CDX-GT373A

SERVICE MANUAL

E Model

Ver. 1.0 2008.03

- The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	CDX-GT272
CD Drive Mechanism Type	MG-101TC-188//C
Optical Pick-up Name	DAX-25A

SPECIFICATIONS

CD Player section

Signal-to-noise ratio: 120 dB
Frequency response: 10 – 20,000 Hz
Wow and flutter: Below measurable limit

Tuner section

FM
Tuning range:
87.5 – 107.9 MHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 10.7 MHz/450 kHz
Usable sensitivity: 9 dBf
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio:
67 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz:
0.5 % (stereo), 0.3 % (mono)
Separation: 35 dB at 1 kHz
Frequency response: 30 – 15,000 Hz
AM
Tuning range: 530 – 1,710 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 10.7 MHz/450 kHz
Sensitivity: 30 µV

Power amplifier section

Outputs: Speaker outputs (sure seal connectors)
Speaker impedance: 4 – 8 ohms
Maximum power output: 52 W × 4 (at 4 ohms)

General

Outputs:
Audio outputs terminal (front, sub/rear switchable)
Power antenna (aerial) relay control terminal
Power amplifier control terminal
Inputs:
Antenna (aerial) input terminal
AUX input jack (stereo mini jack)
Tone controls:
Low: ±10 dB at 60 Hz (XPLOD)
Mid: ±10 dB at 1 kHz (XPLOD)
High: ±10 dB at 10 kHz (XPLOD)
Power requirements: 12 V DC car battery (negative ground (earth))
Dimensions: Approx. 178 × 50 × 179 mm ($7\ 1/8 \times 2 \times 7\ 1/8$ in.) (w/h/d)
Mounting dimensions: Approx. 182 × 53 × 162 mm ($7\ 1/4 \times 2\ 1/8 \times 6\ 1/2$ in.) (w/h/d)
Mass: Approx. 1.2 kg (2 lb 11 oz)
Supplied accessories:
Card remote commander: RM-X151
Parts for installation and connections (1 set)

Design and specifications are subject to change without notice.

FM/AM COMPACT DISC PLAYER

9-889-023-01
2008C04-1

Sony Corporation
Audio Business Group
Published by Sony Techno Create Corporation

SONY®

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

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.

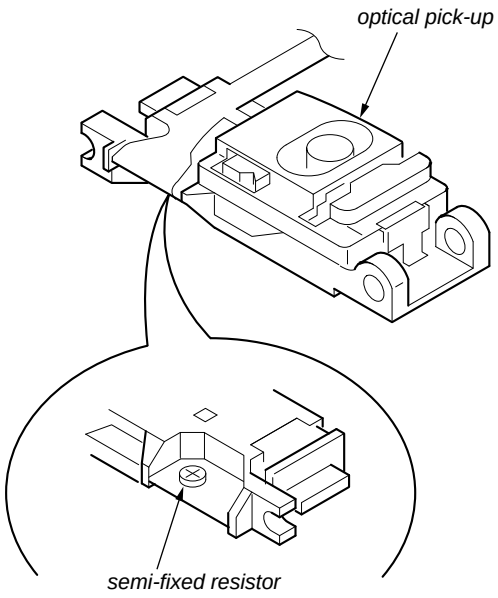
TEST DISCS

Please use the following test discs for the check on the CD section.

YDES-18 (Part No. 3-702-101-01)
PATD-012 (Part No. 4-225-203-01)

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

If the optical pick-up block is defective, please replace the whole optical pick-up block.
Never turn the semi-fixed resistor located at the side of optical pick-up block.



This compact disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the exterior.

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

- **CD playback**
  You can play CD-DA (also containing CD TEXT) and CD-R/CD-RW (MP3/WMA files).

Type of discs	Label on the disc
CD-DA	COMPACT disc DIGITAL AUDIO Recordable / COMPACT disc DIGITAL AUDIO ReWritable
MP3 WMA	COMPACT disc DIGITAL AUDIO Recordable / COMPACT disc DIGITAL AUDIO ReWritable COMPACT disc Recordable / COMPACT disc ReWritable

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

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

SAFETY-RELATED COMPONET 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.

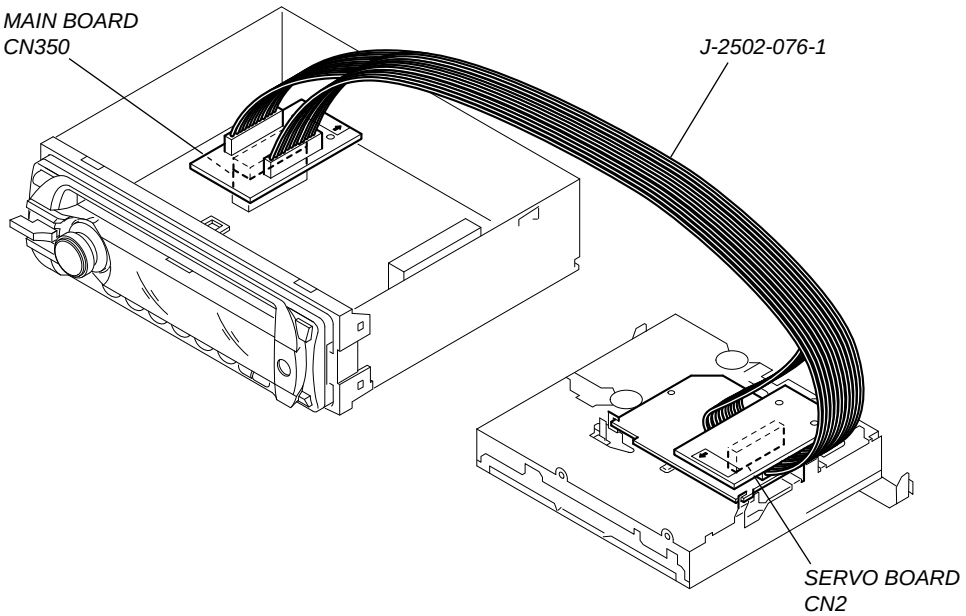
TABLE OF CONTENTS

SECTION 1
SERVICE NOTE

EXTENSION CABLE AND SERVICE POSITION

When repairing or servicing this set, connect the jig (extension cable) as shown below.

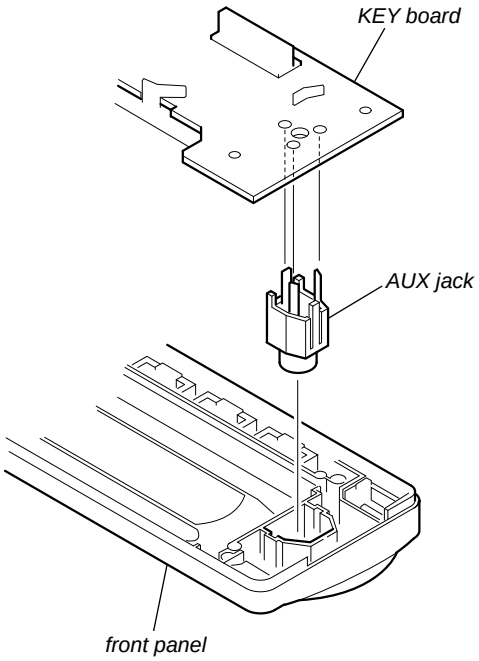
- Connect the MAIN board (CN350) and the SERVO board (CN2) with the extension cable (Part No. J-2502-076-1).



NOTE FOR REPLACEMENT OF THE AUX JACK (J901)

To replace the AUX jack requires alignment.

1. Insert the AUX jack into the KEY board.
2. Place the KEY board on the front panel.
3. Solder the three terminals of the jack.



NOTE FOR REPLACEMENT OF THE SERVO BOARD

When repairing, the complete SERVO board (A-1201-631-A) should be replaced since any parts in the SERVO board cannot be repaired.

NOTE FOR THE 15-PIN CONNECTOR (CN901)

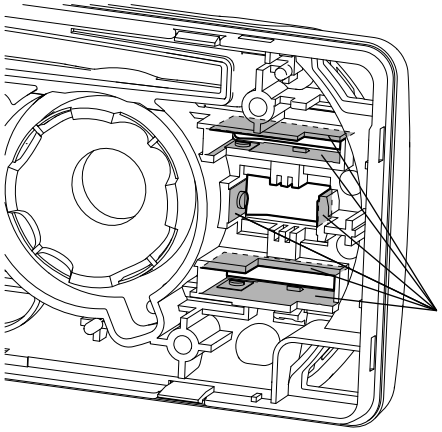
Do not use alcohol to clean the 15-pin connector (CN901) connecting the front panel with the main body.

Do not touch the connector directly with your bare hand. Poor contact may be caused.

NOTE FOR REPLACEMENT OF THE FRONT PANEL AND BUTTONS

When any of the following parts have been replaced, apply the HANARL SFL-9A (Part No.7-400-000-00) to the specified position.

- PANEL (SV) ASSY
- LAVEL (SEEK)
- BUTTON (SOURCE)
- BUTTON (MODE)
- LAVER (BASE)
- BUTTON (INNER)



please apply the HANARL SFL-9A (Part No.7-400-000-00) to the specified position.

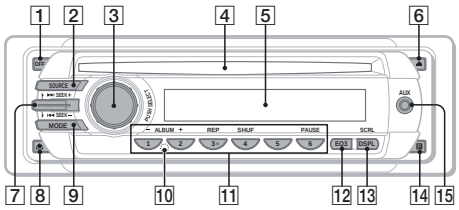
SECTION 2
GENERAL

This section is extracted from instruction manual.

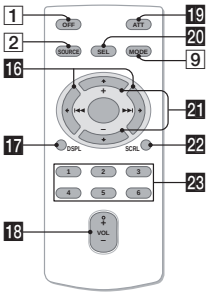
• LOCATION OF CONTROLS

Location of controls and basic operations

Main unit



Card remote commander RM-X151



This section contains instructions on the location of controls and basic operations.
For details, see the respective pages.
The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **OFF button**
To power off; stop the source.

2 **SOURCE button**
To power on; change the source (Radio/CD/AUX).

3 **Volume control dial/select button** page 8, 10
To adjust volume (rotate); select setup items (press and rotate).

4 **Disc slot**
Insert the disc (label side up), playback starts.

5 **Display window**

6 **⏏ (eject) button**
To eject the disc.

7 **SEEK +/– control**
CD:
To skip tracks (push up/down); skip tracks continuously (push up/down, then push up/down again within about 1 second and hold); reverse/fast-forward a track (push up/down and hold).
Radio:
To tune in stations automatically (push up/down); find a station manually (push up/down and hold).

8 **⏏ (front panel release) button** page 5

9 **MODE button** page 8
To select the radio band (FM/AM).

10 **RESET button** (located behind the front panel) page 4

11 **Number buttons**
CD:
①/②: **ALBUM –/+** (during MP3/WMA playback)
To skip albums (press); skip albums continuously (press and hold).
③: **REP** page 8
④: **SHUF** page 8
⑥: **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).

12 **EQ3 (equalizer) button** page 10
To select an equalizer type (XPLOD, VOCAL, EDGE, CRUISE, SPACE, GRAVITY, CUSTOM or OFF).

13 **DSPL (display)/SCRL (scroll) button** page 8
To change display items (press); scroll the display item (press and hold).

14 **Receptor for the card remote commander**

15 **AUX input jack** page 11
To connect a portable audio device.

The following buttons on the card remote commander have also different buttons/functions from the unit. Remove the insulation film before use (page 4).

16 **⬅ (I◀◀)/➡ (▶▶I) buttons**
To control CD/radio, the same as (SEEK) +/– control on the unit.
Setup, sound setting, etc., can be operated by ⬅ ➡.

17 **DSPL (display) button**
To change display items.

18 **VOL (volume) +/– button**
To adjust volume.

19 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

20 **SEL (select) button**
The same as the select button on the unit.

21 **⬆ (+)/⬇ (–) buttons**
To control CD, the same as ①/② (ALBUM –/+) on the unit.
Setup, sound setting, etc., can be operated by ⬆⬇.

22 **SCRL (scroll) button**
To scroll the display item.

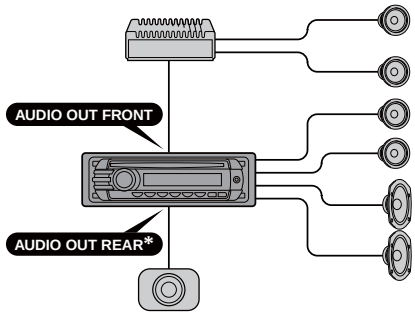
23 **Number buttons**
To receive stored stations (press); store stations (press and hold).

Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

• CONNECTIONS

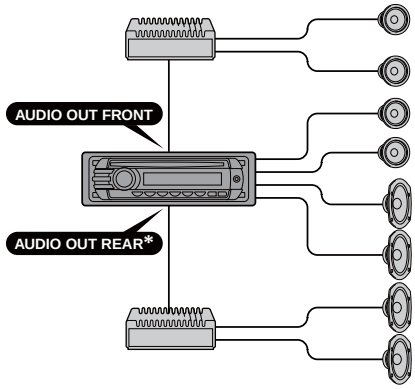
2

A



** AUDIO OUT SUB/REAR*

B



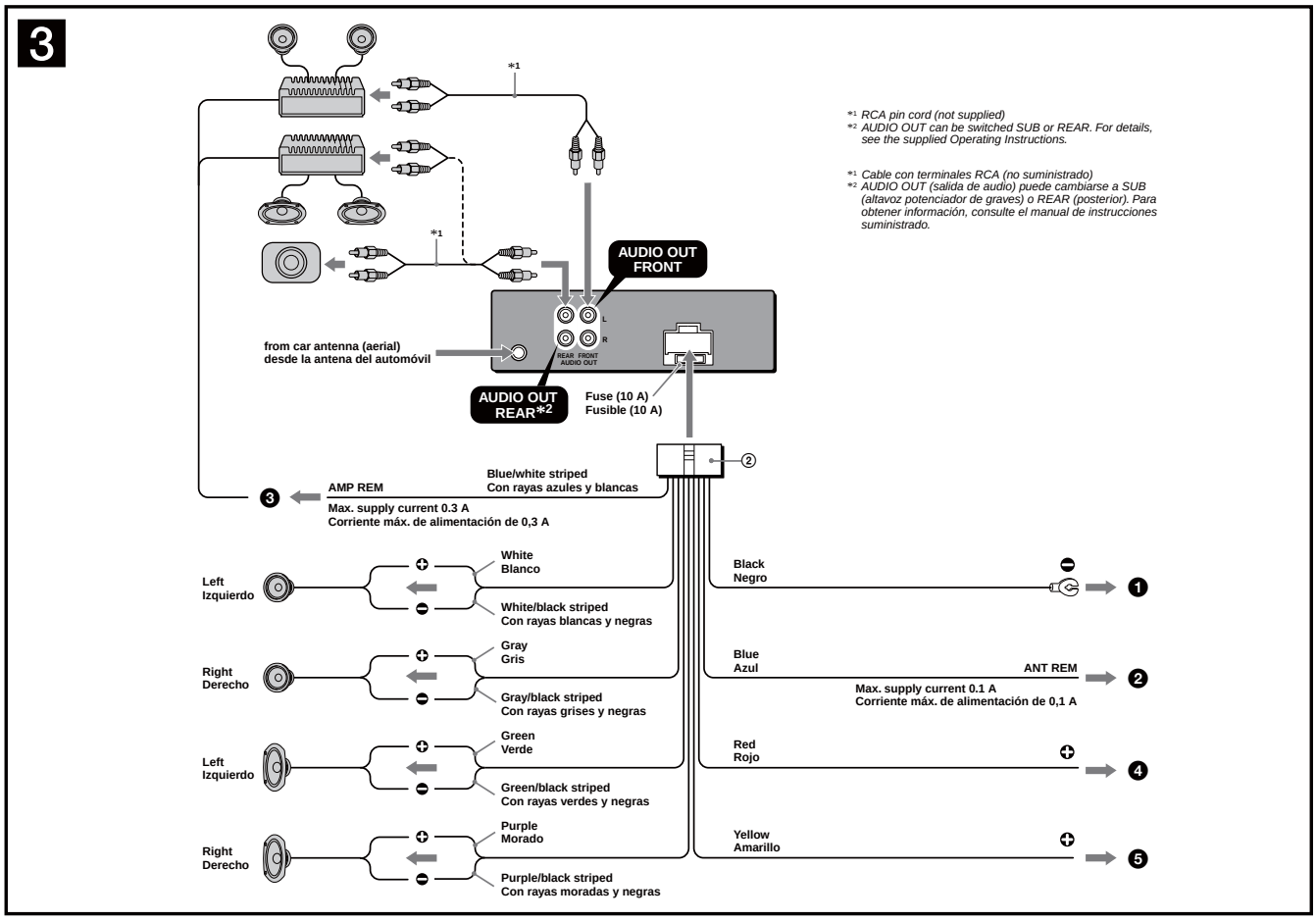
** AUDIO OUT SUB/REAR*

Connection example 2

Notes
- *Be sure to connect the ground (earth) lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

Ejemplo de conexiones 2

Notas
- *Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.*
- *La alarma sonará únicamente si se utiliza el amplificador incorporado.*



*¹ RCA pin cord (not supplied)
*² AUDIO OUT can be switched SUB or REAR. For details, see the supplied Operating Instructions.

*¹ Cable con terminales RCA (no suministrado)
*² AUDIO OUT (salida de audio) puede cambiarse a SUB (altavoz potenciador de graves) o REAR (posterior). Para obtener información, consulte el manual de instrucciones suministrado.

Connection diagram 3

❶ To a metal surface of the car
First connect the black ground (earth) lead, then connect the yellow, and red power supply leads.

❷ To the power antenna (aerial) control lead or power supply lead of antenna (aerial) booster amplifier

Notes
- *It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).*
- *When your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*

❸ To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

❹ To the +12 V power terminal which is energized in the accessory position of the ignition key switch

Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black ground (earth) lead to a metal surface of the car first.*
- *When your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*

❺ To the +12 V power terminal which is energized at all times
Be sure to connect the black ground (earth) lead to a metal surface of the car first.

Notes on the control and power supply leads
- *The power antenna (aerial) control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/AM antenna (aerial) in the rear/side glass, connect the power antenna (aerial) control lead (blue) or the accessory power supply lead (red) to the power terminal of the existing antenna (aerial) booster. For details, consult your dealer.*
- *A power antenna (aerial) without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the ground (earth) lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Diagrama de conexión 3

❶ A una superficie metálica del automóvil
Conecte primero el cable de conexión a masa negro, y después los cables amarillo y rojo de fuente de alimentación.

❷ Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena

Notas
- *Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.*
- *Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

❸ A AMP REMOTE IN de un amplificador de potencia opcional
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.

❹ Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de encendido

Notas
- *Si no hay posición de accesorio, conéctelo al terminal de alimentación (batería) de +12 V que recibe energía sin interrupción.*
  Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.
- *Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

❺ Al terminal de alimentación de +12 V que recibe energía sin interrupción
Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.

Notas sobre los cables de control y de fuente de alimentación
- *El cable de control de la antena motorizada (azul) suministrará cc de + 12 V cuando conecte la alimentación del sintonizador.*
- *Si el automóvil dispone de una antena de FM/AM incorporada en el cristal trasero o lateral, conecte el cable de control de antena motorizada (azul) o el cable de fuente de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener más información, consulte a su distribuidor.*
- *Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.*

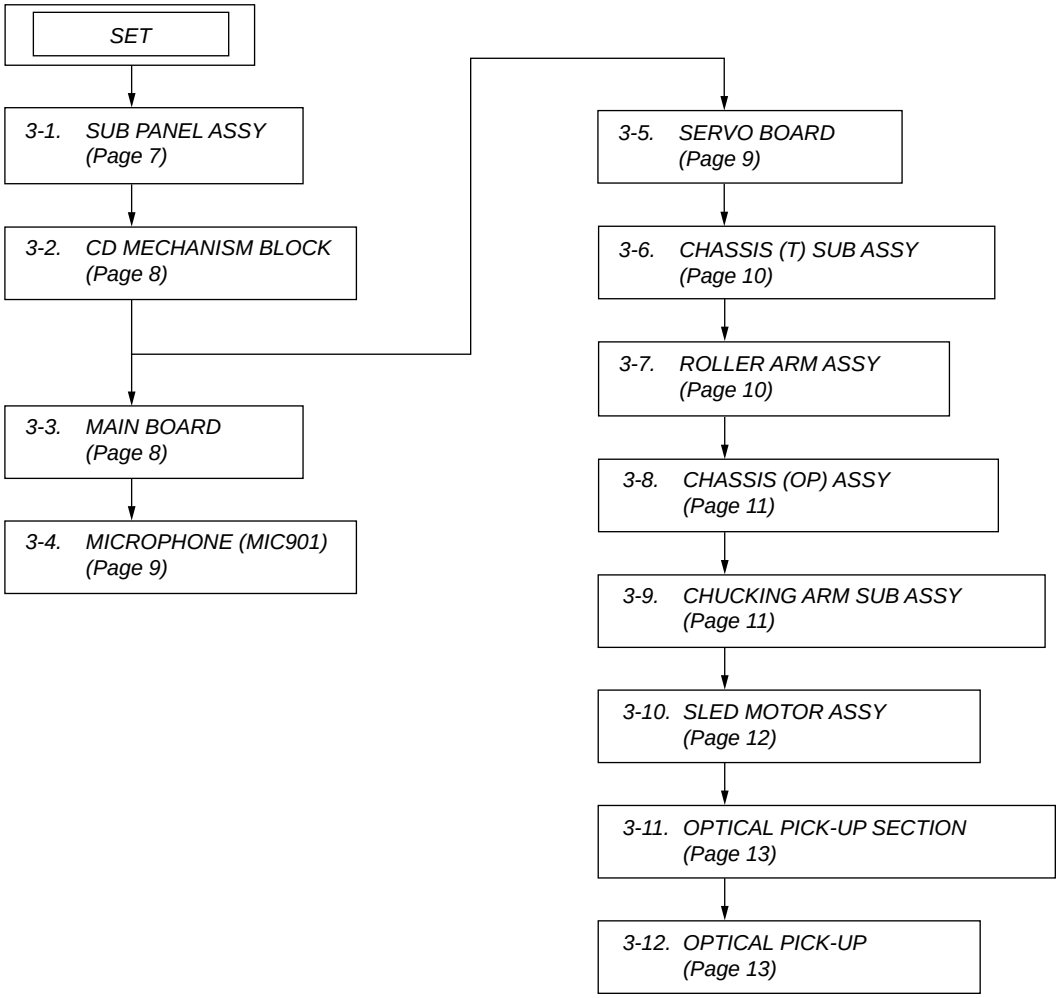
Conexión para protección de la memoria
Si conecta el cable de fuente de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague el interruptor de encendido.

Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.*
- *No conecte los terminales de altavoz al chasis del automóvil, ni conecte los terminales del altavoz derecho con los del izquierdo.*
- *No conecte el cable de conexión a masa de esta unidad al terminal negativo (–) del altavoz.*
- *No intente conectar los altavoces en paralelo.*
- *Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.*
- *Para evitar fallas de funcionamiento, no utilice los cables de altavoz incorporados instalados en el automóvil si la unidad comparte un cable negativo común (–) para los altavoces derecho e izquierdo.*
- *No conecte los cables de altavoz de la unidad entre sí.*

Nota sobre la conexión
Si el altavoz no está conectado correctamente, aparecerá "FAILURE" en la pantalla. Si es así, compruebe la conexión del altavoz.

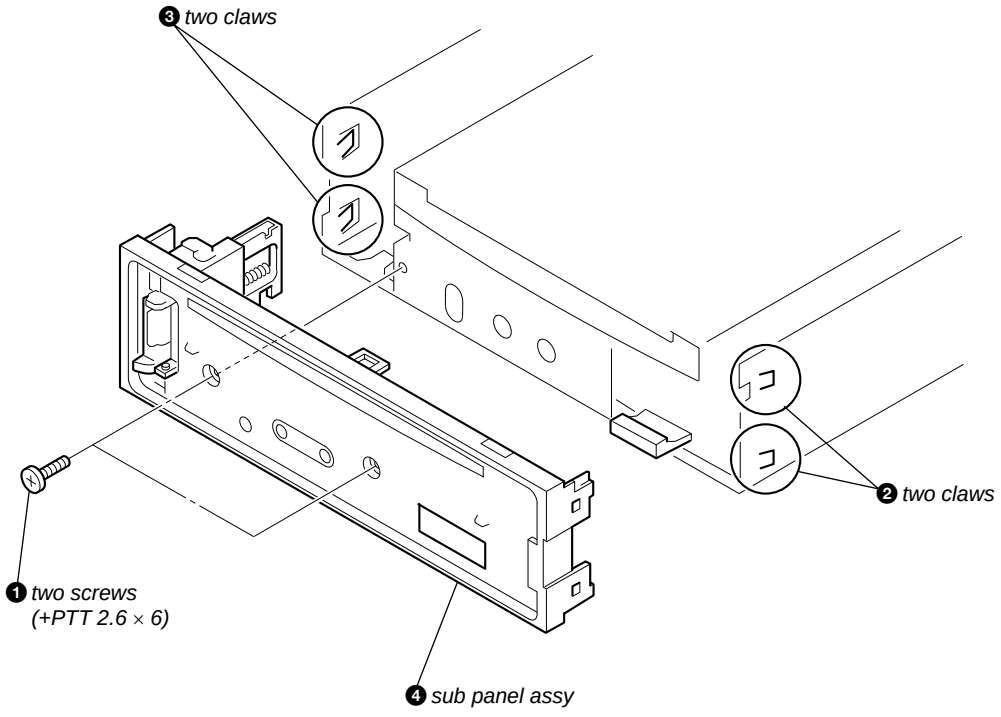
SECTION 3
DISASSEMBLY

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

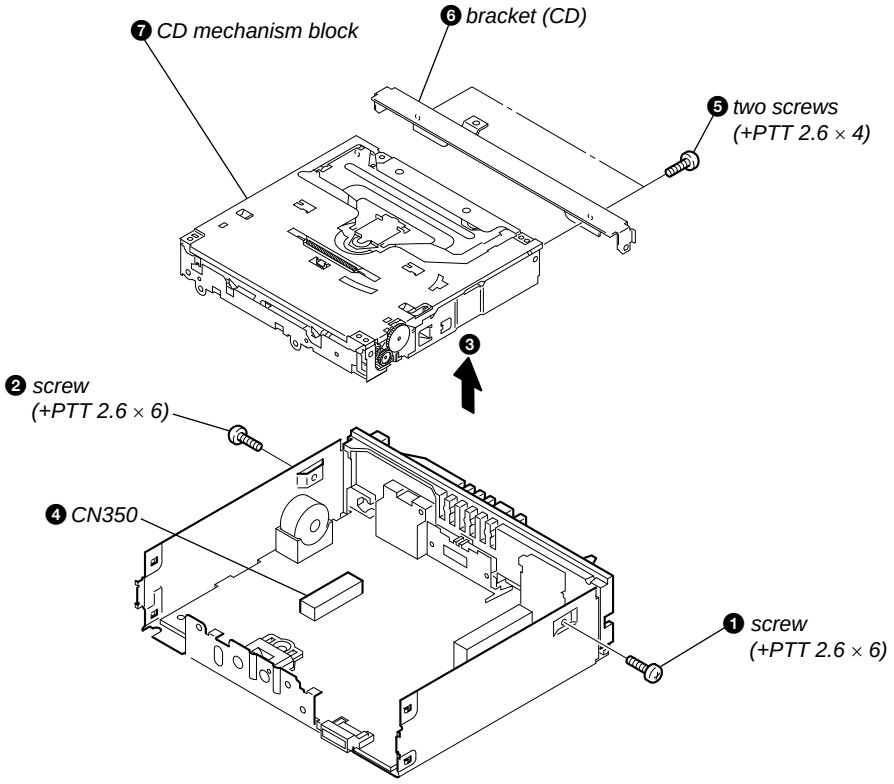


Note: Follow the disassembly procedure in the numerical order shown below.

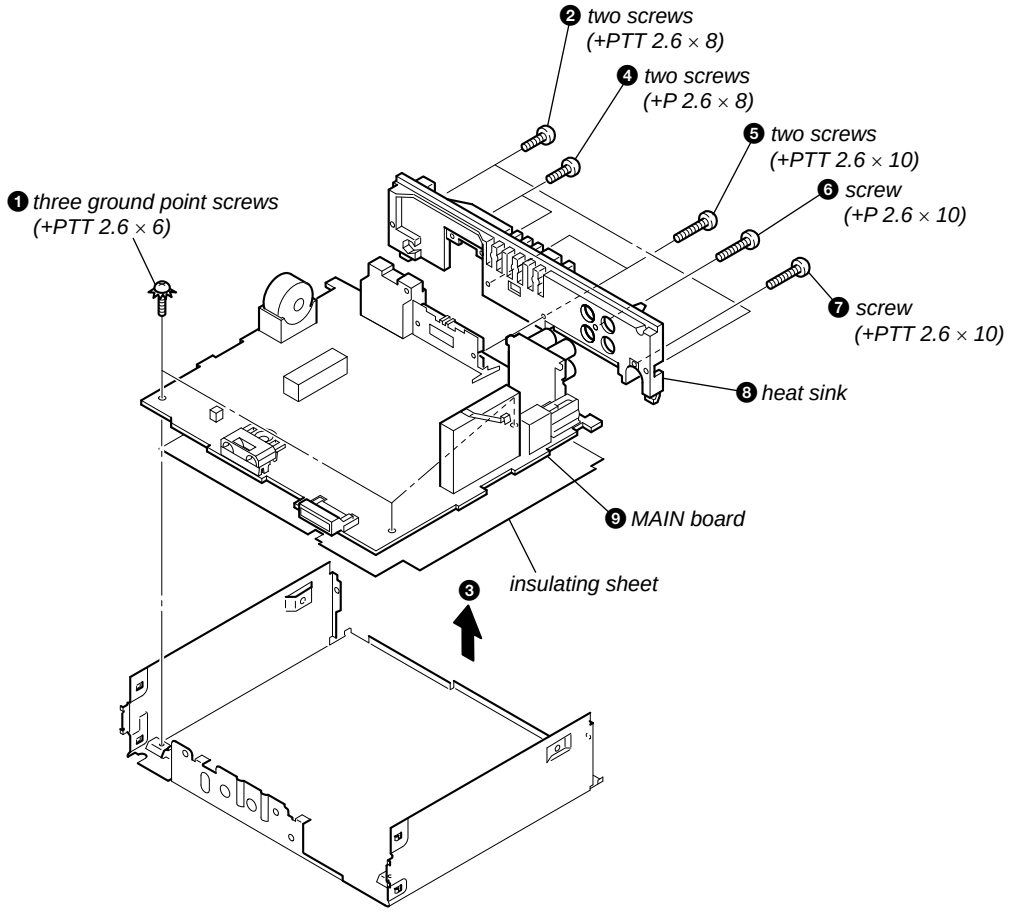
3-1. SUB PANEL ASSY



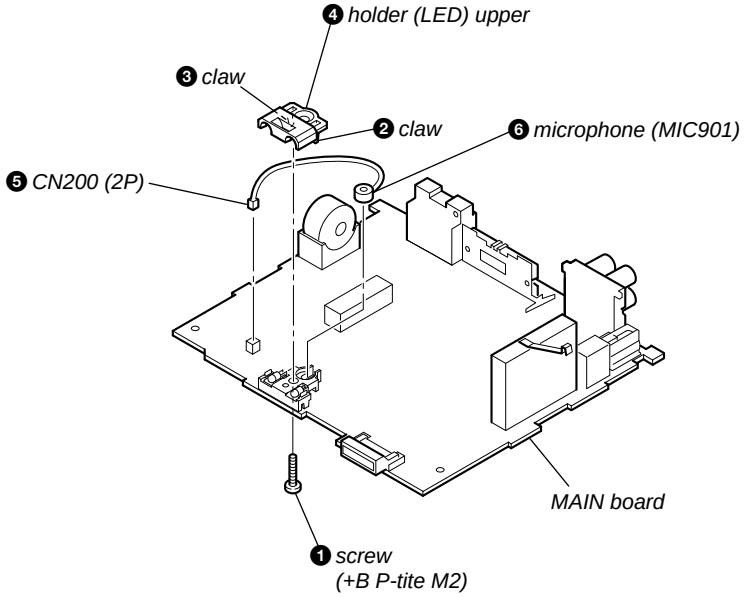
3-2. CD MECHANISM BLOCK



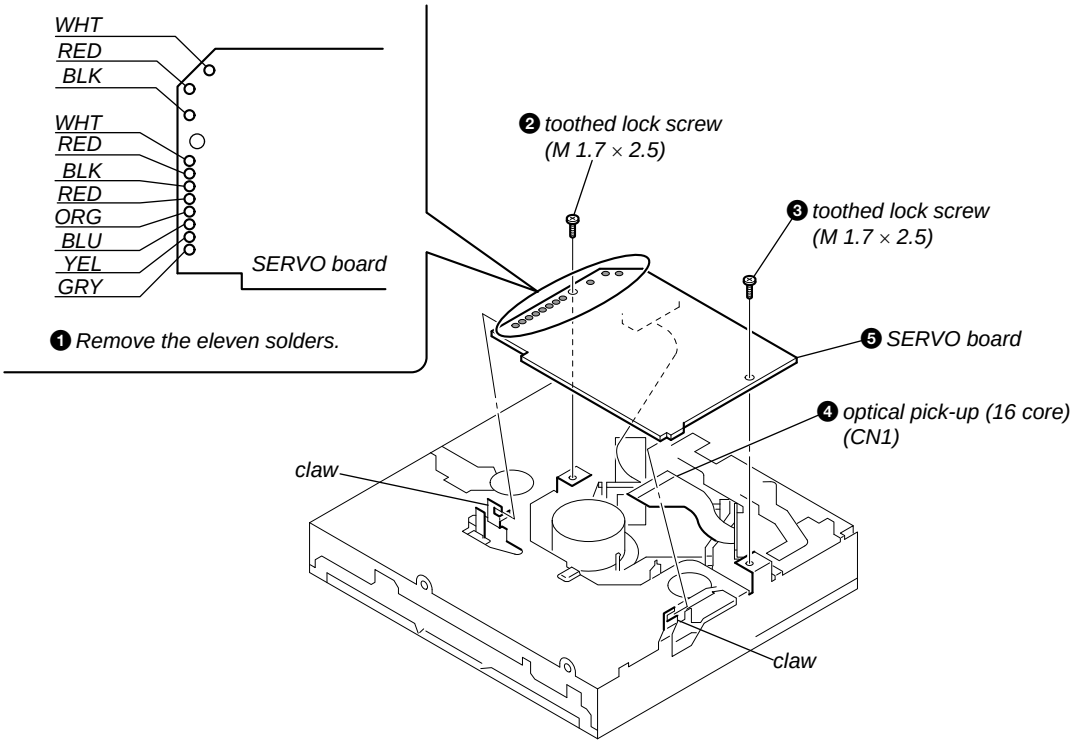
3-3. MAIN BOARD



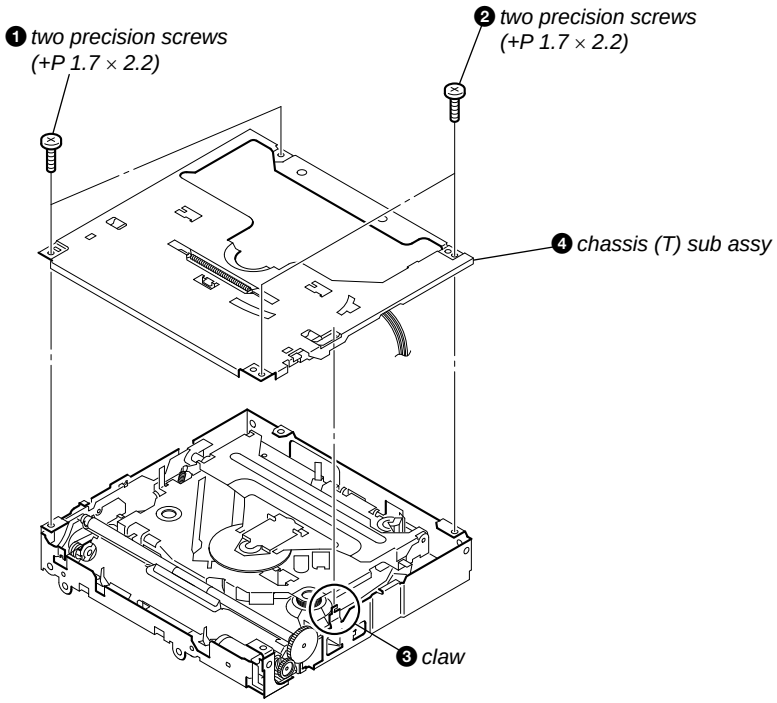
3-4. MICROPHONE (MIC901)



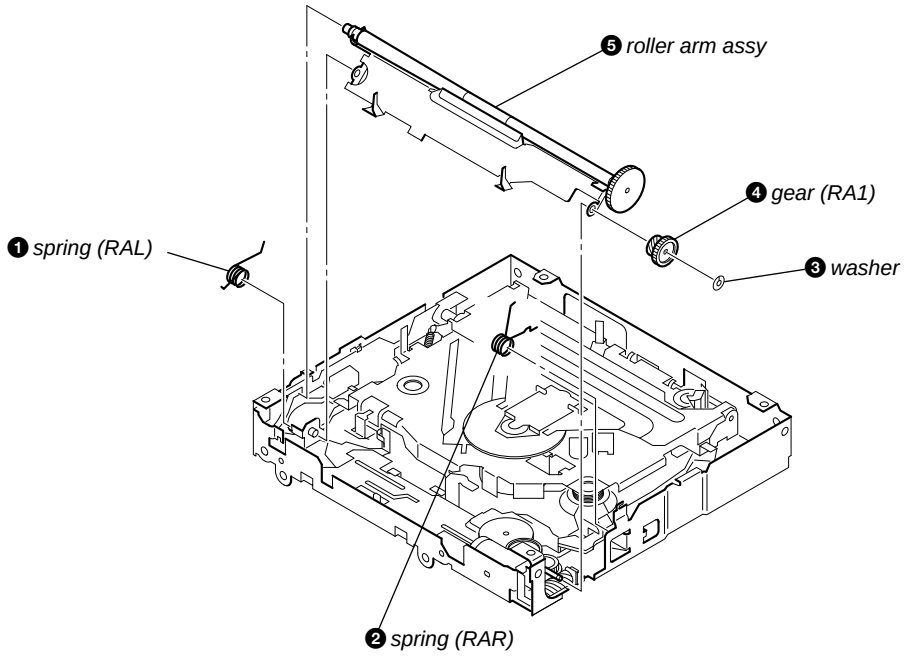
3-5. SERVO BOARD



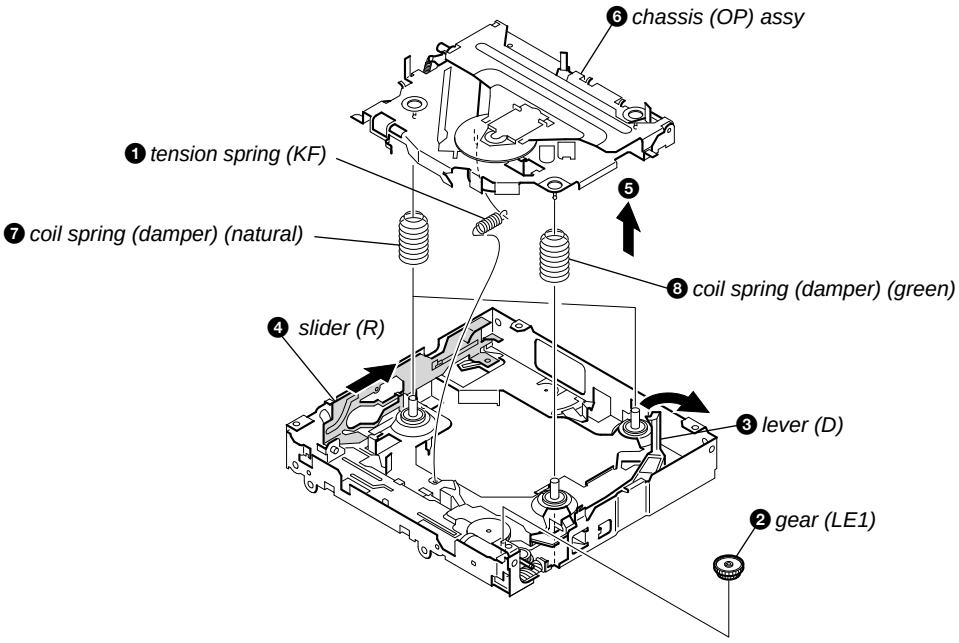
3-6. CHASSIS (T) SUB ASSY



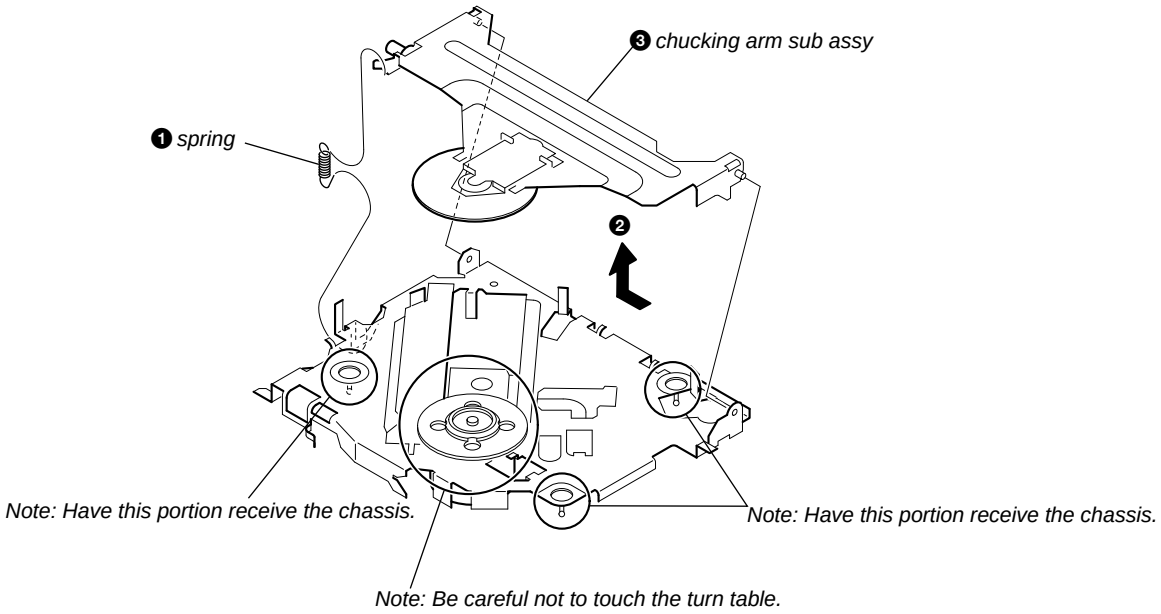
3-7. ROLLER ARM ASSY



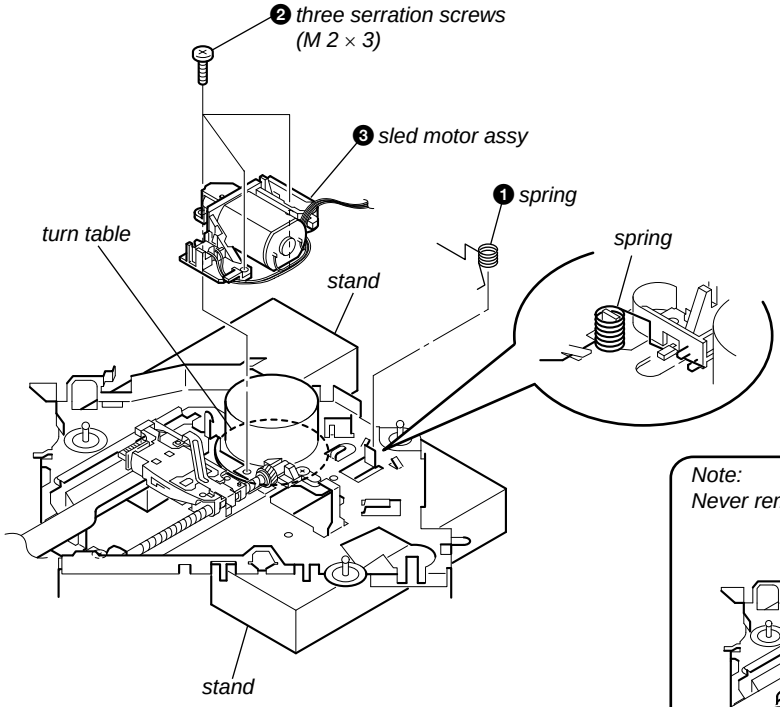
3-8. CHASSIS (OP) ASSY



3-9. CHUCKING ARM SUB ASSY

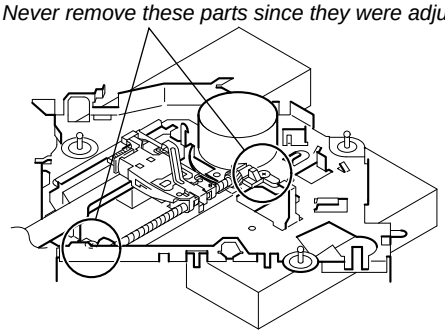


3-10. SLED MOTOR ASSY

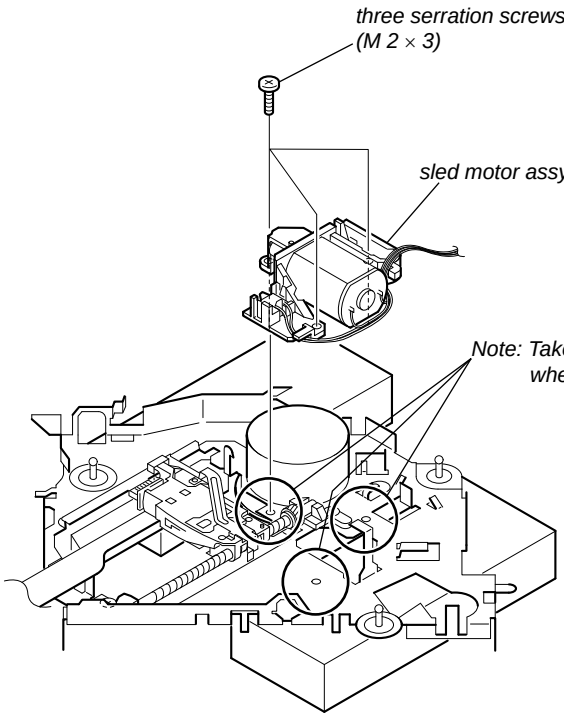


Note: Place the stand with care not to touch the turn table.

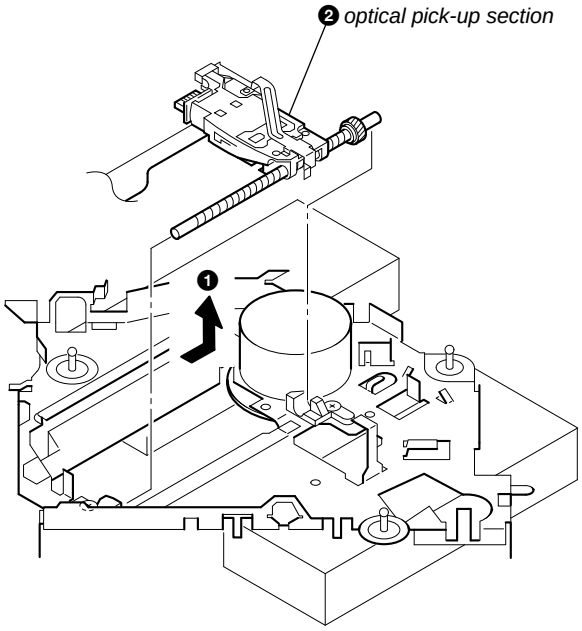
Note:
Never remove these parts since they were adjusted.

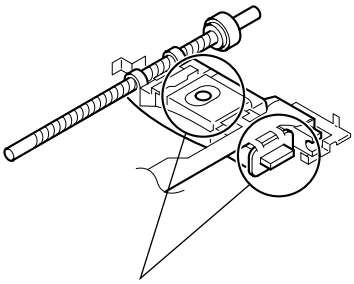


Note for Assembly



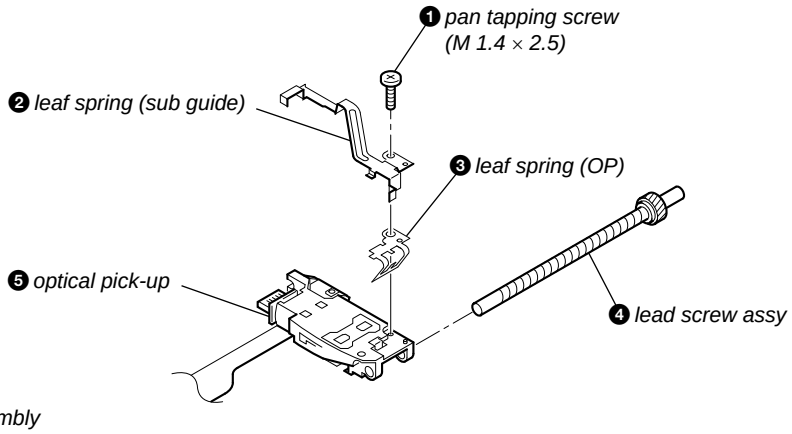
3-11. OPTICAL PICK-UP SECTION



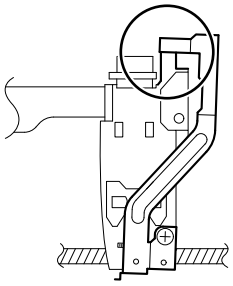


Note: Be careful not to touch the lens and hologram terminal when removing the optical pick-up section.

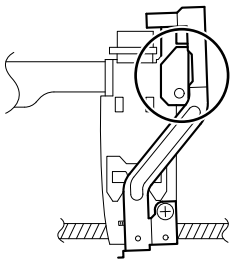
3-12. OPTICAL PICK-UP



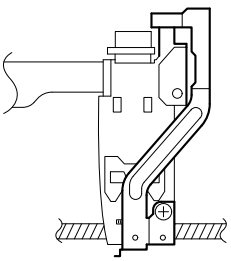
Notes for Assembly



Prevent the end of the leaf spring (sub guide) from being in contact with the OP slide base.



Prevent the end of the leaf spring (sub guide) from being in contact with the OP slide base.



There is space at the end of the leaf spring (sub guide) to avoid contact with the slide.

SECTION 4
DIAGNOSIS FUNCTION

Description of the Diagnostics function:

1. Setting the Diag display mode

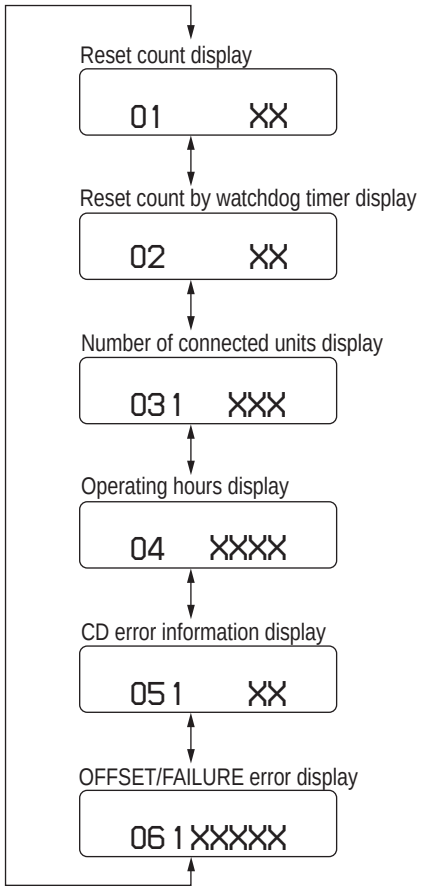
With the power off, press the [4] button, [5] button, and [4] button on the set body or the remote control (for more than 2 seconds) in turn.

2. Canceling the Diag display mode

During the Diag function mode, press the [OFF] button.

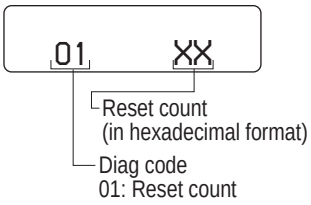
3. Initial display in the Diag display mode.

Just when the Diag mode is entered, "reset count" is displayed. The display mode is switched by each rotation of [▶▶I SEEK +] or [I◀◀ SEEK –] keys.

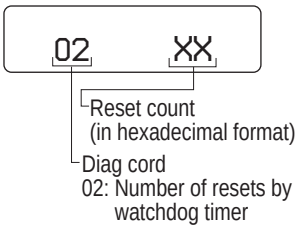


4. Contents of each display mode

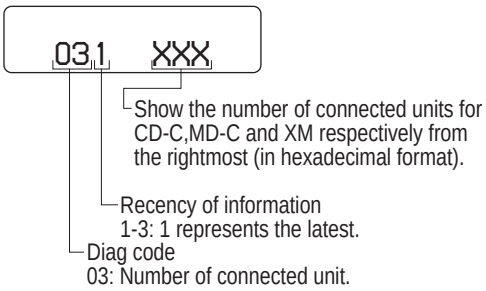
4-1. Reset count display mode



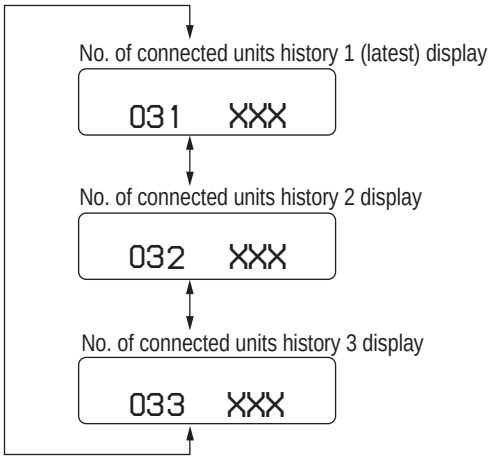
4-2. Reset count by watchdog timer display mode



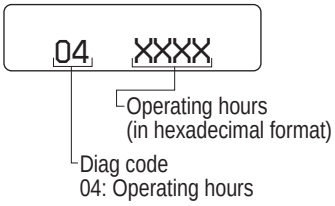
4-3. Number of connected units display mode



The display mode is switched by each rotation of [2/ALBM+] or [1/ALBM–] keys during the number of connected units display mode.

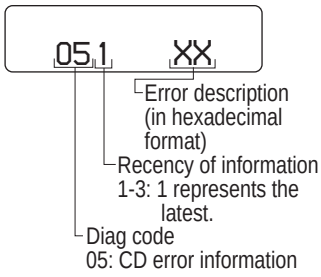


4-4. Operating hours display mode



4-5. CD error information display mode

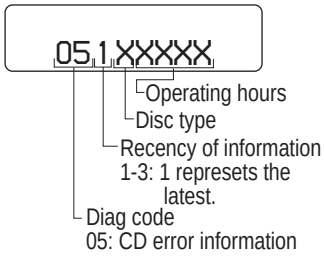
4-5-1. Error description



Error information

Indication	Description
1X	SERVO ERROR
3X	LOADING ERROR
4X	TRACK JUMP
5X	TEXT ERROR
FX	MECHA ERROR

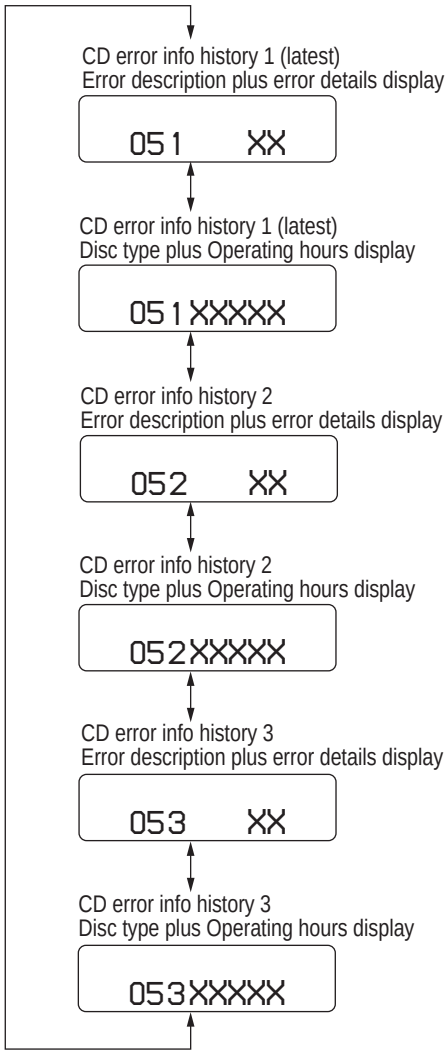
4-5-2. Disc type and operating hours



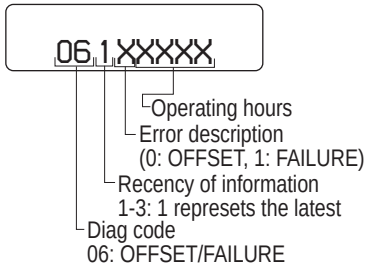
Disc type

Indication	Disc type
0	MP3
1	WMA
2	AAC
3	ATRAC
8	CD/DA
F	UNKNOWN

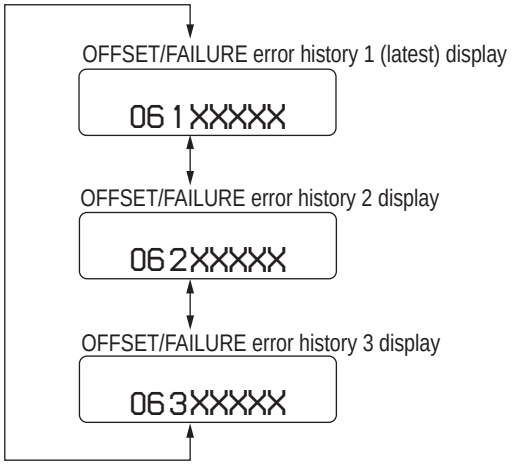
The display mode is switched by each rotation of [2/ALBM+] or [1/ALBM–] keys during the CD error information display mode.



4-6. OFFSET/FAILURE error display mode



The display mode is switched by each rotation of [2/ALBM+] or [1/ALBM–] keys during the OFFSET/FAILURE error display mode.

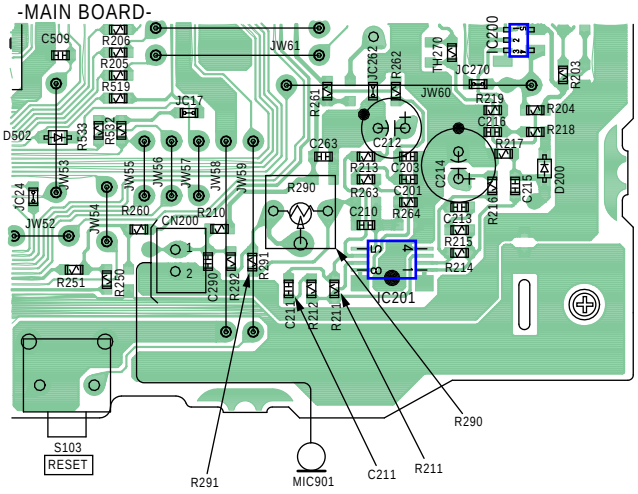


SECTION 5
ELECTRICAL ADJUSTMENTS

MIC SENSITIVITY ADJUSTMENT

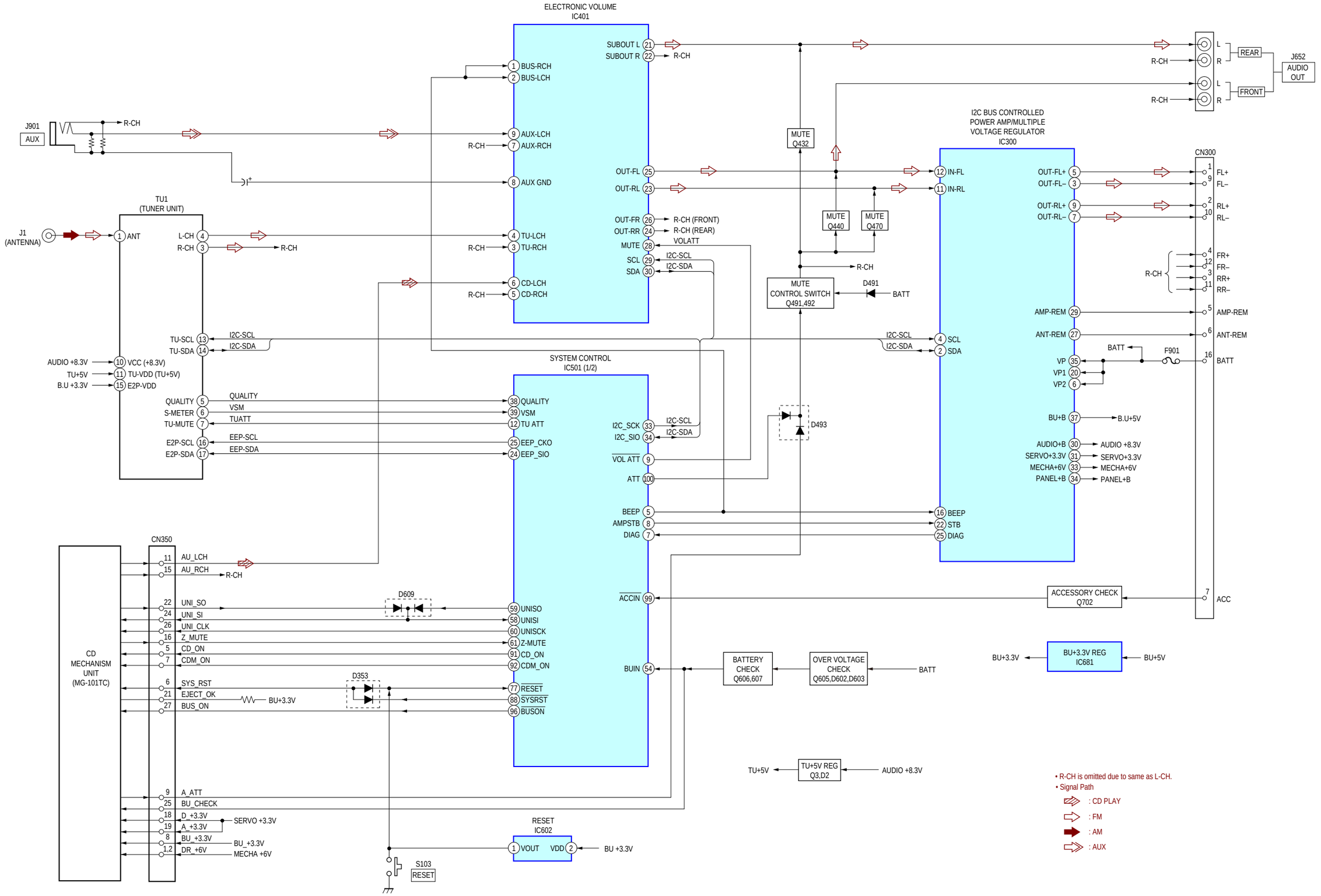
•Replace all of the follwing parts at the same time when replacing the microphone (MIC901) or if there is any faulty semi-fixed resistor (R290) .

- MIC901 : Part No. 1-542-689-41
- R211 : 6.8 kΩ ⟶ 3.3 kΩ, No. 1-218-859-11
- R290 : 47 kΩ ⟶ No mount
- R291 : No mount ⟶ 0 Ω, No. 1-216-864-11
- C211 : 0.1 µF, ⟶ 0.22 µF, Part No. 1-127-715-11

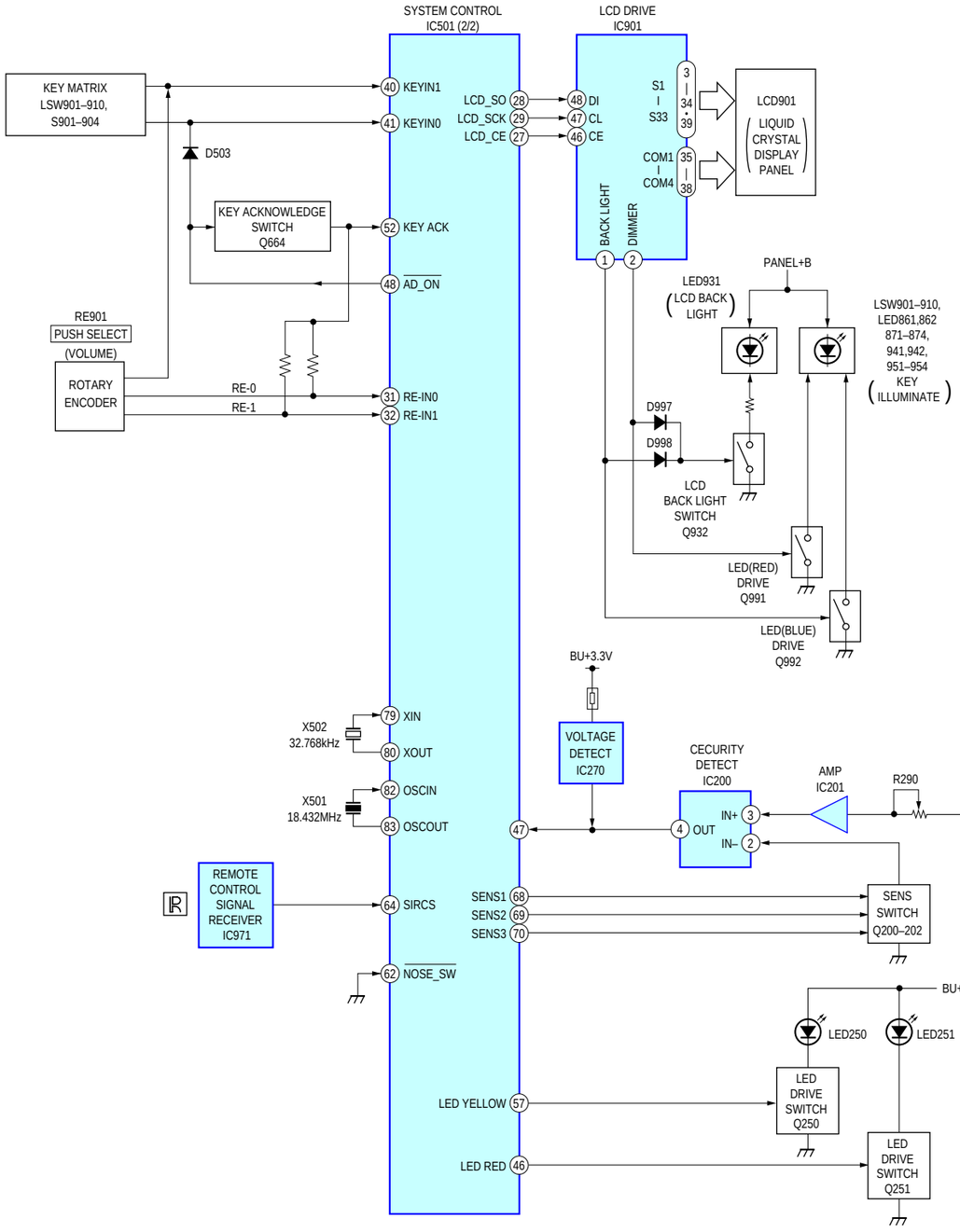


SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM – MAIN Section –



6-2. BLOCK DIAGRAM – DISPLAY Section –



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.

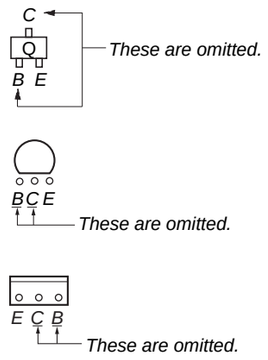
Note:

- ○——— : Parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ○ : Through hole.
- ▭ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:

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

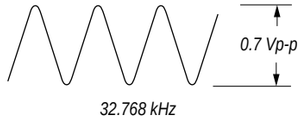
- Indication of transistor.



- **Waveforms**

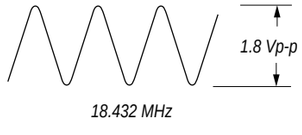
– MAIN Board –

① IC501 ⑧⓪ (XOUT)



0.5 V/DIV, 20 µsec/DIV

② IC501 ⑧③ (OSC OUT)



0.5 V/DIV, 20nsec/DIV

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.

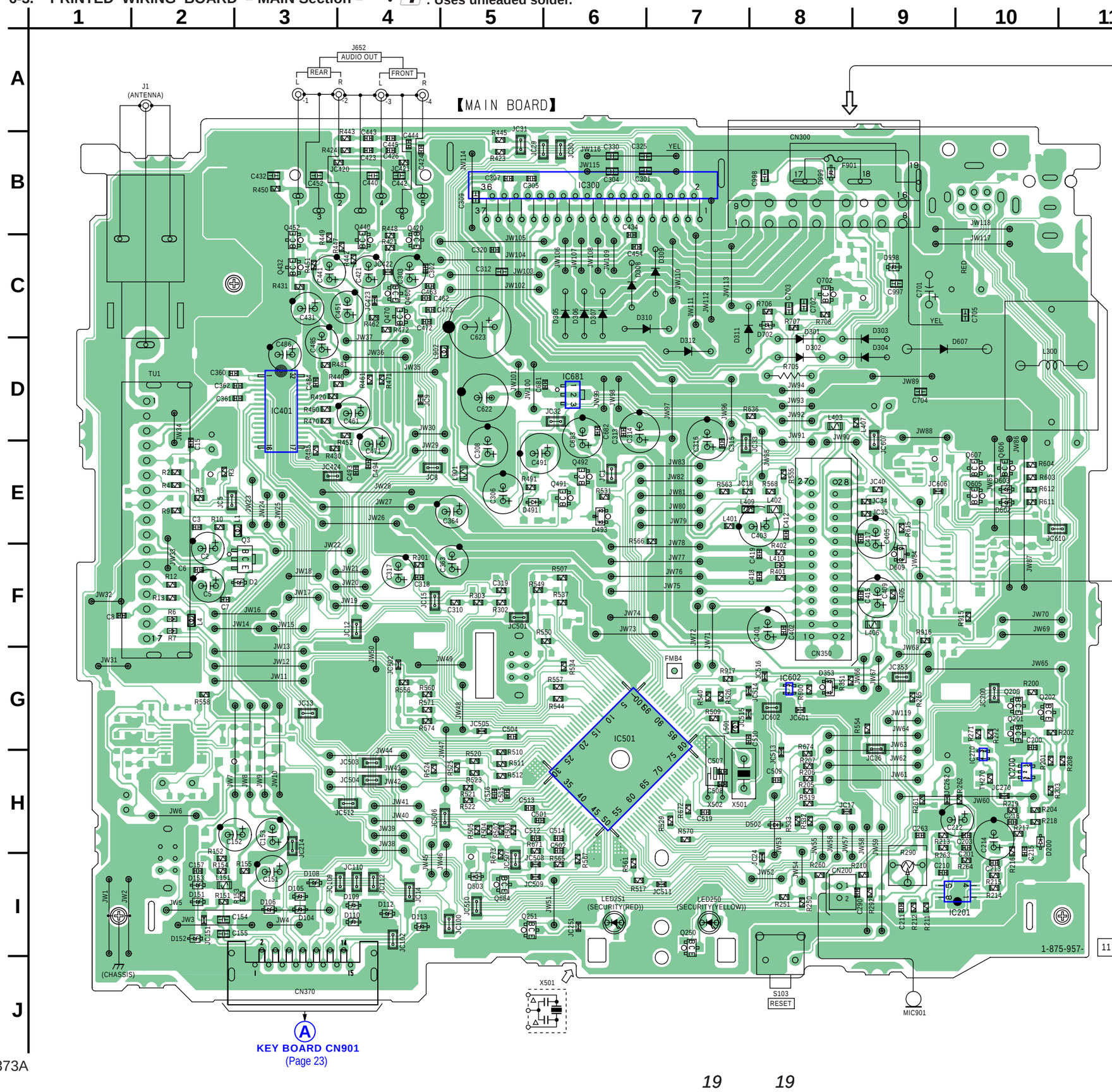
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
  < > : CD PLAY
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇛ : CD PLAY
  ⇨ : FM
  ➡ : AM
  ⇨ : AUX

Refer to the MIC SENSITIVITY ADJUSTMENT described on page 16 if the microphone (MIC901) or any semi-fixed resistor (R290) is faulty.

6-3. PRINTED WIRING BOARD – MAIN Section –

• : Uses unleaded solder.

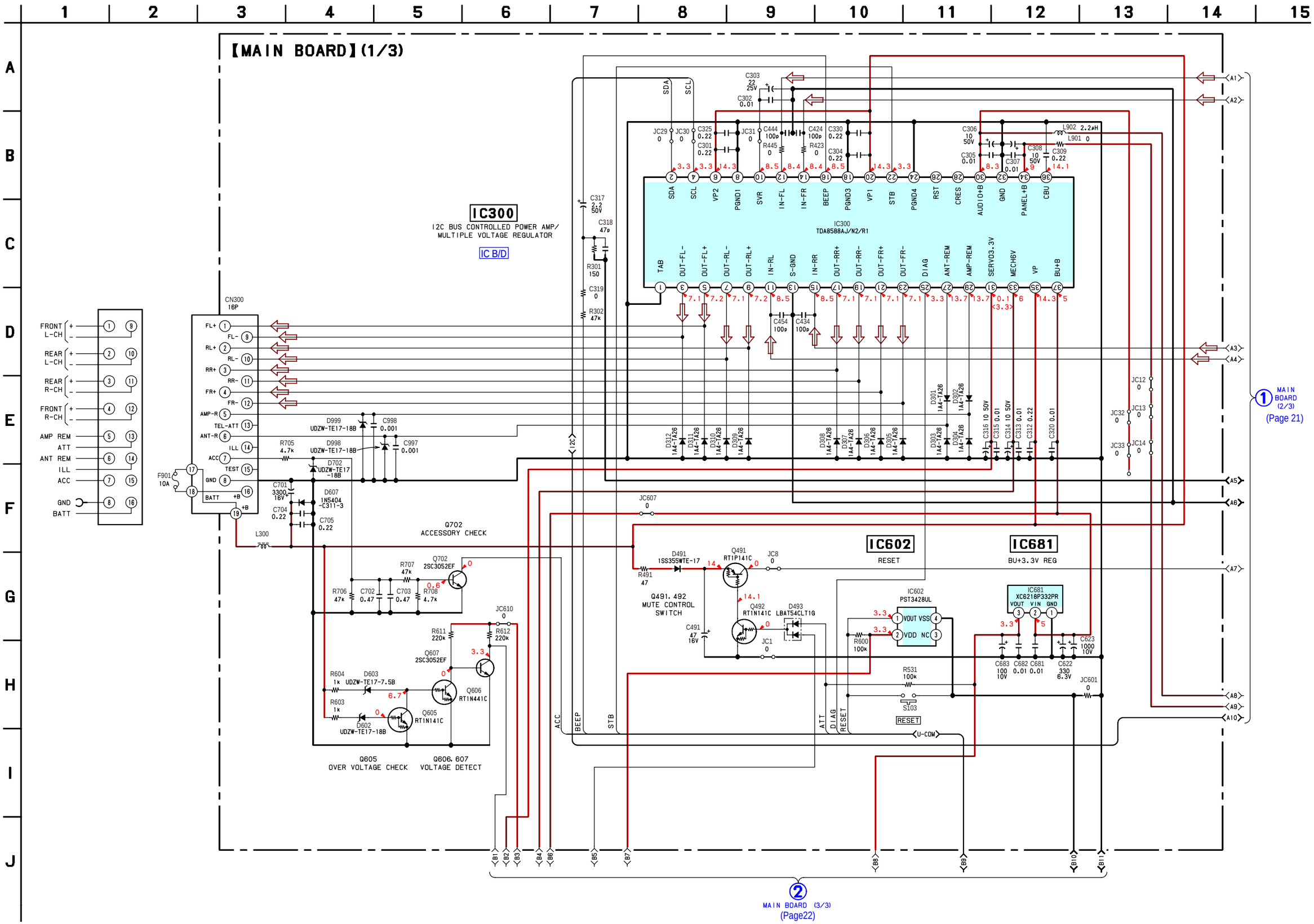


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D2	F-3	D998	C-9
D104	I-3	D999	B-8
D105	I-3		
D106	I-3	IC200	H-10
D108	I-3	IC201	I-9
D109	I-4	IC270	H-10
D110	I-4	IC300	B-6
D112	I-4	IC401	D-3
D113	I-4	IC501	G-6
D151	I-2	IC602	G-8
D152	I-2	IC681	D-6
D153	I-2		
D200	H-10	LED250	I-7
D301	D-8	LED251	I-6
D302	D-8		
D303	D-9	Q3	F-3
D304	D-9	Q200	G-10
D305	C-6	Q201	G-10
D306	C-6	Q202	G-10
D307	C-6	Q250	I-7
D308	C-6	Q251	I-5
D309	C-7	Q420	C-4
D310	C-6	Q432	C-3
D311	C-7	Q440	C-4
D312	D-7	Q452	C-3
D353	G-8	Q460	C-4
D491	E-5	Q470	C-4
D493	E-6	Q491	E-6
D502	H-8	Q492	E-6
D503	I-5	Q605	E-10
D602	E-10	Q606	E-10
D603	E-10	Q607	E-10
D607	D-9	Q664	I-5
D609	F-9	Q702	C-8
D702	C-8		

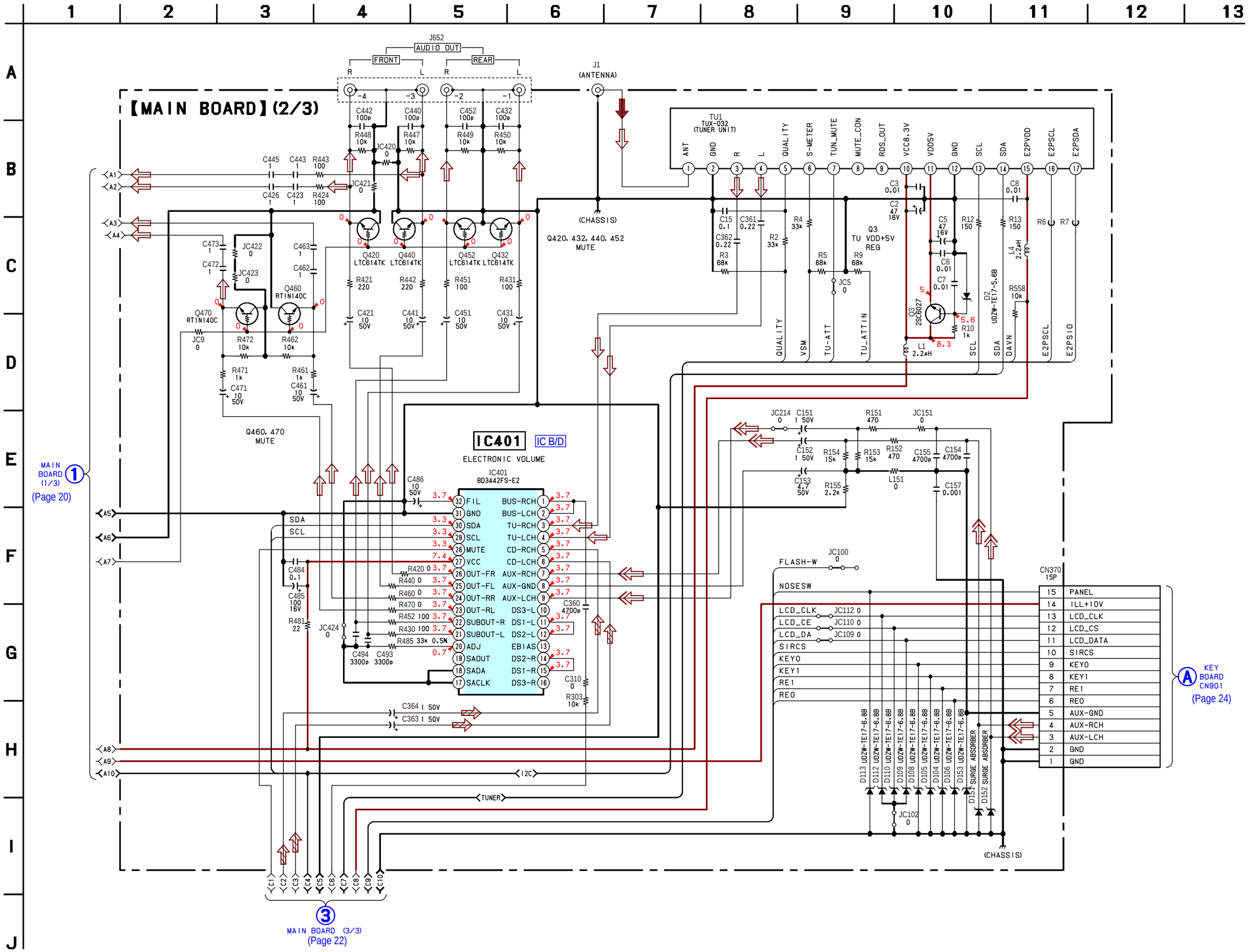
6-4. SCHEMATIC DIAGRAM – MAIN Section (1/3) –

• See page 25 for IC Block Diagrams.



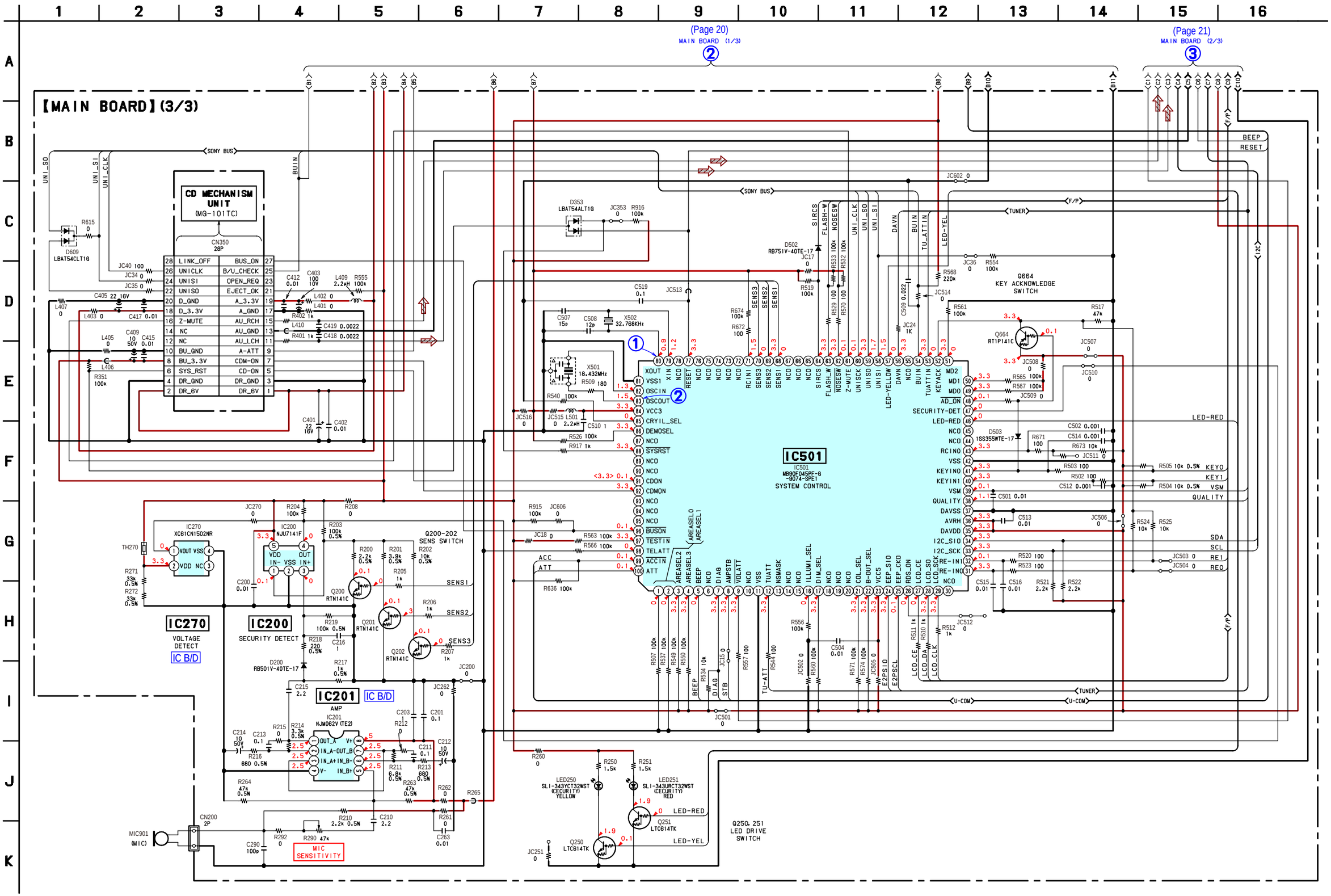
6-5. SCHEMATIC DIAGRAM – MAIN Section (2/3) –

• See page 26 for IC Block Diagrams.



6-6. SCHEMATIC DIAGRAM – MAIN Section (3/3) –

• See page 18 for waveforms. • See page 26 for IC Block Diagrams. • See page 27 for IC Pin Function Description of IC501.

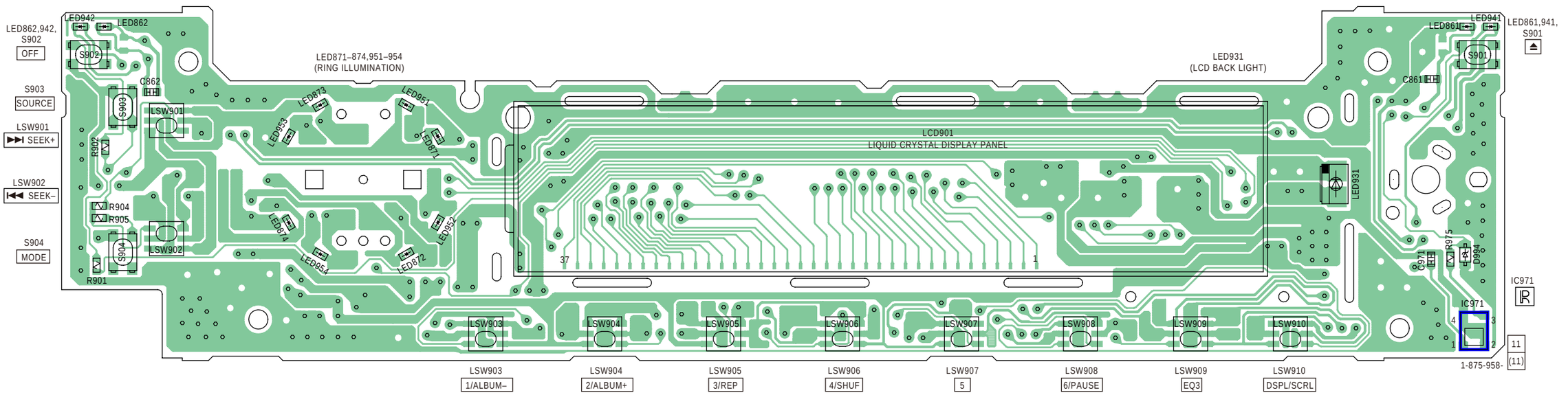


Refer to the MIC SENSITIVITY ADJUSTMENT described on page 16 if the microphone (MIC901) or any semi-fixed resistor (R290) is faulty.

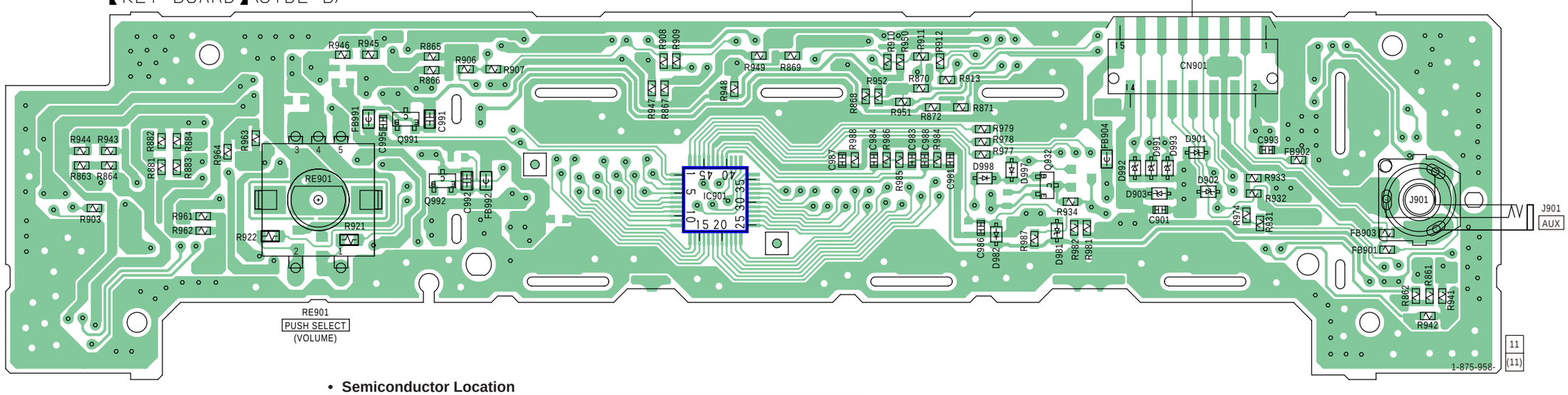
6-7. PRINTED WIRING BOARD – KEY Section –

• : Uses unleaded solder.

【KEY BOARD】(SIDE A)



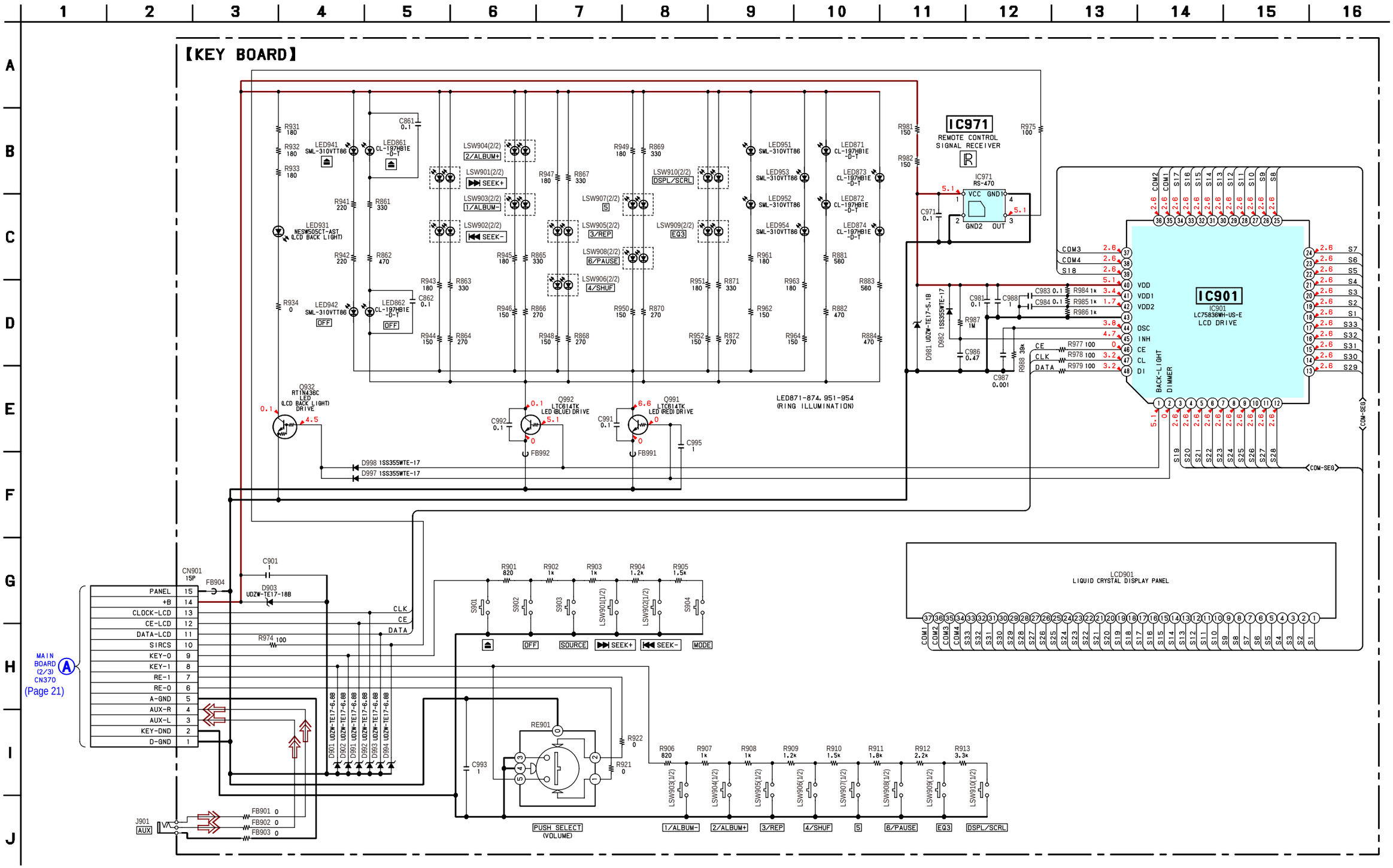
【KEY BOARD】(SIDE B)



• **Semiconductor Location**

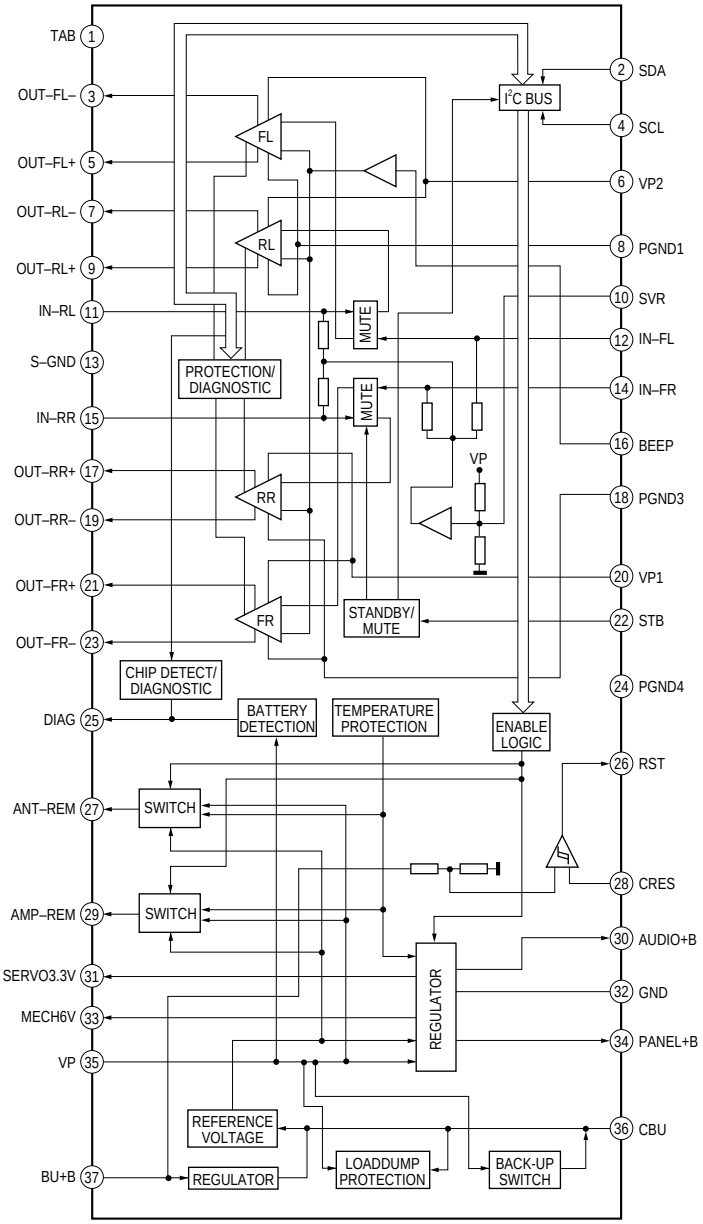
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D901	G-11	D994	C-14	LED862	A-2	LED951	B-4
D902	G-12	D997	G-10	LED871	B-5	LED952	C-5
D903	G-11	D998	G-10	LED872	C-4	LED953	B-3
D981	H-10			LED873	B-3	LED954	C-3
D982	H-10	IC901	G-7	LED874	C-4		
D991	G-11	IC971	D-14	LED931	C-13	Q932	G-10
D992	G-11			LED941	A-14	Q991	G-5
D993	G-11	LED861	A-14	LED942	A-1	Q992	G-5

6-8. SCHEMATIC DIAGRAM – KEY Section –

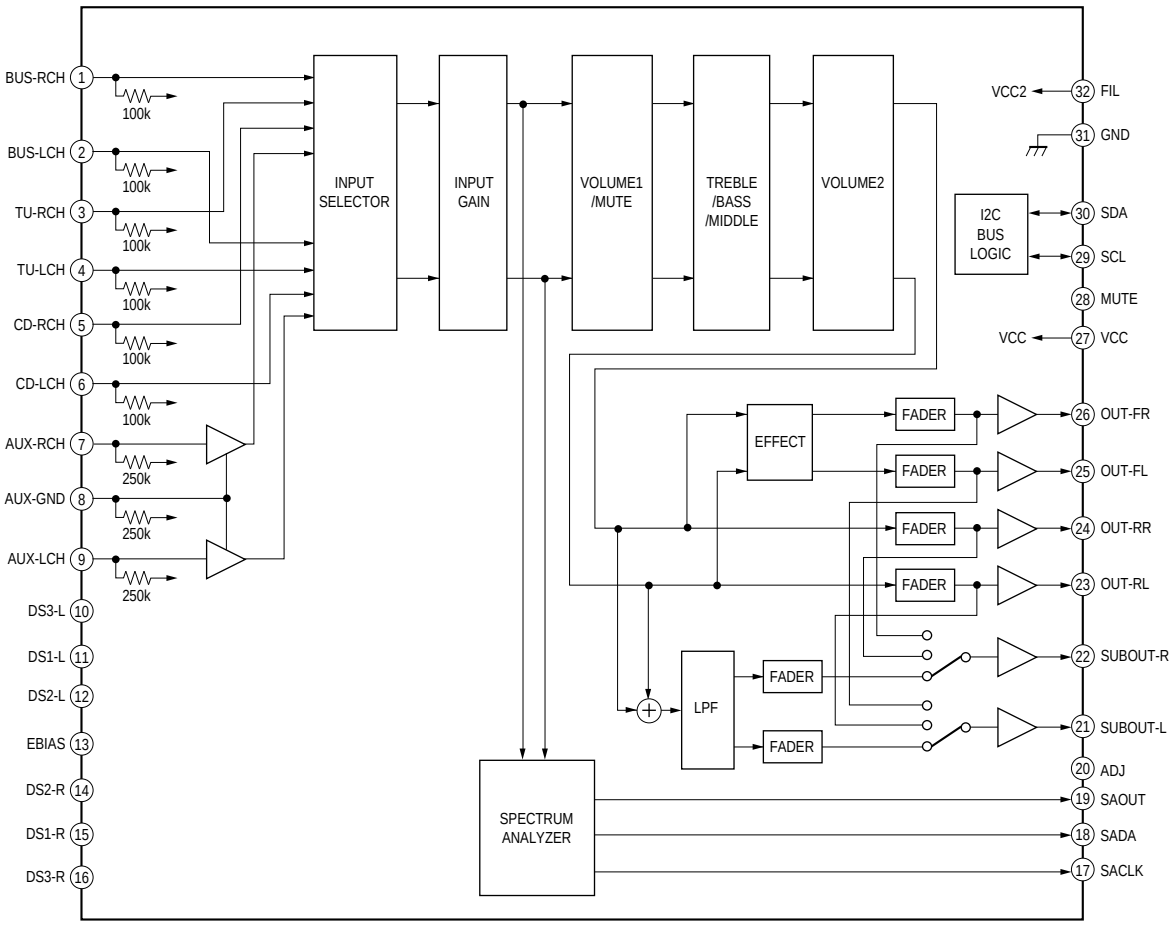


- **IC Block Diagrams**

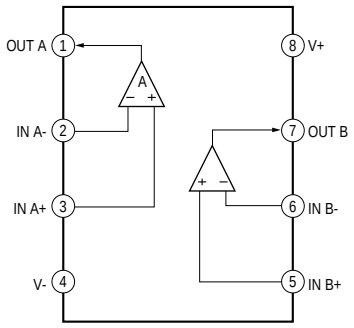
IC300 TDA8588AJ/N2/R1 (MAIN Board (1/3))



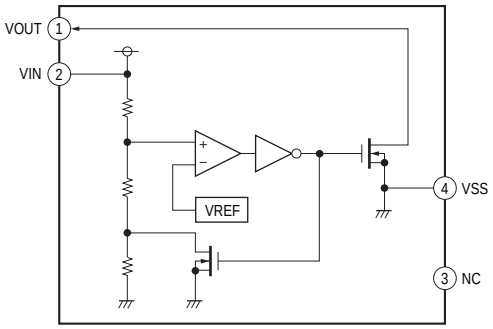
IC401 BD3442FS-E2 (MAIN Board (2/3))



IC201 NJM062V(TE2) (MAIN Board (3/3))



IC270 XC81CN1502NR (MAIN Board (3/3))



• **IC Pin Function Description**

MAIN BOARD IC501 MB90F045PF-G-9074-SPE1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	AREASEL0	I	Destination function setting pin 0
2	AREASEL1	I	Destination function setting pin 1
3	AREASEL2	I	Destination function setting pin 2
4	AREASEL3	I	Destination function setting pin 3
5	BEEP	O	BEEP signal output to power amplifier
6	NCO	O	Not used. (Open)
7	DIAG	I	Status signal input from power amplifier
8	AMPSTB	O	Stand-by signal output to power requlation
9	$\overline{\text{VOLATT}}$	O	Electronic volume attenuate control signal output
10	NCO	O	Not used. (Open)
11	VSS	—	Ground pin
12	TUATT	O	Tuner mute control signal output
13	NSMASK	O	Noise mask signal output Not used in this set. (Open)
14	NCO	O	Not used in this set. (Open)
15	NCO	O	Not used in this set. (Open)
16	ILLUMI SEL	I	Illumination voltage setting signal input “H”: 10.4 V, “L”: 9.0 V
17	DIM_SEL	I	Dimmer select signal input “H”: No dimmer, “L”: Dimmer
18 to 20	NCO	O	Not used. (Open)
21	COL_SEL	I	Illumination color select signal input “H”: Two colors selection/initial slave, amber, “L”: Color/slave, amber
22	B OUT SEL	I	Black out with/without discrimination select signal input “H”: Black out
23	VCC5	—	Power supply pin (+3.3V)
24	EEP_SIO	I/O	EEPROM bus serial data signal input/output
25	EEP_CKO	O	EEPROM bus serial clock signal output
26	RDS ON	O	RDS (radio data system) ON signal output Not used in this set. (Open)
27	LCD_CE	O	Chip enable signal output to LCD driver
28	LCD_SO	O	Serial data signal output to LCD driver
29	LCD_SCK	O	Serial clock signal output to LCD driver
30	NCO	O	Not used. (Open)
31	RE-IN0	I	Rotary encoder signal input 0
32	RE-IN1	I	Rotary encoder signal input 1
33	I2C_SCK	O	I2C bus serial clock signal output
34	I2C_SIO	I/O	I2C bus serial data signal input/output
35	DAVDD	—	A/D converter power supply pin (+3.3V)
36	AVRH	—	A/D converter external reference power supply pin (+3.3V)
37	DAVSS	—	A/D converter Ground pin
38	QUALITY	I	Noise detect signal input
39	VSM	I	S-meter voltage detect signal input
40	KEYIN1	I	Key signal input 1
41	KEYIN0	I	Key signal input 0
42	VSS	—	Ground pin
43	RC_IN0	I	Rotary commander key signal input Not used in this set. (Pull up)
44, 45	NCO	O	Not used. (Open)
46	LED_RED	O	Security-LED (Red) operation signal output
47	SECURITY_LED	I	Security detect signal input
48	$\overline{\text{AD\_ON}}$	O	A/D converter power supply control signal output
49	MD0	I	Operation mode setting pin 0 (Pull up)
50	MD1	I	Operation mode setting pin 1 (Pull up)
51	MD2	I	Operation mode setting pin 2 (Pull down)
52	KEYACK	I	Key acknowledgment detect signal input
53	TU_ATTIN	I	Tuner mute zero cross detect signal input Not used in this set. (Pull down)
54	BUIN	I	Back-up power supply detect signal input
55	NCO	O	Not used. (Open)
56	DAVN	I	RDS data block synchronized detect signal input Not used in this set. (Pull down)

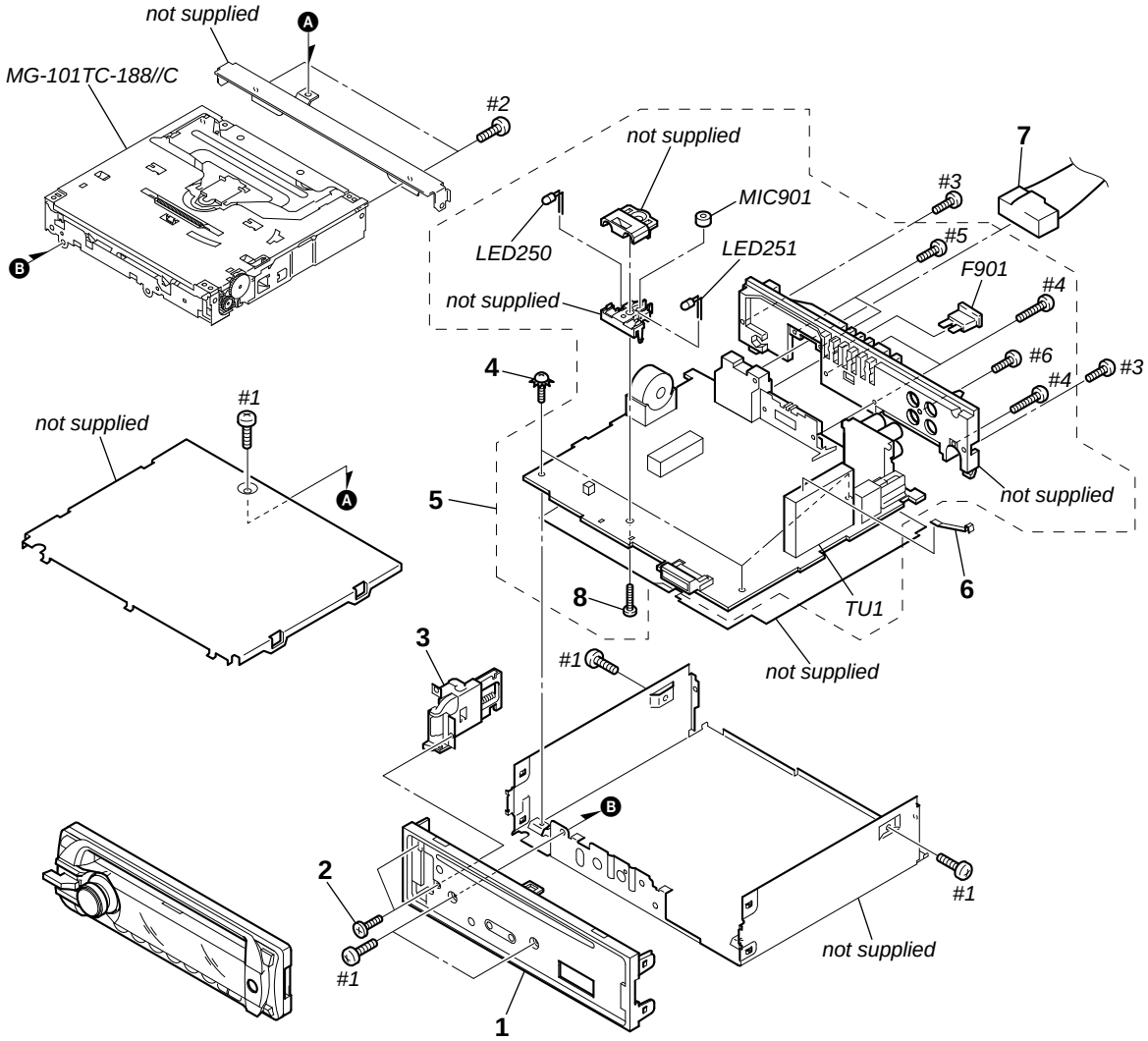
Pin No.	Pin Name	I/O	Description
57	LED_YELLOW	O	Security-LED (Yellow) operation signal output
58	UNISI	I	S-BUS data signal input
59	UNISO	O	S-BUS data signal output
60	UNISCK	O	S-BUS clock signal output
61	Z-MUTE	I	CD zero cross mute detect signal input
62	$\overline{\text{NOSE\_SW}}$	I	Front panel attachment detect signal input “L”: Panel on, “H”: Panel off
63	FLASH_W	I	Memory mode select signal input Normally “H” input: Single chip mode, after reset “L”: Flash write mode
64	SIRCS	I	Remote control signal input
65 to 67	NCO	O	Not used. (Open)
68	SENS1	O	Security level setting signal output 1
69	SENS2	O	Security level setting signal output 2
70	SENS3	O	Security level setting signal output 3
71	RC_IN1	I	Rotary commander shift key signal input Not used in this set. (Pull up)
72 to 76	NCO	O	Not used. (Open)
77	$\overline{\text{RESET}}$	I	System reset signal input
78	NCO	O	Not used. (Open)
79	XOUT	O	Low speed operation clock signal output (32.768 kHz)
80	XIN	I	Low speed operation clock signal input (32.768 kHz)
81	VSS1	—	Ground pin
82	OSCIN	I	High speed operation clock signal input (18.432 MHz)
83	OSCOUT	O	High speed operation clock signal output (18.432 MHz)
84	VCC3	—	Power supply pin (+3.3 V)
85	CYRIL_SEL	I	Cyril correspondence discrimination signal input “L”: No correspondence
86	DEMOSEL	I	DEMO select signal input “H”: DEMO on, “L”: DEMO off
87	NCO	O	Not used. (Open)
88	$\overline{\text{SYSRST}}$	O	System reset signal output
89, 90	NCO	O	Not used. (Open)
91	CD_ON	I	CD mechanism servo power supply control request signal input
92	CDM_ON	I	CD mechanism deck power supply control request signal input
93 to 95	NCO	O	Not used. (Open)
96	$\overline{\text{BUSON}}$	O	BUS ON signal output
97	$\overline{\text{TESTIN}}$	I	Test mode detect signal input Not used in this set. (Pull up)
98	TELATT	I	Telephone attenuate detect signal input Not used in this set. (Pull down)
99	$\overline{\text{ACC\_IN}}$	I	Accessory power supply detect signal input
100	ATT	O	Audio mute control signal output

SECTION 7
EXPLODED VIEWS

Note:
- -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.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories are given in the last of the electrical parts list.

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

7-1. MAIN SECTION



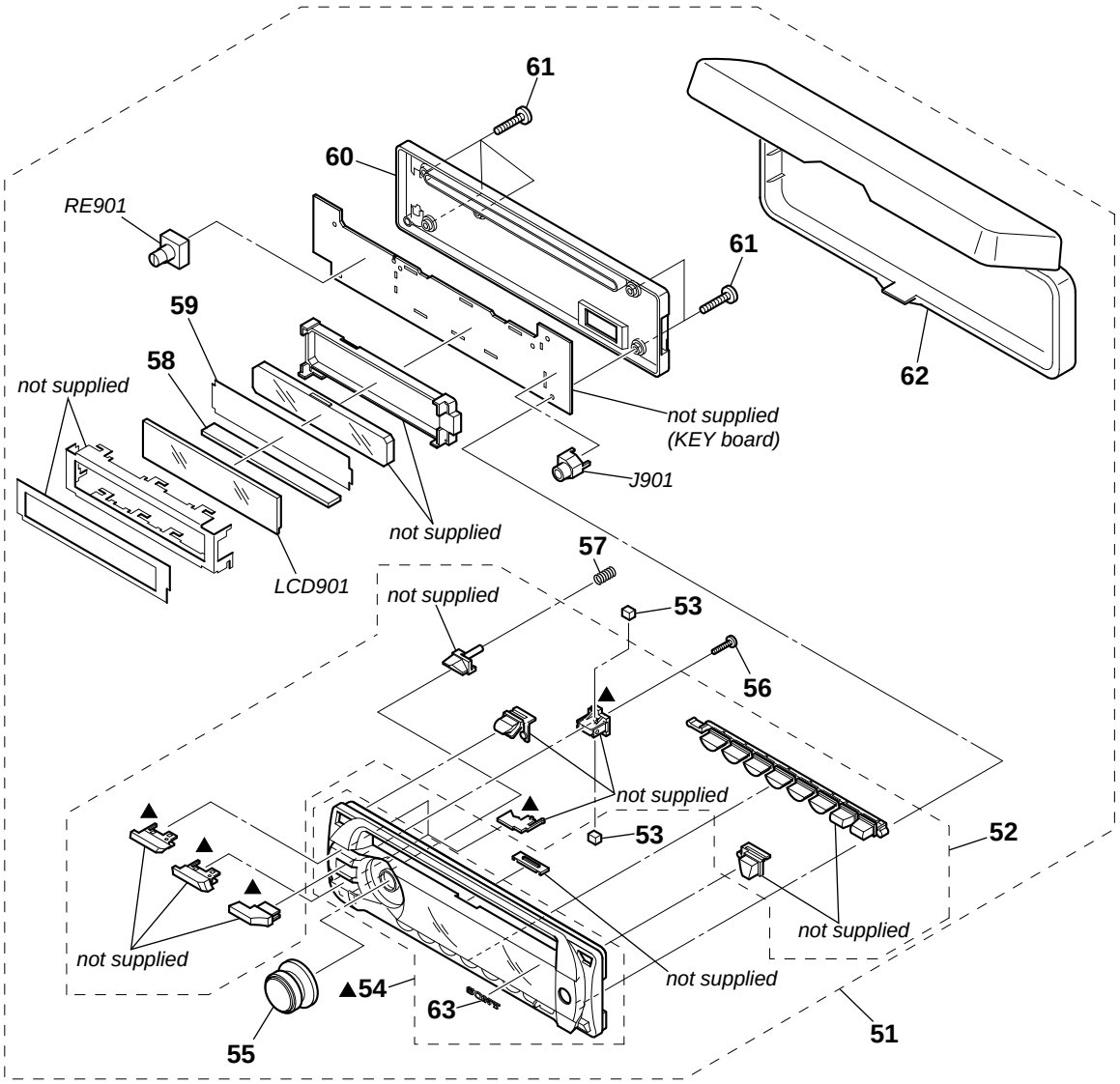
Refer to the MIC SENSITIVITY ADJUSTMENT described on page 16 if the microphone (MIC901) or any semi-fixed resistor (R290) is faulty.

Ref. No.	Part No.	Description	Remark
1	A-1444-834-A	PANEL ASSY, SUB	
2	2-583-939-01	SCREW (+B 2X4)	
3	X-2179-691-1	LOCK ASSY	
4	2-348-996-01	SCREW (+PTT 2.6X6), GROUND POINT	
5	A-1444-833-A	MAIN BOARD, COMPLETE	
6	2-345-298-01	PLATE (TU), GROUND	
7	1-833-974-31	CONNECTION CORD FOR AUTOMOBILE (POWER)	
8	3-250-543-91	SCREW (+B P-TITE M2)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
LED250	8-719-084-27	LED SLI-343YCT32WST (SECURITY (YELLOW))	

Ref. No.	Part No.	Description	Remark
LED251	8-719-085-33	LED SLI-343URCT32WST (SECURITY (RED))	
MIC901	1-542-689-41	MICROPHONE (MIC)	
TU1	A-3220-961-B	TUNER UNIT (TUX-032)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#4	7-685-794-09	SCREW +PTT 2.6X10 (S)	
#5	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
#6	7-621-284-40	SCREW +P 2.6X10	

7-2. FRONT PANEL SECTION

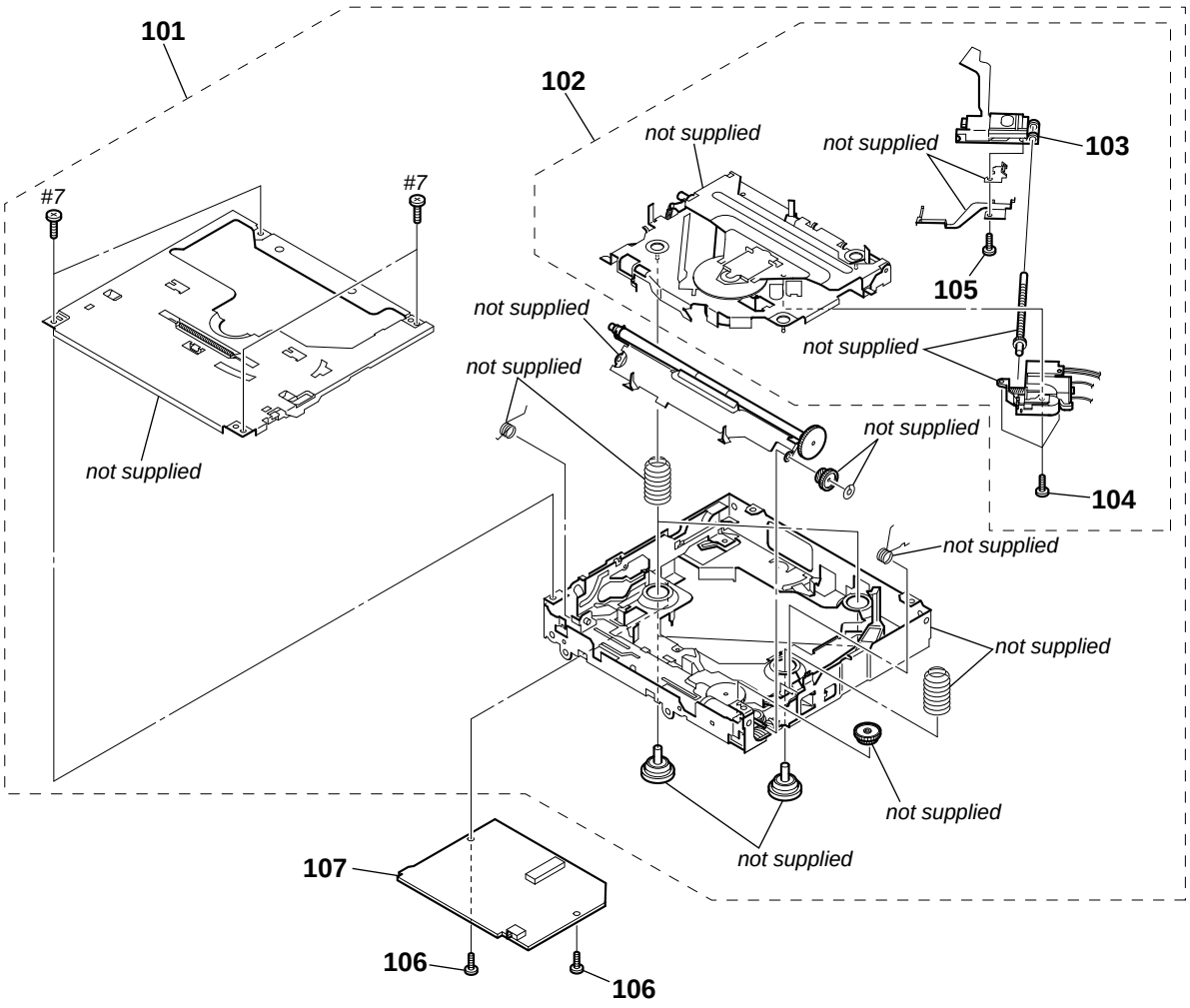
Note: Refer to the “Note for replacement of the front panel and buttons” descried on page 4 when replacing the parts marked with ▲.



Ref. No.	Part No.	Description	Remark
51	A-1444-835-A	PANEL COMPLETE ASSY, FRONT	
52	X-2188-486-1	BUTTON ASSY (S)	
53	3-295-891-01	CUSHION (LEVER)	
54	X-2188-485-1	PANEL (SV) ASSY, FRONT	
55	X-2188-484-1	KNOB (SV) ASSY	
56	3-318-203-01	SCREW (B 1.7X6), TAPPING	
57	2-349-626-01	SPRING (RELEASE)	
58	1-780-605-11	CONNECTOR (RUBBER)	

Ref. No.	Part No.	Description	Remark
59	3-280-062-01	ILLUMINATOR (LCD)	
60	3-280-041-02	PANEL, BACK	
61	3-250-543-91	SCREW (+B P-TITE M2)	
62	X-2186-697-1	CASE ASSY (for FRONT PANEL)	
63	3-251-320-01	EMBLEM (NO. 2.5), SONY	
J901	1-820-624-11	SMALL TYPE JACK (VERTICAL) (AUX)	
LCD901	1-802-616-11	DISPLAY PANEL, LIQUID CRYSTAL	
RE901	1-479-902-22	ENCODER, ROTARY (PUSH SELECT/VOLUME)	

7-3. CD MECHANISM SECTION (MG-101TC-188//Q)



Ref. No.	Part No.	Description	Remark
101	A-1283-704-A	MECHANICAL BLOCK ASSY (08)	
102	A-1283-705-A	DAXEV08//C	
⚠ 103	X-2149-672-1	SERVICE ASSY, OP (DAX-25A)	
104	2-626-869-21	SCREW (M2X3), SERRATION	
105	3-348-998-31	SCREW (M1.4X2.5), TAPPING, PAN	
106	3-352-758-31	SCREW (M1.7X2.5), TOOTHED LOCK	
107	A-1201-631-A	SERVO BOARD, COMPLETE	
#7	7-627-000-00	SCREW, PRECISION +P 1.7X2.2 TYPE3	

KEY

SECTION 8
ELECTRICAL PARTS LIST

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.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .

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

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

Ref. No.	Part No.	Description	Remark
		KEY BOARD	
		**********	
	1-780-605-11	CONNECTOR (RUBBER)	
	3-280-062-01	ILLUMINATOR (LCD)	
		< CAPACITOR >	
C861	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C862	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C901	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
C971	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C981	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C983	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C984	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C986	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	
C987	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C988	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
C991	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C992	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C993	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
C995	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
		< CONNECTOR >	
CN901	1-819-758-12	PLUG, CONNECTOR 15P	
		< DIODE >	
D901	6-501-170-01	DIODE UDZW-TE17-6.8B	
D902	6-501-170-01	DIODE UDZW-TE17-6.8B	
D903	6-501-180-01	DIODE UDZW-TE17-18B	
D981	6-501-167-01	DIODE UDZW-TE17-5.1B	
D982	6-501-193-01	DIODE 1SS355WTE-17	
D991	6-501-170-01	DIODE UDZW-TE17-6.8B	
D992	6-501-170-01	DIODE UDZW-TE17-6.8B	
D993	6-501-170-01	DIODE UDZW-TE17-6.8B	
D994	6-501-170-01	DIODE UDZW-TE17-6.8B	
D997	6-501-193-01	DIODE 1SS355WTE-17	
D998	6-501-193-01	DIODE 1SS355WTE-17	
		< FERRITE BEAD >	
FB901	1-216-864-11	SHORT CHIP 0	
FB902	1-216-864-11	SHORT CHIP 0	
FB903	1-216-295-11	SHORT CHIP 0	
FB904	1-500-245-11	INDUCTOR, FERRITE BEAD	
FB991	1-500-245-11	INDUCTOR, FERRITE BEAD	
FB992	1-500-245-11	INDUCTOR, FERRITE BEAD	

Ref. No.	Part No.	Description	Remark
		< IC >	
IC901	6-710-047-01	IC LC75836WH-US-E	
IC971	6-600-629-01	IC RS-470 (IR)	
		< JACK >	
J901	1-820-624-11	SMALL TYPE JACK (VERTICAL) (AUX)	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-802-616-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< DIODE >	
LED861	6-501-547-01	LED CL-197HB1E-D-T (⏏)	
LED862	6-501-547-01	LED CL-197HB1E-D-T (OFF)	
LED871	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION)	
LED872	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION)	
LED873	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION)	
LED874	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION)	
LED931	6-501-339-01	LED NESW505CT-AST (LCD BACK LIGHT)	
LED941	8-719-053-09	LED SML-310VTT86 (⏏)	
LED942	8-719-053-09	LED SML-310VTT86 (OFF)	
LED951	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION)	
LED952	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION)	
LED953	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION)	
LED954	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION)	
		< SWITCH >	
LSW901	1-798-019-12	SWITCH, TACTILE (WITH LED) (▶▶ISEEK+)	
LSW902	1-798-019-12	SWITCH, TACTILE (WITH LED) (I◀◀ SEEK–)	
LSW903	1-798-019-12	SWITCH, TACTILE (WITH LED) (1/ALBUM –)	
LSW904	1-798-019-12	SWITCH, TACTILE (WITH LED) (2/ALBUM +)	
LSW905	1-798-019-12	SWITCH, TACTILE (WITH LED) (3/REP)	
LSW906	1-798-019-12	SWITCH, TACTILE (WITH LED) (4/SHUF)	
LSW907	1-798-019-12	SWITCH, TACTILE (WITH LED) (5)	
LSW908	1-798-019-12	SWITCH, TACTILE (WITH LED) (6/PAUSE)	
LSW909	1-798-019-12	SWITCH, TACTILE (WITH LED) (EQ3)	
LSW910	1-798-019-12	SWITCH, TACTILE (WITH LED) (DSPL/SCRL)	
		< TRANSISTOR >	
Q932	6-551-444-01	TRANSISTOR RT1N436C-TP-1	
Q991	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
Q992	6-551-856-01	TRANSISTOR LTC614TKFP8T146	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R861	1-216-815-11	METAL CHIP	330	5%	1/10W
R862	1-216-817-11	METAL CHIP	470	5%	1/10W
R863	1-216-815-11	METAL CHIP	330	5%	1/10W
R864	1-216-814-11	METAL CHIP	270	5%	1/10W
R865	1-216-815-11	METAL CHIP	330	5%	1/10W
R866	1-216-814-11	METAL CHIP	270	5%	1/10W
R867	1-216-815-11	METAL CHIP	330	5%	1/10W
R868	1-216-814-11	METAL CHIP	270	5%	1/10W
R869	1-216-815-11	METAL CHIP	330	5%	1/10W
R870	1-216-814-11	METAL CHIP	270	5%	1/10W
R871	1-216-815-11	METAL CHIP	330	5%	1/10W
R872	1-216-814-11	METAL CHIP	270	5%	1/10W
R881	1-216-818-11	METAL CHIP	560	5%	1/10W
R882	1-216-817-11	METAL CHIP	470	5%	1/10W
R883	1-216-818-11	METAL CHIP	560	5%	1/10W
R884	1-216-817-11	METAL CHIP	470	5%	1/10W
R901	1-216-820-11	METAL CHIP	820	5%	1/10W
R902	1-216-821-11	METAL CHIP	1K	5%	1/10W
R903	1-216-821-11	METAL CHIP	1K	5%	1/10W
R904	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R905	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R906	1-216-820-11	METAL CHIP	820	5%	1/10W
R907	1-216-821-11	METAL CHIP	1K	5%	1/10W
R908	1-216-821-11	METAL CHIP	1K	5%	1/10W
R909	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R910	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R911	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R912	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R913	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R921	1-216-295-11	SHORT CHIP	0		
R922	1-216-295-11	SHORT CHIP	0		
R931	1-216-812-11	METAL CHIP	180	5%	1/10W
R932	1-216-812-11	METAL CHIP	180	5%	1/10W
R933	1-216-812-11	METAL CHIP	180	5%	1/10W
R934	1-216-864-11	SHORT CHIP	0		
R941	1-216-813-11	METAL CHIP	220	5%	1/10W
R942	1-216-813-11	METAL CHIP	220	5%	1/10W
R943	1-216-812-11	METAL CHIP	180	5%	1/10W
R944	1-216-811-11	METAL CHIP	150	5%	1/10W
R945	1-216-812-11	METAL CHIP	180	5%	1/10W
R946	1-216-811-11	METAL CHIP	150	5%	1/10W
R947	1-216-812-11	METAL CHIP	180	5%	1/10W
R948	1-216-811-11	METAL CHIP	150	5%	1/10W
R949	1-216-812-11	METAL CHIP	180	5%	1/10W
R950	1-216-811-11	METAL CHIP	150	5%	1/10W
R951	1-216-812-11	METAL CHIP	180	5%	1/10W
R952	1-216-811-11	METAL CHIP	150	5%	1/10W
R961	1-216-812-11	METAL CHIP	180	5%	1/10W
R962	1-216-811-11	METAL CHIP	150	5%	1/10W
R963	1-216-812-11	METAL CHIP	180	5%	1/10W
R964	1-216-811-11	METAL CHIP	150	5%	1/10W
R974	1-216-809-11	METAL CHIP	100	5%	1/10W
R975	1-216-809-11	METAL CHIP	100	5%	1/10W
R977	1-216-809-11	METAL CHIP	100	5%	1/10W
R978	1-216-809-11	METAL CHIP	100	5%	1/10W
R979	1-216-809-11	METAL CHIP	100	5%	1/10W
R981	1-216-811-11	METAL CHIP	150	5%	1/10W
R982	1-216-811-11	METAL CHIP	150	5%	1/10W
R984	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R985	1-216-821-11	METAL CHIP	1K	5%	1/10W
R986	1-216-821-11	METAL CHIP	1K	5%	1/10W
R987	1-216-857-11	METAL CHIP	1M	5%	1/10W
R988	1-216-840-11	METAL CHIP	39K	5%	1/10W
		< ROTARY ENCODER >			
RE901	1-479-902-22	ENCODER, ROTARY (PUSH SELECT/VOLUME)			
		< SWITCH >			
S901	1-786-653-11	SWITCH, TACTILE (⏏)			
S902	1-786-653-11	SWITCH, TACTILE (OFF)			
S903	1-786-653-11	SWITCH, TACTILE (SOURCE)			
S904	1-786-653-11	SWITCH, TACTILE (MODE)			
**********					
	A-1444-833-A	MAIN BOARD, COMPLETE			
		**********			
	3-250-543-91	SCREW (+B P-TITE M2)			
	7-621-284-40	SCREW +P 2.6X10			
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT			
	7-685-794-09	SCREW +PTT 2.6X10 (S)			
		< CAPACITOR >			
C2	1-126-947-11	ELECT	47uF	20%	35V
C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5	1-126-947-11	ELECT	47uF	20%	35V
C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C7	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C8	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C15	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C151	1-126-960-11	ELECT	1uF	20%	50V
C152	1-126-960-11	ELECT	1uF	20%	50V
C153	1-126-963-11	ELECT	4.7uF	20%	50V
C154	1-137-712-11	CERAMIC CHIP	0.0047uF	20%	250V
C155	1-137-712-11	CERAMIC CHIP	0.0047uF	20%	250V
C157	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C200	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C203	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C210	1-100-742-11	CERAMIC CHIP	2.2uF	20%	10V
C211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C212	1-126-964-11	ELECT	10uF	20%	50V
C213	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C214	1-124-261-00	ELECT	10uF	20%	50V
C215	1-100-742-11	CERAMIC CHIP	2.2uF	20%	10V
C216	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C263	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C290	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C301	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C302	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C303	1-128-551-11	ELECT	22uF	20%	63V
C304	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C305	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C306	1-124-261-00	ELECT	10uF	20%	50V
C307	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C308	1-124-261-00	ELECT	10uF	20%	50V
C309	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C310	1-216-864-11	SHORT CHIP	0		
C312	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C313	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C314	1-124-261-00	ELECT	10uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C315	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C316	1-124-261-00	ELECT	10uF	20%	50V
C317	1-124-257-00	ELECT	2.2uF	20%	50V
C318	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C319	1-216-864-11	SHORT CHIP	0		
C320	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C325	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C330	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C360	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C361	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C362	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C363	1-126-160-11	ELECT	1uF	20%	50V
C364	1-126-160-11	ELECT	1uF	20%	50V
C401	1-124-234-00	ELECT	22uF	20%	16V
C402	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C403	1-124-584-00	ELECT	100uF	20%	10V
C405	1-124-234-00	ELECT	22uF	20%	16V
C409	1-124-261-00	ELECT	10uF	20%	50V
C412	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C417	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C418	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C419	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C421	1-126-964-11	ELECT	10uF	20%	50V
C423	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C424	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C426	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C431	1-126-964-11	ELECT	10uF	20%	50V
C432	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C434	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C440	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C441	1-126-964-11	ELECT	10uF	20%	50V
C442	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C443	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C444	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C445	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C451	1-126-964-11	ELECT	10uF	20%	50V
C452	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C454	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C461	1-126-964-11	ELECT	10uF	20%	50V
C462	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C463	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C471	1-126-964-11	ELECT	10uF	20%	50V
C472	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C473	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C484	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C485	1-126-933-11	ELECT	100uF	20%	16V
C486	1-126-964-11	ELECT	10uF	20%	50V
C491	1-124-589-11	ELECT	47uF	20%	16V
C493	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C494	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C502	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C507	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C508	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C509	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C510	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C512	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C514	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C515	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C516	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C622	1-128-057-11	ELECT	330uF	20%	6.3V
C623	1-126-926-11	ELECT	1000uF	20%	10V
C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C682	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C683	1-124-584-00	ELECT	100uF	20%	10V
C701	1-112-302-11	ELECT	3300uF	20%	16V
C702	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C703	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C704	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C705	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C997	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C998	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN200	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CN300	1-774-701-21	PIN, CONNECTOR 16P			
CN350	1-820-611-11	CONNECTOR, BOARD TO BOARD 28P			
CN370	1-819-773-14	SOCKET, CONNECTOR 15P			
		< DIODE >			
D2	6-501-168-01	DIODE UDZW-TE17-5.6B			
D104	6-501-170-01	DIODE UDZW-TE17-6.8B			
D105	6-501-170-01	DIODE UDZW-TE17-6.8B			
D106	6-501-170-01	DIODE UDZW-TE17-6.8B			
D108	6-501-170-01	DIODE UDZW-TE17-6.8B			
D109	6-501-170-01	DIODE UDZW-TE17-6.8B			
D110	6-501-170-01	DIODE UDZW-TE17-6.8B			
D112	6-501-170-01	DIODE UDZW-TE17-6.8B			
D113	6-501-170-01	DIODE UDZW-TE17-6.8B			
D151	1-805-043-11	ABSORBER, CHIP SURGE			
D152	1-805-043-11	ABSORBER, CHIP SURGE			
D153	6-501-170-01	DIODE UDZW-TE17-6.8B			
D200	8-719-058-24	DIODE RB501V-40TE-17			
D301	6-501-362-01	DIODE 1A4-TA26			
D302	6-501-362-01	DIODE 1A4-TA26			
D303	6-501-362-01	DIODE 1A4-TA26			
D304	6-501-362-01	DIODE 1A4-TA26			
D305	6-501-362-01	DIODE 1A4-TA26			
D306	6-501-362-01	DIODE 1A4-TA26			
D307	6-501-362-01	DIODE 1A4-TA26			
D308	6-501-362-01	DIODE 1A4-TA26			
D309	6-501-362-01	DIODE 1A4-TA26			
D310	6-501-362-01	DIODE 1A4-TA26			
D311	6-501-362-01	DIODE 1A4-TA26			
D312	6-501-362-01	DIODE 1A4-TA26			
D353	6-501-656-01	DIODE LBAT54ALT1G			
D491	6-501-193-01	DIODE 1SS355WTE-17			
D493	6-501-654-01	DIODE LBAT54CLT1G			
D502	8-719-060-48	DIODE RB751V-40TE-17			
D503	6-501-193-01	DIODE 1SS355WTE-17			
D602	6-501-180-01	DIODE UDZW-TE17-18B			
D603	6-501-171-01	DIODE UDZW-TE17-7.5B			
D607	6-501-571-01	DIODE 1N5404-C311-3			
D609	6-501-654-01	DIODE LBAT54CLT1G			
D702	6-501-180-01	DIODE UDZW-TE17-18B			
D998	6-501-180-01	DIODE UDZW-TE17-18B			

Ref. No.	Part No.	Description			Remark
D999	6-501-180-01	DIODE UDZW-TE17-18B			
		< FUSE >			
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A			
		< IC >			
IC200	6-708-359-01	IC NJU7141F			
IC201	8-759-327-01	IC NJM062V(TE2)			
IC270	8-759-825-21	IC XC61CN1502NR			
IC300	6-705-359-02	IC TDA8588AJ/N2/R1			
IC401	6-710-065-01	IC BD3442FS-E2			
IC501	6-807-946-01	IC MB90F045PF-G-9074-SPE1			
IC602	8-759-659-13	IC PST3428UL			
IC681	6-711-670-01	IC XC6218P332PR			
		< JACK >			
J1	1-815-185-13	JACK (ANTENNA)			
J652	1-774-699-12	JACK, PIN 4P (AUDIO OUT REAR/FRONT)			
		< JUMPER RESISTOR >			
JC1	1-216-296-11	SHORT CHIP	0		
JC5	1-216-296-11	SHORT CHIP	0		
JC8	1-216-296-11	SHORT CHIP	0		
JC9	1-216-864-11	SHORT CHIP	0		
JC12	1-216-296-11	SHORT CHIP	0		
JC13	1-216-296-11	SHORT CHIP	0		
JC14	1-216-296-11	SHORT CHIP	0		
JC15	1-216-296-11	SHORT CHIP	0		
JC17	1-216-864-11	SHORT CHIP	0		
JC18	1-216-864-11	SHORT CHIP	0		
JC24	1-216-821-11	METAL CHIP	1K	5%	1/10W
JC29	1-216-296-11	SHORT CHIP	0		
JC30	1-216-296-11	SHORT CHIP	0		
JC31	1-216-296-11	SHORT CHIP	0		
JC32	1-216-296-11	SHORT CHIP	0		
JC33	1-216-296-11	SHORT CHIP	0		
JC34	1-216-864-11	SHORT CHIP	0		
JC35	1-216-864-11	SHORT CHIP	0		
JC36	1-216-296-11	SHORT CHIP	0		
JC40	1-216-809-11	METAL CHIP	100	5%	1/10W
JC100	1-216-296-11	SHORT CHIP	0		
JC102	1-216-296-11	SHORT CHIP	0		
JC109	1-216-296-11	SHORT CHIP	0		
JC110	1-216-296-11	SHORT CHIP	0		
JC112	1-216-296-11	SHORT CHIP	0		
JC151	1-216-864-11	SHORT CHIP	0		
JC200	1-216-296-11	SHORT CHIP	0		
JC214	1-216-296-11	SHORT CHIP	0		
JC251	1-216-864-11	SHORT CHIP	0		
JC262	1-216-864-11	SHORT CHIP	0		
JC270	1-216-864-11	SHORT CHIP	0		
JC353	1-216-296-11	SHORT CHIP	0		
JC420	1-216-864-11	SHORT CHIP	0		
JC421	1-216-864-11	SHORT CHIP	0		
JC422	1-216-864-11	SHORT CHIP	0		
JC423	1-216-864-11	SHORT CHIP	0		
JC424	1-216-296-11	SHORT CHIP	0		
JC501	1-216-296-11	SHORT CHIP	0		
JC502	1-216-864-11	SHORT CHIP	0		
JC503	1-216-296-11	SHORT CHIP	0		
JC504	1-216-296-11	SHORT CHIP	0		
JC505	1-216-864-11	SHORT CHIP	0		
JC506	1-216-296-11	SHORT CHIP	0		
JC507	1-216-296-11	SHORT CHIP	0		
JC508	1-216-864-11	SHORT CHIP	0		
JC509	1-216-864-11	SHORT CHIP	0		
JC510	1-216-296-11	SHORT CHIP	0		
JC511	1-216-864-11	SHORT CHIP	0		
JC512	1-216-296-11	SHORT CHIP	0		
JC513	1-414-595-11	INDUCTOR, FERRITE BEAD			
JC514	1-216-864-11	SHORT CHIP	0		
JC515	1-216-864-11	SHORT CHIP	0		
JC516	1-216-864-11	SHORT CHIP	0		
JC601	1-216-864-11	SHORT CHIP	0		
JC602	1-216-296-11	SHORT CHIP	0		
JC606	1-216-864-11	SHORT CHIP	0		
JC607	1-216-296-11	SHORT CHIP	0		
JC610	1-216-296-11	SHORT CHIP	0		
		< COIL >			
L1	1-469-844-11	INDUCTOR	2.2uH		
L4	1-469-844-11	INDUCTOR	2.2uH		
L151	1-216-295-11	SHORT CHIP	0		
L300	1-456-617-11	COIL, CHOKE			
L401	1-216-864-11	SHORT CHIP	0		
L402	1-216-295-11	SHORT CHIP	0		
L403	1-216-295-11	SHORT CHIP	0		
L405	1-216-864-11	SHORT CHIP	0		
L406	1-500-245-11	INDUCTOR, FERRITE BEAD			
L407	1-216-864-11	SHORT CHIP	0		
L409	1-469-844-11	INDUCTOR	2.2uH		
L410	1-469-876-11	INDUCTOR, FERRITE BEAD			
L501	1-469-844-11	INDUCTOR	2.2uH		
L901	1-216-295-11	SHORT CHIP	0		
L902	1-469-844-11	INDUCTOR	2.2uH		
		< DIODE >			
LED250	8-719-084-27	LED SLI-343YCT32WST (SECURITY (YELLOW))			
LED251	8-719-085-33	LED SLI-343URCT32WST (SECURITY (RED))			
		< MICROPHONE >			
MIC901	1-542-689-41	MICROPHONE (MIC)			
		< TRANSISTOR >			
Q3	6-551-431-01	TRANSISTOR 2SC6027T100-QR			
Q200	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q201	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q202	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q250	6-551-856-01	TRANSISTOR LTC614TKFP8T146			
Q251	6-551-856-01	TRANSISTOR LTC614TKFP8T146			
Q420	6-551-856-01	TRANSISTOR LTC614TKFP8T146			
Q432	6-551-856-01	TRANSISTOR LTC614TKFP8T146			
Q440	6-551-856-01	TRANSISTOR LTC614TKFP8T146			
Q452	6-551-856-01	TRANSISTOR LTC614TKFP8T146			
Q460	8-729-027-44	TRANSISTOR DTC114TKA-T146			
Q470	8-729-027-44	TRANSISTOR DTC114TKA-T146			
Q491	8-729-027-23	TRANSISTOR DTA114EKA-T146			
Q492	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q605	8-729-027-43	TRANSISTOR DTC114EKA-T146			

Refer to the MIC SENSITIVITY ADJUSTMENT described on page 16 if the microphone (MIC901) or any semi-fixed resistor (R290) is faulty.

MAIN

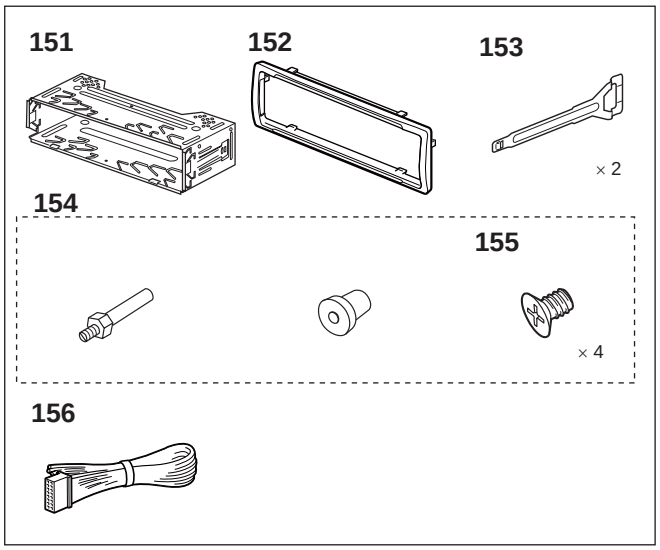
Ref. No.	Part No.	Description			Remark
Q606	8-729-038-28	TRANSISTOR RT1N441C-TP-1			
Q607	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF			
Q664	8-729-027-23	TRANSISTOR DTA114EKA-T146			
Q702	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF			
		< RESISTOR >			
R2	1-216-839-11	METAL CHIP	33K	5%	1/10W
R3	1-216-843-11	METAL CHIP	68K	5%	1/10W
R4	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5	1-216-843-11	METAL CHIP	68K	5%	1/10W
R6	1-414-595-11	INDUCTOR, FERRITE BEAD			
R7	1-414-595-11	INDUCTOR, FERRITE BEAD			
R9	1-216-843-11	METAL CHIP	68K	5%	1/10W
R10	1-216-821-11	METAL CHIP	1K	5%	1/10W
R12	1-216-811-11	METAL CHIP	150	5%	1/10W
R13	1-216-811-11	METAL CHIP	150	5%	1/10W
R151	1-216-817-11	METAL CHIP	470	5%	1/10W
R152	1-216-817-11	METAL CHIP	470	5%	1/10W
R153	1-216-835-11	METAL CHIP	15K	5%	1/10W
R154	1-216-835-11	METAL CHIP	15K	5%	1/10W
R155	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R200	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R201	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R202	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R203	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R204	1-216-845-11	METAL CHIP	100K	5%	1/10W
R205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R206	1-216-821-11	METAL CHIP	1K	5%	1/10W
R207	1-216-821-11	METAL CHIP	1K	5%	1/10W
R208	1-216-864-11	SHORT CHIP	0		
R210	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R211	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R212	1-216-864-11	SHORT CHIP	0		
R213	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R214	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R215	1-216-864-11	SHORT CHIP	0		
R216	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R217	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R218	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R219	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R250	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R251	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R260	1-216-864-11	SHORT CHIP	0		
R261	1-216-864-11	SHORT CHIP	0		
R262	1-216-864-11	SHORT CHIP	0		
R263	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R264	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R265	1-414-595-11	INDUCTOR, FERRITE BEAD			
R271	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R272	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R290	1-238-602-31	RES, ADJ, CARBON		47K	
R292	1-216-864-11	SHORT CHIP	0		
R301	1-216-811-11	METAL CHIP	150	5%	1/10W
R302	1-216-841-11	METAL CHIP	47K	5%	1/10W
R303	1-216-833-11	METAL CHIP	10K	5%	1/10W
R351	1-216-845-11	METAL CHIP	100K	5%	1/10W
R401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R402	1-216-821-11	METAL CHIP	1K	5%	1/10W
R420	1-216-864-11	SHORT CHIP	0		
R421	1-216-813-11	METAL CHIP	220	5%	1/10W
R423	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R424	1-216-809-11	METAL CHIP	100	5%	1/10W
R430	1-216-809-11	METAL CHIP	100	5%	1/10W
R431	1-216-809-11	METAL CHIP	100	5%	1/10W
R440	1-216-864-11	SHORT CHIP	0		
R442	1-216-813-11	METAL CHIP	220	5%	1/10W
R443	1-216-809-11	METAL CHIP	100	5%	1/10W
R445	1-216-864-11	SHORT CHIP	0		
R447	1-216-833-11	METAL CHIP	10K	5%	1/10W
R448	1-216-833-11	METAL CHIP	10K	5%	1/10W
R449	1-216-833-11	METAL CHIP	10K	5%	1/10W
R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R451	1-216-809-11	METAL CHIP	100	5%	1/10W
R452	1-216-809-11	METAL CHIP	100	5%	1/10W
R460	1-216-864-11	SHORT CHIP	0		
R461	1-216-821-11	METAL CHIP	1K	5%	1/10W
R462	1-216-833-11	METAL CHIP	10K	5%	1/10W
R470	1-216-864-11	SHORT CHIP	0		
R471	1-216-821-11	METAL CHIP	1K	5%	1/10W
R472	1-216-833-11	METAL CHIP	10K	5%	1/10W
R481	1-216-801-11	METAL CHIP	22	5%	1/10W
R485	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R491	1-216-805-11	METAL CHIP	47	5%	1/10W
R502	1-216-809-11	METAL CHIP	100	5%	1/10W
R503	1-216-809-11	METAL CHIP	100	5%	1/10W
R504	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R505	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R507	1-216-845-11	METAL CHIP	100K	5%	1/10W
R509	1-216-812-11	METAL CHIP	180	5%	1/10W
R510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R511	1-216-821-11	METAL CHIP	1K	5%	1/10W
R512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R517	1-216-841-11	METAL CHIP	47K	5%	1/10W
R519	1-216-845-11	METAL CHIP	100K	5%	1/10W
R520	1-216-809-11	METAL CHIP	100	5%	1/10W
R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R522	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R523	1-216-809-11	METAL CHIP	100	5%	1/10W
R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W
R526	1-216-845-11	METAL CHIP	100K	5%	1/10W
R529	1-216-809-11	METAL CHIP	100	5%	1/10W
R531	1-216-845-11	METAL CHIP	100K	5%	1/10W
R532	1-216-845-11	METAL CHIP	100K	5%	1/10W
R533	1-216-845-11	METAL CHIP	100K	5%	1/10W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R537	1-216-845-11	METAL CHIP	100K	5%	1/10W
R540	1-216-845-11	METAL CHIP	100K	5%	1/10W
R544	1-216-809-11	METAL CHIP	100	5%	1/10W
R549	1-216-845-11	METAL CHIP	100K	5%	1/10W
R550	1-216-845-11	METAL CHIP	100K	5%	1/10W
R554	1-216-845-11	METAL CHIP	100K	5%	1/10W
R555	1-216-845-11	METAL CHIP	100K	5%	1/10W
R556	1-216-845-11	METAL CHIP	100K	5%	1/10W
R557	1-216-809-11	METAL CHIP	100	5%	1/10W
R558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R560	1-216-845-11	METAL CHIP	100K	5%	1/10W
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R566	1-216-845-11	METAL CHIP	100K	5%	1/10W

Refer to the MIC SENSITIVITY ADJUSTMENT described on page 16 if the microphone (MIC901) or any semi-fixed resistor (R290) is faulty.

Ref. No.	Part No.	Description			Remark
R567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R568	1-216-849-11	METAL CHIP	220K	5%	1/10W
R570	1-216-809-11	METAL CHIP	100	5%	1/10W
R571	1-216-845-11	METAL CHIP	100K	5%	1/10W
R574	1-216-845-11	METAL CHIP	100K	5%	1/10W
R600	1-216-845-11	METAL CHIP	100K	5%	1/10W
R603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R604	1-216-821-11	METAL CHIP	1K	5%	1/10W
R611	1-216-849-11	METAL CHIP	220K	5%	1/10W
R612	1-216-849-11	METAL CHIP	220K	5%	1/10W
R615	1-216-864-11	SHORT CHIP	0		
R636	1-216-845-11	METAL CHIP	100K	5%	1/10W
R671	1-216-809-11	METAL CHIP	100	5%	1/10W
R672	1-216-809-11	METAL CHIP	100	5%	1/10W
R673	1-216-833-11	METAL CHIP	10K	5%	1/10W
R674	1-216-845-11	METAL CHIP	100K	5%	1/10W
R705	1-249-425-11	CARBON	4.7K	5%	1/4W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-841-11	METAL CHIP	47K	5%	1/10W
R708	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R915	1-216-845-11	METAL CHIP	100K	5%	1/10W
R916	1-216-845-11	METAL CHIP	100K	5%	1/10W
R917	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< SWITCH >			
S103	1-786-826-11	SWITCH, TACTILE (RESET)			
		< THERMISTOR >			
TH270	1-804-045-11	THERMISTOR			
		< TUNER UNIT >			
TU1	A-3220-961-B	TUNER UNIT (TUX-032)			
		< VIBRATOR >			
X501	1-813-524-21	VIBRATOR, CERAMIC (18.432MHz)			
X502	1-767-317-11	VIBRATOR, CRYSTAL (32.768kHz)			
**********					
	A-1201-631-A	SERVO BOARD, COMPLETE			
		**********			
**********					
		MISCELLANEOUS			
		**********			
7	1-833-974-31	CONNECTION CORD FOR AUTOMOBILE (POWER)			
⚠ 103	X-2149-672-1	SERVICE ASSY, OP (DAX-25A)			
**********					
		ACCESSORIES			
		**********			
	1-479-077-13	REMOTE COMMANDER (RM-X151)			
	2-548-729-01	LID, BATTERY CASE (for RM-X151)			
	3-287-414-11	MANUAL, INSTRUCTION (ENGLISH,SPANISH)			
	3-287-415-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH)			
	X-2186-697-1	CASE ASSY (for FRONT PANEL)			
**********					

Ref. No.	Part No.	Description	Remark
	PARTS FOR INSTALLATION AND CONNECTIONS		
	**********		
151	X-2179-430-1	FRAME ASSY, FITTING	
152	3-280-059-01	COLLAR	
153	3-246-011-01	KEY (FRAME)	
154	A-1082-993-A	SCREW ASSY (BS4), FITTING	
155	3-259-776-01	SCREW (+K 5X8 TP)	
156	1-833-974-31	CONNECTION CORD FOR AUTOMOBILE (POWER)	



REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2008.03	New