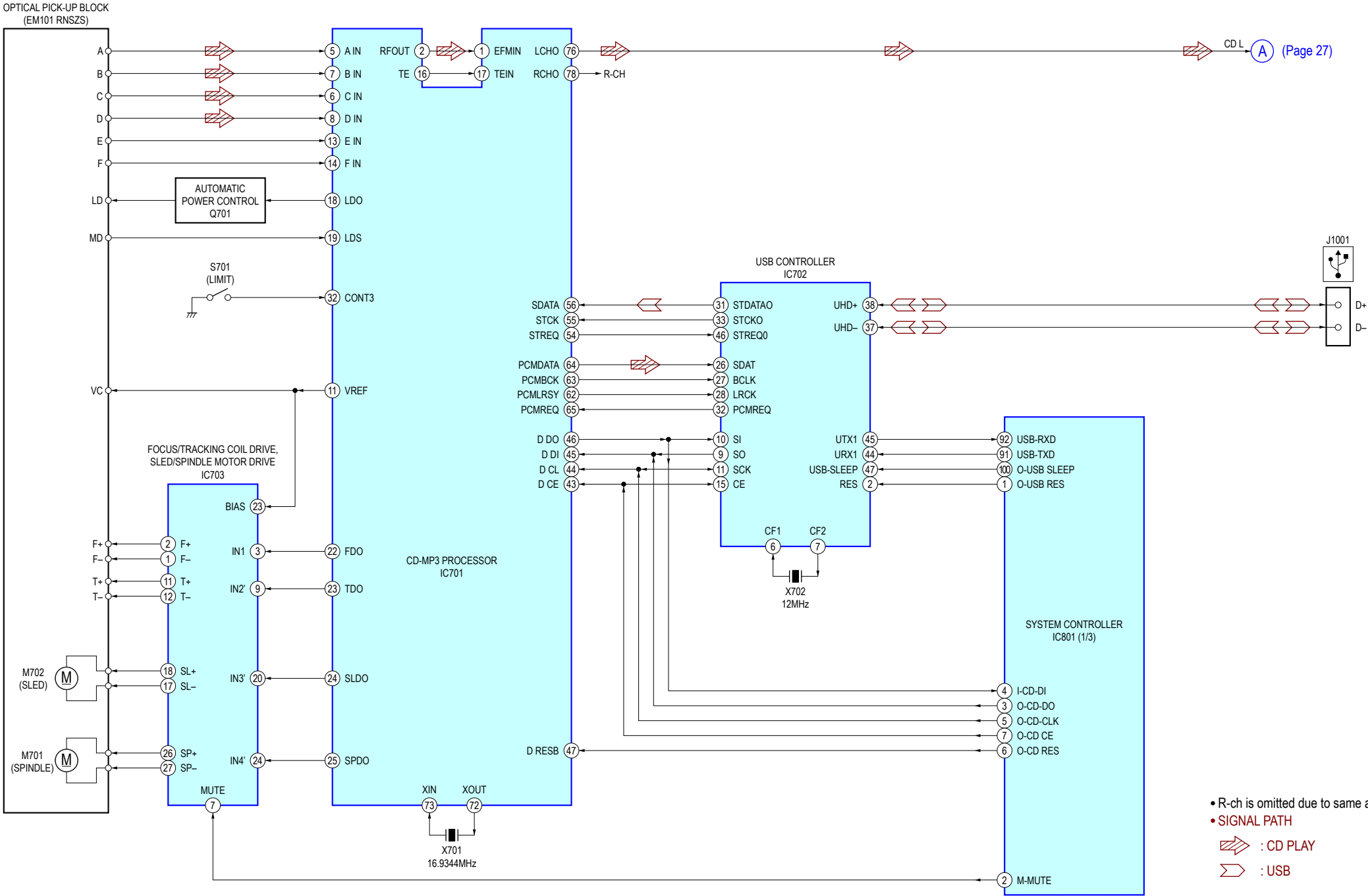
Connection Location:

– CD Board (Conductor Side) –

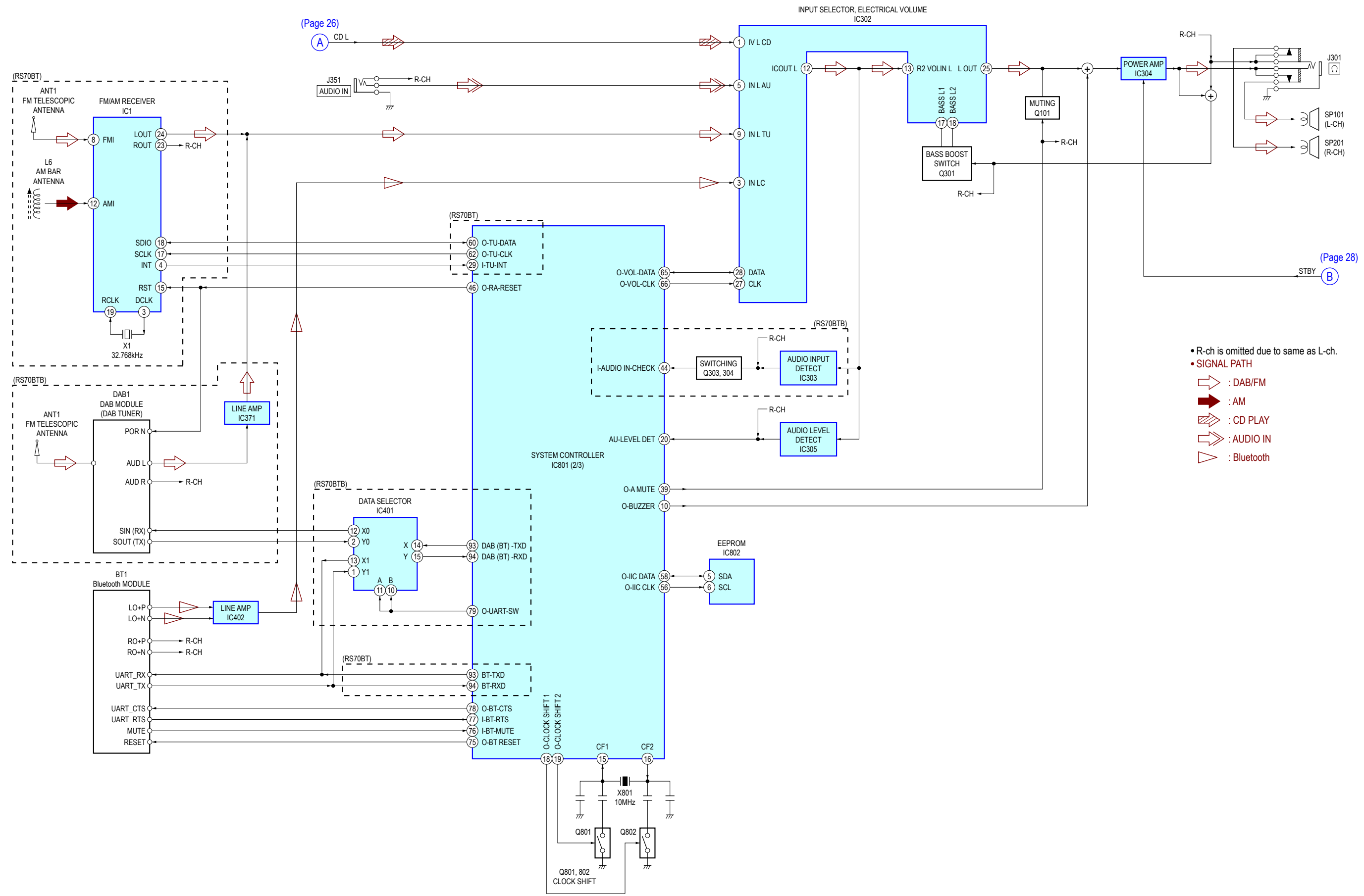


SECTION 5
DIAGRAMS

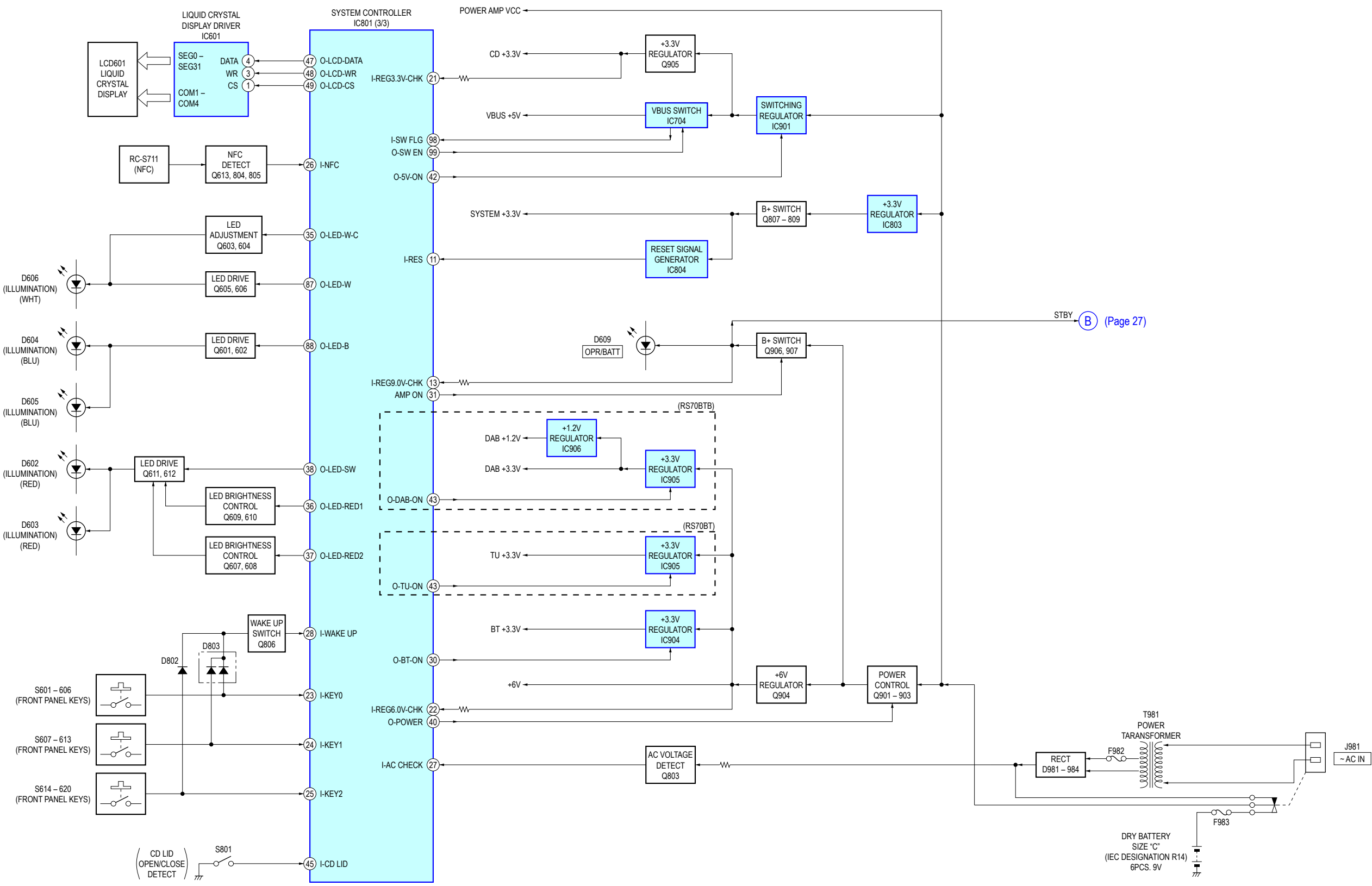
5-1. BLOCK DIAGRAM - CD/USB Section -



5-2. BLOCK DIAGRAM - MAIN Section -



5-3. BLOCK DIAGRAM - PANEL/POWER SUPPLY Section -



STBY (B) (Page 27)

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

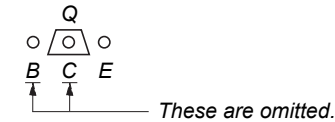
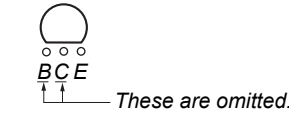
For Printed Wiring Boards.

- Note:
- — : Parts extracted from the component side.
 - : Parts extracted from the conductor side.
 - △ : Internal component.
 - : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

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

Caution:
Pattern face side: Parts on the pattern face side seen
(SIDE B) from the pattern face are indicated.
Parts face side: Parts on the parts face side seen from
(SIDE A) the parts face are indicated.

- Indication of transistor.



- Abbreviation
E41 : Bolivian, Chilean, Paraguayan, Peruvian and
Uruguayan models
E92 : Venezuelan, Panamanian, Honduran, Guatemalan,
Colombian, Costa Ri-ca, Dominican, Ecuadorean and
El Salvador models
MX : Mexican model

For Schematic Diagrams.

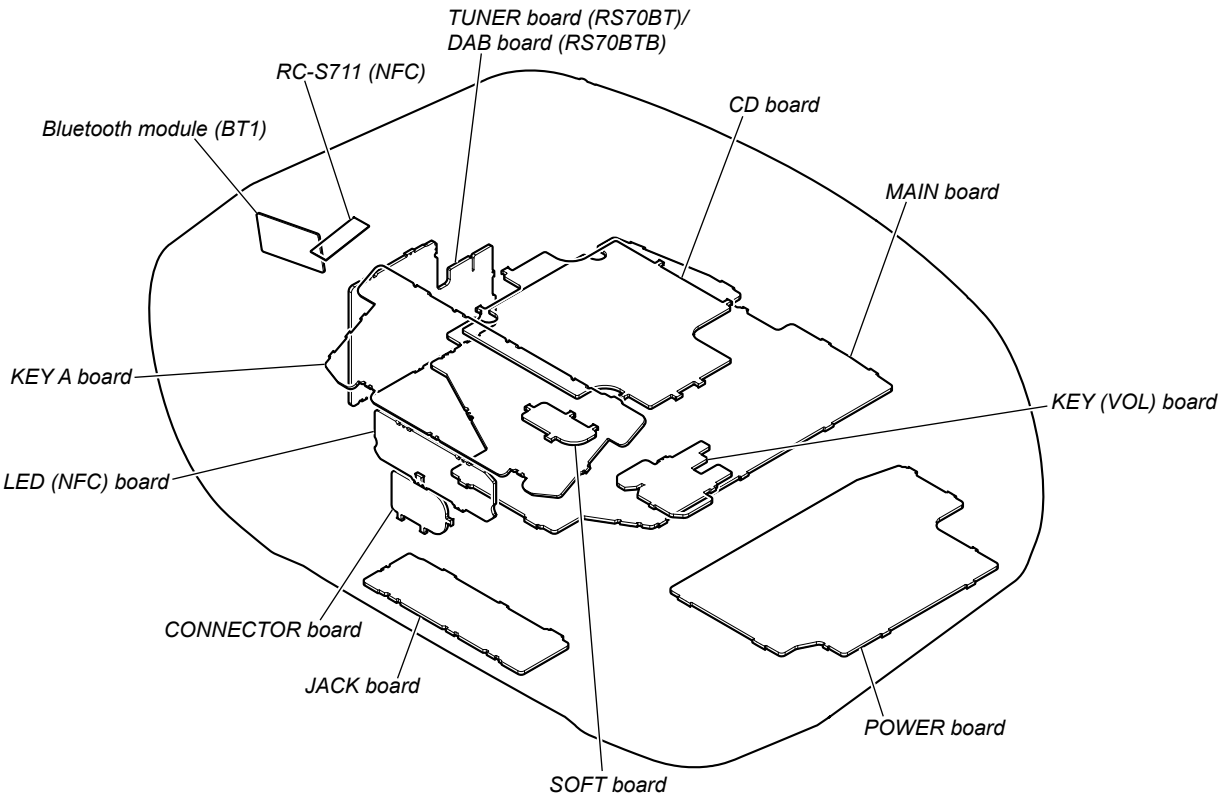
- Note:
- All capacitors are in μF unless otherwise noted. (p: pF) 50
WV or less are not indicated except for electrolytics and
tantalums.
 - All resistors are in Ω and 1/4 W or less unless otherwise
specified.
 - △ : Internal component.
 - : Panel designation.

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

- : B+ Line.
- Voltages and waveforms are dc with respect to ground
under no-signal (detuned) conditions.
no mark: DAB/FM
< : AM
(): CD PLAY
[] : Bluetooth
- Voltages are taken with VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal produc-
tion tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal produc-
tion tolerances.
- Circled numbers refer to waveforms.
- Signal path.
⇒ : DAB/FM
⇒ : AM
⇒ : CD PLAY
⇒ : AUDIO IN
⇒ : Bluetooth
⇒ : USB

- Abbreviation
E41 : Bolivian, Chilean, Paraguayan, Peruvian and
Uruguayan models
E92 : Venezuelan, Panamanian, Honduran,
Guatemalan, Colombian, Costa Ri-ca,
Dominican, Ecuadorean and El Salvador
models
MX : Mexican model

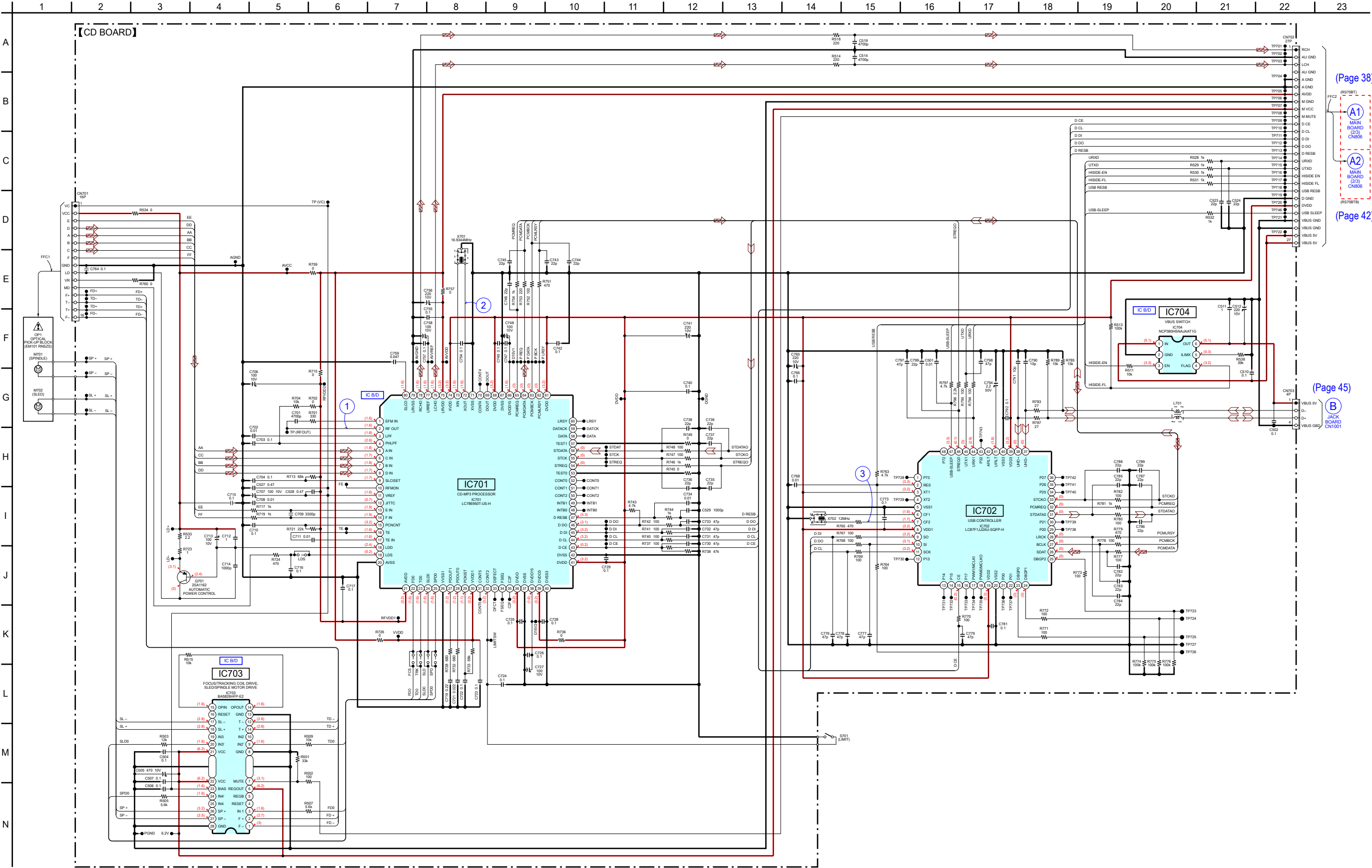
Circuit Boards Location



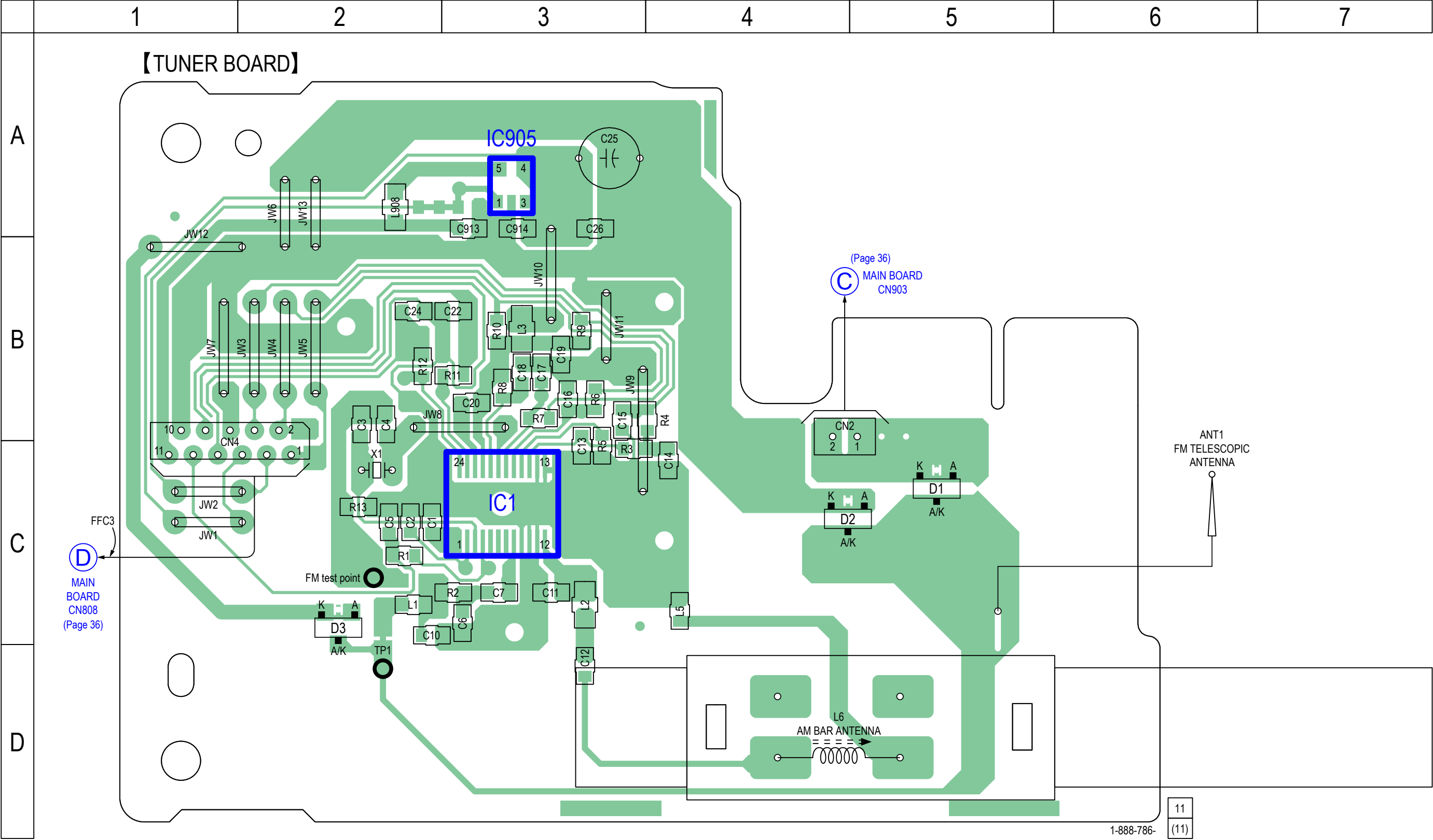
• See page 29 for Circuit Boards Location. • : Uses unleaded solder.



5-5. SCHEMATIC DIAGRAM - CD Board - • See page 50 for Waveforms. • See page 50 for IC Block Diagrams. • See page 54 for IC Pin Function Description.



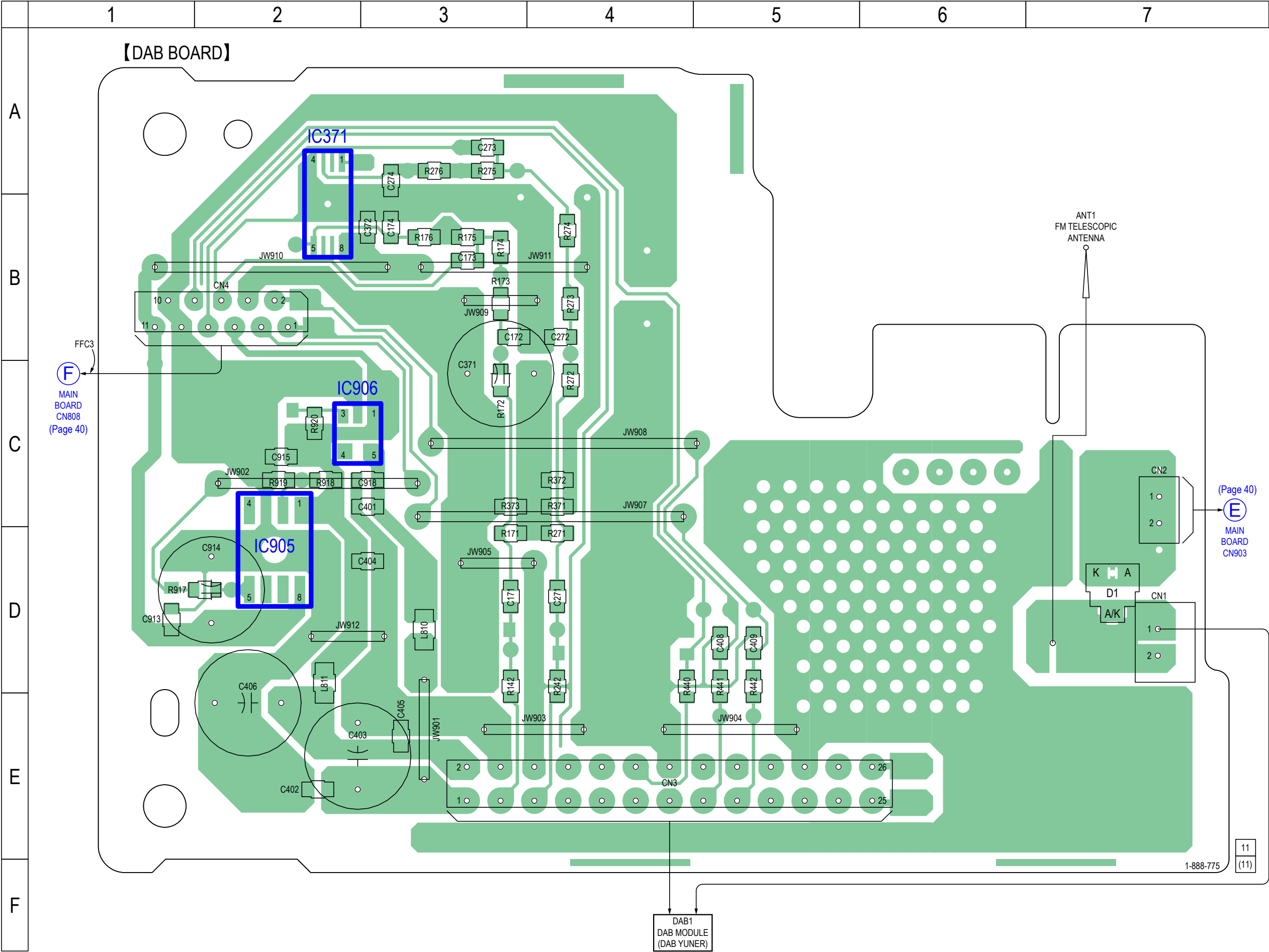
5-6. PRINTED WIRING BOARD - TUNER Board (RS70BT) - • See page 29 for Circuit Boards Location. •  : Uses unleaded solder.



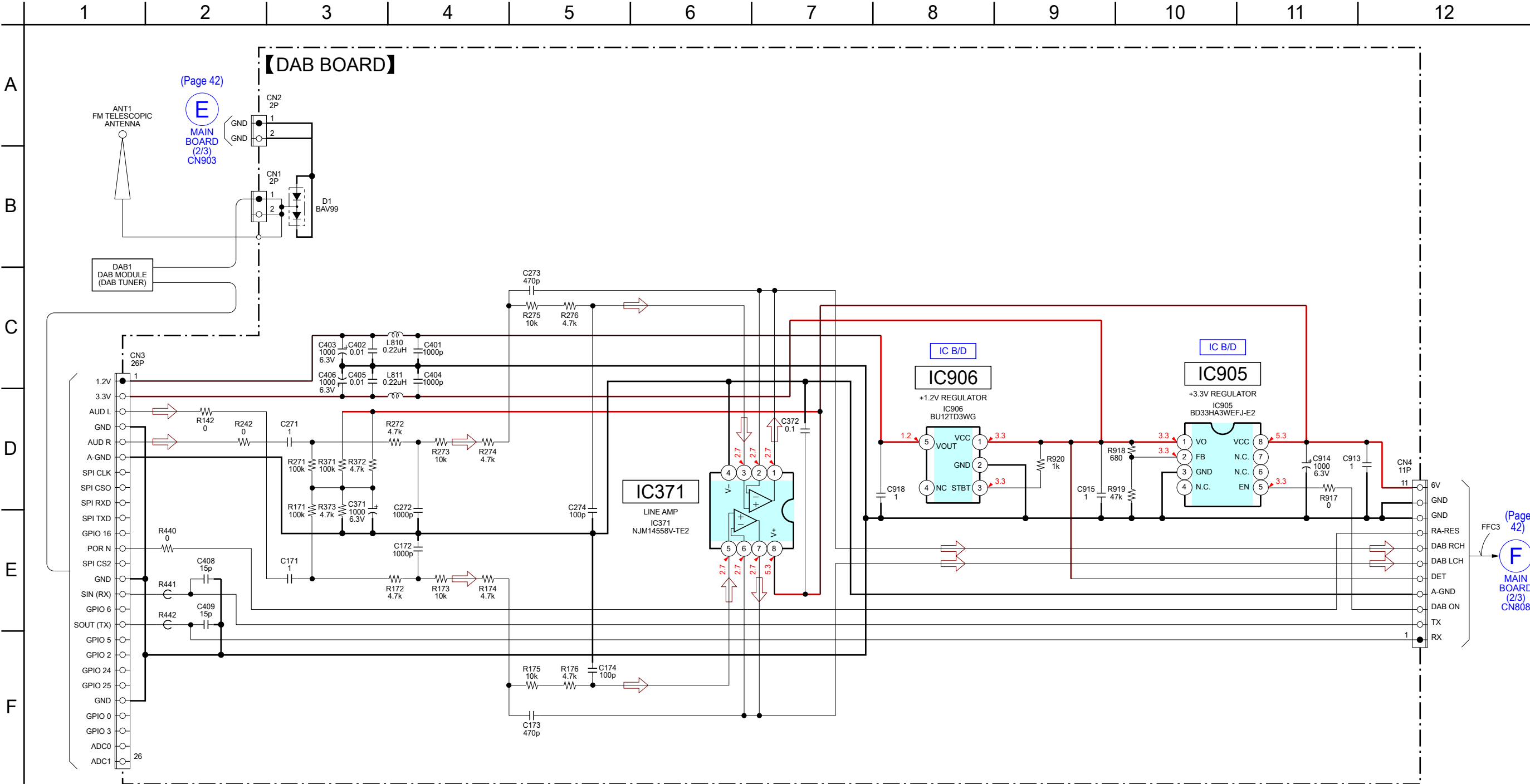
33 33



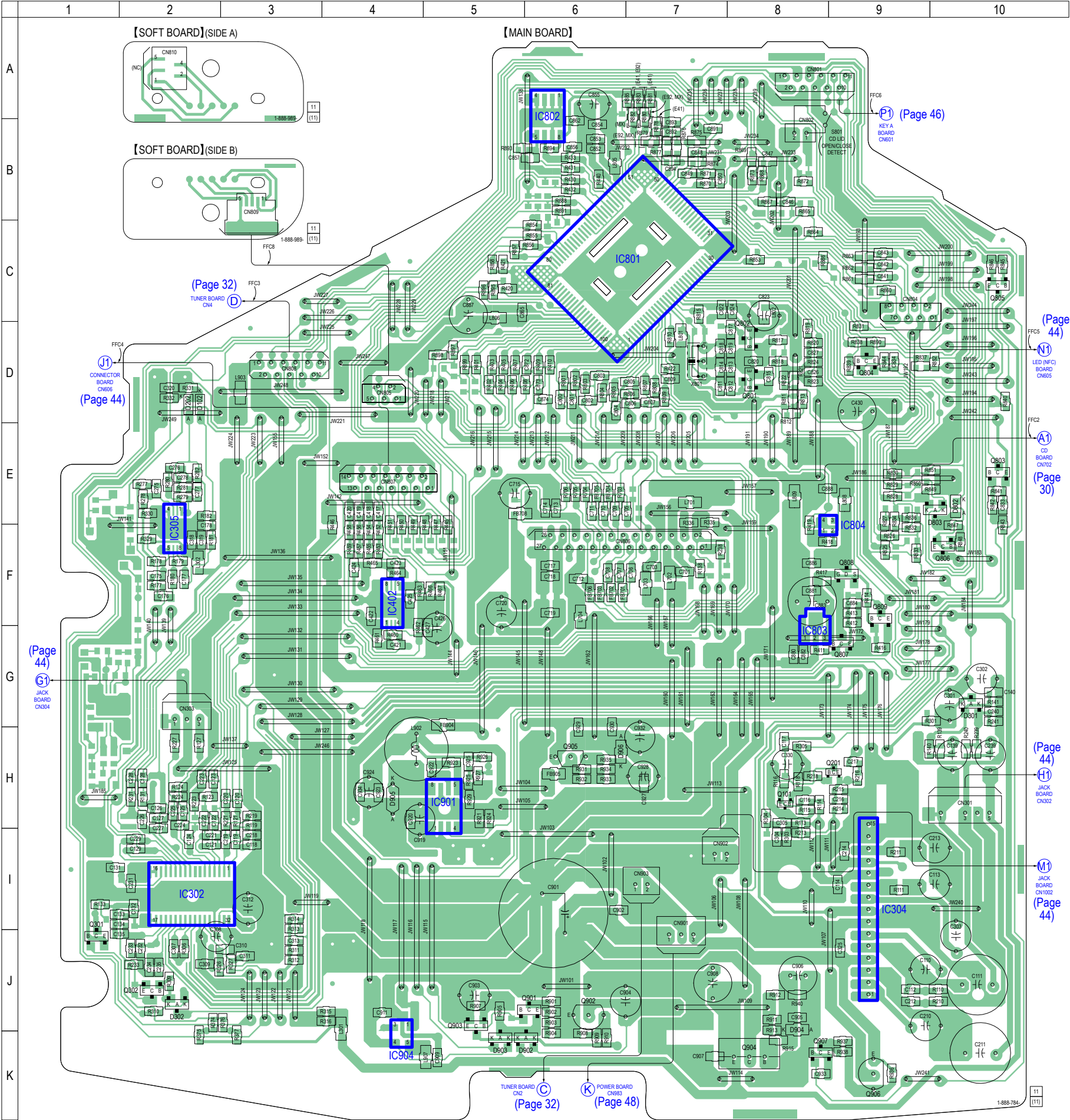
5-8. PRINTED WIRING BOARD - DAB Board (RS70BTB) - • See page 29 for Circuit Boards Location. •  : Uses unleaded solder.



5-9. SCHEMATIC DIAGRAM - DAB Board (RS70BTB) - • See page 50 for IC Block Diagrams.

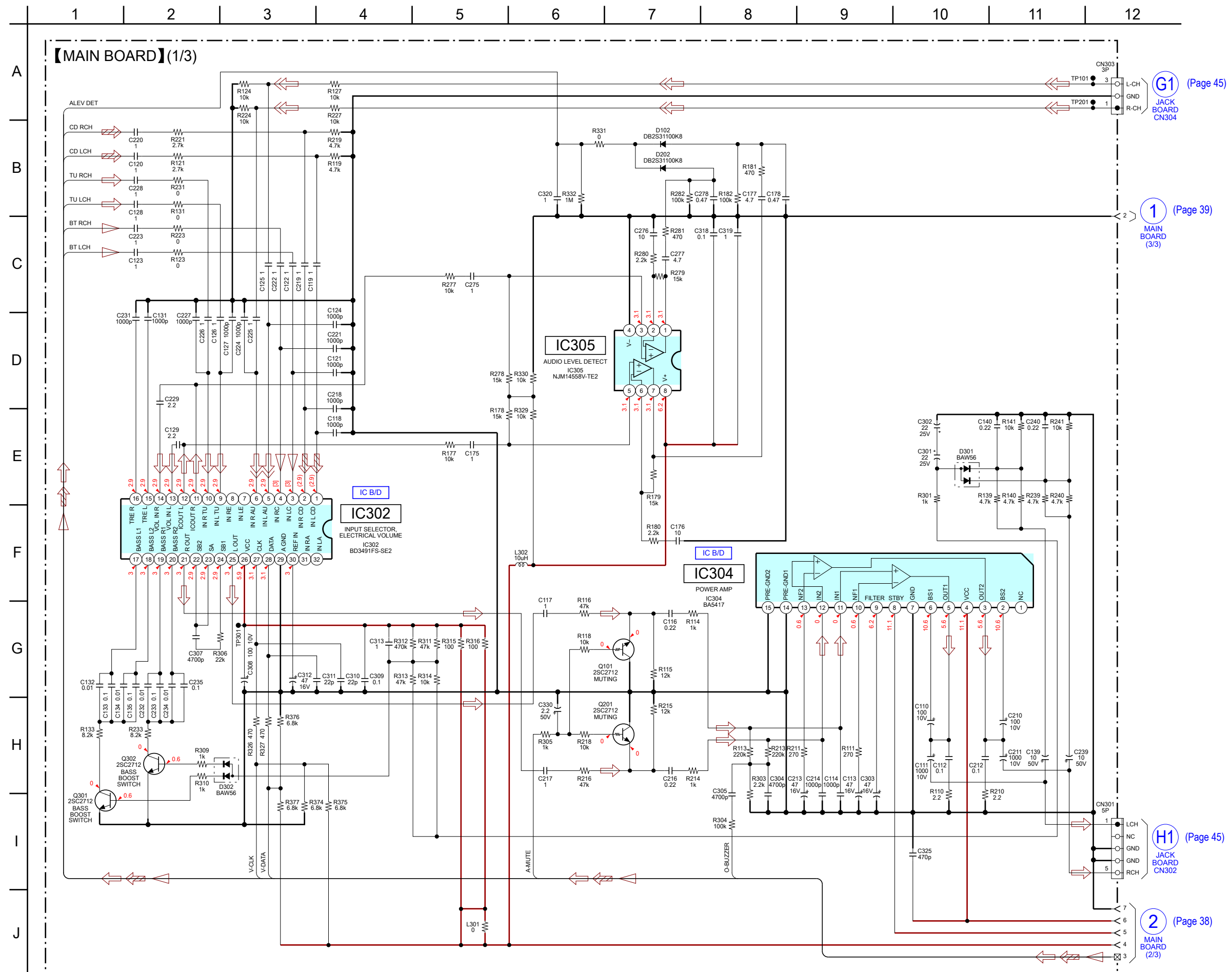


5-10. PRINTED WIRING BOARDS - MAIN Section (RS70BT) - • See page 29 for Circuit Boards Location. • : Uses unleaded solder.

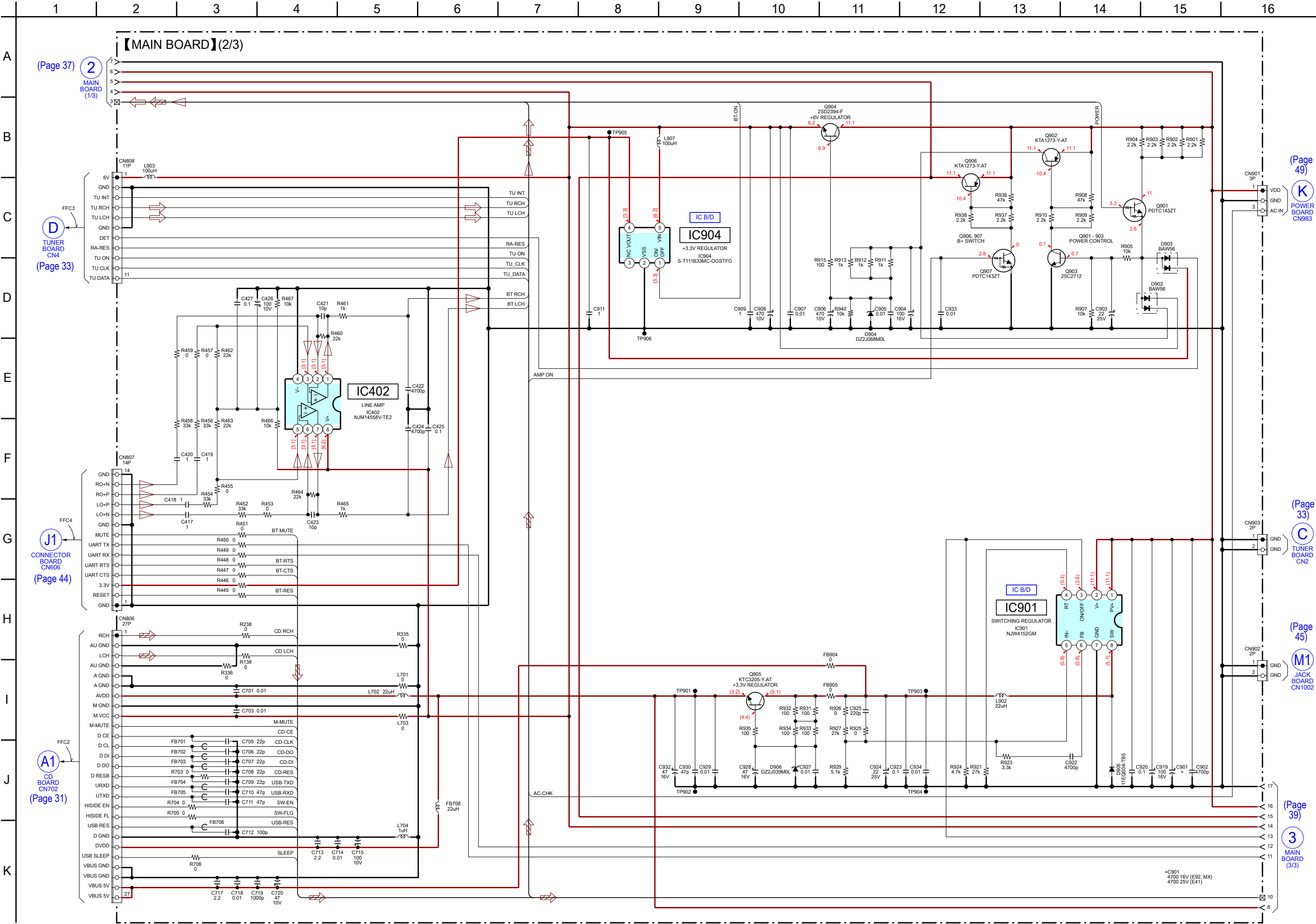


Note: IC801 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

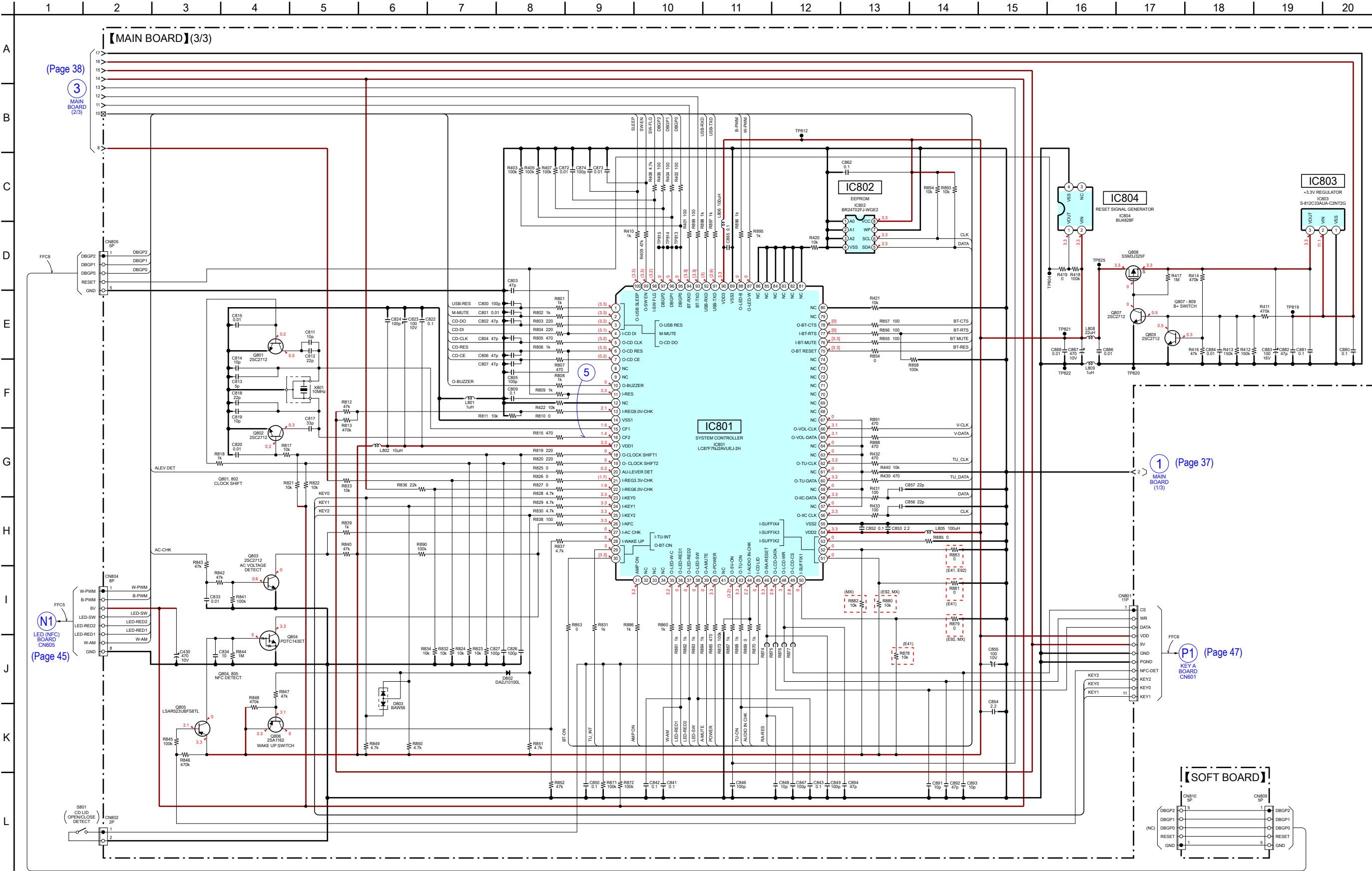
5-11. SCHEMATIC DIAGRAM - MAIN Section (1/3) (RS70BT) - • See page 50 for IC Block Diagrams.



5-12. SCHEMATIC DIAGRAM - MAIN Section (2/3) (RS70BT) - • See page 50 for IC Block Diagrams.

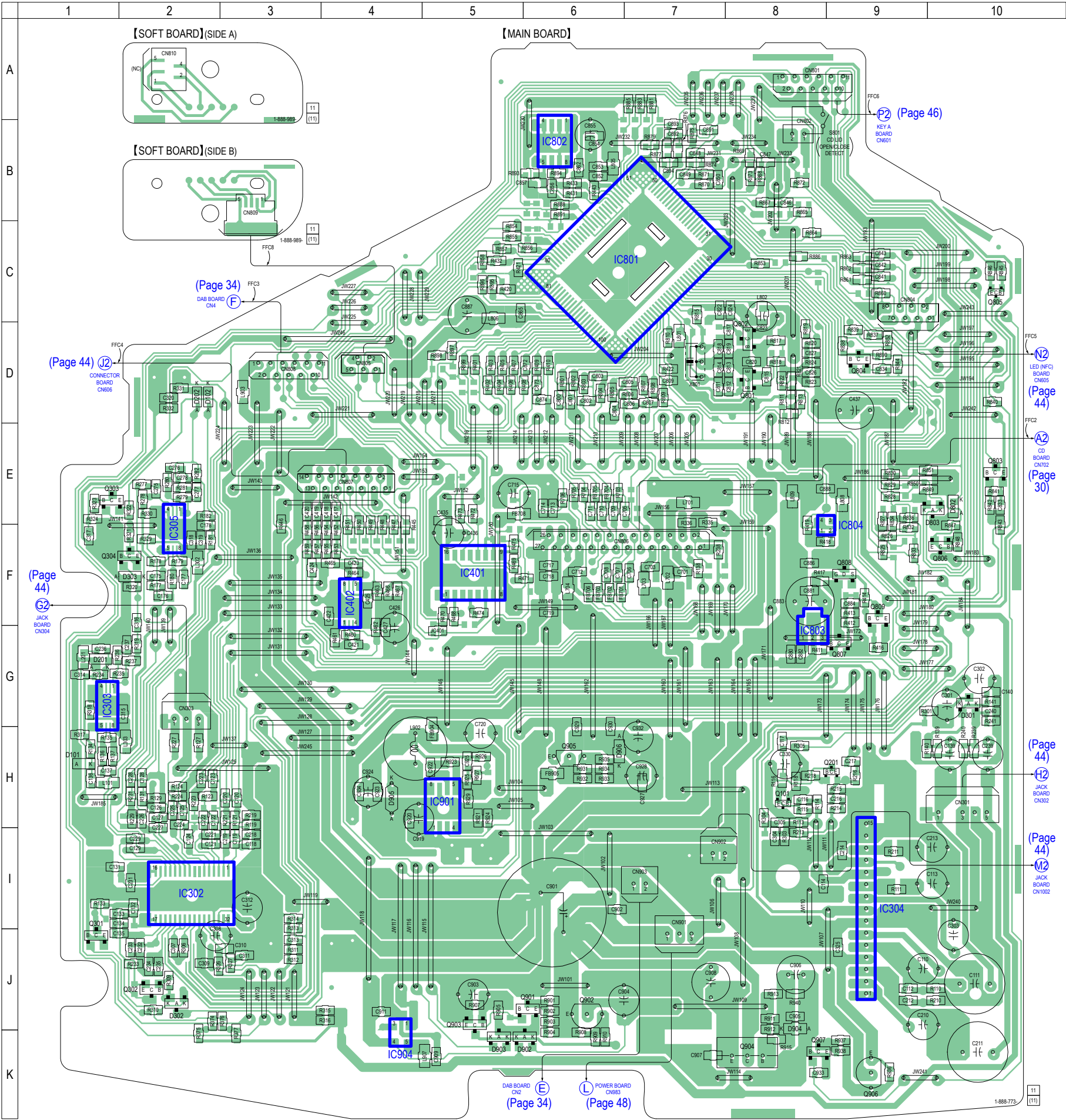


5-13. SCHEMATIC DIAGRAM - MAIN Section (3/3) (RS70BT) - • See page 50 for Waveforms. • See page 54 for IC Pin Function Description.



Note: IC801 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mount-ed board.

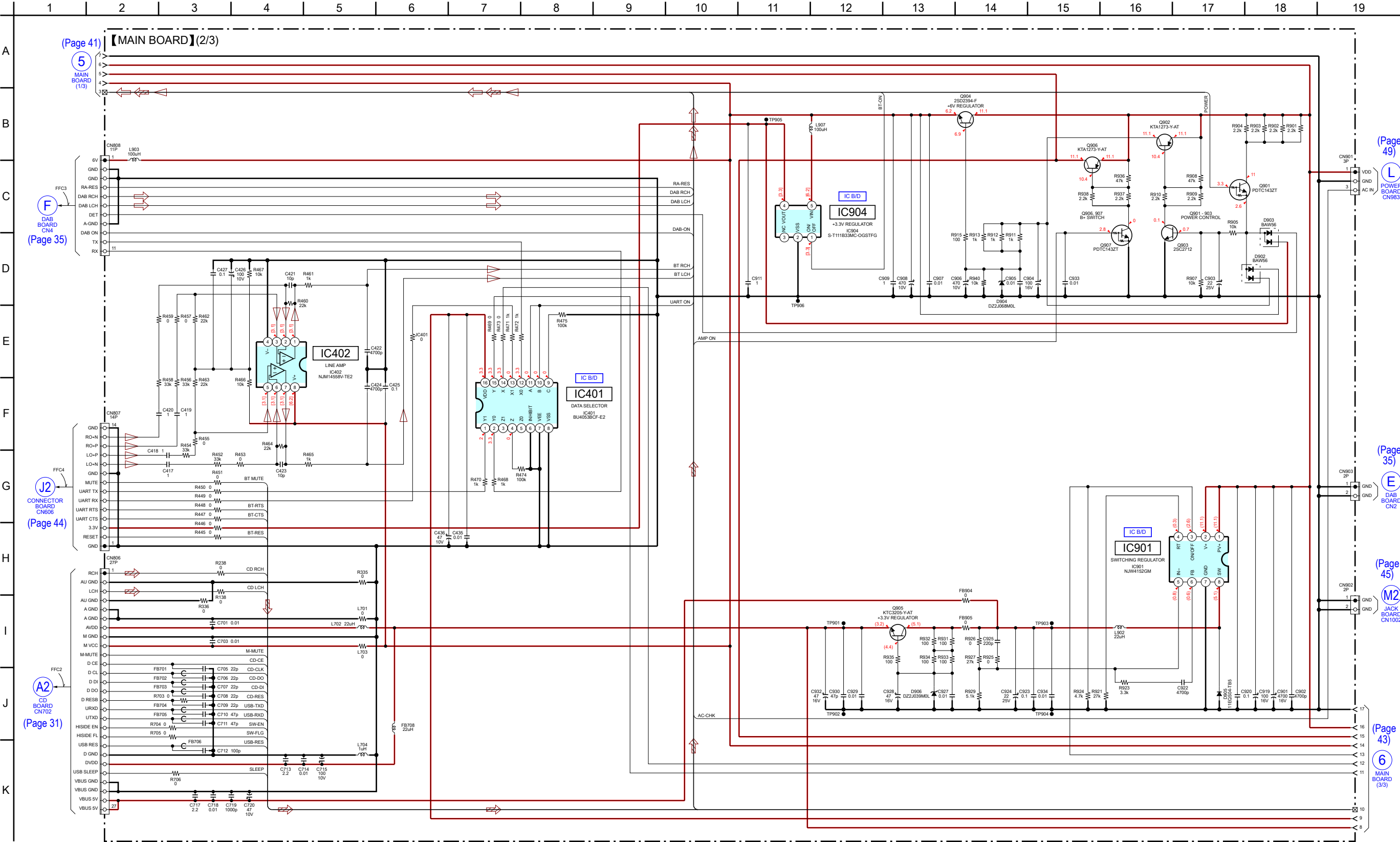
5-14. PRINTED WIRING BOARDS - MAIN Section (RS70BTB) - • See page 29 for Circuit Boards Location. • : Uses unleaded solder.



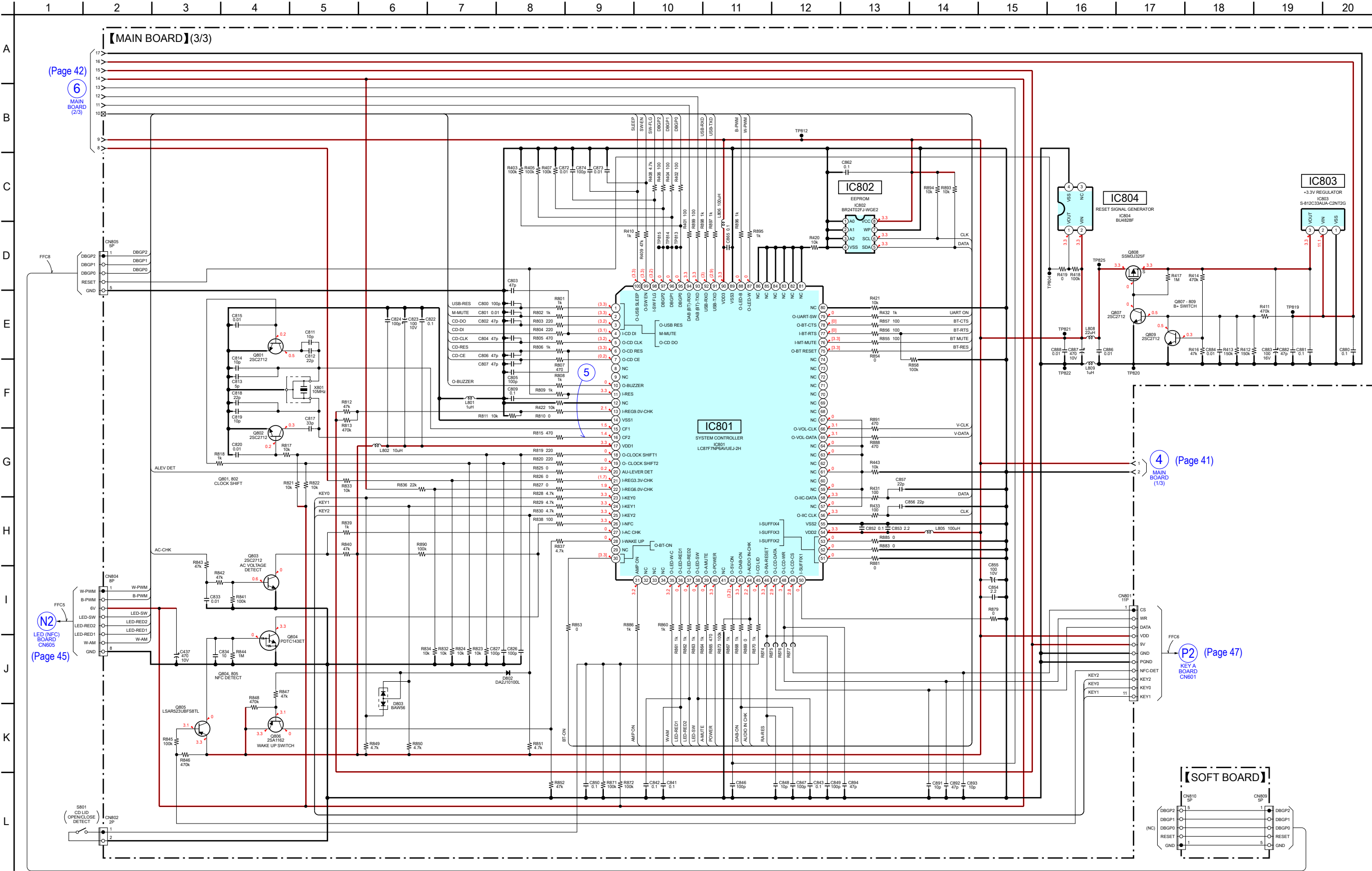
Note: IC801 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.



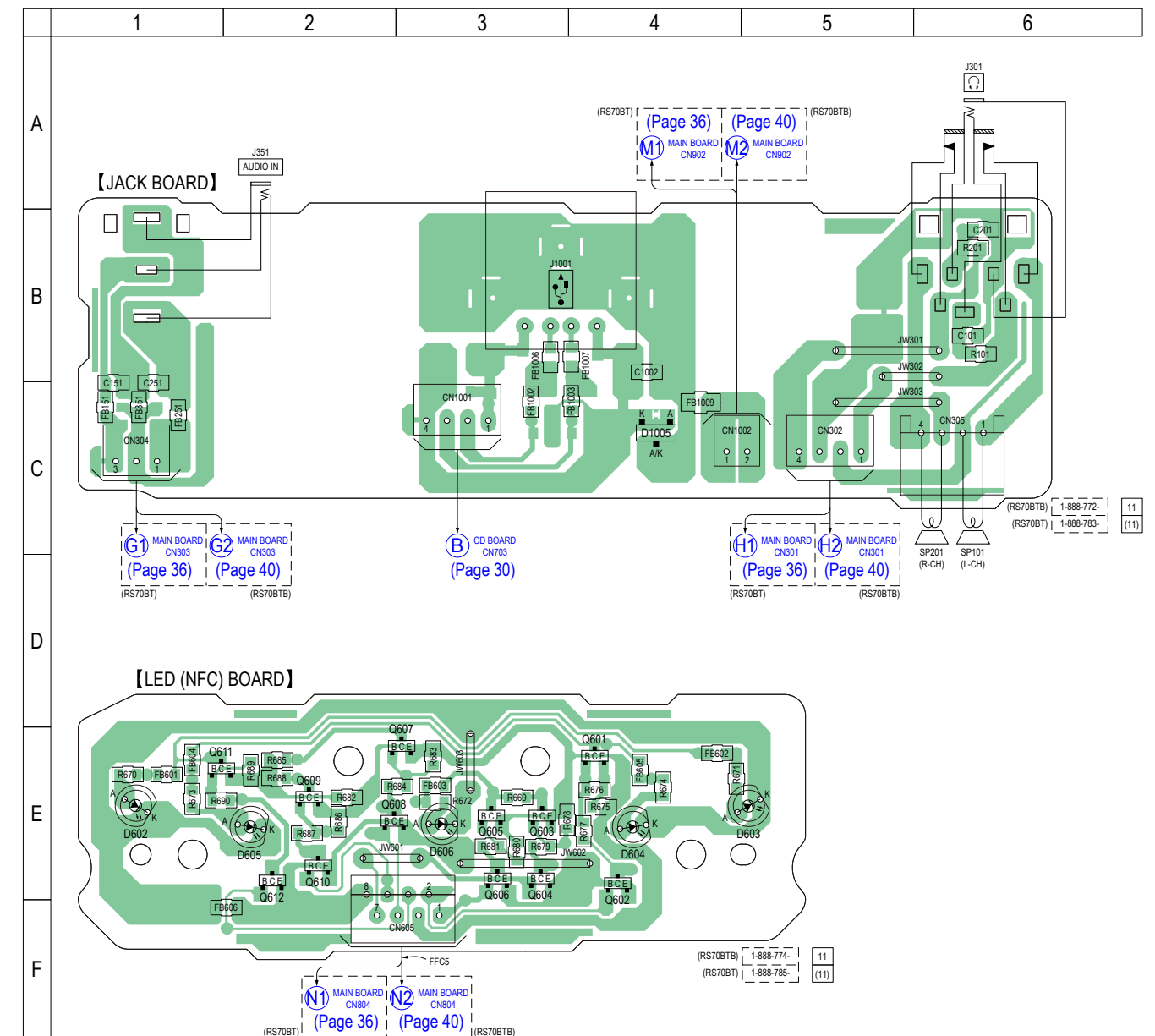
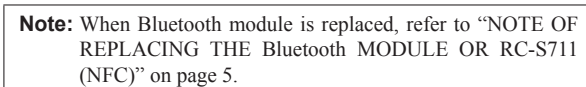
5-16. SCHEMATIC DIAGRAM - MAIN Section (2/3) (RS70BTB) - • See page 50 for IC Block Diagrams.



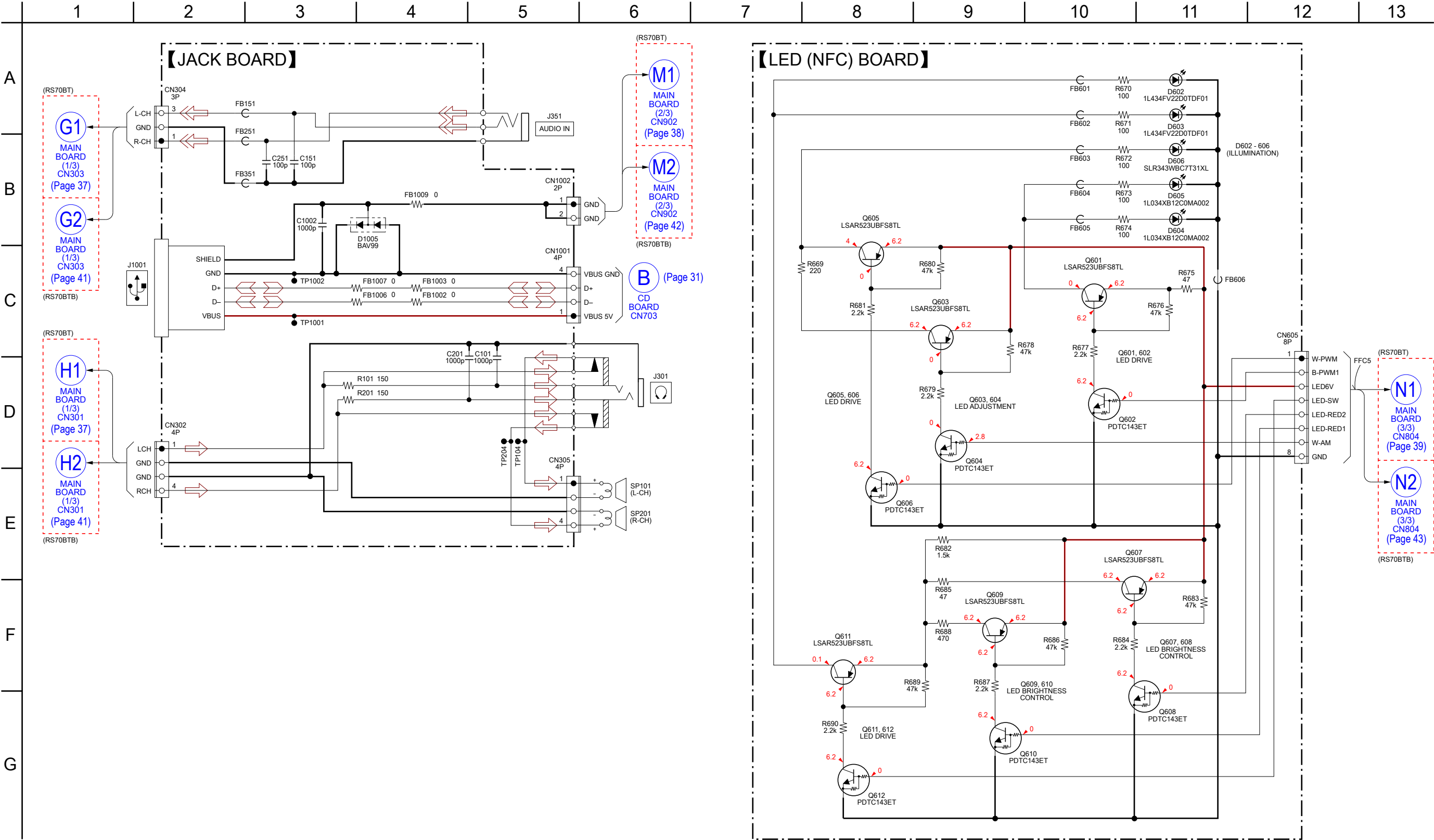
5-17. SCHEMATIC DIAGRAM - MAIN Section (3/3) (RS70BTB) - • See page 50 for Waveforms. • See page 54 for IC Pin Function Description.



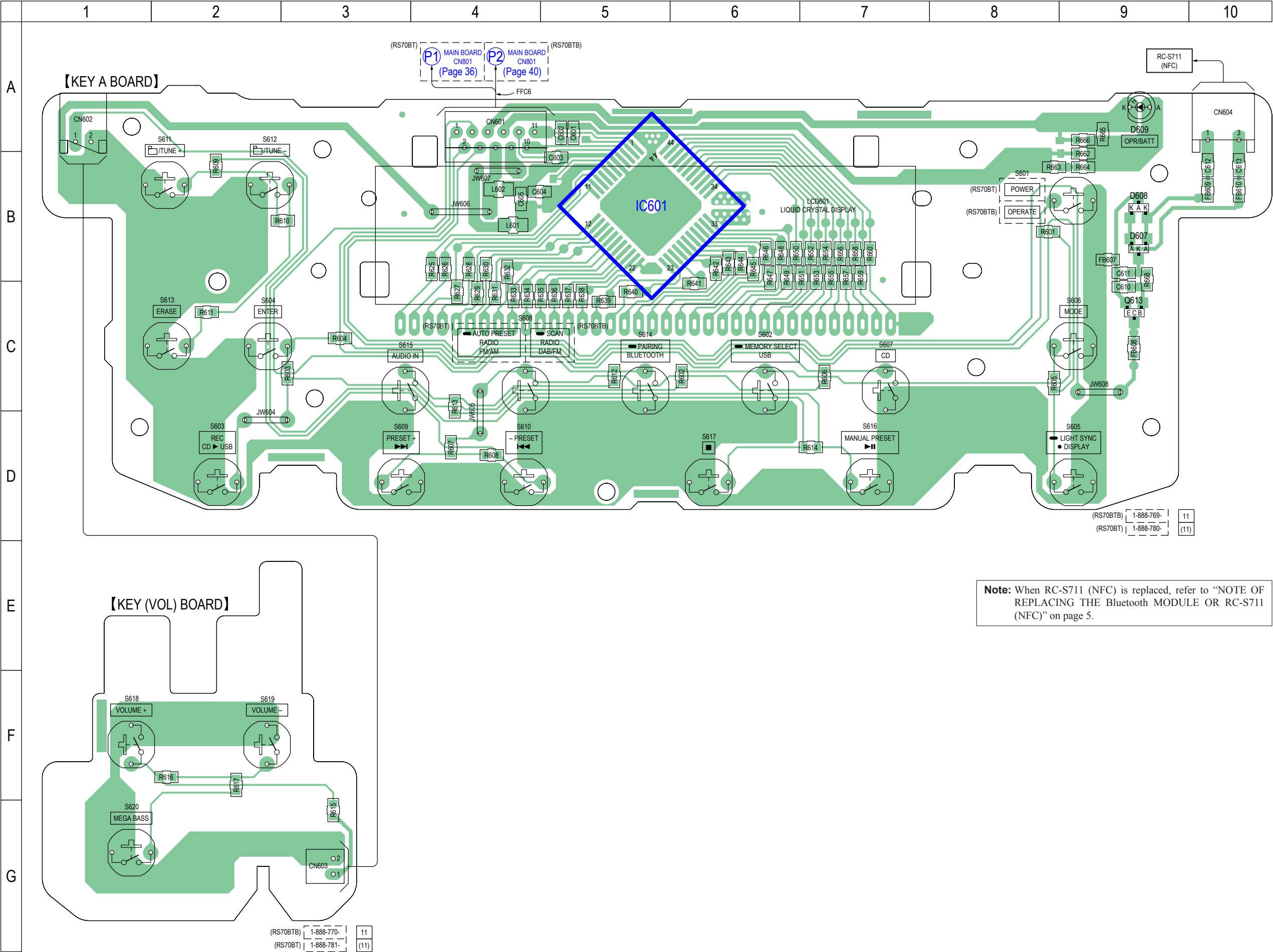
Note: IC801 on the MAIN board cannot exchange with single.
When this part is damaged, exchange the complete mount-
ed board.



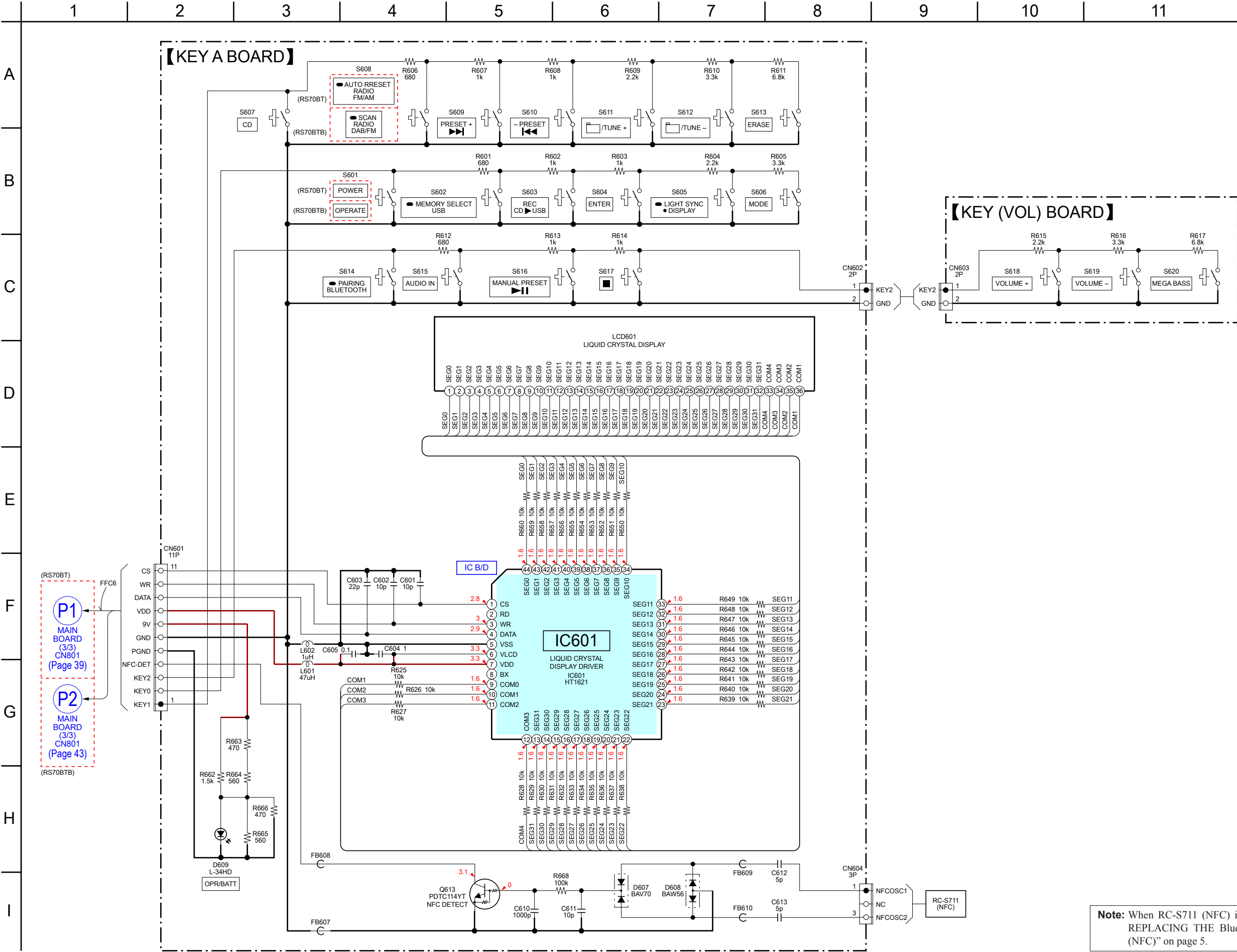
5-21. SCHEMATIC DIAGRAM - JACK/LED (NFC) Boards -



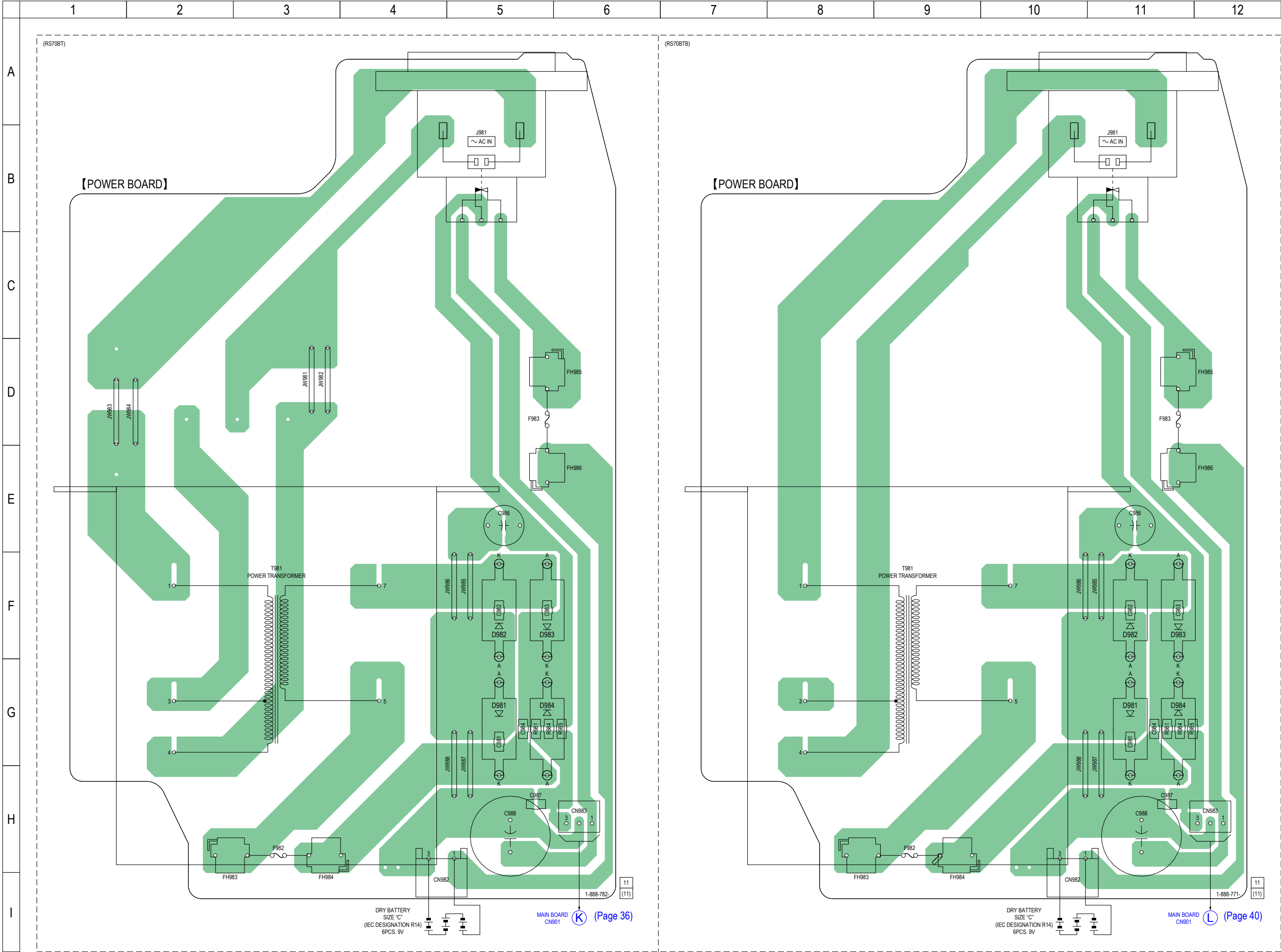
5-22. PRINTED WIRING BOARDS - KEY Section - • See page 29 for Circuit Boards Location. • : Uses unleaded solder.



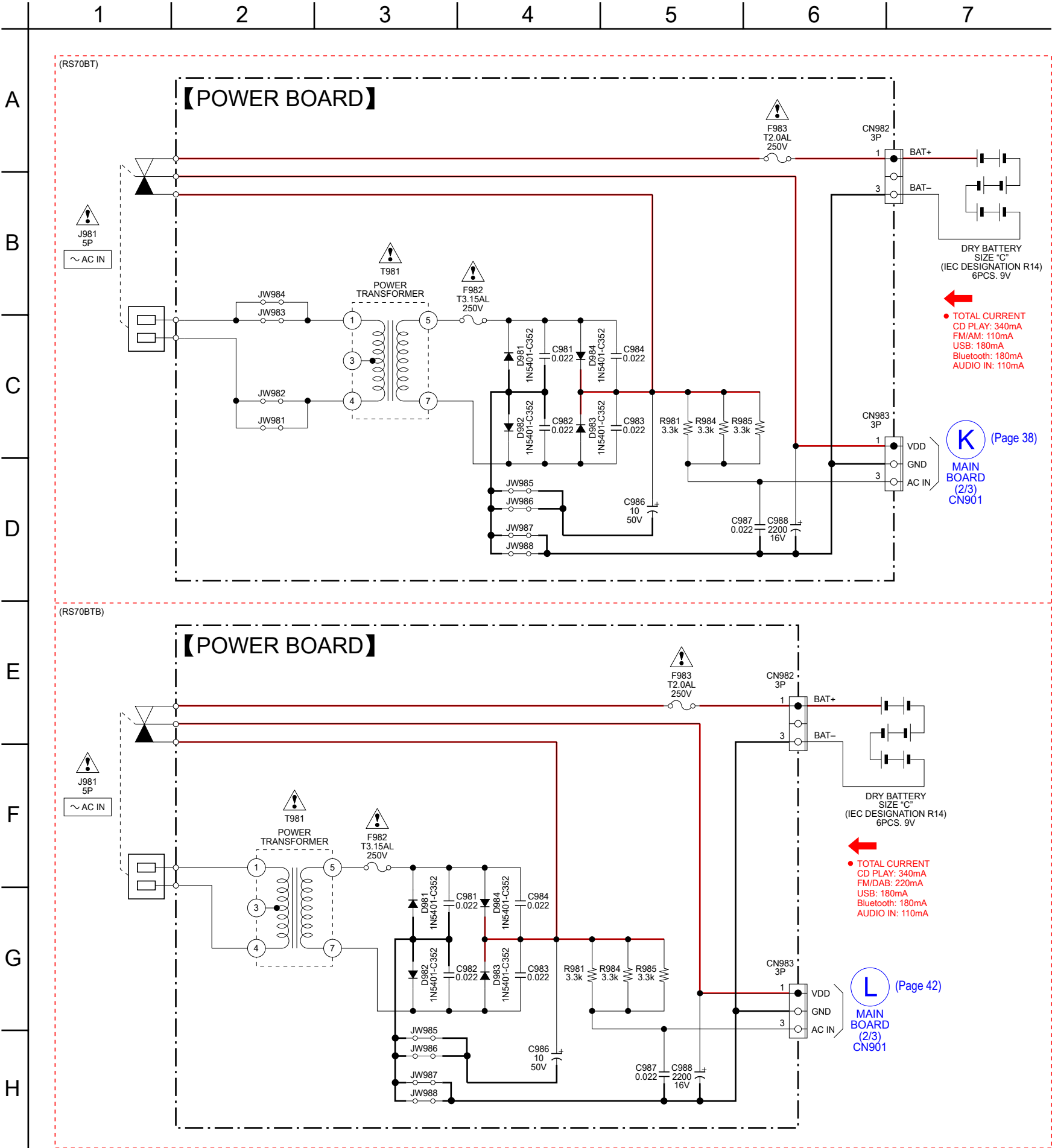
5-23. SCHEMATIC DIAGRAM - KEY Section - • See page 50 for IC Block Diagrams.



5-24. PRINTED WIRING BOARDS - POWER Board - • See page 29 for Circuit Boards Location. • : Uses unleaded solder.

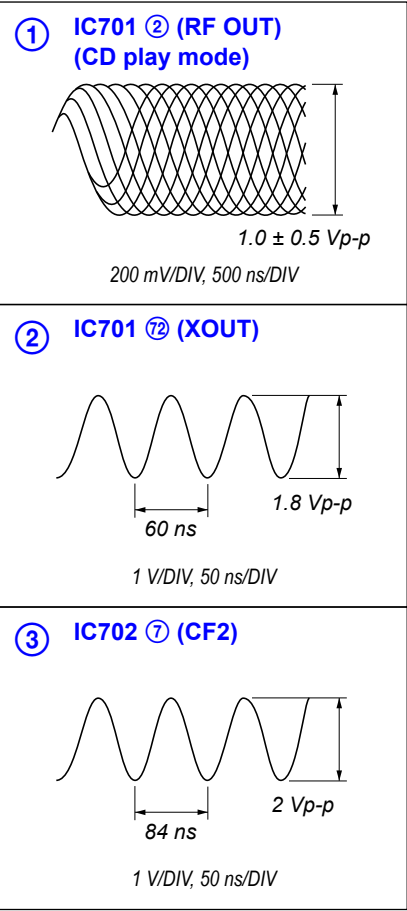


5-25. SCHEMATIC DIAGRAM - POWER Board -

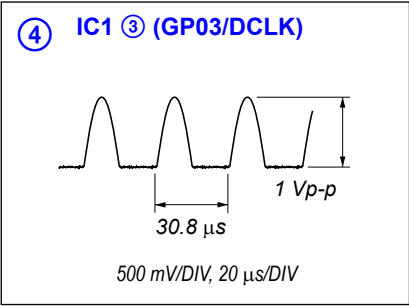


• Waveforms

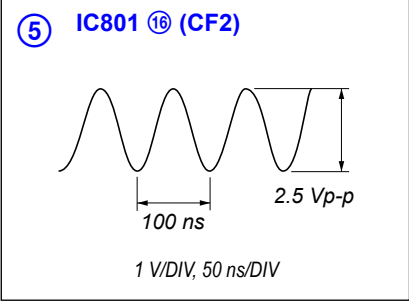
– CD Board –



– TUNER Board –

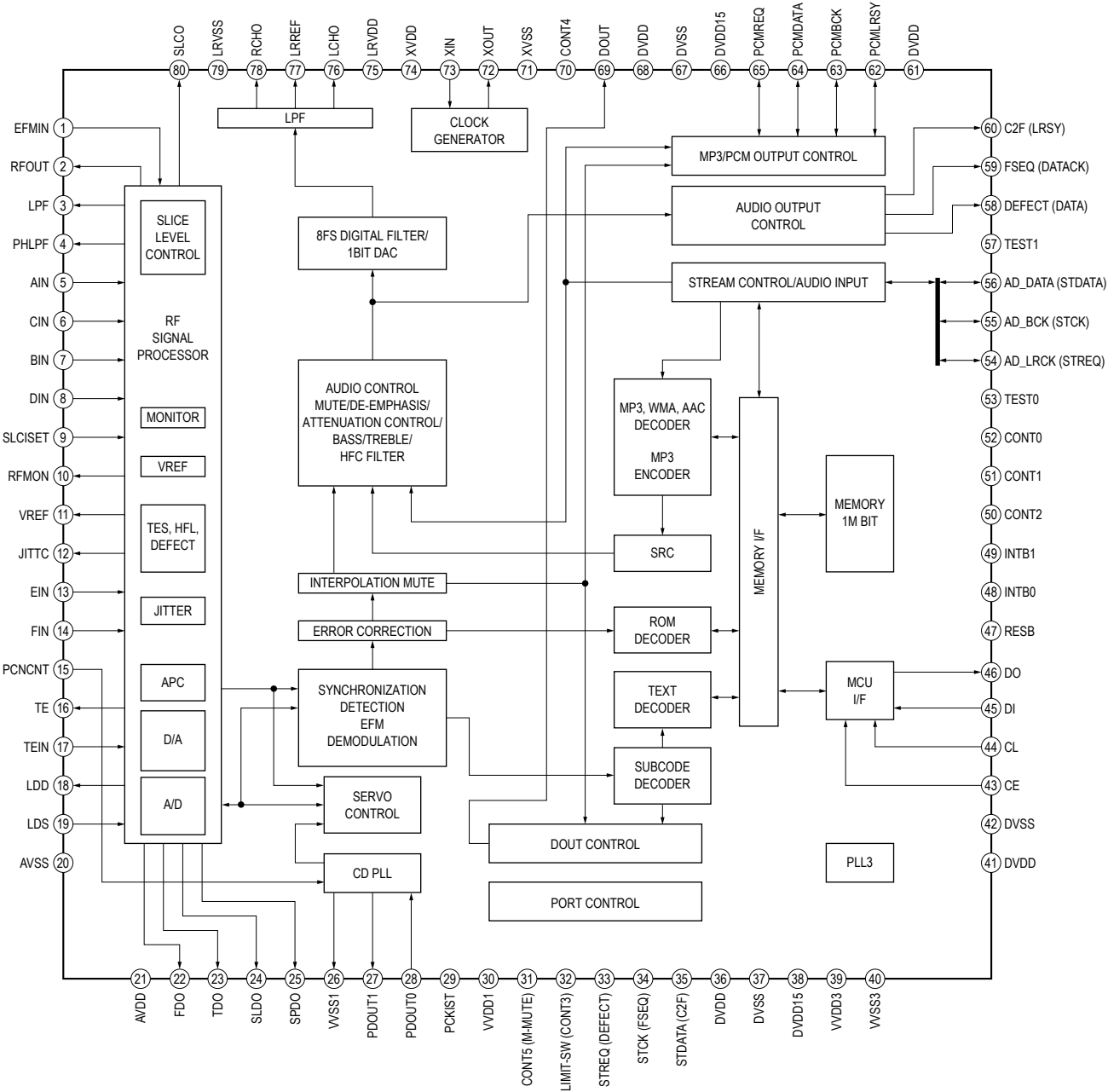


– MAIN Board –

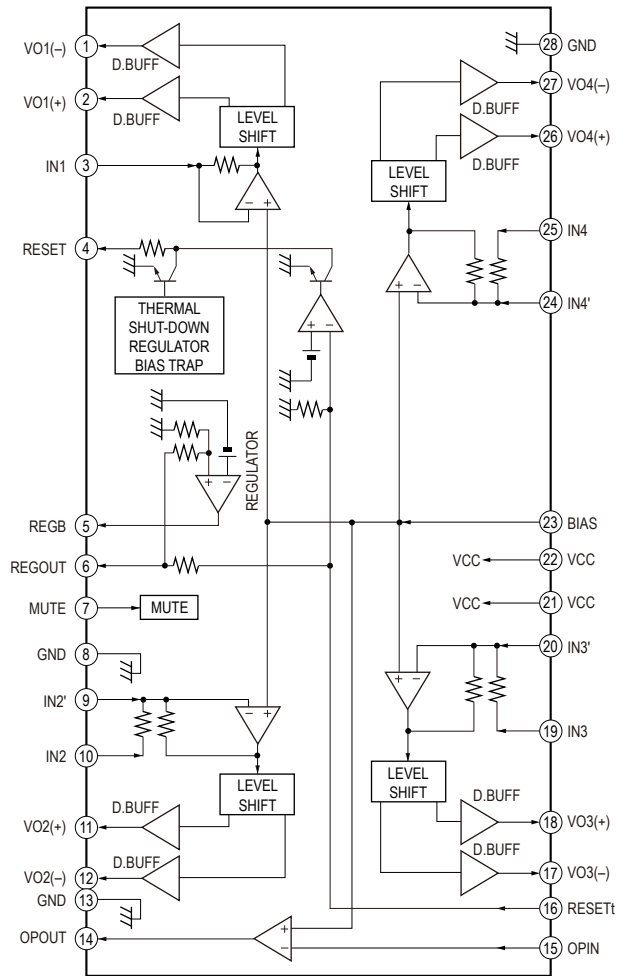


• IC Block Diagrams

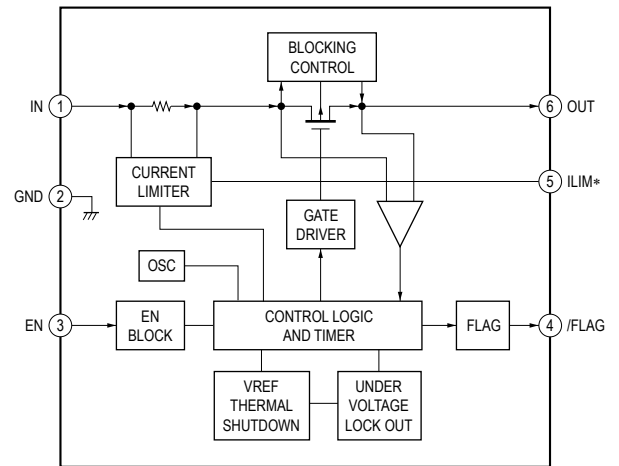
– CD Board –
IC701 LC786950T-US-H



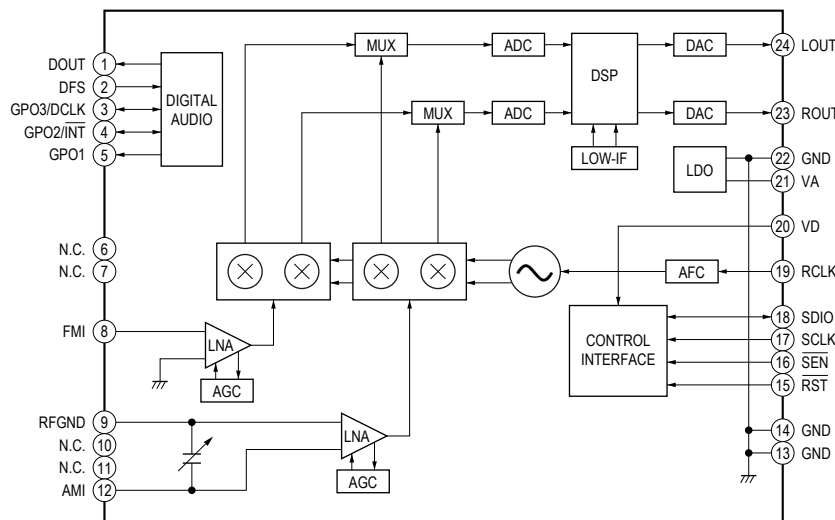
IC703 BA5826HFP-E2



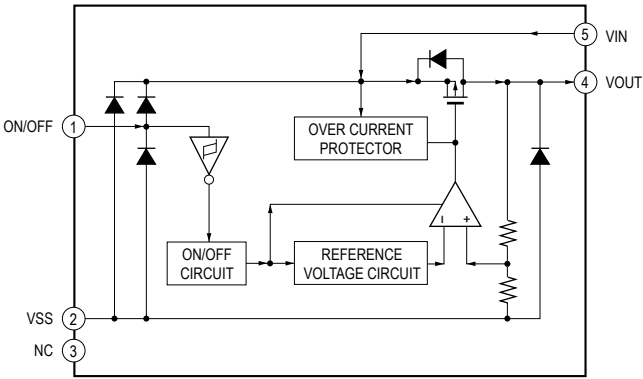
IC704 NCP380HSNAJAAT1G



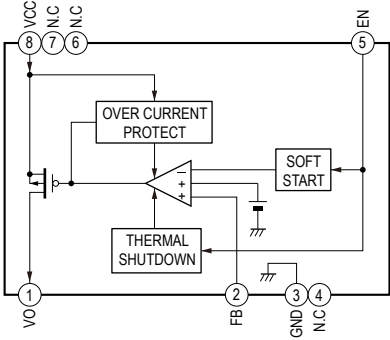
- TUNER Board -
IC1 SI4730-D60-GUR



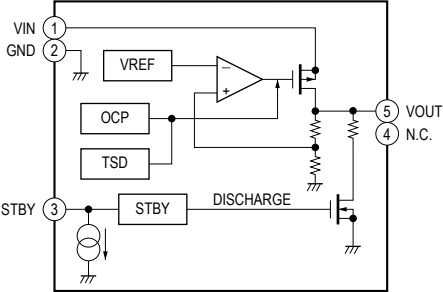
IC905 S-T111B33MC-OGSTFG



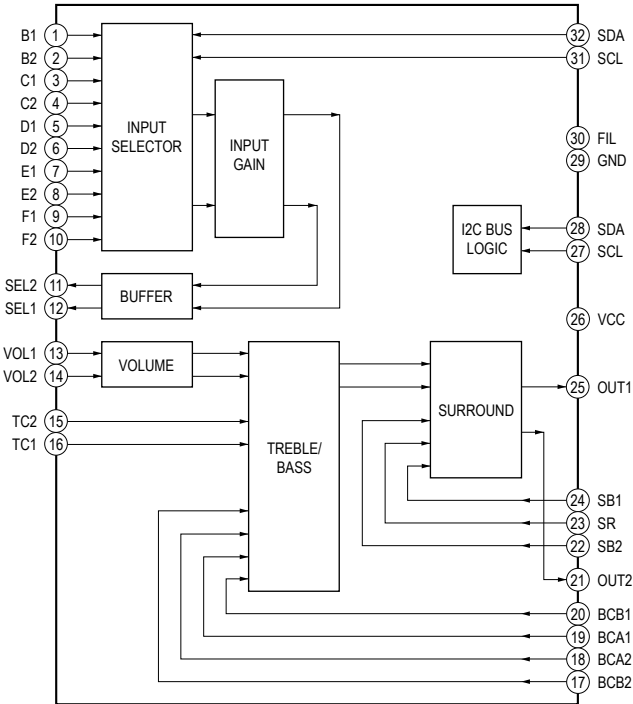
– DAB Board –
IC905 BD33HA3WEFJ-E2



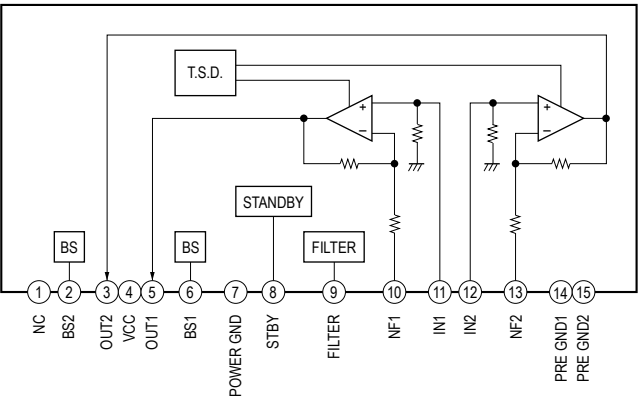
IC906 BU12TD3WG-TR



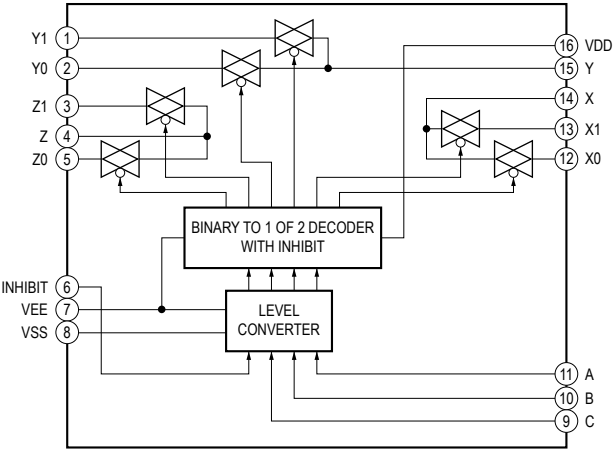
– MAIN Board –
IC302 BD3491FS-SE2



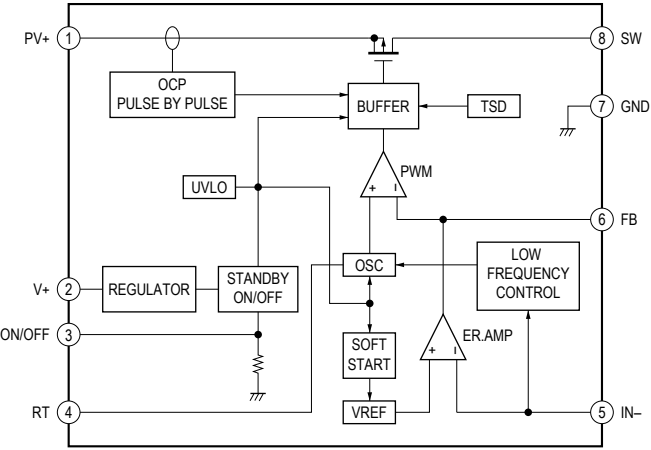
IC304 BA5417



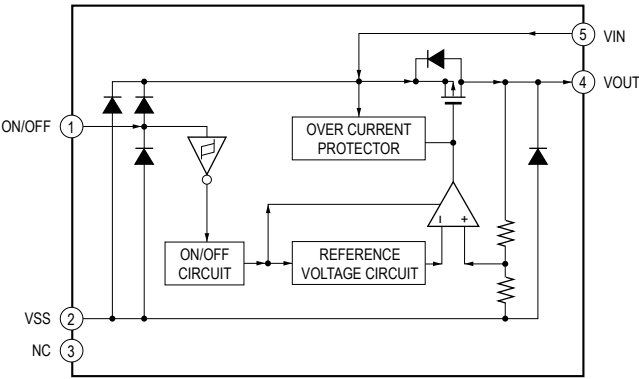
IC401 BU4053BCF-E2



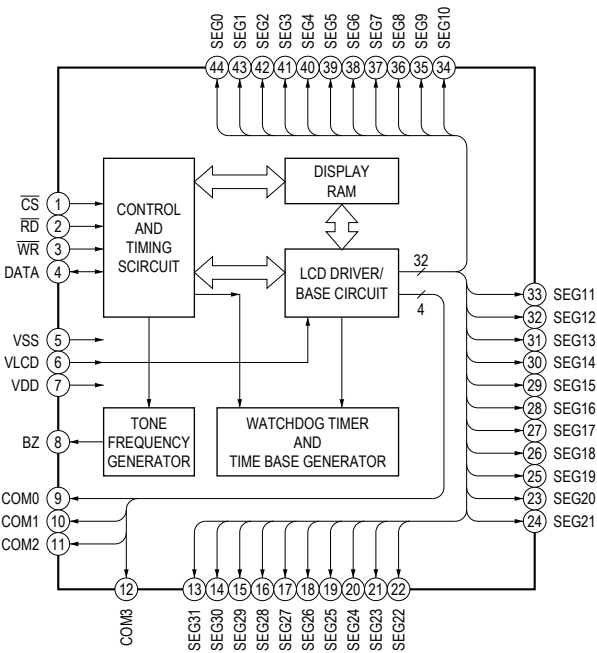
IC901 NJW4152GM1-A (TE2)



IC904 S-T111B33MC-OGSTFG



– KEY A Board –
IC601 HT1621



• IC Pin Function Description

CD BOARD IC702 LC87F1JJ2AU-SQFP-H (USB CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	P73	-	Not used
2	RES	I	Reset signal input from the system controller "L": reset
3	XT1	I	Sub system clock input terminal Fixed at "H" in this unit
4	XT2	O	Sub system clock output terminal Not used
5	VSS1	-	Ground terminal
6	CF1	I	Main system clock input terminal (12 MHz)
7	CF2	O	Main system clock output terminal (12 MHz)
8	VDD1	-	Power supply terminal (+3.3V)
9	SO	O	Serial data output to the CD-MP3 processor
10	SI	I	Serial data input from the CD-MP3 processor
11	SCK	I/O	Serial data transfer clock signal input from the system controller Serial data transfer clock signal output to the CD-MP3 processor
12 to 14	P13 to P15	-	Not used
15	CE	I	Chip enable signal input from the system controller
16	P17	-	Not used
17	PWM1/MCLKI	I	Not used
18	PWM0/MCLKO	O	Not used
19	VDD2	-	Power supply terminal (+3.3V)
20	VSS2	-	Ground terminal
21, 22	P00, P01	-	Not used
23 to 25	DBGP0 to DBGP2	I/O	Debug terminal
26	SDAT	I	Audio data input from the CD-MP3 processor
27	BCLK	I	Bit clock signal input from the CD-MP3 processor
28	LRCK	I	L/R sampling clock signal input from the CD-MP3 processor
29, 30	P20, P21	-	Not used
31	STDATAO	O	Stream data output to the CD-MP3 processor
32	PCMREQ	O	Audio data request signal output to the CD-MP3 processor
33	STCKO	O	Stream data transfer clock signal output to the CD-MP3 processor
34 to 36	P25 to P27	-	Not used
37	UHD-	I/O	Two-way USB data (-) bus with the USB connector
38	UHD+	I/O	Two-way USB data (+) bus with the USB connector
39	VDD3	-	Power supply terminal (+3.3V)
40	VSS3	-	Ground terminal
41	UFILT	-	PLL filter circuit connection terminal for USB interface
42	AFILT	-	PLL filter circuit connection terminal for audio interface Not used
43	P32	-	Not used
44	URX1	I	Serial data input from the system controller
45	UTX1	O	Serial data output to the system controller
46	STREQ0	I	Stream data request signal input from the CD-MP3 processor
47	USB-SLEEP	I	Sleep signal input from the system controller
48	P72	-	Not used

MAIN BOARD IC801 LC87F7NJ2AVUEJ-2H (SYSTEM CONTROLLER) (RS70BT)

Pin No.	Pin Name	I/O	Description
1	O-USB RES	O	Reset signal output to the USB controller "L": reset
2	M-MUTE	O	Muting on/off control signal output to the coil/motor drive "L": muting on
3	O-CD DO	O	Serial data output to the CD-MP3 processor
4	I-CD DI	I	Serial data input from the CD-MP3 processor
5	O-CD CLK	O	Serial data transfer clock signal output to the CD-MP3 processor and system controller
6	O-CD RES	O	Reset signal output to the CD-MP3 processor "L": reset
7	O-CD CE	O	Chip enable signal output to the CD-MP3 processor and system controller
8, 9	NC	O	Not used
10	O-BUZZER	O	Buzzer sound output terminal
11	I-RES	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it change to "H"
12	NC	I	Not used
13	I-REG9.0V-CHK	I	+9V power supply voltage detection signal input terminal
14	VSS1	-	Ground terminal
15	CF1	I	System clock input terminal (10 MHz)
16	CF2	O	System clock output terminal (10 MHz)
17	VDD1	-	Power supply terminal (+3.3V)
18, 19	O-CLOCK SHIFT1, O-CLOCK SHIFT2	O	Clock shift signal output terminal
20	AU-LEVEL DET	I	Audio level detection signal input from audio level detect IC
21	I-REG3.3V-CHK	I	CD section +3.3V power supply voltage detection signal input terminal
22	I-REG6.0V-CHK	I	+6V regulator output power supply voltage detection signal input terminal
23 to 25	I-KEY0 to I-KEY2	I	Front panel key input terminal (A/D input)
26	I-NFC	I	Interrupt signal input from the RC-S711 (NFC)
27	I-AC CHK	I	AC/DC input detection signal input terminal "L": AC, "H": DC
28	I-WAKE UP	I	Key wake-up signal input terminal
29	I-TU-INT	I	Interrupt signal input from the FM/AM receiver
30	O-BT-ON	O	Power supply on/off control signal output terminal for Bluetooth section "H": power on
31	AMP ON	O	Power supply on/off control signal output terminal for power amplifier "H": power on
32 to 34	NC	O	Not used
35	O-LED-W-C	O	LED drive adjustment signal output terminal for illumination (white) indicator
36, 37	O-LED-RED1, O-LED-RED2	O	LED brightness control signal output terminal for illumination (red) indicator
38	O-LED-SW	O	LED drive signal output terminal for illumination (red) indicator "H": LED on
39	O-A MUTE	O	Audio muting on/off control signal output terminal "H": muting on
40	O-POWER	O	Main power supply on/off control signal output terminal "H": power on
41	NC	O	Not used
42	O-5V-ON	O	Power supply on/off control signal output terminal for CD and USB section "H": power on
43	O-TU-ON	O	Power supply on/off control signal output terminal for tuner section "H": power on
44	I-AUDIO IN-CHK	I	AUDIO IN detection signal input terminal Not used
45	I-CD LID	I	CD lid open/close detection signal input terminal "L": CD lid is closed, "H": CD lid is opened
46	O-RA-RESET	O	Reset signal output to the FM/AM receiver "L": reset
47	O-LCD-DATA	O	Serial data output to the liquid crystal display driver
48	O-LCD-WR	O	Write clock signal output to the liquid crystal display driver
49	O-LCD-CS	O	Chip select signal output to the liquid crystal display driver
50 to 53	I-SUFFIX1 to I-SUFFIX4	I	Destination setting terminal
54	VDD2	-	Power supply terminal (+3.3V)
55	VSS2	-	Ground terminal
56	O-IIC CLK	O	Serial data transfer clock signal output to the EEPROM
57	NC	O	Not used
58	O-IIC-DATA	I/O	Two-way serial data with the EEPROM
59	NC	O	Not used
60	O-TU-DATA	I/O	Two-way serial data with the FM/AM receiver
61	NC	O	Not used
62	O-TU-CLK	O	Serial data transfer clock signal output to the FM/AM receiver
63, 64	NC	O	Not used
65	O-VOL-DATA	I/O	Two-way serial data with the electrical volume
66	O-VOL-CLK	O	Serial data transfer clock signal output to the electrical volume

ZS-RS70BT/RS70BTB

Pin No.	Pin Name	I/O	Description
67 to 74	NC	O	Not used
75	O-BT RESET	O	Reset signal output to the Bluetooth module "L": reset
76	I-BT-MUTE	I	Muting on/off control signal input from the Bluetooth module "L": muting on
77	I-BT-RTS	I	Request to send signal input from the Bluetooth module
78	O-BT-CTS	O	Clear to send signal output to the Bluetooth module
79	NC	O	Not used
80 to 86	NC	I	Not used
87	O-LED-W	O	LED drive signal output terminal for illumination (white) indicator "H": LED on
88	O-LED-B	O	LED drive signal output terminal for illumination (blue) indicator "H": LED on
89	VSS3	-	Ground terminal
90	VDD3	-	Power supply terminal (+3.3V)
91	USB-TXD	O	Serial data output to the USB controller
92	USB-RXD	I	Serial data input from the USB controller
93	BT-TXD	O	Serial data output to the Bluetooth module
94	BT-RXD	I	Serial data input from the Bluetooth module
95 to 97	DBGP0 to DBGP2	I/O	Debug terminal
98	I-SW FLG	I	VBUS power supply fault signal input terminal
99	O-SW EN	O	VBUS power supply on/off control signal output terminal "H": power on
100	O-USB SLEEP	O	Sleep signal output to the USB controller

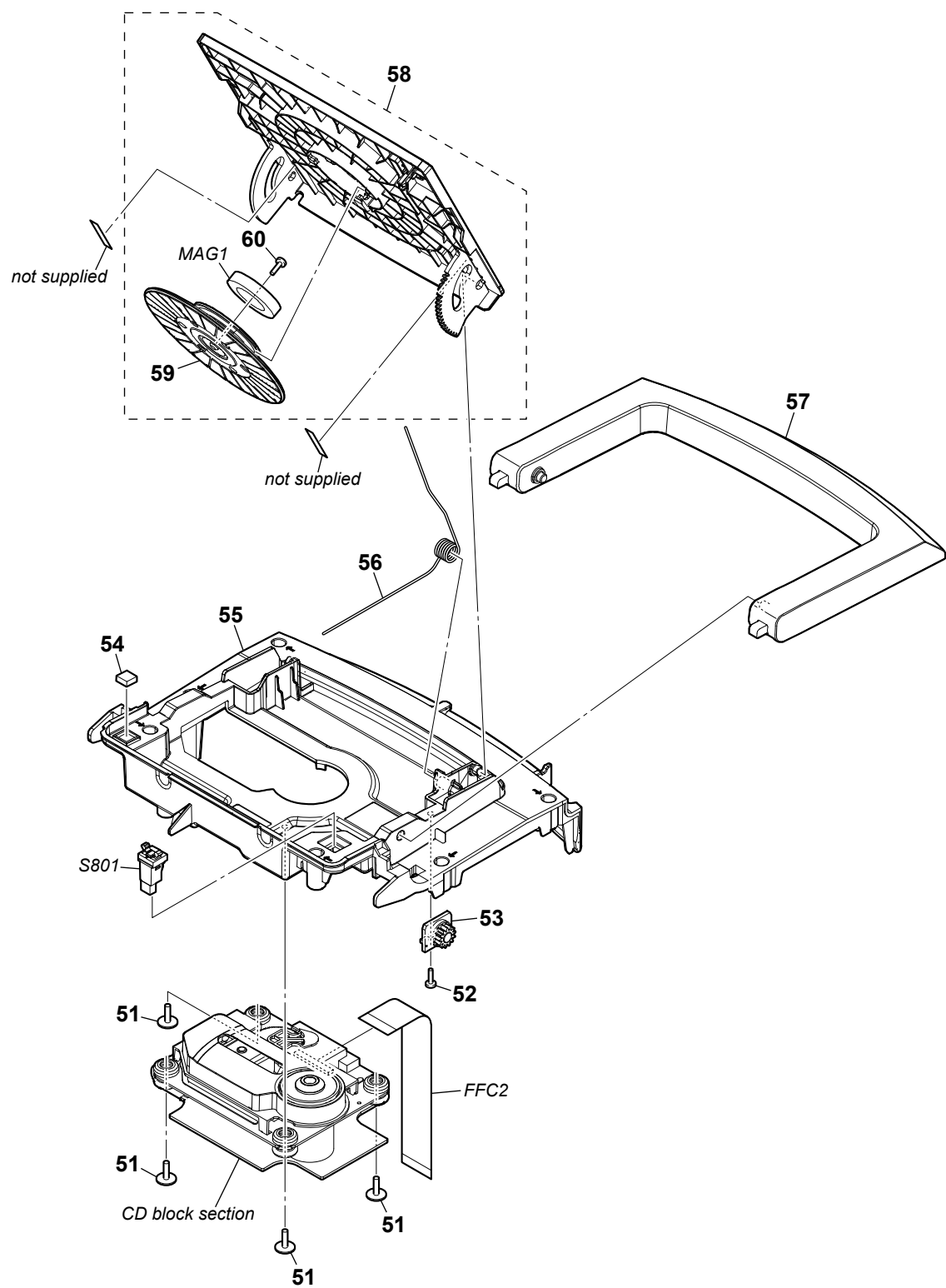
MAIN BOARD IC801 LC87F7NP6AVUEJ-2H (SYSTEM CONTROLLER) (RS70BTB)

Pin No.	Pin Name	I/O	Description
1	O-USB RES	O	Reset signal output to the USB controller "L": reset
2	M-MUTE	O	Muting on/off control signal output to the coil/motor drive "L": muting on
3	O-CD DO	O	Serial data output to the CD-MP3 processor
4	I-CD DI	I	Serial data input from the CD-MP3 processor
5	O-CD CLK	O	Serial data transfer clock signal output to the CD-MP3 processor and system controller
6	O-CD RES	O	Reset signal output to the CD-MP3 processor "L": reset
7	O-CD CE	O	Chip enable signal output to the CD-MP3 processor and system controller
8, 9	NC	O	Not used
10	O-BUZZER	O	Buzzer sound output terminal
11	I-RES	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it change to "H"
12	NC	I	Not used
13	I-REG9.0V-CHK	I	+9V power supply voltage detection signal input terminal
14	VSS1	-	Ground terminal
15	CF1	I	System clock input terminal (10 MHz)
16	CF2	O	System clock output terminal (10 MHz)
17	VDD1	-	Power supply terminal (+3.3V)
18, 19	O-CLOCK SHIFT1, O-CLOCK SHIFT2	O	Clock shift signal output terminal
20	AU-LEVEL DET	I	Audio level detection signal input from audio level detect IC
21	I-REG3.3V-CHK	I	CD section +3.3V power supply voltage detection signal input terminal
22	I-REG6.0V-CHK	I	+6V regulator output power supply voltage detection signal input terminal
23 to 25	I-KEY0 to I-KEY2	I	Front panel key input terminal (A/D input)
26	I-NFC	I	Interrupt signal input from the RC-S711 (NFC)
27	I-AC CHK	I	AC/DC input detection signal input terminal "L": AC, "H": DC
28	I-WAKE UP	I	Key wake-up signal input terminal
29	NC	I	Not used
30	O-BT-ON	O	Power supply on/off control signal output terminal for Bluetooth section "H": power on
31	AMP ON	O	Power supply on/off control signal output terminal for power amplifier "H": power on
32 to 34	NC	O	Not used
35	O-LED-W-C	O	LED drive adjustment signal output terminal for illumination (white) indicator
36, 37	O-LED-RED1, O-LED-RED2	O	LED brightness control signal output terminal for illumination (red) indicator
38	O-LED-SW	O	LED drive signal output terminal for illumination (red) indicator "H": LED on
39	O-A MUTE	O	Audio muting on/off control signal output terminal "H": muting on
40	O-POWER	O	Main power supply on/off control signal output terminal "H": power on
41	NC	O	Not used
42	O-5V-ON	O	Power supply on/off control signal output terminal for CD and USB section "H": power on
43	O-DAB-ON	O	Power supply on/off control signal output terminal for DAB section "H": power on
44	I-AUDIO IN-CHK	I	AUDIO IN detection signal input from audio input detect IC "L": no signal, "H": signal in
45	I-CD LID	I	CD lid open/close detection signal input terminal "L": CD lid is closed, "H": CD lid is opened
46	O-RA-RESET	O	Reset signal output to the FM/AM receiver "L": reset
47	O-LCD-DATA	O	Serial data output to the liquid crystal display driver
48	O-LCD-WR	O	Write clock signal output to the liquid crystal display driver
49	O-LCD-CS	O	Chip select signal output to the liquid crystal display driver
50 to 53	I-SUFFIX1 to I-SUFFIX4	I	Destination setting terminal
54	VDD2	-	Power supply terminal (+3.3V)
55	VSS2	-	Ground terminal
56	O-IIC CLK	O	Serial data transfer clock signal output to the EEPROM
57	NC	O	Not used
58	O-IIC-DATA	I/O	Two-way serial data with the EEPROM
59	NC	O	Not used
60	NC	I/O	Not used
61 to 64	NC	O	Not used
65	O-VOL-DATA	I/O	Two-way serial data with the electrical volume
66	O-VOL-CLK	O	Serial data transfer clock signal output to the electrical volume
67 to 74	NC	O	Not used
75	O-BT RESET	O	Reset signal output to the Bluetooth module "L": reset

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Pin No.	Pin Name	I/O	Description
76	I-BT-MUTE	I	Muting on/off control signal input from the Bluetooth module “L”: muting on
77	I-BT-RTS	I	Request to send signal input from the Bluetooth module
78	O-BT-CTS	O	Clear to send signal output to the Bluetooth module
79	O-UART-SW	O	Serial data selection signal output to the data selector “L”: DAB, “H”: Bluetooth
80 to 86	NC	I	Not used
87	O-LED-W	O	LED drive signal output terminal for illumination (white) indicator “H”: LED on
88	O-LED-B	O	LED drive signal output terminal for illumination (blue) indicator “H”: LED on
89	VSS3	-	Ground terminal
90	VDD3	-	Power supply terminal (+3.3V)
91	USB-TXD	O	Serial data output to the USB controller
92	USB-RXD	I	Serial data input from the USB controller
93	DAB (BT) -TXD	O	Serial data output to the Bluetooth module and DAB module
94	DAB (BT) -RXD	I	Serial data input from the Bluetooth module and DAB module
95 to 97	DBGP0 to DBG P2	I/O	Debug terminal
98	I-SW FLG	I	VBUS power supply fault signal input terminal
99	O-SW EN	O	VBUS power supply on/off control signal output terminal “H”: power on
100	O-USB SLEEP	O	Sleep signal output to the USB controller

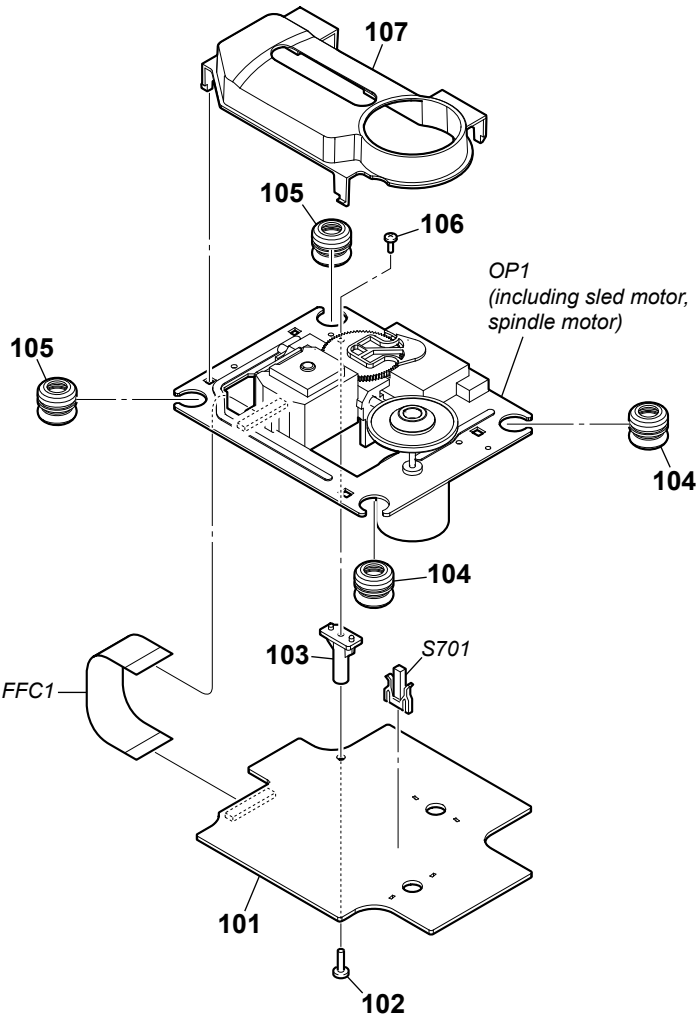
6-2. CABINET (UPPER) SECTION



Ref. No.	Part No.	Description	Remark
51	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
52	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
53	3-047-468-71	DAMPER	
54	4-167-417-01	FOOT (FRONT), RUBBER	
55	4-465-244-01	CABINET (UPPER)	
56	4-465-304-01	SPRING (CD)	
57	4-465-253-01	HANDLE	

Ref. No.	Part No.	Description	Remark
58	A-1956-123-A	LID, CD ASSY	
59	4-167-391-02	PLATE, CHUCKING	
60	3-253-143-01	SCREW (B2.6), (+) P TAPPING	
FFC2	1-832-646-11	CABLE, FLEXIBLE FLAT (27 CORE)	
MAG1	1-452-899-11	MAGNET	
S801	1-692-960-11	SWITCH, PUSH (1 KEY) (CD LID OPEN/CLOSE DETECT)	

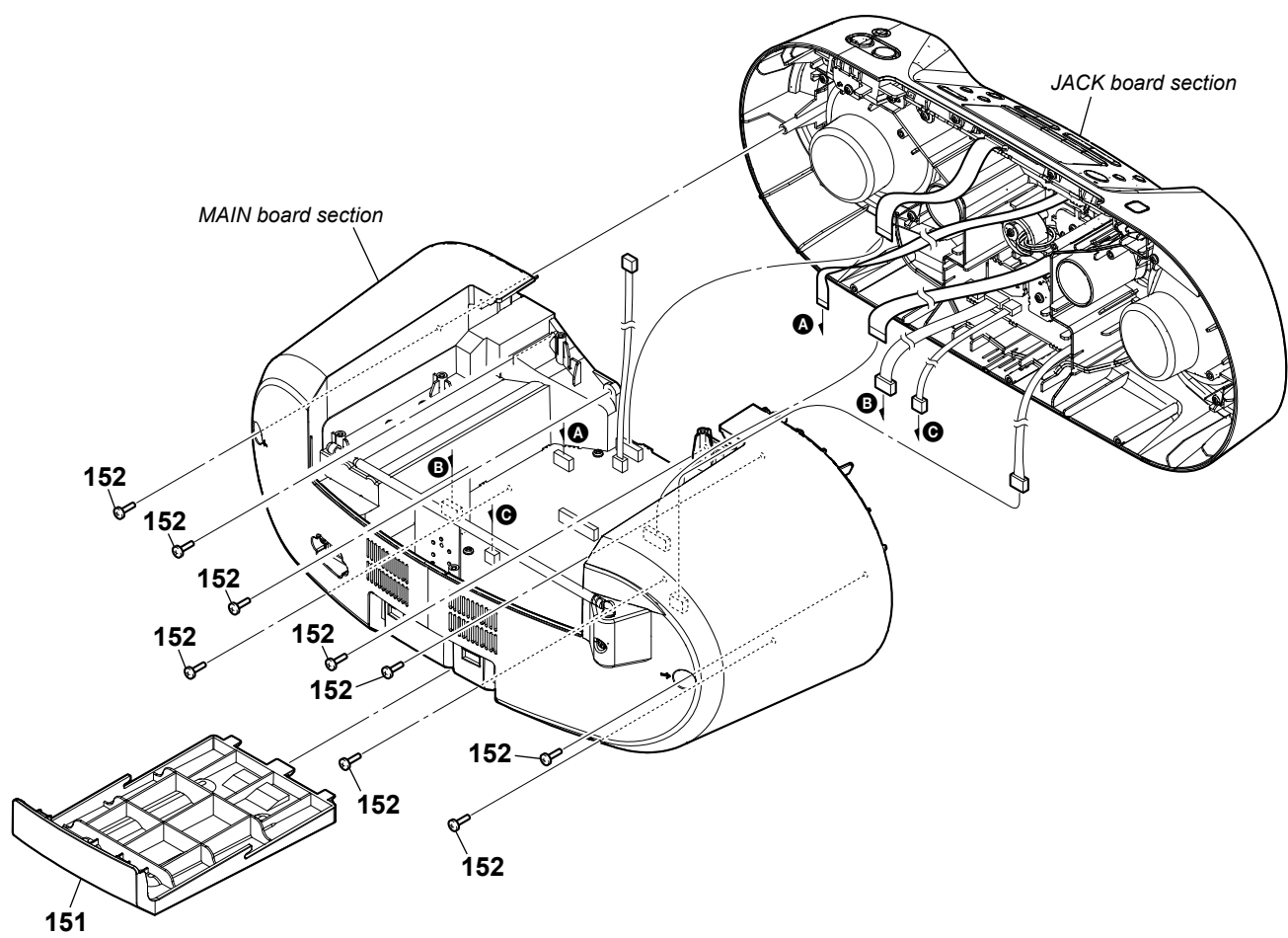
6-3. CD BLOCK SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-1954-886-A	CD BOARD, COMPLETE		107	4-196-587-02	COVER, CD	
102	3-254-151-01	SCREW (B2.6), (+) P TAPPING		FFC1	1-832-404-21	CABLE, FLEXIBLE FLAT (16 CORE)	
103	4-166-292-01	SHAFT (SUPPORT)		△ OP1	1-856-515-11	OPTICAL PICK-UP (EM101 RNSZS) (Including sled motor, spindle motor)	
104	3-931-379-31	RUBBER, VIBRATION PROOF (GREEN)		S701	1-572-085-21	SWITCH, LEAF (LIMIT)	
105	3-931-379-21	RUBBER, VIBRATION PROOF (RED)					
106	3-080-204-31	SCREW, TAPPING, P2					

6-4. BATTERY LID SECTION

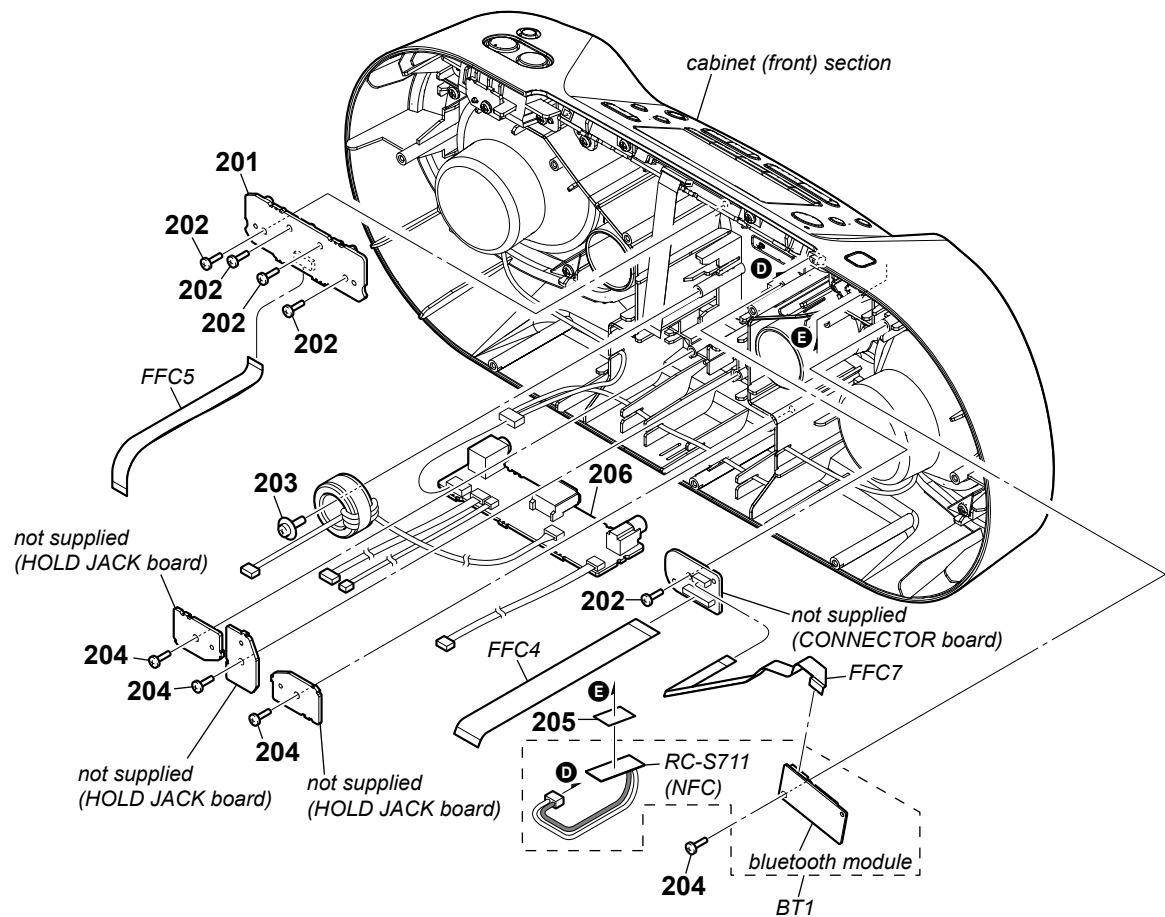
- Rear view



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-465-251-01	LID, BATTERY		152	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	

6-5. JACK BOARD SECTION

- Rear view

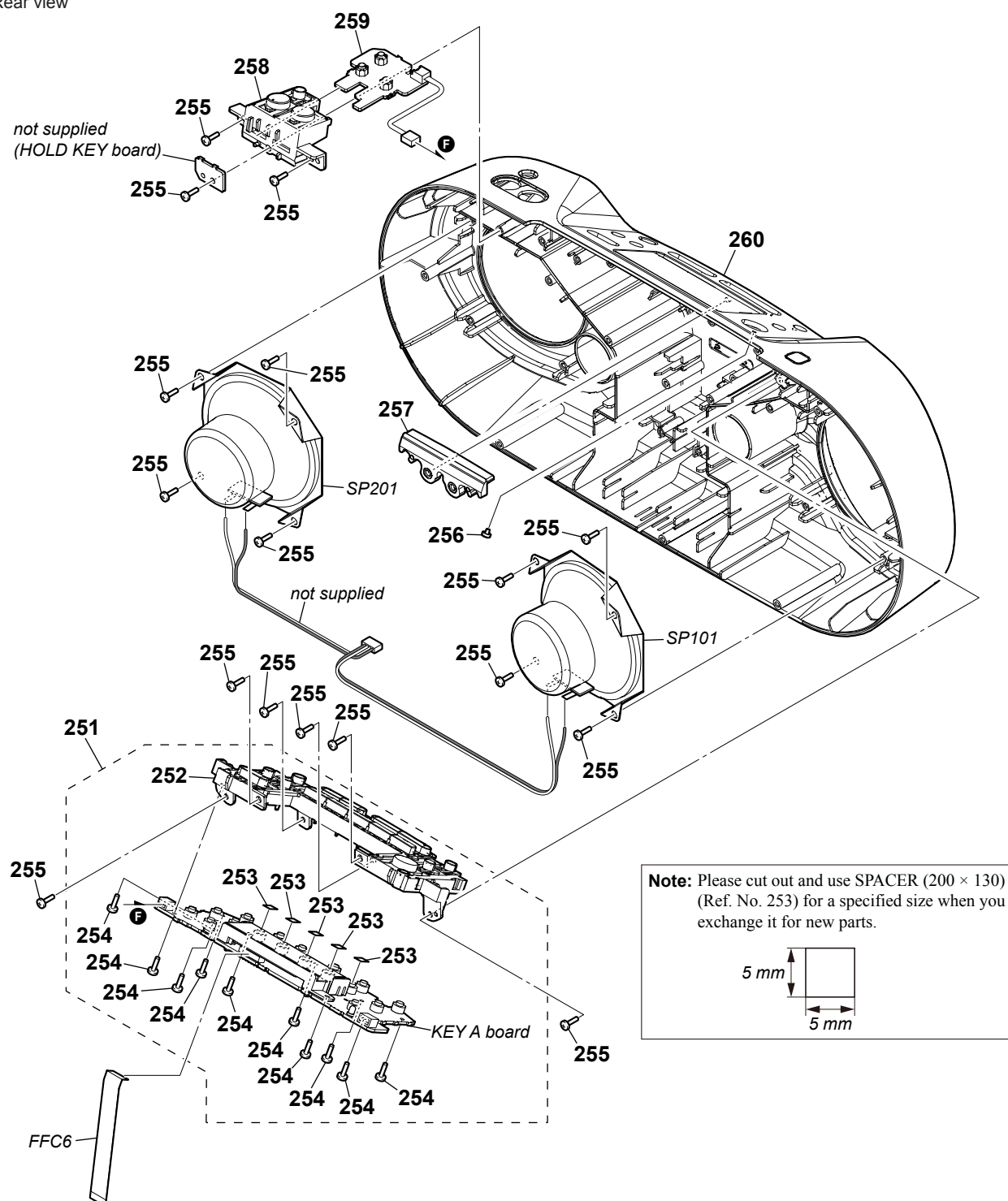


Note: When Bluetooth module is replaced, refer to “NOTE OF REPLACING THE Bluetooth MODULE OR RC-S711 (NFC)” on page 5.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	A-1954-719-A	LED (NFC) BOARD, COMPLETE (RS70BTB)		206	A-1954-724-A	JACK BOARD, COMPLETE (RS70BT)	
201	A-1954-720-A	LED (NFC) BOARD, COMPLETE (RS70BT)		BT1	X-2587-968-1	BLUETOOTH MODULE SUB ASSY (Including Bluetooth module, NFC) (See Note)	
202	3-254-151-01	SCREW (B2.6), (+) P TAPPING		FFC4	1-846-837-21	CABLE, FLEXIBLE FLAT (14 CORE)	
203	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING		FFC5	1-839-492-21	CABLE, FLEXIBLE FLAT (8 CORE)	
204	3-252-827-01	SCREW (B2.6), (+) BV TAPPING		FFC7	1-846-838-11	CABLE, FLEXIBLE FLAT (14P)	
205	4-439-730-01	SHEET (NFC), ADHESIVE					
206	A-1954-723-A	JACK BOARD, COMPLETE (RS70BTB)					

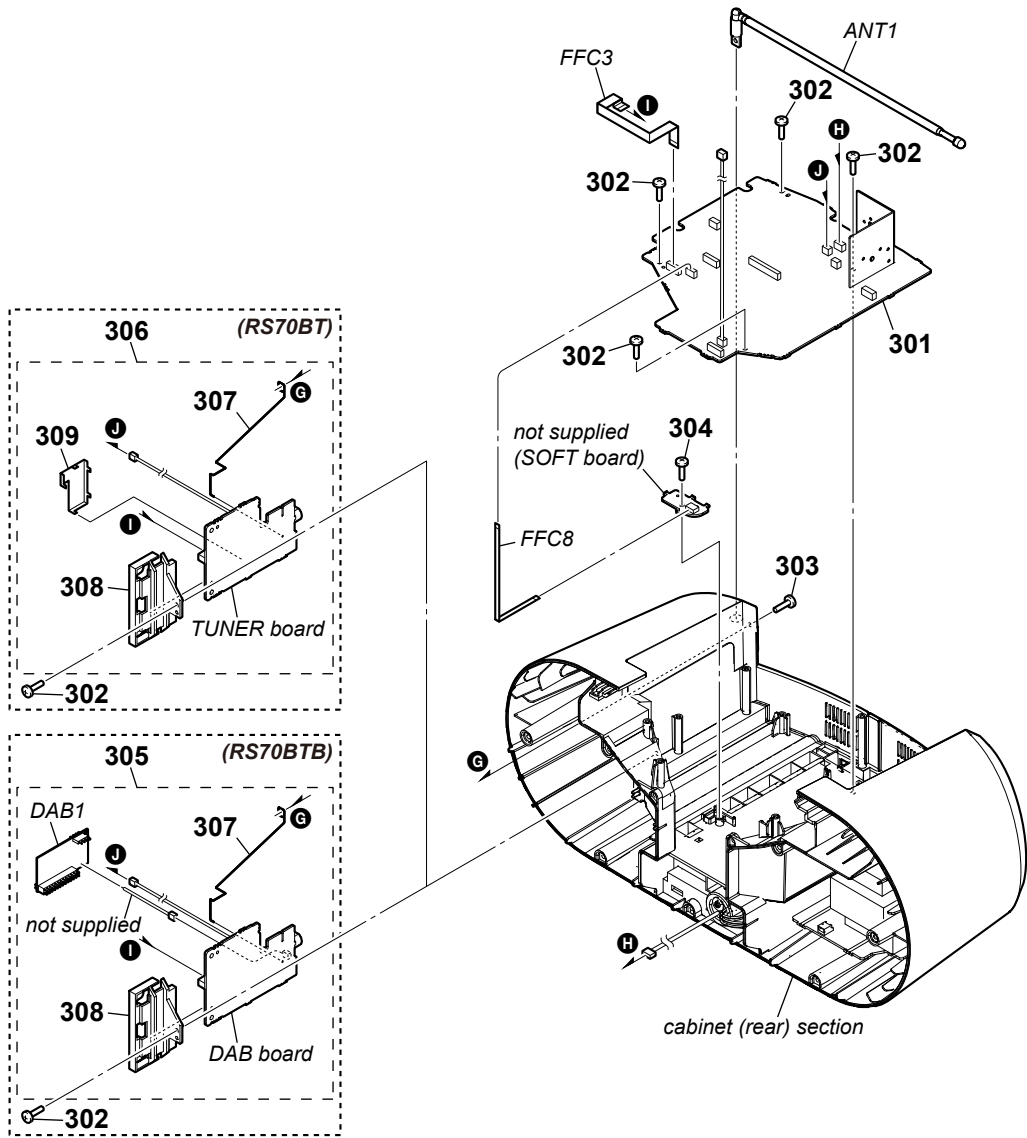
6-6. CABINET (FRONT) SECTION

• Rear view



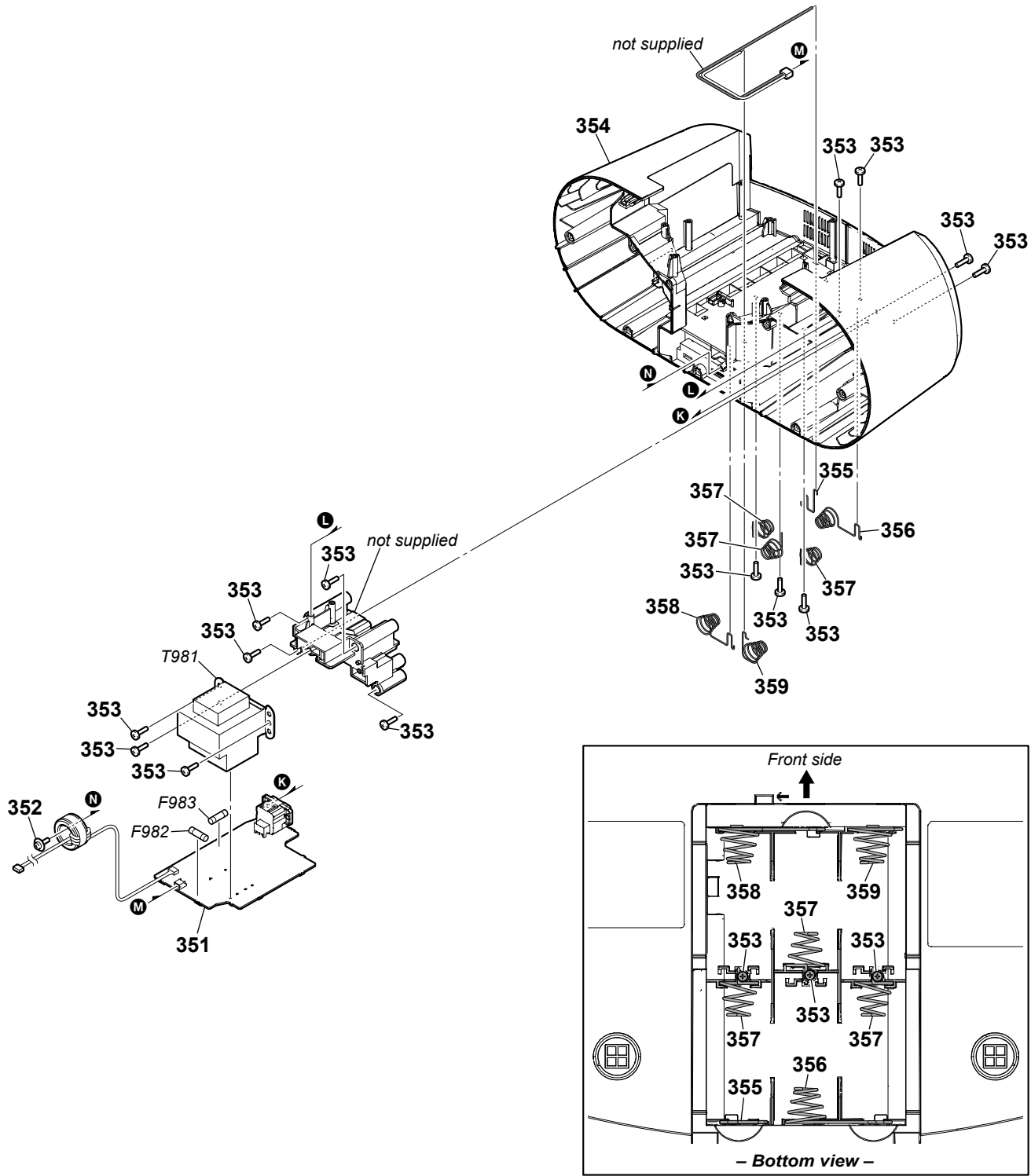
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	A-1954-562-A	BUTTON (MAIN) ASSY (Including KEY A board) (RS70BTB)		255	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
251	A-1954-564-A	BUTTON (MAIN) ASSY (Including KEY A board) (RS70BT)		256	4-465-250-01	INDICATOR (POWER)	
252	4-465-245-01	BUTTON (MAIN) (POWER, -, +, CD, USB, BLUETOOTH, RADIO FM/AM, AUDIO IN, ►, ■, ◀, ▶) (RS70BT)		257	4-465-249-01	INDICATOR (BT)	
252	4-465-245-21	BUTTON (MAIN) (OPERATE, -, +, CD, USB, BLUETOOTH, RADIO DAB/FM, AUDIO IN, ►, ■, ◀, ▶) (RS70BTB)		258	4-465-246-01	BUTTON (VOL) (-, +)	
253	3-831-441-99	SPACER (200X130) (See Note)		259	A-1954-721-A	KEY (VOL) BOARD, COMPLETE (RS70BTB)	
254	3-254-070-01	SCREW		259	A-1954-722-A	KEY (VOL) BOARD, COMPLETE (RS70BT)	
				260	X-2587-966-1	CABINET (FRONT) SUB ASSY (RS70BT)	
				260	X-2587-967-1	CABINET (FRONT) SUB ASSY (RS70BTB)	
				FFC6	1-846-966-11	FLEXIBLE FLAT CABLE (11P)	
				SP101	1-858-925-11	LOUDSPEAKER (7.7 cm) (L-ch)	
				SP201	1-858-925-11	LOUDSPEAKER (7.7 cm) (R-ch)	

6-7. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	A-1954-879-A	MAIN BOARD, COMPLETE (RS70BTB)		307	4-465-303-01	SPRING, ANTENNA	
301	A-1954-881-A	MAIN BOARD, COMPLETE (RS70BT: E41)		308	3-249-551-02	HOLDER (PWB TU)	
301	A-1954-883-A	MAIN BOARD, COMPLETE (RS70BT: MX)		309	4-281-472-01	SHIELD (PLATE) (RS70BT)	
301	A-1954-884-A	MAIN BOARD, COMPLETE (RS70BT: E92)		ANT1	1-754-826-11	ANTENNA, TELESCOPIC	
302	3-252-827-01	SCREW (B2.6), (+) BV TAPPING		DAB1	1-492-516-11	MODULE (DAB TUNER) (RS70BTB)	
				FFC3	1-832-565-21	CABLE, FLEXIBLE FLAT (11 CORE) (RS70BT)	
303	3-252-833-01	SCREW (M3), (+) P		FFC3	1-846-967-11	FLEXIBLE FLAT CABLE (11P) (RS70BTB)	
304	3-253-143-01	SCREW (B2.6), (+) P TAPPING		FFC8	1-832-535-21	CABLE, FLEXIBLE FLAT (5 CORE)	
305	A-1954-877-A	DAB BOARD, COMPLETE (RS70BTB)					
306	A-1954-875-A	TUNER BOARD, COMPLETE (RS70BT)					

6-8. CABINET (REAR) SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	A-1954-871-A	POWER BOARD, COMPLETE (RS70BTB)		356	4-173-526-02	TERMINAL (A (+, -)), BATTERY	
351	A-1954-872-A	POWER BOARD, COMPLETE (RS70BT: E41)		357	4-258-525-01	TERMINAL (+, -), BATTERY	
351	A-1954-873-A	POWER BOARD, COMPLETE (RS70BT: E92, MX)		358	4-173-527-02	TERMINAL (B (+, -)), BATTERY	
352	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING		359	4-167-412-02	TERMINAL (-), BATTERY	
353	3-252-827-01	SCREW (B2.6), (+) BV TAPPING		△ F982	1-532-465-33	FUSE (T 3.15 AL/250 V)	
354	4-465-243-01	CABINET (REAR) (MX)		△ F983	1-532-388-33	FUSE (T 2 AL/250 V)	
354	4-465-243-11	CABINET (REAR) (E41, AEP, UK)		△ T981	1-445-291-11	TRANSFORMER, POWER (E92, MX)	
354	4-465-243-21	CABINET (REAR) (E92)		△ T981	1-445-292-21	TRANSFORMER, POWER (E41, AEP, UK)	
355	4-167-411-01	TERMINAL (+), BATTERY					

SECTION 7 ELECTRICAL PARTS LIST

CD

Note:

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

- CAPACITORS
uF: μ F
uH: μ H
- COILS
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . . : μ A. . . , uPA. . . , μ PA. . . ,
uPB. . . : μ PB. . . , uPC. . . , μ PC. . . ,
uPD. . . : μ PD. . .
- Abbreviation
E41 : Bolivian, Chilean, Paraguayan, Peruvian and Uruguayan models
E92 : Venezuelan, Panamanian, Honduran, Guatemalan, Colombian, Costa Ri-ca, Dominican, Ecuadorean and El Salvador models

MX : Mexican model

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1954-886-A	CD BOARD, COMPLETE *****		C728	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
		< CAPACITOR >		C729	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C501	1-164-943-81	CERAMIC CHIP 0.01uF 10% 16V		C730	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C502	1-118-289-11	CERAMIC CHIP 0.1uF 10% 16V		C731	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C504	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C732	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C505	1-128-396-11	ELECT CHIP 470uF 20% 10V		C733	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C506	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C734	1-164-943-81	CERAMIC CHIP 0.01uF 10% 16V	
C507	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C735	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C510	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C736	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C511	1-112-717-91	CERAMIC CHIP 1uF 10% 6.3V		C737	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C512	1-128-394-11	ELECT CHIP 220uF 20% 10V		C738	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C514	1-164-941-11	CERAMIC CHIP 0.0047uF 10% 16V		C739	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C519	1-164-941-11	CERAMIC CHIP 0.0047uF 10% 16V		C740	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C523	1-164-858-11	CERAMIC CHIP 22PF 5% 50V		C741	1-128-394-11	ELECT CHIP 220uF 20% 10V	
C524	1-164-858-11	CERAMIC CHIP 22PF 5% 50V		C742	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C527	1-100-415-91	CERAMIC CHIP 0.47uF 10% 6.3V		C743	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C528	1-100-415-91	CERAMIC CHIP 0.47uF 10% 6.3V		C744	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C529	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V		C745	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C701	1-164-941-11	CERAMIC CHIP 0.0047uF 10% 16V		C746	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C702	1-164-943-81	CERAMIC CHIP 0.01uF 10% 16V		C747	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C703	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C748	1-128-995-21	ELECT CHIP 100uF 20% 10V	
C704	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C749	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C706	1-128-995-21	ELECT CHIP 100uF 20% 10V		C754	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C707	1-128-995-21	ELECT CHIP 100uF 20% 10V		C755	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C708	1-164-943-81	CERAMIC CHIP 0.01uF 10% 16V		C756	1-128-394-11	ELECT CHIP 220uF 20% 10V	
C709	1-164-940-11	CERAMIC CHIP 0.0033uF 10% 16V		C757	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C710	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C758	1-128-995-21	ELECT CHIP 100uF 20% 10V	
C711	1-164-943-81	CERAMIC CHIP 0.01uF 10% 16V		C759	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V	
C712	1-112-717-91	CERAMIC CHIP 1uF 10% 6.3V		C764	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C713	1-128-995-21	ELECT CHIP 100uF 20% 10V		C765	1-128-394-11	ELECT CHIP 220uF 20% 10V	
C714	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V		C766	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C715	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C768	1-164-943-81	CERAMIC CHIP 0.01uF 10% 16V	
C716	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C773	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C717	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C776	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C719	1-165-887-91	CERAMIC CHIP 0.22uF 10% 6.3V		C777	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C721	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V		C778	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C722	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C779	1-164-866-11	CERAMIC CHIP 47PF 5% 50V	
C723	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C781	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C724	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C782	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C725	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C783	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C726	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V		C784	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
C727	1-128-995-21	ELECT CHIP 100uF 20% 10V		C785	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
				C786	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
				C787	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	
				C788	1-164-858-11	CERAMIC CHIP 22PF 5% 50V	

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CD CONNECTOR

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark			
C789	1-164-858-11	CERAMIC CHIP	22PF	5%	50V	R736	1-216-864-11	SHORT CHIP	0			
C790	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V	R737	1-218-941-81	METAL CHIP	100	5%	1/16W	
C791	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V							
C792	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	R738	1-218-973-11	METAL CHIP	47K	5%	1/16W	
C794	1-126-601-11	ELECT CHIP	2.2uF	20%	50V	R740	1-218-941-81	METAL CHIP	100	5%	1/16W	
						R741	1-218-941-81	METAL CHIP	100	5%	1/16W	
C797	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	R742	1-218-941-81	METAL CHIP	100	5%	1/16W	
C798	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	R743	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
C799	1-164-858-11	CERAMIC CHIP	22PF	5%	50V							
		< CONNECTOR >				R744	1-218-953-11	METAL CHIP	1K	5%	1/16W	
						R745	1-218-990-81	SHORT CHIP	0			
CN701	1-770-425-51	CONNECTOR, FFC/FPC 16P				R746	1-218-953-11	METAL CHIP	1K	5%	1/16W	
CN702	1-784-835-51	CONNECTOR, FFC (LIF (NON-ZIF)) 27P				R747	1-218-941-81	METAL CHIP	100	5%	1/16W	
* CN703	1-750-005-11	PIN, CONNECTOR (PC BOARD) 4P				R748	1-218-941-81	METAL CHIP	100	5%	1/16W	
		< IC >										
						R749	1-218-990-81	SHORT CHIP	0			
IC701	6-713-623-01	IC LC786950T-US-H				R751	1-218-949-11	METAL CHIP	470	5%	1/16W	
IC702	6-714-801-01	IC LC87F1JJ2AU-SQFP-H				R752	1-218-941-81	METAL CHIP	100	5%	1/16W	
IC703	6-710-637-01	IC BA5826HFP-E2				R753	1-218-945-11	METAL CHIP	220	5%	1/16W	
IC704	6-717-848-01	IC NCP380HSNAJAAT1G				R754	1-218-953-11	METAL CHIP	1K	5%	1/16W	
		< COIL >										
L701	1-457-223-11	COMMON MODE CHOKE COIL				R757	1-216-864-11	SHORT CHIP	0			
		< TRANSISTOR >				R759	1-216-864-11	SHORT CHIP	0			
Q701	8-729-216-22	TRANSISTOR	2SA1162-G			R760	1-218-990-81	SHORT CHIP	0			
		< RESISTOR >				R763	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
						R764	1-218-941-81	METAL CHIP	100	5%	1/16W	
R501	1-218-971-11	METAL CHIP	33K	5%	1/16W	R765	1-218-949-11	METAL CHIP	470	5%	1/16W	
R502	1-218-941-81	METAL CHIP	100	5%	1/16W	R767	1-218-941-81	METAL CHIP	100	5%	1/16W	
R503	1-218-966-11	METAL CHIP	12K	5%	1/16W	R768	1-218-941-81	METAL CHIP	100	5%	1/16W	
R505	1-218-962-11	METAL CHIP	5.6K	5%	1/16W	R769	1-218-941-81	METAL CHIP	100	5%	1/16W	
R507	1-218-962-11	METAL CHIP	5.6K	5%	1/16W	R770	1-218-941-81	METAL CHIP	100	5%	1/16W	
R509	1-218-965-11	METAL CHIP	10K	5%	1/16W	R771	1-218-941-81	METAL CHIP	100	5%	1/16W	
R511	1-218-965-11	METAL CHIP	10K	5%	1/16W	R772	1-218-941-81	METAL CHIP	100	5%	1/16W	
R513	1-218-977-11	METAL CHIP	100K	5%	1/16W	R773	1-218-941-81	METAL CHIP	100	5%	1/16W	
R514	1-218-945-11	METAL CHIP	220	5%	1/16W	R774	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R515	1-218-965-11	METAL CHIP	10K	5%	1/16W	R775	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R518	1-218-945-11	METAL CHIP	220	5%	1/16W	R776	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R528	1-218-953-11	METAL CHIP	1K	5%	1/16W	R777	1-218-941-81	METAL CHIP	100	5%	1/16W	
R529	1-218-953-11	METAL CHIP	1K	5%	1/16W	R778	1-218-941-81	METAL CHIP	100	5%	1/16W	
R530	1-218-953-11	METAL CHIP	1K	5%	1/16W	R779	1-218-949-11	METAL CHIP	470	5%	1/16W	
R531	1-218-953-11	METAL CHIP	1K	5%	1/16W	R780	1-218-941-81	METAL CHIP	100	5%	1/16W	
R532	1-218-953-11	METAL CHIP	1K	5%	1/16W	R781	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R533	1-216-789-11	METAL CHIP	2.2	5%	1/10W	R782	1-218-941-81	METAL CHIP	100	5%	1/16W	
R534	1-216-864-11	SHORT CHIP	0			R783	1-218-934-11	METAL CHIP	27	5%	1/16W	
R538	1-218-972-11	METAL CHIP	39K	5%	1/16W	R785	1-218-967-11	METAL CHIP	15K	5%	1/16W	
R701	1-218-947-11	METAL CHIP	330	5%	1/16W	R787	1-218-934-11	METAL CHIP	27	5%	1/16W	
R702	1-218-990-81	SHORT CHIP	0					< VIBRATOR >				
R704	1-218-965-11	METAL CHIP	10K	5%	1/16W							
R713	1-218-975-11	METAL CHIP	68K	5%	1/16W	X701	1-813-975-21	VIBRATOR, CERAMIC (16.9344 MHz)				
R715	1-216-864-11	SHORT CHIP	0			X702	1-813-934-11	VIBRATOR, CERAMIC (12 MHz)				
R717	1-218-953-11	METAL CHIP	1K	5%	1/16W	*****						
R719	1-218-953-11	METAL CHIP	1K	5%	1/16W			CONNECTOR BOARD				
R721	1-218-969-11	METAL CHIP	22K	5%	1/16W			*****				
R723	1-218-446-11	METAL CHIP	1	5%	1/10W			< CONNECTOR >				
R724	1-218-949-11	METAL CHIP	470	5%	1/16W							
R726	1-216-864-11	SHORT CHIP	0									
R728	1-218-951-11	METAL CHIP	680	5%	1/16W	CN606	1-784-373-51	CONNECTOR, FFC/FPC 14P				
R732	1-218-951-11	METAL CHIP	680	5%	1/16W	CN607	1-815-762-71	CONNECTOR, FFC/FPC 14P				
R733	1-218-975-11	METAL CHIP	68K	5%	1/16W	*****						

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
	A-1954-877-A	DAB BOARD, COMPLETE (RS70BTB) *****					R273	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R274	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
	3-249-551-02	HOLDER (PWB TU)					R275	1-216-833-11	METAL CHIP	10K	5%	1/10W	
	4-465-303-01	SPRING, ANTENNA					R276	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
		< CAPACITOR >					R371	1-216-845-11	METAL CHIP	100K	5%	1/10W	
C171	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		R372	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
C172	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V		R373	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
C173	1-164-315-91	CERAMIC CHIP	470PF	5%	50V		R440	1-216-864-11	SHORT CHIP	0			
C174	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		R441	1-400-984-21	INDUCTOR (EMI FERRITE)				
C271	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		R442	1-400-984-21	INDUCTOR (EMI FERRITE)				
C272	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V		R917	1-216-864-11	SHORT CHIP	0			
C273	1-164-315-91	CERAMIC CHIP	470PF	5%	50V		R918	1-216-819-11	METAL CHIP	680	5%	1/10W	
C274	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		R919	1-216-841-11	METAL CHIP	47K	5%	1/10W	
C371	1-126-916-11	ELECT	1000uF	20%	6.3V		R920	1-216-821-11	METAL CHIP	1K	5%	1/10W	
C372	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V		*****						
C401	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V		A-1954-723-A	JACK BOARD, COMPLETE (RS70BTB)					
C402	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V		A-1954-724-A	JACK BOARD, COMPLETE (RS70BT) *****					
C403	1-126-916-11	ELECT	1000uF	20%	6.3V			< CAPACITOR >					
C404	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V		C101	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C405	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V		C151	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C406	1-126-916-11	ELECT	1000uF	20%	6.3V		C201	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C408	1-162-917-11	CERAMIC CHIP	15PF	5%	50V		C251	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C409	1-162-917-11	CERAMIC CHIP	15PF	5%	50V		C1002	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V	
C913	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			< CONNECTOR >					
C914	1-126-916-11	ELECT	1000uF	20%	6.3V		CN305	1-815-552-11	PIN, CONNECTOR (PWB) 4P				
C915	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			< DIODE >					
C918	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		D1005	6-500-400-01	DIODE BAV99-215				
CN1	1-815-443-11	PIN, CONNECTOR (PWB) 2P						< FERRITE BEAD/JUMPER RESISTOR >					
CN4	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P					FB151	1-400-981-21	INDUCTOR (EMI FERRITE)				
		< DIODE >					FB251	1-400-981-21	INDUCTOR (EMI FERRITE)				
D1	6-500-400-01	DIODE BAV99-215					FB351	1-400-981-21	INDUCTOR (EMI FERRITE)				
		< IC >					FB1002	1-216-864-11	SHORT CHIP	0			
IC371	6-702-945-01	IC NJM14558V-TE2					FB1003	1-216-864-11	SHORT CHIP	0			
IC905	6-719-929-01	IC BD33HA3WEFJ-E2					FB1006	1-216-864-11	SHORT CHIP	0			
IC906	6-719-818-01	IC BU12TD3WG-TR					FB1007	1-216-864-11	SHORT CHIP	0			
		< COIL >					FB1009	1-216-295-91	SHORT CHIP	0			
L810	1-482-036-11	INDUCTOR	0.22uH					< JACK/CONNECTOR >					
L811	1-482-036-11	INDUCTOR	0.22uH				J301	1-815-629-11	JACK (⌢)				
		< MODULE >					J351	1-566-822-51	JACK (AUDIO IN)				
DAB1	1-492-516-11	MODULE (DAB TUNER)					J1001	1-794-548-21	CONNECTOR, USB (A) (ψ)				
		< RESISTOR/FERRITE BEAD >						< RESISTOR >					
R142	1-216-864-11	SHORT CHIP	0				R101	1-216-811-11	METAL CHIP	150	5%	1/10W	
R171	1-216-845-11	METAL CHIP	100K	5%	1/10W		R201	1-216-811-11	METAL CHIP	150	5%	1/10W	
R172	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		*****						
R173	1-216-833-11	METAL CHIP	10K	5%	1/10W		A-1954-721-A	KEY (VOL) BOARD, COMPLETE (RS70BTB)					
R174	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		A-1954-722-A	KEY (VOL) BOARD, COMPLETE (RS70BT) *****					
								< RESISTOR >					
R175	1-216-833-11	METAL CHIP	10K	5%	1/10W		R615	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R176	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R616	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R242	1-216-864-11	SHORT CHIP	0				R617	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R271	1-216-845-11	METAL CHIP	100K	5%	1/10W								
R272	1-216-829-11	METAL CHIP	4.7K	5%	1/10W								

ZS-RS70BT/RS70BTB

KEY (VOL) KEY A

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< SWITCH >							R606	1-216-819-11	METAL CHIP	680	5%	1/10W	
S618	1-786-726-11	SWITCH, TACTILE (VOLUME +)					R607	1-216-821-11	METAL CHIP	1K	5%	1/10W	
							R608	1-216-821-11	METAL CHIP	1K	5%	1/10W	
							R609	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
S619	1-786-726-11	SWITCH, TACTILE (VOLUME -)					R610	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
S620	1-786-726-11	SWITCH, TACTILE (MEGA BASS)					*****						
							R611	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
A-1954-562-A KEY A BOARD (Included in BUTTON (MAIN) ASSY) (RS70BTB)							R612	1-216-819-11	METAL CHIP	680	5%	1/10W	
A-1954-564-A KEY A BOARD (Included in BUTTON (MAIN) ASSY) (RS70BT)							R613	1-216-821-11	METAL CHIP	1K	5%	1/10W	
*****							R614	1-216-821-11	METAL CHIP	1K	5%	1/10W	
							R625	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R626	1-216-833-11	METAL CHIP	10K	5%	1/10W	
4-283-410-01 SHEET (PANEL DOCK), ADHESIVE (RS70BTB)							R627	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< CAPACITOR >							R628	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R629	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R630	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C601	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V		R631	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C602	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V		R632	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C603	1-162-919-11	CERAMIC CHIP	22PF	5%	50V		R633	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C604	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		R634	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C605	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V		R635	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C610	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V		R636	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C611	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V		R637	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C612	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V		R638	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C613	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V		R639	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< CONNECTOR >							R640	1-216-833-11	METAL CHIP	10K	5%	1/10W	
CN601	1-779-548-21	CONNECTOR, FFC (LIF (NON-ZIF)) 11P					R641	1-216-833-11	METAL CHIP	10K	5%	1/10W	
CN602	1-815-550-11	PIN, CONNECTOR (PWB) 2P					R642	1-216-833-11	METAL CHIP	10K	5%	1/10W	
CN604	1-822-674-11	HEADER ASSEMBLY FOR PRINTED WI					R643	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< DIODE >							R644	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R645	1-216-833-11	METAL CHIP	10K	5%	1/10W	
D607	6-500-514-01	DIODE BAV70					R646	1-216-833-11	METAL CHIP	10K	5%	1/10W	
D608	6-503-857-01	DIODE BAW56					R647	1-216-833-11	METAL CHIP	10K	5%	1/10W	
D609	8-719-059-97	LED L-34HD (OPR/BATT)					R648	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< FERRITE BEAD >							R649	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R650	1-216-833-11	METAL CHIP	10K	5%	1/10W	
FB607	1-400-981-21	INDUCTOR (EMI FERRITE)					R651	1-216-833-11	METAL CHIP	10K	5%	1/10W	
FB608	1-400-981-21	INDUCTOR (EMI FERRITE)					R652	1-216-833-11	METAL CHIP	10K	5%	1/10W	
FB609	1-400-981-21	INDUCTOR (EMI FERRITE)					R653	1-216-833-11	METAL CHIP	10K	5%	1/10W	
FB610	1-400-981-21	INDUCTOR (EMI FERRITE)					R654	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< IC >							R655	1-216-833-11	METAL CHIP	10K	5%	1/10W	
IC601	6-715-273-01	IC HT1621					R656	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< COIL >							R657	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R658	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L601	1-469-846-11	INDUCTOR 47uH					R659	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L602	1-400-135-11	INDUCTOR 1uH					R660	1-216-833-11	METAL CHIP	10K	5%	1/10W	
< LIQUID CRYSTAL DISPLAY >							R662	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
							R663	1-216-817-11	METAL CHIP	470	5%	1/10W	
							R664	1-216-818-11	METAL CHIP	560	5%	1/10W	
							R665	1-216-818-11	METAL CHIP	560	5%	1/10W	
LCD601	1-811-893-11	DISPLAY PANEL, LIQUID CRYSTAL					R666	1-216-817-11	METAL CHIP	470	5%	1/10W	
< TRANSISTOR >							R668	1-216-845-11	METAL CHIP	100K	5%	1/10W	
Q613	6-553-270-01	TRANSISTOR	PDTCT114YT				< SWITCH >						
< RESISTOR >							S601	1-786-726-11	SWITCH, TACTILE (POWER) (RS70BT)				
							S601	1-786-726-11	SWITCH, TACTILE (OPERATE) (RS70BTB)				
R601	1-216-819-11	METAL CHIP	680	5%	1/10W		S602	1-786-726-11	SWITCH, TACTILE (MEMORY SELECT USB)				
R602	1-216-821-11	METAL CHIP	1K	5%	1/10W		S603	1-786-726-11	SWITCH, TACTILE (REC CD ► USB)				
R603	1-216-821-11	METAL CHIP	1K	5%	1/10W		S604	1-786-726-11	SWITCH, TACTILE (ENTER)				
R604	1-216-825-11	METAL CHIP	2.2K	5%	1/10W								
R605	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		S605	1-786-726-11	SWITCH, TACTILE (LIGHT SYNC • DISPLAY)				
							S606	1-786-726-11	SWITCH, TACTILE (MODE)				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
S607	1-786-726-11	SWITCH, TACTILE (CD)		R677	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
S608	1-786-726-11	SWITCH, TACTILE		R678	1-216-841-11	METAL CHIP 47K 5%	1/10W
		(● AUTO PRESET RADIO FM/AM) (RS70BT)					
S608	1-786-726-11	SWITCH, TACTILE (● SCAN RADIO DAB/FM)		R679	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
		(RS70BTB)		R680	1-216-841-11	METAL CHIP 47K 5%	1/10W
				R681	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
S609	1-786-726-11	SWITCH, TACTILE (PRESET + ►►)		R682	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
S610	1-786-726-11	SWITCH, TACTILE (– PRESET ◄◄)		R683	1-216-841-11	METAL CHIP 47K 5%	1/10W
S611	1-786-726-11	SWITCH, TACTILE (◄/TUNE +)					
S612	1-786-726-11	SWITCH, TACTILE (◄/TUNE –)		R684	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
S613	1-786-726-11	SWITCH, TACTILE (ERASE)		R685	1-216-805-11	METAL CHIP 47 5%	1/10W
				R686	1-216-841-11	METAL CHIP 47K 5%	1/10W
S614	1-786-726-11	SWITCH, TACTILE (● PAIRING BLUETOOTH)		R687	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
S615	1-786-726-11	SWITCH, TACTILE (AUDIO IN)		R688	1-216-817-11	METAL CHIP 470 5%	1/10W
S616	1-786-726-11	SWITCH, TACTILE (MANUAL PRESET ►►)					
S617	1-786-726-11	SWITCH, TACTILE (■)		R689	1-216-841-11	METAL CHIP 47K 5%	1/10W
*****				R690	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
*****				*****			
	A-1954-719-A	LED (NFC) BOARD, COMPLETE (RS70BTB)			A-1954-879-A	MAIN BOARD, COMPLETE (RS70BTB)	
	A-1954-720-A	LED (NFC) BOARD, COMPLETE (RS70BT)			A-1954-881-A	MAIN BOARD, COMPLETE (RS70BT: E41)	
		*****			A-1954-883-A	MAIN BOARD, COMPLETE (RS70BT: MX)	
		< CONNECTOR >			A-1954-884-A	MAIN BOARD, COMPLETE (RS70BT: E92)	

CN605	1-779-545-21	CONNECTOR, FFC (LIF (NON-ZIF)) 8P			3-253-143-01	SCREW (B2.6), (+) P TAPPING	
		< LED >				< CAPACITOR >	
D602	6-501-691-01	LED 1L434FV22D0TDF01 (ILLUMINATION)		C110	1-104-658-91	ELECT 100uF 20%	10V
D603	6-501-691-01	LED 1L434FV22D0TDF01 (ILLUMINATION)		C111	1-126-926-11	ELECT 1000uF 20%	10V
D604	6-503-159-01	LED 1L034XB12COMA002 (ILLUMINATION)		C112	1-118-289-11	CERAMIC CHIP 0.1uF 10%	16V
D605	6-503-159-01	LED 1L034XB12COMA002 (ILLUMINATION)		C113	1-126-947-11	ELECT 47uF 20%	35V
D606	6-503-223-01	LED SLR343WBC7T31XL (ILLUMINATION)		C114	1-118-290-11	CERAMIC CHIP 0.001uF 10%	50V
		< FERRITE BEAD >					
FB601	1-400-981-21	INDUCTOR (EMI FERRITE)		C116	1-127-715-11	CERAMIC CHIP 0.22uF 10%	16V
FB602	1-400-981-21	INDUCTOR (EMI FERRITE)		C117	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
FB603	1-400-981-21	INDUCTOR (EMI FERRITE)		C118	1-118-290-11	CERAMIC CHIP 0.001uF 10%	50V
FB604	1-400-981-21	INDUCTOR (EMI FERRITE)		C119	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
FB605	1-400-981-21	INDUCTOR (EMI FERRITE)		C120	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
FB606	1-400-981-21	INDUCTOR (EMI FERRITE)					
		< TRANSISTOR >		C121	1-118-290-11	CERAMIC CHIP 0.001uF 10%	50V
Q601	6-552-891-01	TRANSISTOR LSAR523UBFS8TL		C122	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
Q602	6-553-280-01	TRANSISTOR PDTC143ET		C123	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
Q603	6-552-891-01	TRANSISTOR LSAR523UBFS8TL		C124	1-118-290-11	CERAMIC CHIP 0.001uF 10%	50V
Q604	6-553-280-01	TRANSISTOR PDTC143ET		C125	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
Q605	6-552-891-01	TRANSISTOR LSAR523UBFS8TL					
Q606	6-553-280-01	TRANSISTOR PDTC143ET		C126	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
Q607	6-552-891-01	TRANSISTOR LSAR523UBFS8TL		C127	1-118-290-11	CERAMIC CHIP 0.001uF 10%	50V
Q608	6-553-280-01	TRANSISTOR PDTC143ET		C128	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
Q609	6-552-891-01	TRANSISTOR LSAR523UBFS8TL		C129	1-165-884-91	CERAMIC CHIP 2.2uF 10%	6.3V
Q610	6-553-280-01	TRANSISTOR PDTC143ET		C131	1-118-290-11	CERAMIC CHIP 0.001uF 10%	50V
Q611	6-552-891-01	TRANSISTOR LSAR523UBFS8TL		C132	1-118-345-11	CERAMIC CHIP 0.01uF 10%	25V
Q612	6-553-280-01	TRANSISTOR PDTC143ET		C133	1-118-289-11	CERAMIC CHIP 0.1uF 10%	16V
		< RESISTOR >		C134	1-118-345-11	CERAMIC CHIP 0.01uF 10%	25V
R669	1-216-813-11	METAL CHIP 220 5%	1/10W	C135	1-118-289-11	CERAMIC CHIP 0.1uF 10%	16V
R670	1-216-809-11	METAL CHIP 100 5%	1/10W	C136	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
R671	1-216-809-11	METAL CHIP 100 5%	1/10W				(RS70BTB)
R672	1-216-809-11	METAL CHIP 100 5%	1/10W	C137	1-165-884-91	CERAMIC CHIP 2.2uF 10%	6.3V
R673	1-216-809-11	METAL CHIP 100 5%	1/10W				(RS70BTB)
				C139	1-126-964-11	ELECT 10uF 20%	50V
R674	1-216-809-11	METAL CHIP 100 5%	1/10W	C140	1-127-715-11	CERAMIC CHIP 0.22uF 10%	16V
R675	1-216-805-11	METAL CHIP 47 5%	1/10W	C175	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
R676	1-216-841-11	METAL CHIP 47K 5%	1/10W	C176	1-100-966-91	CERAMIC CHIP 10uF 20%	10V
				C177	1-112-746-11	CERAMIC CHIP 4.7uF 10%	6.3V
				C178	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
				C210	1-104-658-91	ELECT 100uF 20%	10V
				C211	1-126-926-11	ELECT 1000uF 20%	10V
				C212	1-118-289-11	CERAMIC CHIP 0.1uF 10%	16V

ZS-RS70BT/RS70BTB

MAIN

Ref. No.	Part No.	Description	Remark		
C213	1-126-947-11	ELECT	47uF	20%	35V
C214	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C216	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C217	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C218	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C219	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C220	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C221	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C222	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C223	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C224	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C225	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C226	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C227	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C228	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C229	1-165-884-91	CERAMIC CHIP	2.2uF	10%	6.3V
C231	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C232	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C233	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C234	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C235	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C236	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (RS70BTB)
C237	1-165-884-91	CERAMIC CHIP	2.2uF	10%	6.3V (RS70BTB)
C239	1-126-964-11	ELECT	10uF	20%	50V
C240	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C275	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C276	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C277	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C278	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C301	1-104-662-91	ELECT	22uF	20%	25V
C302	1-104-662-91	ELECT	22uF	20%	25V
C303	1-126-947-11	ELECT	47uF	20%	35V
C304	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
C305	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
C307	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
C308	1-104-658-91	ELECT	100uF	20%	10V
C309	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C310	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C311	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C312	1-126-947-11	ELECT	47uF	20%	35V
C313	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C314	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (RS70BTB)
C315	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V (RS70BTB)
C316	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V (RS70BTB)
C317	1-100-966-91	CERAMIC CHIP	10uF	20%	10V (RS70BTB)
C318	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C319	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C320	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C325	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C330	1-126-961-11	ELECT	2.2uF	20%	50V
C417	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C418	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C419	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C420	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C421	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V

Ref. No.	Part No.	Description	Remark		
C422	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
C423	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C424	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
C425	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C426	1-104-658-91	ELECT	100uF	20%	10V
C427	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C430	1-126-925-91	ELECT	470uF	20%	10V (RS70BT)
C435	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V (RS70BTB)
C436	1-126-947-11	ELECT	47uF	20%	35V (RS70BTB)
C437	1-126-925-91	ELECT	470uF	20%	10V (RS70BTB)
C701	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C703	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C705	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C706	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C707	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C708	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C709	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C710	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C711	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C712	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C713	1-165-884-91	CERAMIC CHIP	2.2uF	10%	6.3V
C714	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C715	1-104-658-91	ELECT	100uF	20%	10V
C717	1-165-884-91	CERAMIC CHIP	2.2uF	10%	6.3V
C718	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C719	1-118-290-11	CERAMIC CHIP	0.001uF	10%	50V
C720	1-126-947-11	ELECT	47uF	20%	35V
C800	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C801	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C802	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C803	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C804	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C805	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C806	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C807	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C809	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C811	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C812	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C813	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C814	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C815	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C817	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C818	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C819	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C820	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C822	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C823	1-104-658-91	ELECT	100uF	20%	10V
C824	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C826	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C827	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C833	1-118-345-11	CERAMIC CHIP	0.01uF	10%	25V
C834	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C841	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C842	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C843	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
C846	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C847	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C848	1-162-915-11	CERAMIC CHIP 10PF	0.5PF 50V	CN807	1-779-282-41	CONNECTOR, FFC (LIF (NON-ZIF)) 14P	
C849	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	CN808	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P	
C850	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V	CN901	1-815-444-21	PIN, CONNECTOR (PWB) 3P	
				CN902	1-815-443-11	PIN, CONNECTOR (PWB) 2P	
C852	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V				
C853	1-165-884-91	CERAMIC CHIP 2.2uF	10% 6.3V	CN903	1-815-443-21	PIN, CONNECTOR (PWB) 2P	
C854	1-165-884-91	CERAMIC CHIP 2.2uF	10% 6.3V			< DIODE >	
C855	1-104-658-91	ELECT 100uF	20% 10V				
C856	1-162-919-11	CERAMIC CHIP 22PF	5% 50V	D101	6-502-970-01	DIODE DZ2J068M0L (RS70BTB)	
C857	1-162-919-11	CERAMIC CHIP 22PF	5% 50V	D102	6-502-934-01	DIODE DB2S31100K8	
C862	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V	D201	6-502-970-01	DIODE DZ2J068M0L (RS70BTB)	
C865	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V	D202	6-502-934-01	DIODE DB2S31100K8	
C872	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V	D301	6-503-857-01	DIODE BAW56	
C873	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V				
C874	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	D302	6-503-857-01	DIODE BAW56	
C880	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V	D303	6-502-961-01	DIODE DA2J10100L (RS70BTB)	
C881	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V	D802	6-502-961-01	DIODE DA2J10100L	
C882	1-162-923-11	CERAMIC CHIP 47PF	5% 50V	D803	6-503-857-01	DIODE BAW56	
C883	1-126-933-11	ELECT 100uF	20% 16V	D902	6-503-857-01	DIODE BAW56	
C884	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V				
C886	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V	D903	6-503-857-01	DIODE BAW56	
C887	1-126-925-91	ELECT 470uF	20% 10V	D904	6-502-970-01	DIODE DZ2J068M0L	
C888	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V	D905	8-719-085-36	DIODE 11EQS04-TB5	
C891	1-162-915-11	CERAMIC CHIP 10PF	0.5PF 50V	D906	6-503-011-01	DIODE DZ2J039M0L	
						< FERRITE BEAD/JUMPER RESISTOR >	
C892	1-162-923-11	CERAMIC CHIP 47PF	5% 50V	FB701	1-400-981-21	INDUCTOR (EMI FERRITE)	
C893	1-162-915-11	CERAMIC CHIP 10PF	0.5PF 50V	FB702	1-400-981-21	INDUCTOR (EMI FERRITE)	
C894	1-162-923-11	CERAMIC CHIP 47PF	5% 50V	FB703	1-400-981-21	INDUCTOR (EMI FERRITE)	
C901	1-126-937-11	ELECT 4700uF	20% 16V	FB704	1-400-981-21	INDUCTOR (EMI FERRITE)	
		(RS70BT: E41/RS70BTB)		FB705	1-400-981-21	INDUCTOR (EMI FERRITE)	
C901	1-128-548-11	ELECT 4700uF	20% 25V				
		(RS70BT: E92, MX)		FB706	1-400-981-21	INDUCTOR (EMI FERRITE)	
C902	1-162-968-91	CERAMIC CHIP 0.0047uF	10% 50V	FB708	1-400-353-21	INDUCTOR 22uH	
C903	1-104-662-91	ELECT 22uF	20% 25V	FB904	1-216-295-91	SHORT CHIP 0	
C904	1-126-933-11	ELECT 100uF	20% 16V	FB905	1-216-295-91	SHORT CHIP 0	
C905	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V			< IC >	
C906	1-126-935-11	ELECT 470uF	20% 16V				
C907	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V	IC302	6-713-384-01	IC BD3491FS-SE2	
C908	1-126-925-91	ELECT 470uF	20% 10V	IC303	6-702-945-01	IC NJM14558V-TE2 (RS70BTB)	
C909	1-165-908-11	CERAMIC CHIP 1uF	10% 10V	IC304	8-759-426-51	IC BA5417	
C911	1-165-908-11	CERAMIC CHIP 1uF	10% 10V	IC305	6-702-945-01	IC NJM14558V-TE2	
C919	1-126-933-11	ELECT 100uF	20% 16V	IC401	8-759-677-02	IC BU4053BCF-E2 (RS70BTB)	
C920	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V				
C922	1-162-968-91	CERAMIC CHIP 0.0047uF	10% 50V	IC402	6-702-945-01	IC NJM14558V-TE2	
C923	1-118-289-11	CERAMIC CHIP 0.1uF	10% 16V	IC801	(Not supplied)	IC LC87F7NJ2AVUEJ-2H (RS70BT) (See Note)	
C924	1-104-662-91	ELECT 22uF	20% 25V	IC801	(Not supplied)	IC LC87F7NP6AVUEJ-2H (RS70BTB) (See Note)	
C925	1-164-230-11	CERAMIC CHIP 220PF	5% 50V	* IC802	6-718-255-01	IC BR24T02FJ-WGE2	
				IC803	6-703-285-01	IC S-812C33AUA-C2NT2G	
C927	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V				
C928	1-126-947-11	ELECT 47uF	20% 35V	IC804	6-712-776-01	IC PST8228UL	
C929	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V	IC901	6-717-947-01	IC NJW4152GM1-A (TE2)	
C930	1-162-923-11	CERAMIC CHIP 47PF	5% 50V	IC904	6-705-312-01	IC S-T111B33MC-OGSTFG	
C932	1-126-947-11	ELECT 47uF	20% 35V			< JUMPER RESISTOR >	
C933	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V	JC401	1-216-864-11	SHORT CHIP 0 (RS70BTB)	
C934	1-118-345-11	CERAMIC CHIP 0.01uF	10% 25V			< COIL/JUMPER RESISTOR >	
		< CONNECTOR >					
CN301	1-784-921-11	PIN, CONNECTOR 4P		L101	1-469-847-11	INDUCTOR 100uH (RS70BTB)	
CN303	1-815-444-11	PIN, CONNECTOR (PWB) 3P		L201	1-469-847-11	INDUCTOR 100uH (RS70BTB)	
CN801	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P		L301	1-216-295-91	SHORT CHIP 0 (RS70BT)	
CN804	1-779-276-11	CONNECTOR, FFC (LIF (NON-ZIF)) 8P		L302	1-469-757-21	INDUCTOR 10uH	
CN805	1-779-273-11	CONNECTOR, FFC (LIF (NON-ZIF)) 5P		L303	1-469-757-21	INDUCTOR 10uH (RS70BTB)	
CN806	1-779-295-11	CONNECTOR, FFC (LIF (NON-ZIF)) 27P					
				L701	1-216-295-91	SHORT CHIP 0	
				L702	1-400-353-21	INDUCTOR 22uH	
				L703	1-216-295-91	SHORT CHIP 0	

Note: IC801 on the MAIN board cannot exchange with single. When this part is damaged, exchange the complete mounted board.

ZS-RS70BT/RS70BTB

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
L704	1-400-135-11	INDUCTOR	1uH			R137	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (RS70BTB)
L801	1-400-135-11	INDUCTOR	1uH								
L802	1-469-757-21	INDUCTOR	10uH			R138	1-216-864-11	SHORT CHIP	0		
L805	1-469-847-11	INDUCTOR	100uH			R139	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
L806	1-469-847-11	INDUCTOR	100uH			R140	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
L808	1-400-353-21	INDUCTOR	22uH			R141	1-216-833-11	METAL CHIP	10K	5%	1/10W
L809	1-400-135-11	INDUCTOR	1uH			R177	1-216-833-11	METAL CHIP	10K	5%	1/10W
L902	1-457-783-21	CHOKE COIL	22uH			R178	1-216-835-11	METAL CHIP	15K	5%	1/10W
L903	1-469-847-11	INDUCTOR	100uH			R179	1-216-835-11	METAL CHIP	15K	5%	1/10W
L907	1-469-847-11	INDUCTOR	100uH			R180	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
< TRANSISTOR >						R181	1-216-817-11	METAL CHIP	470	5%	1/10W
Q101	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R182	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q201	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R210	1-216-789-11	METAL CHIP	2.2	5%	1/10W
Q301	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R211	1-216-814-11	METAL CHIP	270	5%	1/10W
Q302	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R213	1-216-849-11	METAL CHIP	220K	5%	1/10W
Q303	8-729-216-22	TRANSISTOR	2SA1162-G (RS70BTB)			R214	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q304	8-729-200-72	TRANSISTOR	2SC2712L-TE85L (RS70BTB)			R215	1-216-834-11	METAL CHIP	12K	5%	1/10W
Q801	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R216	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q802	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R218	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q803	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R219	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q804	6-553-280-01	TRANSISTOR	PDTC143ET			R221	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
Q805	6-552-891-01	TRANSISTOR	LSAR523UBFS8TL			R223	1-216-864-11	SHORT CHIP	0		
Q806	8-729-216-22	TRANSISTOR	2SA1162-G			R224	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q807	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R227	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q808	6-552-760-01	FET	SSM3J325F, LSOYF			R229	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q809	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R231	1-216-834-11	METAL CHIP	12K	5%	1/10W (RS70BTB)
Q901	6-553-283-01	TRANSISTOR	PDTC143ZT			R231	1-216-864-11	SHORT CHIP	0 (RS70BT)		
Q902	8-729-040-76	TRANSISTOR	KTA1273-Y-AT			R233	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
Q903	8-729-200-72	TRANSISTOR	2SC2712L-TE85L			R234	1-216-845-11	METAL CHIP	100K	5%	1/10W (RS70BTB)
Q904	8-729-018-99	TRANSISTOR	2SD2394-F			R235	1-216-857-11	METAL CHIP	1M	5%	1/10W (RS70BTB)
Q905	8-729-028-54	TRANSISTOR	KTC3205			R236	1-216-821-11	METAL CHIP	1K	5%	1/10W (RS70BTB)
Q906	8-729-040-76	TRANSISTOR	KTA1273-Y-AT			R237	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (RS70BTB)
Q907	6-553-283-01	TRANSISTOR	PDTC143ZT								
< RESISTOR/FERRITE BEAD >						R238	1-216-864-11	SHORT CHIP	0		
R110	1-216-789-11	METAL CHIP	2.2	5%	1/10W	R239	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R111	1-216-814-11	METAL CHIP	270	5%	1/10W	R240	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R113	1-216-849-11	METAL CHIP	220K	5%	1/10W	R241	1-216-833-11	METAL CHIP	10K	5%	1/10W
R114	1-216-821-11	METAL CHIP	1K	5%	1/10W	R277	1-216-833-11	METAL CHIP	10K	5%	1/10W
R115	1-216-834-11	METAL CHIP	12K	5%	1/10W	R278	1-216-835-11	METAL CHIP	15K	5%	1/10W
R116	1-216-841-11	METAL CHIP	47K	5%	1/10W	R279	1-216-835-11	METAL CHIP	15K	5%	1/10W
R118	1-216-833-11	METAL CHIP	10K	5%	1/10W	R280	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R119	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R281	1-216-817-11	METAL CHIP	470	5%	1/10W
R121	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R282	1-216-845-11	METAL CHIP	100K	5%	1/10W
R123	1-216-864-11	SHORT CHIP	0			R301	1-216-821-11	METAL CHIP	1K	5%	1/10W
R124	1-216-833-11	METAL CHIP	10K	5%	1/10W	R303	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R127	1-216-833-11	METAL CHIP	10K	5%	1/10W	R304	1-216-845-11	METAL CHIP	100K	5%	1/10W
R129	1-216-833-11	METAL CHIP	10K	5%	1/10W (RS70BTB)	R305	1-216-821-11	METAL CHIP	1K	5%	1/10W
R131	1-216-834-11	METAL CHIP	12K	5%	1/10W (RS70BTB)	R306	1-216-837-11	METAL CHIP	22K	5%	1/10W
R131	1-216-864-11	SHORT CHIP	0 (RS70BT)			R309	1-216-821-11	METAL CHIP	1K	5%	1/10W
R133	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R310	1-216-821-11	METAL CHIP	1K	5%	1/10W
R134	1-216-845-11	METAL CHIP	100K	5%	1/10W (RS70BTB)	R311	1-216-841-11	METAL CHIP	47K	5%	1/10W
R135	1-216-857-11	METAL CHIP	1M	5%	1/10W (RS70BTB)	R312	1-216-853-11	METAL CHIP	470K	5%	1/10W
R136	1-216-821-11	METAL CHIP	1K	5%	1/10W (RS70BTB)	R313	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R314	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R315	1-216-809-11	METAL CHIP	100	5%	1/10W
						R316	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R317	1-216-845-11	METAL CHIP	100K	5%	1/10W	(RS70BTB)	R446	1-216-864-11	SHORT CHIP	0			
R318	1-216-845-11	METAL CHIP	100K	5%	1/10W	(RS70BTB)	R447	1-216-864-11	SHORT CHIP	0			
							R448	1-216-864-11	SHORT CHIP	0			
R319	1-216-821-11	METAL CHIP	1K	5%	1/10W	(RS70BTB)	R449	1-216-864-11	SHORT CHIP	0			
R320	1-216-837-11	METAL CHIP	22K	5%	1/10W	(RS70BTB)	R450	1-216-864-11	SHORT CHIP	0			
R321	1-216-833-11	METAL CHIP	10K	5%	1/10W	(RS70BTB)	R451	1-216-864-11	SHORT CHIP	0			
R322	1-216-841-11	METAL CHIP	47K	5%	1/10W	(RS70BTB)	R452	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R323	1-216-833-11	METAL CHIP	10K	5%	1/10W	(RS70BTB)	R453	1-216-864-11	SHORT CHIP	0			
R324	1-216-845-11	METAL CHIP	100K	5%	1/10W	(RS70BTB)	R454	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R326	1-216-817-11	METAL CHIP	470	5%	1/10W		R455	1-216-864-11	SHORT CHIP	0			
R327	1-216-817-11	METAL CHIP	470	5%	1/10W		R456	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R329	1-216-833-11	METAL CHIP	10K	5%	1/10W		R457	1-216-864-11	SHORT CHIP	0			
R330	1-216-833-11	METAL CHIP	10K	5%	1/10W		R458	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R331	1-216-864-11	SHORT CHIP	0				R459	1-216-864-11	SHORT CHIP	0			
R332	1-216-857-11	METAL CHIP	1M	5%	1/10W		R460	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R335	1-216-864-11	SHORT CHIP	0				R461	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R336	1-216-864-11	SHORT CHIP	0				R462	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R374	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W		R463	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R375	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W		R464	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R376	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W		R465	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R377	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W		R466	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R401	1-216-809-11	METAL CHIP	100	5%	1/10W		R467	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R402	1-216-809-11	METAL CHIP	100	5%	1/10W		R468	1-216-821-11	METAL CHIP	1K	5%	1/10W	(RS70BTB)
R403	1-216-845-11	METAL CHIP	100K	5%	1/10W		R469	1-216-864-11	SHORT CHIP	0 (RS70BTB)			
R404	1-216-809-11	METAL CHIP	100	5%	1/10W		R470	1-216-821-11	METAL CHIP	1K	5%	1/10W	(RS70BTB)
R405	1-216-845-11	METAL CHIP	100K	5%	1/10W		R471	1-216-821-11	METAL CHIP	1K	5%	1/10W	(RS70BTB)
R406	1-216-809-11	METAL CHIP	100	5%	1/10W		R472	1-216-821-11	METAL CHIP	1K	5%	1/10W	(RS70BTB)
R407	1-216-845-11	METAL CHIP	100K	5%	1/10W		R473	1-216-864-11	SHORT CHIP	0 (RS70BTB)			
R408	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R474	1-216-845-11	METAL CHIP	100K	5%	1/10W	(RS70BTB)
R409	1-216-841-11	METAL CHIP	47K	5%	1/10W		R475	1-216-845-11	METAL CHIP	100K	5%	1/10W	(RS70BTB)
R410	1-216-821-11	METAL CHIP	1K	5%	1/10W		R703	1-216-864-11	SHORT CHIP	0			
R411	1-216-853-11	METAL CHIP	470K	5%	1/10W		R704	1-216-864-11	SHORT CHIP	0			
R412	1-216-847-11	METAL CHIP	150K	5%	1/10W		R705	1-216-864-11	SHORT CHIP	0			
R413	1-216-847-11	METAL CHIP	150K	5%	1/10W		R706	1-216-864-11	SHORT CHIP	0			
R414	1-216-853-11	METAL CHIP	470K	5%	1/10W		R801	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R416	1-216-841-11	METAL CHIP	47K	5%	1/10W		R802	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R417	1-216-857-11	METAL CHIP	1M	5%	1/10W		R803	1-216-813-11	METAL CHIP	220	5%	1/10W	
R418	1-216-845-11	METAL CHIP	100K	5%	1/10W		R804	1-216-813-11	METAL CHIP	220	5%	1/10W	
R419	1-216-864-11	SHORT CHIP	0				R805	1-216-817-11	METAL CHIP	470	5%	1/10W	
R420	1-216-833-11	METAL CHIP	10K	5%	1/10W		R806	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R421	1-216-833-11	METAL CHIP	10K	5%	1/10W		R807	1-216-817-11	METAL CHIP	470	5%	1/10W	
R422	1-216-833-11	METAL CHIP	10K	5%	1/10W		R808	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R430	1-216-817-11	METAL CHIP	470	5%	1/10W	(RS70BT)	R809	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R431	1-216-809-11	METAL CHIP	100	5%	1/10W		R810	1-216-864-11	SHORT CHIP	0			
R432	1-216-817-11	METAL CHIP	470	5%	1/10W	(RS70BT)	R811	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R432	1-216-821-11	METAL CHIP	1K	5%	1/10W	(RS70BTB)	R812	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R433	1-216-809-11	METAL CHIP	100	5%	1/10W		R813	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R440	1-216-833-11	METAL CHIP	10K	5%	1/10W	(RS70BT)	R815	1-216-817-11	METAL CHIP	470	5%	1/10W	
R443	1-216-833-11	METAL CHIP	10K	5%	1/10W	(RS70BTB)	R817	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R445	1-216-864-11	SHORT CHIP	0				R818	1-216-821-11	METAL CHIP	1K	5%	1/10W	
							R819	1-216-813-11	METAL CHIP	220	5%	1/10W	
							R820	1-216-813-11	METAL CHIP	220	5%	1/10W	
							R821	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R822	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R823	1-216-833-11	METAL CHIP	10K	5%	1/10W	

ZS-RS70BT/RS70BTB

MAIN POWER

Ref. No.	Part No.	Description	Remark		
R824	1-216-833-11	METAL CHIP	10K	5%	1/10W
R825	1-216-864-11	SHORT CHIP	0		
R826	1-216-864-11	SHORT CHIP	0		
R827	1-216-864-11	SHORT CHIP	0		
R828	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R829	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R830	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R831	1-216-821-11	METAL CHIP	1K	5%	1/10W (RS70BT)
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R833	1-216-833-11	METAL CHIP	10K	5%	1/10W
R834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R836	1-216-837-11	METAL CHIP	22K	5%	1/10W
R837	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R838	1-216-809-11	METAL CHIP	100	5%	1/10W
R839	1-216-821-11	METAL CHIP	1K	5%	1/10W
R840	1-216-841-11	METAL CHIP	47K	5%	1/10W
R841	1-216-845-11	METAL CHIP	100K	5%	1/10W
R842	1-216-841-11	METAL CHIP	47K	5%	1/10W
R843	1-216-841-11	METAL CHIP	47K	5%	1/10W
R844	1-216-857-11	METAL CHIP	1M	5%	1/10W
R845	1-216-845-11	METAL CHIP	100K	5%	1/10W
R846	1-216-853-11	METAL CHIP	470K	5%	1/10W
R847	1-216-841-11	METAL CHIP	47K	5%	1/10W
R848	1-216-853-11	METAL CHIP	470K	5%	1/10W
R849	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R850	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R851	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R852	1-216-841-11	METAL CHIP	47K	5%	1/10W
R853	1-216-864-11	SHORT CHIP	0		
R854	1-216-864-11	SHORT CHIP	0		
R855	1-216-809-11	METAL CHIP	100	5%	1/10W
R856	1-216-809-11	METAL CHIP	100	5%	1/10W
R857	1-216-809-11	METAL CHIP	100	5%	1/10W
R858	1-216-845-11	METAL CHIP	100K	5%	1/10W
R860	1-216-821-11	METAL CHIP	1K	5%	1/10W
R861	1-216-821-11	METAL CHIP	1K	5%	1/10W
R862	1-216-821-11	METAL CHIP	1K	5%	1/10W
R863	1-216-821-11	METAL CHIP	1K	5%	1/10W
R864	1-216-821-11	METAL CHIP	1K	5%	1/10W
R865	1-216-817-11	METAL CHIP	470	5%	1/10W
R867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R868	1-216-821-11	METAL CHIP	1K	5%	1/10W
R869	1-216-864-11	SHORT CHIP	0		
R870	1-216-821-11	METAL CHIP	1K	5%	1/10W
R871	1-216-845-11	METAL CHIP	100K	5%	1/10W
R872	1-216-845-11	METAL CHIP	100K	5%	1/10W
R873	1-216-845-11	METAL CHIP	100K	5%	1/10W
R874	1-400-984-21	INDUCTOR (EMI FERRITE)			
R875	1-400-981-21	INDUCTOR (EMI FERRITE)			
R876	1-400-981-21	INDUCTOR (EMI FERRITE)			
R877	1-400-981-21	INDUCTOR (EMI FERRITE)			
R878	1-216-833-11	METAL CHIP	10K	5%	1/10W (RS70BT: E41)
R879	1-216-864-11	SHORT CHIP	0		(RS70BT: E92, MX/RS70BTB)
R880	1-216-833-11	METAL CHIP	10K	5%	1/10W (RS70BT: E92, MX)
R881	1-216-864-11	SHORT CHIP	0		(RS70BT: E41/RS70BTB)
R882	1-216-833-11	METAL CHIP	10K	5%	1/10W (RS70BT: MX)
R883	1-216-864-11	SHORT CHIP	0		(RS70BT: E41, E92/RS70BTB)

Ref. No.	Part No.	Description	Remark		
R885	1-216-864-11	SHORT CHIP	0		
R886	1-216-821-11	METAL CHIP	1K	5%	1/10W
R888	1-216-817-11	METAL CHIP	470	5%	1/10W
R890	1-216-845-11	METAL CHIP	100K	5%	1/10W
R891	1-216-817-11	METAL CHIP	470	5%	1/10W
R893	1-216-833-11	METAL CHIP	10K	5%	1/10W
R894	1-216-833-11	METAL CHIP	10K	5%	1/10W
R895	1-216-821-11	METAL CHIP	1K	5%	1/10W
R896	1-216-821-11	METAL CHIP	1K	5%	1/10W
R897	1-216-821-11	METAL CHIP	1K	5%	1/10W
R898	1-216-821-11	METAL CHIP	1K	5%	1/10W
R899	1-216-809-11	METAL CHIP	100	5%	1/10W
R901	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R902	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R903	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R904	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R905	1-216-833-11	METAL CHIP	10K	5%	1/10W
R907	1-216-833-11	METAL CHIP	10K	5%	1/10W
R908	1-216-841-11	METAL CHIP	47K	5%	1/10W
R909	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R910	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R911	1-216-821-11	METAL CHIP	1K	5%	1/10W
R912	1-216-821-11	METAL CHIP	1K	5%	1/10W
R913	1-216-821-11	METAL CHIP	1K	5%	1/10W
R915	1-216-809-11	METAL CHIP	100	5%	1/10W
R921	1-216-838-11	METAL CHIP	27K	5%	1/10W
R923	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R924	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R925	1-216-864-11	SHORT CHIP	0		
R926	1-216-864-11	SHORT CHIP	0		
R927	1-250-650-11	METAL CHIP	27K	1%	1/10W
R929	1-250-633-11	METAL CHIP	5.1K	1%	1/10W
R931	1-216-809-11	METAL CHIP	100	5%	1/10W
R932	1-216-809-11	METAL CHIP	100	5%	1/10W
R933	1-216-809-11	METAL CHIP	100	5%	1/10W
R934	1-216-809-11	METAL CHIP	100	5%	1/10W
R935	1-216-809-11	METAL CHIP	100	5%	1/10W
R936	1-216-841-11	METAL CHIP	47K	5%	1/10W
R937	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R938	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R940	1-216-833-11	METAL CHIP	10K	5%	1/10W

< VIBRATOR >

X801 1-814-180-21 VIBRATOR, CERAMIC (10 MHz)

A-1954-871-A POWER BOARD, COMPLETE (RS70BTB)
A-1954-872-A POWER BOARD, COMPLETE (RS70BT: E41)
A-1954-873-A POWER BOARD, COMPLETE (RS70BT: E92, MX)

< CAPACITOR >

C981 1-118-369-11 CERAMIC CHIP 0.022uF 10% 50V
C982 1-118-369-11 CERAMIC CHIP 0.022uF 10% 50V
C983 1-118-369-11 CERAMIC CHIP 0.022uF 10% 50V
C984 1-118-369-11 CERAMIC CHIP 0.022uF 10% 50V
C986 1-126-964-11 ELECT 10uF 20% 50V
C987 1-118-369-11 CERAMIC CHIP 0.022uF 10% 50V
C988 1-126-768-11 ELECT 2200uF 20% 16V

POWER

SOFT

TUNER

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< CONNECTOR >					
CN982	1-822-674-11	HEADER ASSEMBLY FOR PRINTED WI		C25	1-126-947-11	ELECT 47uF 20% 35V	
		< DIODE >		C26	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
D981	6-501-569-01	DIODE 1N5401-C352		C913	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
D982	6-501-569-01	DIODE 1N5401-C352		C914	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
D983	6-501-569-01	DIODE 1N5401-C352				< CONNECTOR >	
D984	6-501-569-01	DIODE 1N5401-C352		CN4	1-779-279-11	CONNECTOR, FFC (LIF (NON-ZIF)) 11P	
		< FUSE HOLDER >				< DIODE >	
FH983	1-533-223-51	FUSE HOLDER		D1	6-500-400-01	DIODE BAV99-215	
FH984	1-533-223-51	FUSE HOLDER		D2	6-500-400-01	DIODE BAV99-215	
FH985	1-533-223-51	FUSE HOLDER		D3	6-500-400-01	DIODE BAV99-215	
FH986	1-533-223-51	FUSE HOLDER				< IC >	
		< JACK >		IC1	6-717-974-01	IC SI4730-D60-GUR	
△ J981	1-843-190-11	INLET, AC (∼ AC IN) (RS70BT: E92, MX)		IC905	6-705-312-01	IC S-T111B33MC-OGSTFG	
△ J981	1-843-191-11	INLET, AC (∼ AC IN) (RS70BT: E41/RS70BTB)				< COIL/JUMPER RESISTOR >	
		< RESISTOR >		L1	1-481-337-21	INDUCTOR 33nH	
R981	1-216-827-11	METAL CHIP 3.3K 5% 1/10W		L2	1-469-757-21	INDUCTOR 10uH	
R984	1-216-827-11	METAL CHIP 3.3K 5% 1/10W		L3	1-469-846-11	INDUCTOR 47uH	
R985	1-216-827-11	METAL CHIP 3.3K 5% 1/10W		L5	1-412-975-31	INDUCTOR 0.47uH	
*****				L6	1-457-904-11	COIL, BAR ANTENNA (AM)	
		SOFT BOARD		L908	1-216-295-91	SHORT CHIP 0	
		*****				< RESISTOR >	
		< CONNECTOR >		R1	1-216-821-11	METAL CHIP 1K 5% 1/10W	
CN809	1-784-857-51	CONNECTOR, FFC (LIF (NON-ZIF)) 5P		R2	1-216-797-11	METAL CHIP 10 5% 1/10W	
CN810	1-784-365-51	CONNECTOR, FFC/FPC 5P		R3	1-216-821-11	METAL CHIP 1K 5% 1/10W	
*****				R4	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		A-1954-875-A TUNER BOARD, COMPLETE (RS70BT)		R5	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		*****		R6	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		3-249-551-02 HOLDER (PWB TU)		R7	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		4-281-472-01 SHIELD (PLATE)		R8	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		4-465-303-01 SPRING, ANTENNA		R9	1-216-828-11	METAL CHIP 3.9K 5% 1/10W	
		< CAPACITOR >		R10	1-216-828-11	METAL CHIP 3.9K 5% 1/10W	
C1	1-162-923-11	CERAMIC CHIP 47PF 5% 50V		R11	1-216-864-11	SHORT CHIP 0	
C2	1-162-923-11	CERAMIC CHIP 47PF 5% 50V		R12	1-216-864-11	SHORT CHIP 0	
C3	1-162-919-11	CERAMIC CHIP 22PF 5% 50V		R13	1-216-864-11	SHORT CHIP 0	
C4	1-162-919-11	CERAMIC CHIP 22PF 5% 50V				< VIBRATOR >	
C5	1-162-923-11	CERAMIC CHIP 47PF 5% 50V		X1	1-795-915-11	VIBRATOR, CRYSTAL (32.768 kHz)	
		*****		*****			
		MISCELLANEOUS					

C6	1-162-919-11	CERAMIC CHIP 22PF 5% 50V		ANT1	1-754-826-11	ANTENNA, TELESCOPIC	
C7	1-118-290-11	CERAMIC CHIP 0.001uF 10% 50V		BT1	X-2587-968-1	BLUETOOTH MODULE SUB ASSY	
C10	1-162-917-11	CERAMIC CHIP 15PF 5% 50V				(Including Bluetooth module, NFC) (See Note)	
C11	1-162-919-11	CERAMIC CHIP 22PF 5% 50V		△ F982	1-532-465-33	FUSE (T 3.15 AL/250 V)	
C12	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V		△ F983	1-532-388-33	FUSE (T 2 AL/250 V)	
C13	1-118-290-11	CERAMIC CHIP 0.001uF 10% 50V		FFC1	1-832-404-21	CABLE, FLEXIBLE FLAT (16 CORE)	
C14	1-162-923-11	CERAMIC CHIP 47PF 5% 50V					
C15	1-118-290-11	CERAMIC CHIP 0.001uF 10% 50V		FFC2	1-832-646-11	CABLE, FLEXIBLE FLAT (27 CORE)	
C16	1-162-919-11	CERAMIC CHIP 22PF 5% 50V		FFC3	1-832-565-21	CABLE, FLEXIBLE FLAT (11 CORE) (RS70BT)	
C17	1-162-919-11	CERAMIC CHIP 22PF 5% 50V		FFC3	1-846-967-11	FLEXIBLE FLAT CABLE (11P) (RS70BTB)	
C18	1-118-289-11	CERAMIC CHIP 0.1uF 10% 16V		FFC4	1-846-837-21	CABLE, FLEXIBLE FLAT (14 CORE)	
C19	1-118-290-11	CERAMIC CHIP 0.001uF 10% 50V		FFC5	1-839-492-21	CABLE, FLEXIBLE FLAT (8 CORE)	
C20	1-165-908-11	CERAMIC CHIP 1uF 10% 10V					
C22	1-162-966-91	CERAMIC CHIP 0.0022uF 10% 50V		FFC6	1-846-966-11	FLEXIBLE FLAT CABLE (11P)	
C24	1-162-966-91	CERAMIC CHIP 0.0022uF 10% 50V		FFC7	1-846-838-11	CABLE, FLEXIBLE FLAT (14P)	
				FFC8	1-832-535-21	CABLE, FLEXIBLE FLAT (5 CORE)	

Note: When Bluetooth module sub assy is replaced, refer to "NOTE OF REPLACING THE Bluetooth MODULE OR RC-S711 (NFC)" on page 5.

ZS-RS70BT/RS70BTB

Ref. No.	Part No.	Description	Remark
MAG1	1-452-899-11	MAGNET	
△ OP1	1-856-515-11	OPTICAL PICK-UP (EM101 RNSZS) (Including sled motor, spindle motor)	
S701	1-572-085-21	SWITCH, LEAF (LIMIT)	
S801	1-692-960-11	SWITCH, PUSH (1 KEY) (CD LID OPEN/CLOSE DETECT)	
SP101	1-858-925-11	LOUDSPEAKER (7.7 cm) (L-ch)	
SP201	1-858-925-11	LOUDSPEAKER (7.7 cm) (R-ch)	
△ T981	1-445-291-11	TRANSFORMER, POWER (E92, MX)	
△ T981	1-445-292-21	TRANSFORMER, POWER (E41, AEP, UK)	

ACCESSORIES			

△	1-835-070-22	CORD SET, POWER-SUPPLY (AC power cord) (UK)	
△	1-836-379-13	CORD, POWER (AC power cord) (E41, AEP)	
△	1-837-541-12	CORD, POWER (AC power cord) (E92, MX)	
	4-470-543-12	MANUAL, INSTRUCTION (ENGLISH) (AEP, UK)	
	4-470-543-22	MANUAL, INSTRUCTION (FRENCH) (AEP)	
	4-470-543-32	MANUAL, INSTRUCTION (SPANISH) (AEP)	
	4-470-543-42	MANUAL, INSTRUCTION (GERMAN) (AEP)	
	4-470-543-52	MANUAL, INSTRUCTION (ITALIAN) (AEP)	
	4-470-543-62	MANUAL, INSTRUCTION (SWEDISH) (AEP)	
	4-470-543-72	MANUAL, INSTRUCTION (DANISH) (AEP)	
	4-470-543-82	MANUAL, INSTRUCTION (FINNISH) (AEP)	
	4-470-543-92	MANUAL, INSTRUCTION (NORWEGIAN) (AEP)	
	4-470-545-12	MANUAL, INSTRUCTION (ENGLISH) (E41, E92)	
	4-470-545-21	MANUAL, INSTRUCTION (SPANISH) (E41, E92, MX)	

MEMO

REVISION HISTORY

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