

CDX-S2200

SERVICE MANUAL

Ver 1.0 2004. 05

AEP Model
UK Model



- The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	CDX-R3300
CD Drive Mechanism Type	MG-611MA-186//Q
Optical Pick-up Name	KSS1000E

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 – 108.0 MHz
Aerial terminal External 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

MW/LW

Tuning range MW: 531 – 1,602 kHz
LW: 153 – 279 kHz
Aerial terminal External aerial connector
Intermediate frequency 10.7 MHz/450 kHz
Sensitivity MW: 30 μ V
LW: 40 μ V

Power amplifier section

Outputs Speaker outputs
(sure seal connectors)
Speaker impedance 4 – 8 ohms
Maximum power output 50 W $\times$ 4 (at 4 ohms)

General

Outputs Audio outputs terminal
(rear)
Power aerial relay control terminal
Power amplifier control terminal
Inputs Telephone ATT control terminal
Remote controller input terminal
Aerial input terminal
Tone controls Low: ± 10 dB at 60 Hz (XPLOD)
Mid: ± 10 dB at 1 kHz (XPLOD)
High: ± 10 dB at 10 kHz (XPLOD)

– Continued on next page –

FM/MW/LW COMPACT DISC PLAYER

9-877-830-01
2004E04-1
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Sony Corporation
e Vehicle Company
Published by Sony Engineering Corporation

SONY®

CDX-S2200

Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 176 mm (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 161 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1)

Design and specifications are subject to change without notice.

SERVICE NOTES

CAUTION

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

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.

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

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

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

NOTES ON LASER DIODE EMISSION CHECK

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

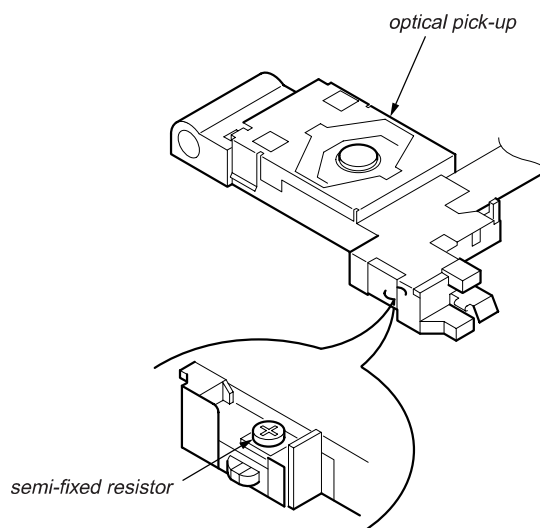
Notes on Chip Component Replacement

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

SAFETY-RELATED COMPONENT WARNING!!

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

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.



TEST DISCS

This set can playback CD-R and CD-ROM discs. The following test discs should be used to check the capability:

- CD-R test disc TCD-R082LMT (Part No. J-2502-063-1)
- CD-RW test disc TCD-W082L (Part No. J-2502-063-2)

Notes on CD-Rs (recordable CDs)/CD-RWs (rewritable CDs)

This unit can play the following discs:

Type of discs	Label on the disc
Audio CD	
MP3 files	

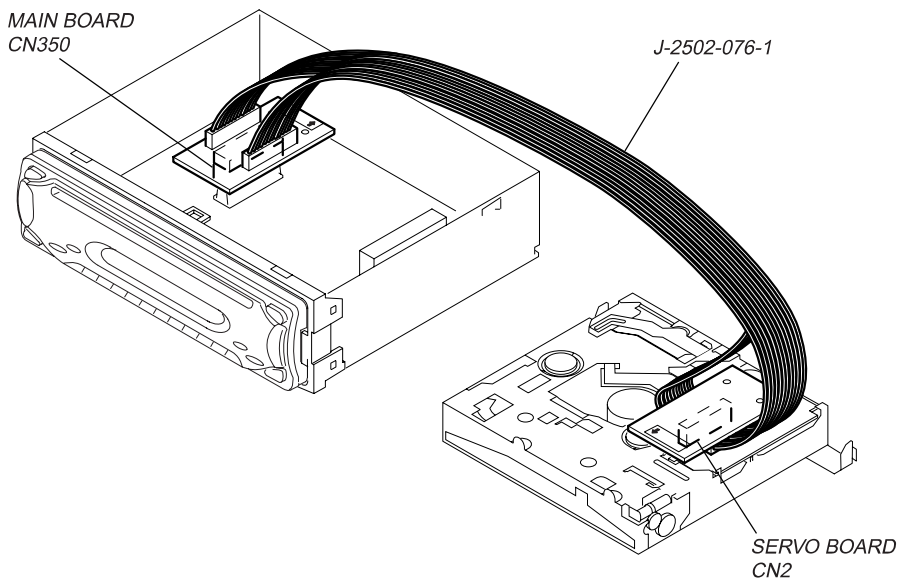
- Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- You cannot play a CD-R/CD-RW that is not finalized*.
- You can play MP3 files recorded on CD-ROMs, CD-Rs, and CD-RWs.
- A CD-R/CD-RW to which a session can be added can be played.

* A process necessary for a recorded CD-R/CD-RW disc to be played on the audio CD player.

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).



● UNLEADED SOLDER

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

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

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

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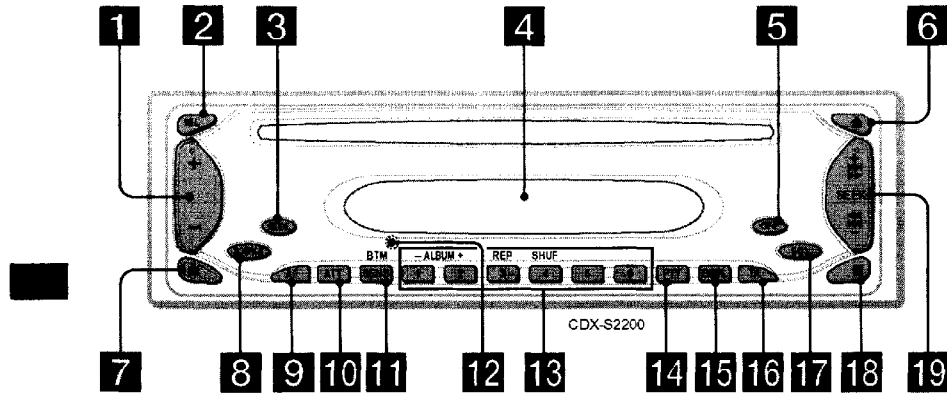
5. ELECTRICAL PARTS LIST 38

SECTION 1 GENERAL

This section is extracted
from instruction manual.

Location of controls

Refer to the pages listed for details.



- 1** Volume +/- button
- 2** SEL (select) button
To select items.
- 3** MODE button
To change the operation.
- 4** Display window
- 5** OFF (Stop/Power off) button* 9, 11
- 6** ▲ (eject) button 11
- 7** 🗑 (front panel release) button 9
- 8** SOURCE (Power on/Radio/CD) button
To select the source.
- 9** AF button 14, 15, 16
- 10** ATT (attenuate) button 19
- 11** SENS/BTM button 12, 13, 16
- 12** RESET button (located on the front side of the unit, behind the front panel) 9
- 13** Number buttons
Radio:
To store the desired station on each number button.
MP3 files:
①: ALBUM - 11
②: ALBUM + 11
CD:
③: REP 12
④: SHUF 12

- 14** PTY (programme type) button 16, 17
- 15** DSPL (display mode change) button 10, 11, 14
- 16** TA button 15, 16
- 17** EQ3 button 20, 21
- 18** Receptor for the card remote commander
- 19** SEEK +/- button
Radio:
To tune in stations automatically/find a station manually.
CD (MP3 files):
To skip tracks/fast-forward, reverse a track.

*** Warning when installing in a car without an ACC (accessory) position on the ignition switch**
After turning off the ignition, be sure to press and hold **OFF** on the unit until the display disappears.
Otherwise, the display does not turn off and this causes battery drain.

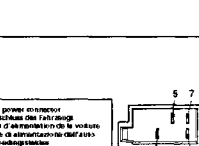
Connections

[illegible]

- **More for the aerial connecting**
If you use an aerial cable (e.g. for a standard antenna) for your Standardisation type, use the supplied adaptor (1) to connect it.
First connect the cable to the top of the supplied adaptor, then connect it to the aerial jack of the master unit.
- **ICA pin cord (not supplied)**
Insert within the cord upwards.
- **Hinweis zum Anschluss der Antenne**
Wenn Ihre Fahrzeugantenne der nachfolgenden Art ist, verwenden Sie das mitgelieferte Adapterkabel für Standardisation.
Informations:
Nur ein Antennenanschluss ist möglich. Es ist nicht möglich, zwei verschiedene Adapter(3) an Verbinden. Sie zuerst die Antenne mit dem Adapter (2) an Standardisation Adapter und verbinden.
In diesen Schritt mit der Antennenanschluss des Hauptgeräts.
- **Einzel (nicht mitgeliefert)**
• **Nicht oben Kabel nach oben stecken**

[illegible]

- * **Opmenging op de externe-aanpak**
 Heten Low auto's ingekocht met een andere van het type 100 (International Organisation for Standardization), met u die auto's met 100's van uw eigenlijke adapter (3)
- * **Uit eerst de auto's van op de meeslechte groepen en vervolgens de auto's van op de meest goede groepen**
- * **Tegengedrukt met het afgewend**
- * **Plaatsen met het naar meer boven**

[illegible]

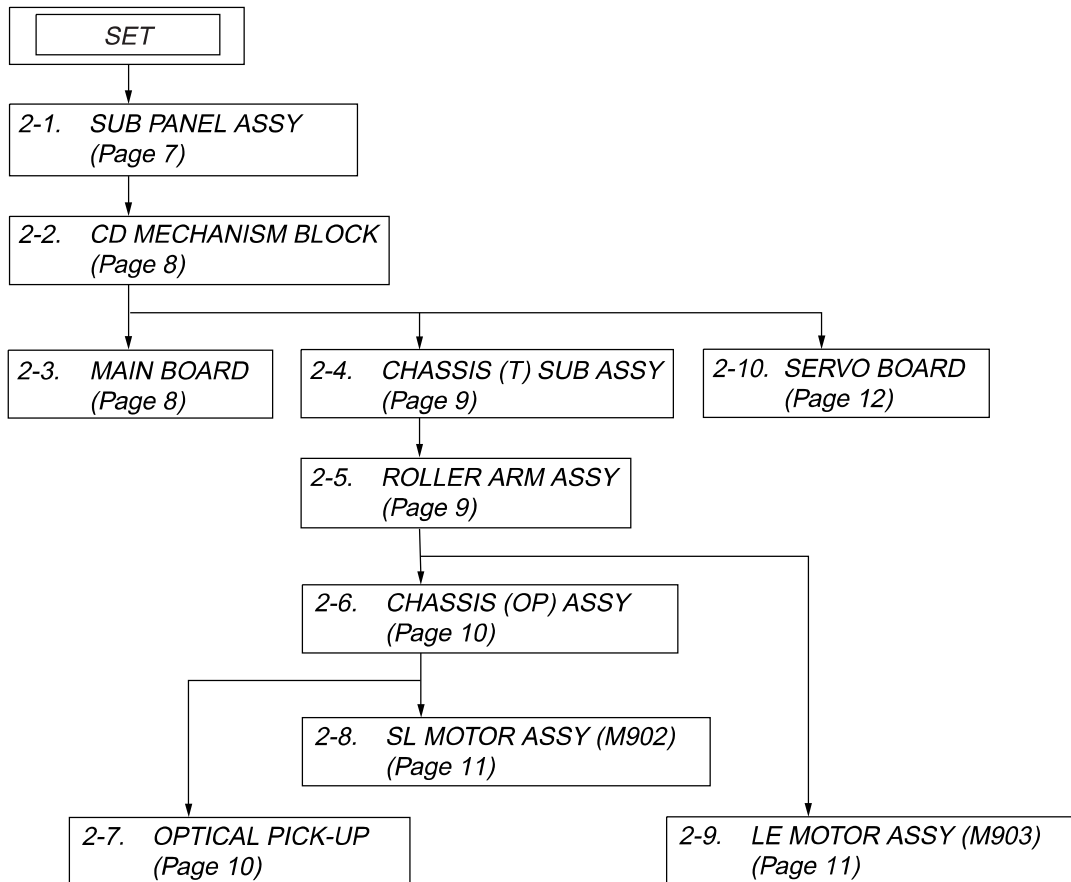
Posizioni 1, 2, 3 and 6 do not have pins.
An Position 1, 2, 3 und 6 befinden sich keine Stifte.
Les positions 1, 2, 3 et 6 ne comportent pas de broches.
Le posizioni 1, 2, 3 e 6 non hanno pinde.
De posities 1, 2, 3 en 6 hebben geen pins.

Negative polarity positions 2, 4, 6, and 8 have striped heads. An den negatieve polen Positionen 2, 4, 6 und 8 befinden sich gestreifte Adern. (Les positions de polarité négative 2, 4, 6 et 8 ont des têtes rayées. Les positions à polarité négative 2, 4, 6 et 8 ont des têtes rayées.) De postjes voor negatieve polariteit (2, 4, 6 en 8) hebben gestreepte koppen.

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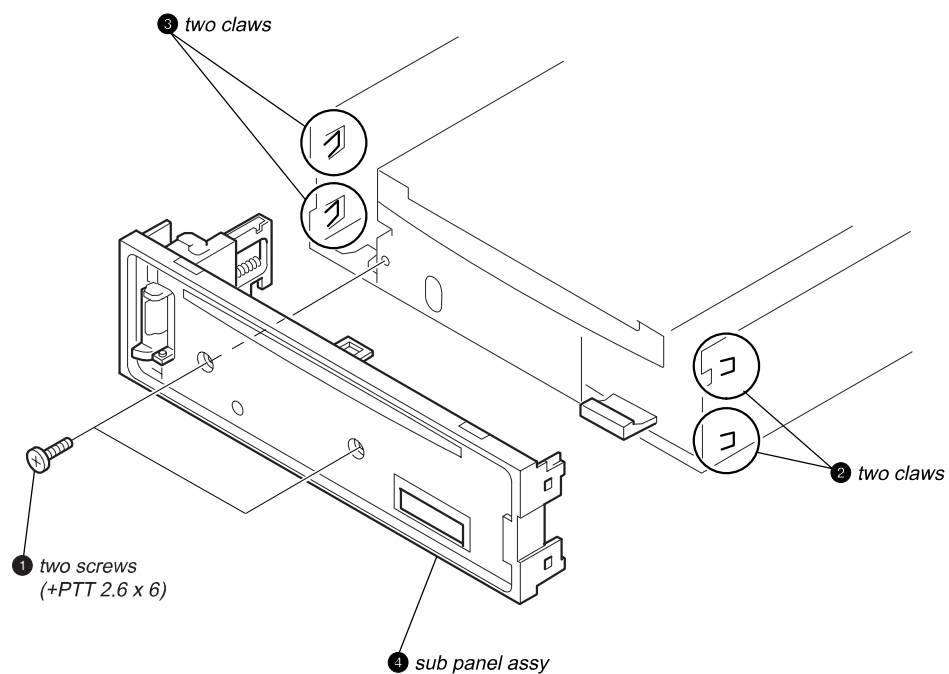
SECTION 2 DISASSEMBLY

Note : This set can be disassemble according to the following sequence.



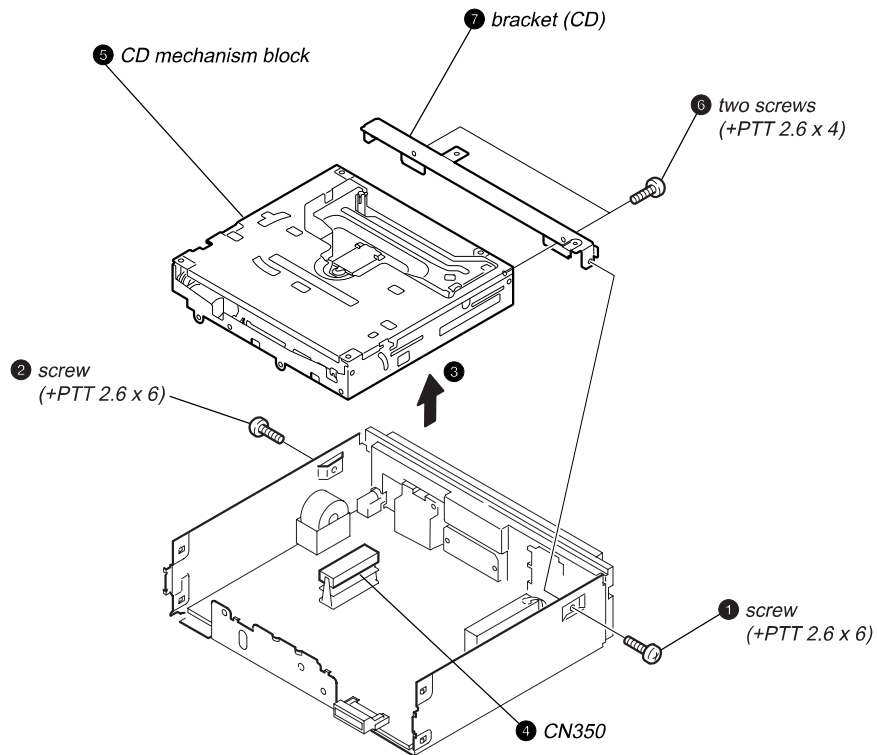
Note : Follow the disassembly procedure in the numerical order given.

2-1. SUB PANEL ASSY

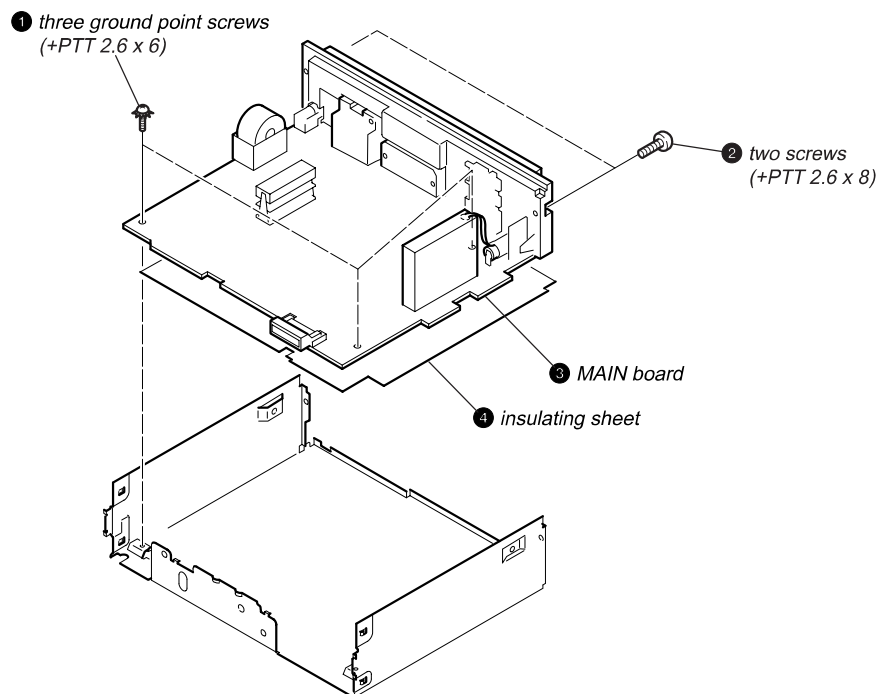


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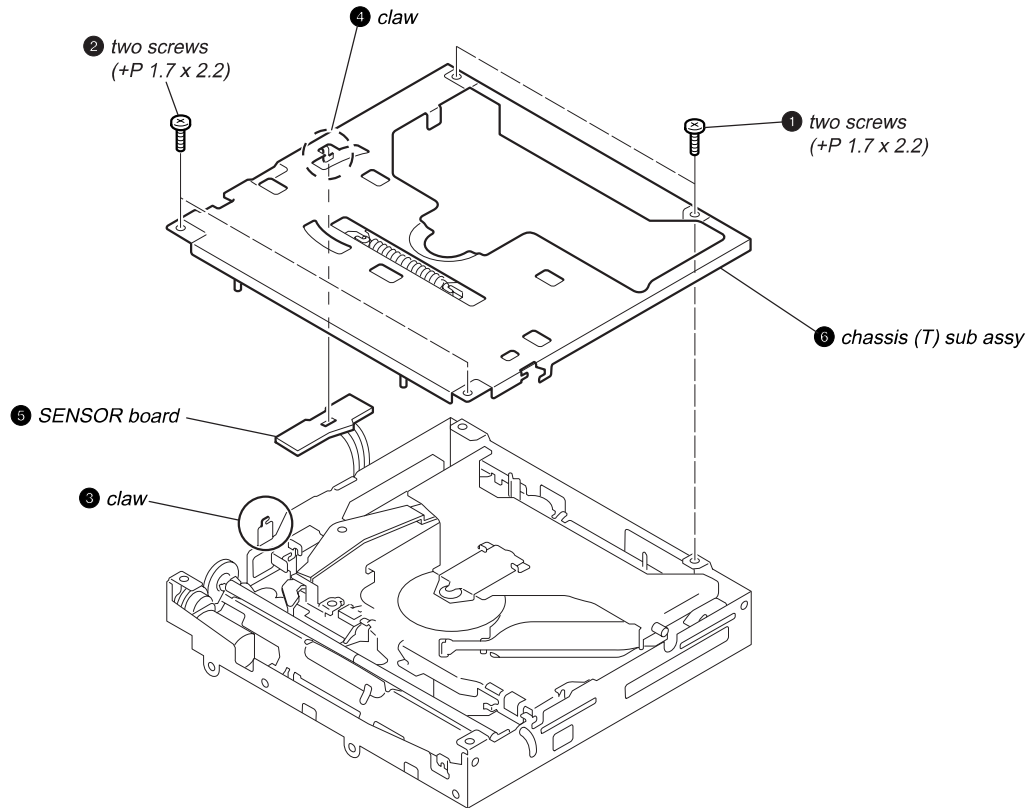
2-2. CD MECHANISM BLOCK



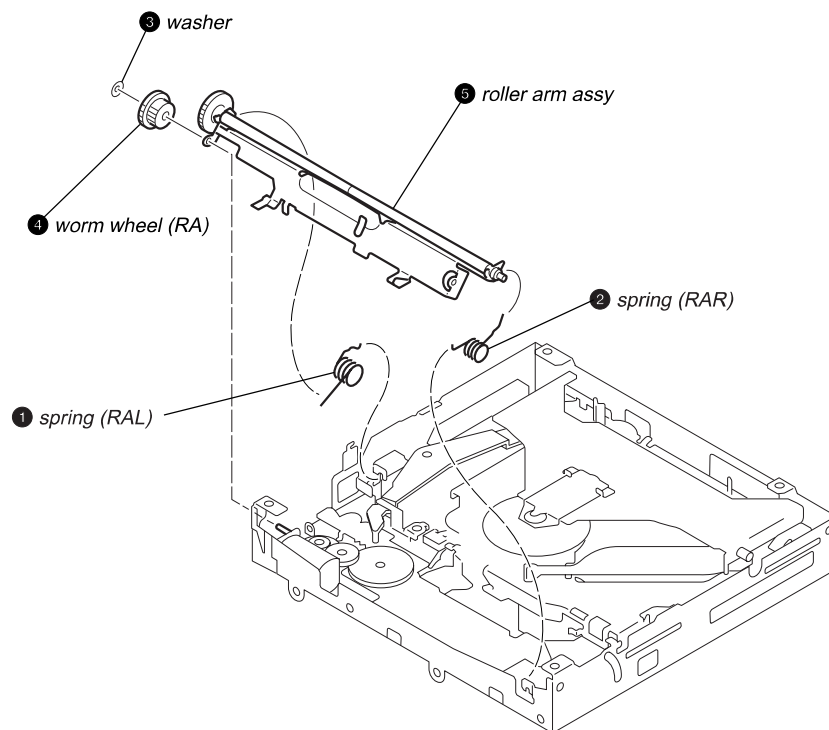
2-3. MAIN BOARD



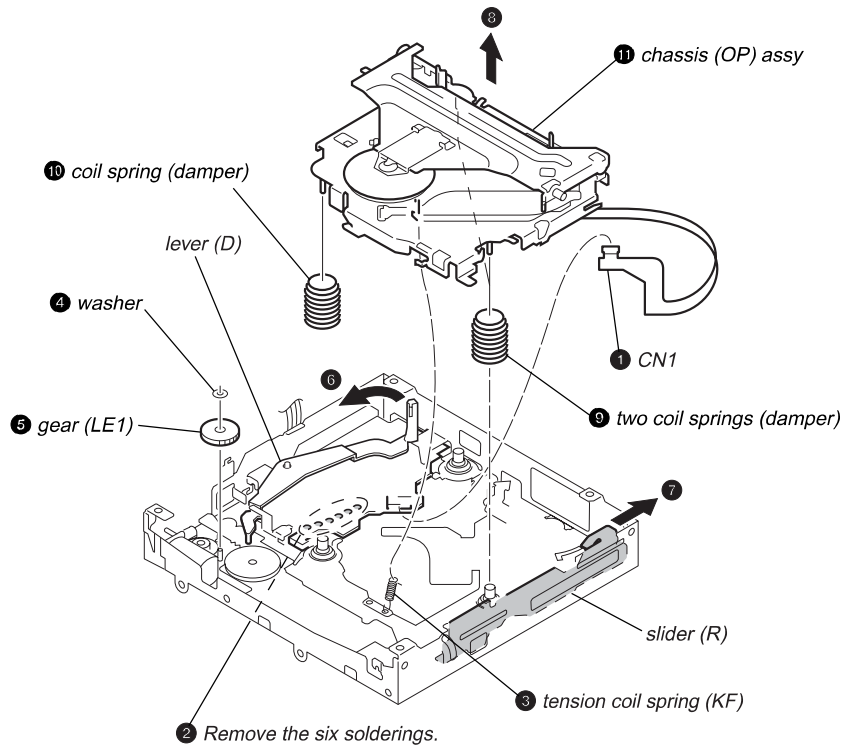
2-4. CHASSIS (T) SUB ASSY



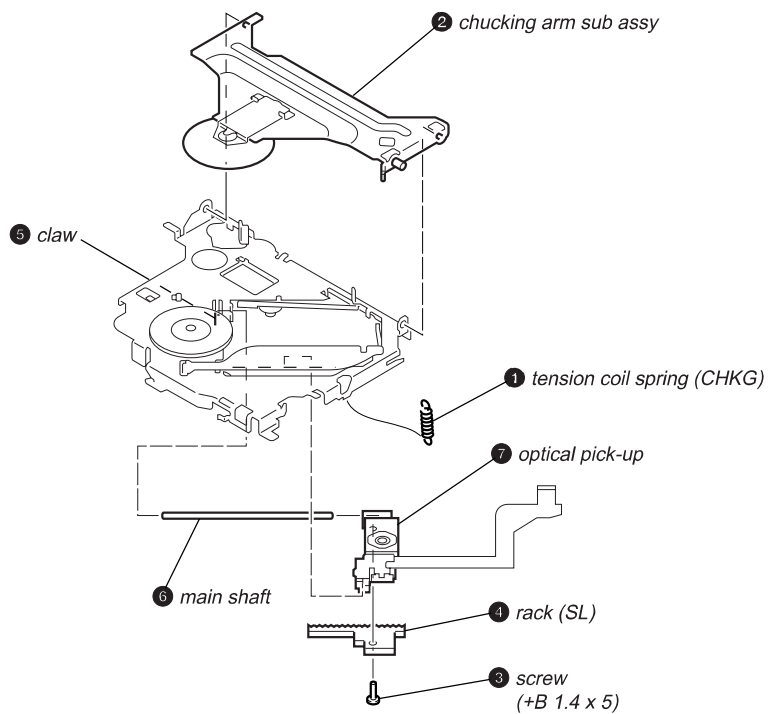
2-5. ROLLER ARM ASSY



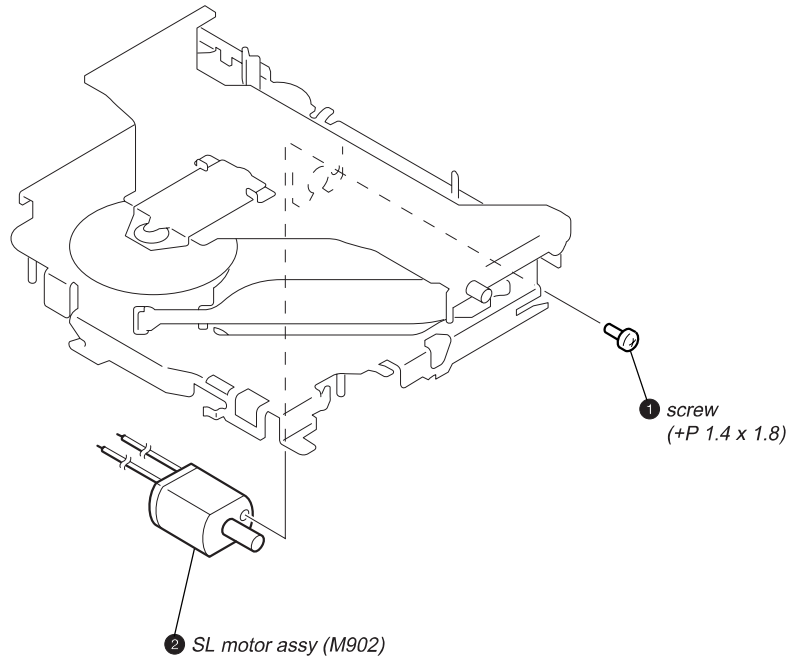
2-6. CHASSIS (OP) ASSY



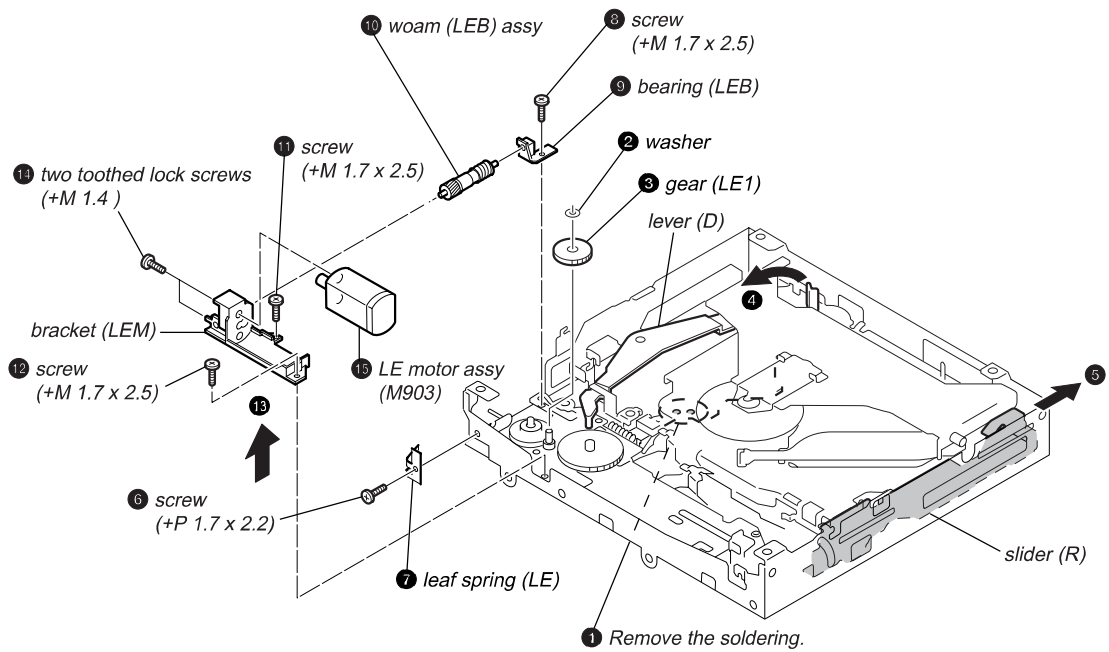
2-7. OPTICAL PICK-UP



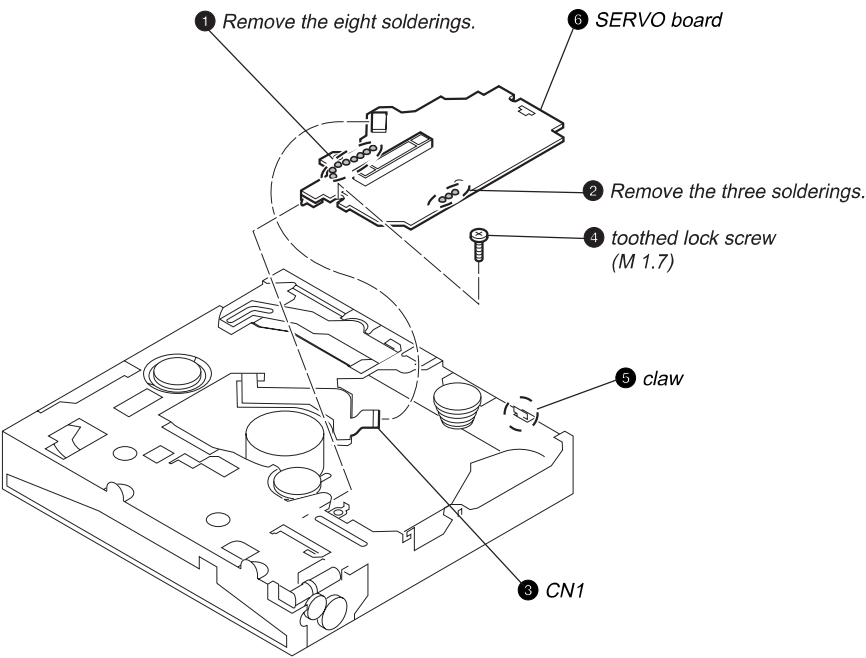
2-8. SL MOTOR ASSY (M902)



2-9. LE MOTOR ASSY (M903)



2-10. SERVO BOARD



SECTION 3

DIAGRAMS

3-1. IC PIN DESCRIPTIONS

• IC3 CXD3059BR (DIGITAL SERVO/DIGITAL SIGNAL PROCESSOR) (SERVO BOARD (1/2))

Pin No.	Pin Name	I/O	Pin Description
1	MIRR	I/O	Mirror signal input/output (Not used in this set)
2	DFCT	I/O	Defect signal input/output (Not used in this set)
3	FOK	I/O	Focus OK signal input/output
4	VSS	—	Ground
5	LOCK	I/O	Lock signal input/output (Not used in this set)
6	MDP	O	Spindle motor servo control signal output
7	SSTP	I	Disc most inner detection signal input (Fixed at L in this set)
8	IOVSS1	—	Digital ground
9	SFDR	O	Sled drive signal output (FWD direction)
10	SRDR	O	Sled drive signal output (REV direction)
11	TFDR	O	Tracking drive signal output (FWD direction)
12	TRDR	O	Tracking drive signal output (REV direction)
13	FFDR	O	Focus drive signal output (FWD direction)
14	FRDR	O	Focus drive signal output (REV direction)
15	IOVDD1	—	Digital power supply pin (+3.3 V)
16	AVDD0	—	Analog power supply pin (+3.2 V)
17	AVSS0	—	Analog ground
18	NC	—	Not used. (Open)
19	E	I	E signal input
20	F	I	F signal input
21	TEI	I	Tracking error signal input
22	TEO	O	Tracking error signal output
23	FEI	I	Focus error signal input
24	FEO	O	Focus error signal output
25	VC	I/O	VC voltage output/Center voltage input
26	A	I	A signal input
27	B	I	B signal input
28	C	I	C signal input
29	D	I	D signal input
30	NC	—	Not used. (Open)
31	AVDD4	—	Analog power supply pin (+3.2 V)
32	RFDCO	I/O	RFDC signal input/output (Not used in this set)
33	PDSSENS	I	Reference voltage input (Fixed at L in this set)
34	AC_SUM	O	RFAC summing amplifier signal output
35	EQ_IN	I	Equalizer circuit signal input
36	LD	O	APC amplifier signal output
37	PD	I	APC amplifier signal input
38	NC	—	Not used. (Open)
39	RFC	I	EQ cut off frequency adjustment input
40	AVSS4	—	Analog ground
41	RFACO	O	RFAC signal output
42	RFACI	I	RFAC signal input
43	AVDD3	—	Analog power supply pin (+3.2 V)
44	BIAS	I	Asymmetry circuit constant current input
45	ASYI	I	Asymmetry compare voltage input
46	ASYO	O	EFM full swing signal output
47	VPCO	O	Charge pump output
48	VCTL	I	VCO2 control voltage input
49	AVSS3	—	Analog ground
50	CLTV	I	VCO1 control voltage input
51	FILO	O	Filter signal output

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Pin No.	Pin Name	I/O	Pin Description
52	FILI	I	Filter signal input
53	PCO	O	Charge pump output
54	AVDD5	—	Analog power supply pin (+3.3 V)
55	DDVROUT	O	DC/DC converter output
56	DDVRSEN	I	DC/DC converter output voltage monitor signal input
57	AVSS5	—	Analog ground
58	DDCR	I	Reset signal input
59	NC	—	Not used. (Open)
60	BCKI	I	D/A interface bit clock signal input
61	PCMDI	I	D/A interface serial data signal input
62	LRCKI	I	D/A interface LR clock signal input
63	LRCK	O	D/A interface LR clock signal output
64	VSS	—	Ground
65	PCMD	O	D/A interface serial data signal output
66	BCK	O	D/A interface bit clock signal output
67	VDD	—	Power supply pin (+2.6 V)
68	EMPH	O	Not used. (Open)
69	EMPHI	I	Not used. (Fixed at L in this set)
70	IOVDD2	—	Digital power supply pin (+3.3 V)
71	DOUT	—	Digital out signal output (Not used in this set)
72, 73	TEST	I	Test pin (Normally, fixed at L)
74	IOVSS2	—	Digital ground
75	NC	—	Not used. (Open)
76	XVSS	—	Ground
77	XTAO	O	Master clock signal output (16.9344 MHz)
78	XTAI	I	Master clock signal input (16.9344 MHz)
79	XVDD	—	Power supply pin (+2.6 V)
80	AVDD1	—	Analog power supply pin (+3.3 V)
81	AOUT1	O	L channel analog signal output
82	VREFL	O	L channel reference voltage output
83, 84	AVSS1, AVSS2	—	Analog ground
85	VREFR	O	R channel reference voltage output
86	AOUT2	O	R channel analog signal output
87	AVDD2	—	Analog power supply pin (+3.3 V)
88	NC	—	Not used. (Open)
89	IOVDD0	—	Digital power supply pin (+3.3 V)
90	RMUT	O	R channel “0” detection flug output
91	LMUT	O	L channel “0” detection flug output
92	NC	—	Not used. (Open)
93	XTSL	I	Sub clock signal input (Fixed at L in this set)
94	IOVSS0	—	Digital ground
95	XTACN	I	Oscillation circuit control signal input (Fixed at H in this set)
96	SQSO	O	Sub 80 bit, PCM peak and level data signal output
97	SQCK	I	Clock signal input
98	SBSO	O	Sub P-W serial data signal output (Not used in this set)
99	EXCK	I	Clock signal input (Not used in this set)
100	XRST	I	System reset signal input
101	SYSM	I	Mute signal input (Fixed at L in this set)
102	DATA	I	Serial data signal input
103	VSS	—	Ground
104	XLAT	I	Latch signal input
105	CLOK	I	Serial data transfer clock signal input
106	VDD	—	Power supply pin (+2.6 V)

Pin No.	Pin Name	I/O	Pin Description
107	SENS	O	SENS signal output
108	SCLK	I	Clock signal input
109	ATSK	I/O	Input/output for anti-shock. (Fixed at L in this set)
110	WFCK	O	WFCK signal output (Not used in this set)
111	XUGF	O	XUGF signal output (Not used in this set)
112	XPCK	O	XPCK signal output (Not used in this set)
113	GFS	O	GFS signal output
114	C2PO	O	C2PO signal output
115	SCOR	O	Sub code sync signal output
116	VDD	—	Power supply pin (+2.6 V)
117	C4M	O	4.2366 MHz signal output (Not used in this set)
118	WDCK	O	Word clock signal output (Not used in this set)
119	COUT	I/O	Track count signal output/output (Not used in this set)
120	NC	—	Not used. (Open)

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• IC500 MN101E01JKD (SYSTEM CONTROL) (MAIN BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	DAVDD	—	D/A converter power supply (+) pin (+3.3 V)
2	NCO	O	Not used. (Open)
3	DAVSS	—	D/A converter power supply (–) pin
4	UNISO	O	SONY-BUS data output (Not used in this set)
5	UNISI	I	SONY-BUS data input (Not used in this set)
6	UNICKO	O	SONY-BUS clock output (Not used in this set)
7	RETRA_SW	I	Not used. (Open)
8, 9	NCO	O	Not used. (Open)
10	VDD1	—	Power supply pin (+3.3 V)
11	MMOD	I	Not used. (Fixed at L in this set)
12	OSCO	O	Main clock output (27.648 MHz)
13	OSCIN	I	Main clock input (27.648 MHz)
14	VSS1	—	Ground
15	XIN	I	Sub clock input (32.768 kHz)
16	XOUT	O	Sub clock output (32.768 kHz)
17	VDD2	—	Power supply pin (+3.3 V)
18	MOD1	—	Not used. (Fixed at H in this set)
19	RESET	I	Microcomputer reset input
20	RCIN1	I	Rotary commander SHIFT key input
21	ACCIN	I	Accessory power supply detection input
22	TESTIN	I	Test mode detection input
23	TELATT	I	Telephone attenuator detection input
24	ATT	O	Audio mute control output
25	ADON	O	A/D converter power supply control output
26	NCO	O	Not used. (Open)
27	KEYACK	I	Key acknowledge detection input
28	TUATTIN	I	Mute zero cross detection input from tuner unit.
29	CDON	I	Servo power supply control input from CD system control IC.
30	CDMON	I	Loading 6V power supply control input from CD system control IC.
31	BUIN	I	Backup power supply detection input
32 to 35	NCO	O	Not used. (Open)
36	BUSON	O	BUS ON output to CD system control IC.
37	SYSRST	O	System reset output to CD system control IC.
38 to 41	NCO	O	Not used. (Open)
42	Z_MUTE	I	Mute zero cross detection input from CD system control IC.
43 to 49	NCO	O	Not used. (Open)
50	BSEL	I	Not used. (Open)
51	NCO	O	Not used. (Open)
52	AREASEL1	I	Not used. (Open)
53	AREASEL0	I	Not used. (Open)
54 to 56	NCO	O	Not used. (Open)
57	EJECT_OK_SW	O	Eject OK output
58	PANELSW	I	Front panel detach detection input (L: with front panel, H: without front panel)
59	DIAG	I	Mode input from power amp IC.
60	VOLATT	O	Attenuator control output to electronic volume IC.
61	NOSES	O	Not used. (Open)
62	NCO	O	Not used. (Open)
63	VSS2	—	Ground
64	TUATT	O	Tuner mute control output
65	NCO (TUON)	O	Not used. (Open)
66	NSMASK	O	Noise mask output
67	E2P_CKO	O	Serial clock output to EEPROM communication.

Pin No.	Pin Name	I/O	Pin Description
68	E2P_SIO	I/O	Serial data input/output with EEPROM communication.
69	DOORIND	O	Not used. (Open)
70	AMPSTB	O	Standby control output to power amp IC.
71	NCO	O	Not used. (Open)
72	FLS.SO/LCDSO	O	Serial data output to LCD driver IC.
73	FLS.SI/LCDCE	O	Chip enable output to LCD driver IC.
74	LCDCCKO	O	Serial clock output to LCD driver IC.
75 to 78	NCO	O	Not used. (Open)
79	I2C_SIO	I/O	I2C bus serial data input/output
80	NCO	O	Not used. (Open)
81	I2C_CKO	O	I2C bus serial clock output
82	DAVN	I	RDS data block synchronization detection input
83	SIRCS	I	SIRCS signal input
84	NCO	O	Not used. (Open)
85	BEEP	O	Beep output to power amp IC.
86 to 88	NCO	O	Not used. (Open)
89	VDD3	—	Power supply pin (+3.3 V)
90	NCO	O	Not used. (Open)
91	VSS3	—	Ground
92	QUALITY	I	Noise detection input
93	VSM	I	S-meter voltage detection input
94, 95	KEYIN1, 0	I	Key input 1, 0
96	RCIN0	I	Rotary commander key input
97 to 99	NCO	O	Not used. (Open)
100	VREF+	—	A/D converter power supply (+) pin (+3.3 V)

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

for schematic diagram:

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

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

- — : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ⇒ : FM
 - ⇒ : MW
 - ⇒ : CD

for printed wiring boards:

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

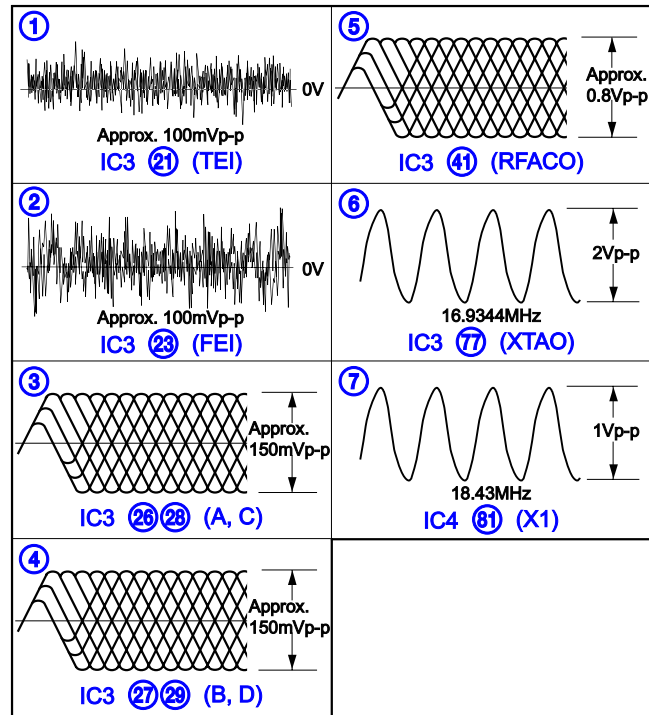
Caution:

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

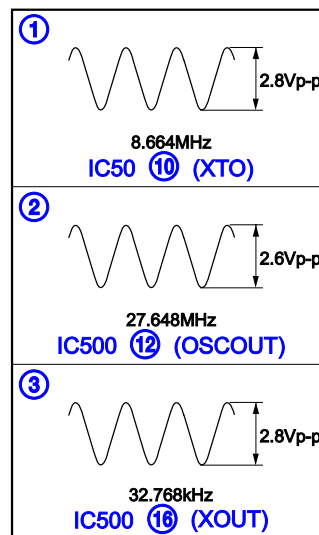
• Waveforms

— Servo Board —

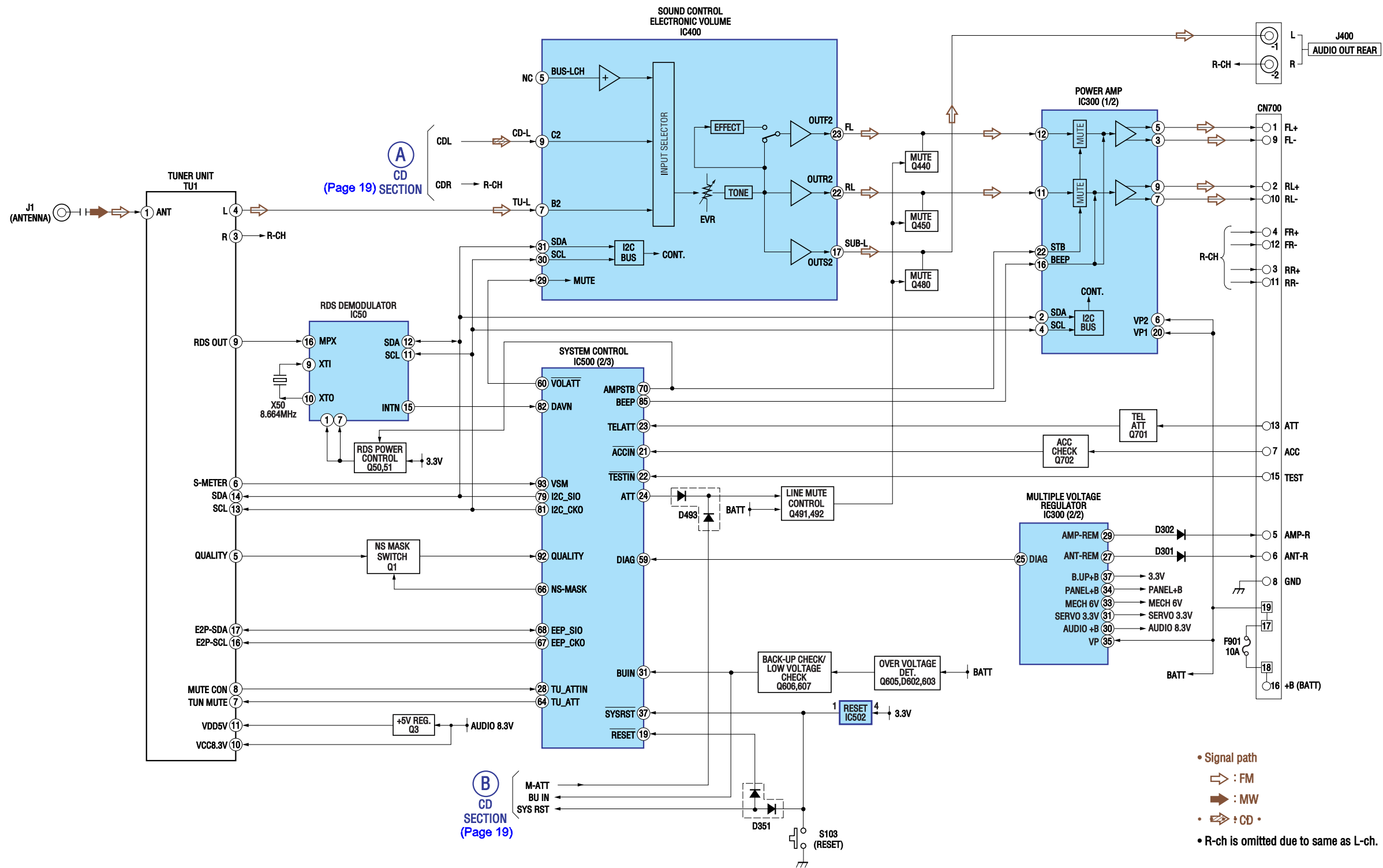
(MODE: CD PLAY)



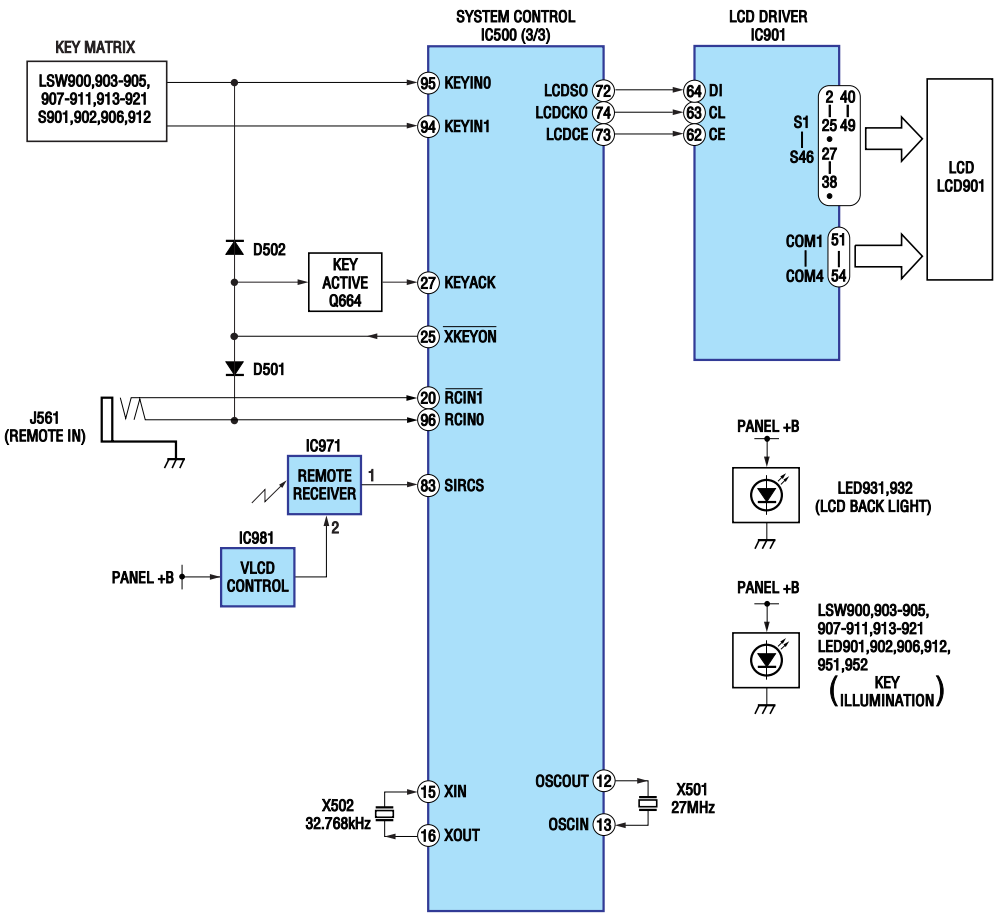
— Main Board —



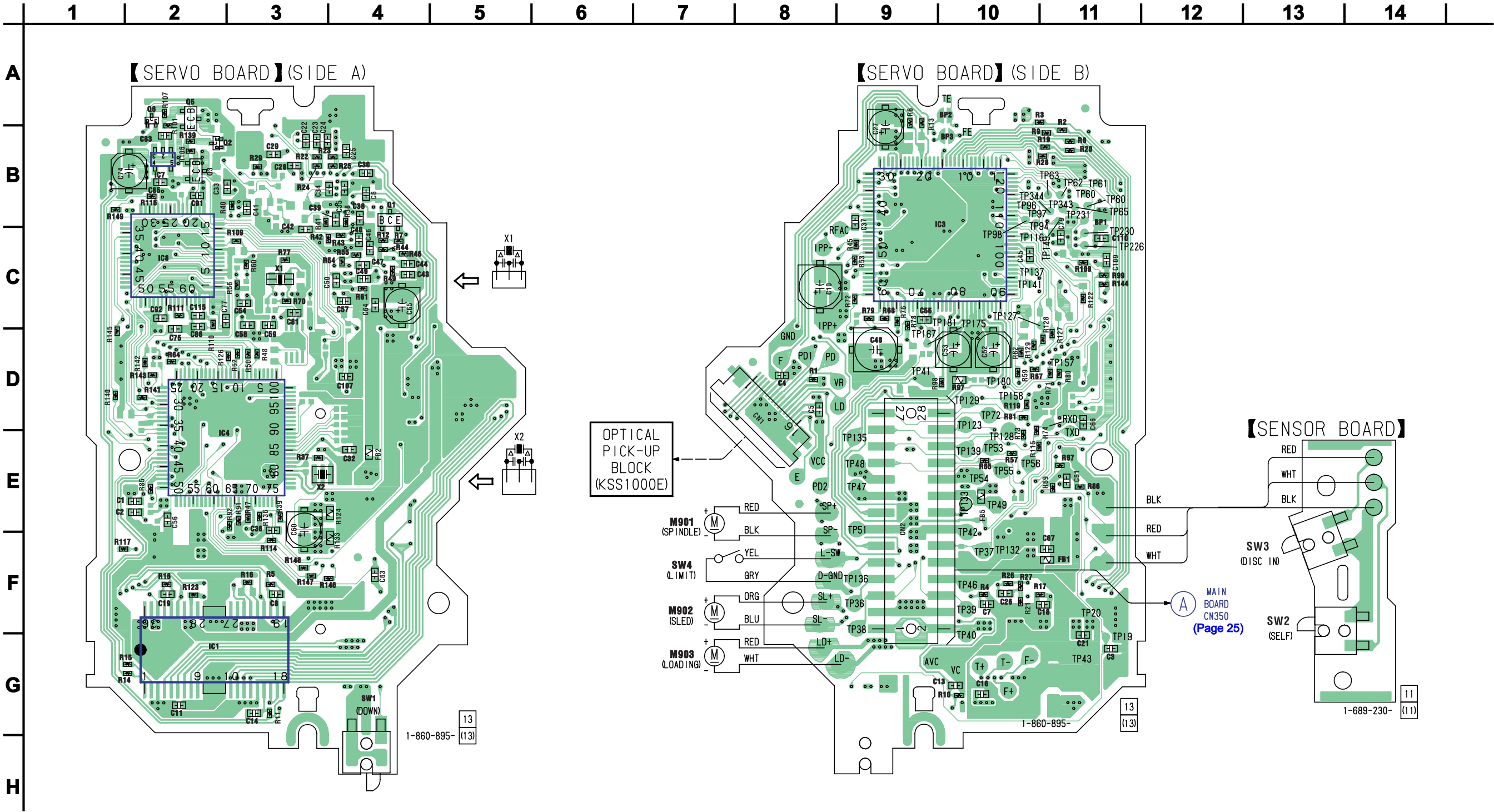
3-3. BLOCK DIAGRAM — TUNER SECTION —



3-4. BLOCK DIAGRAM — DISPLAY SECTION —



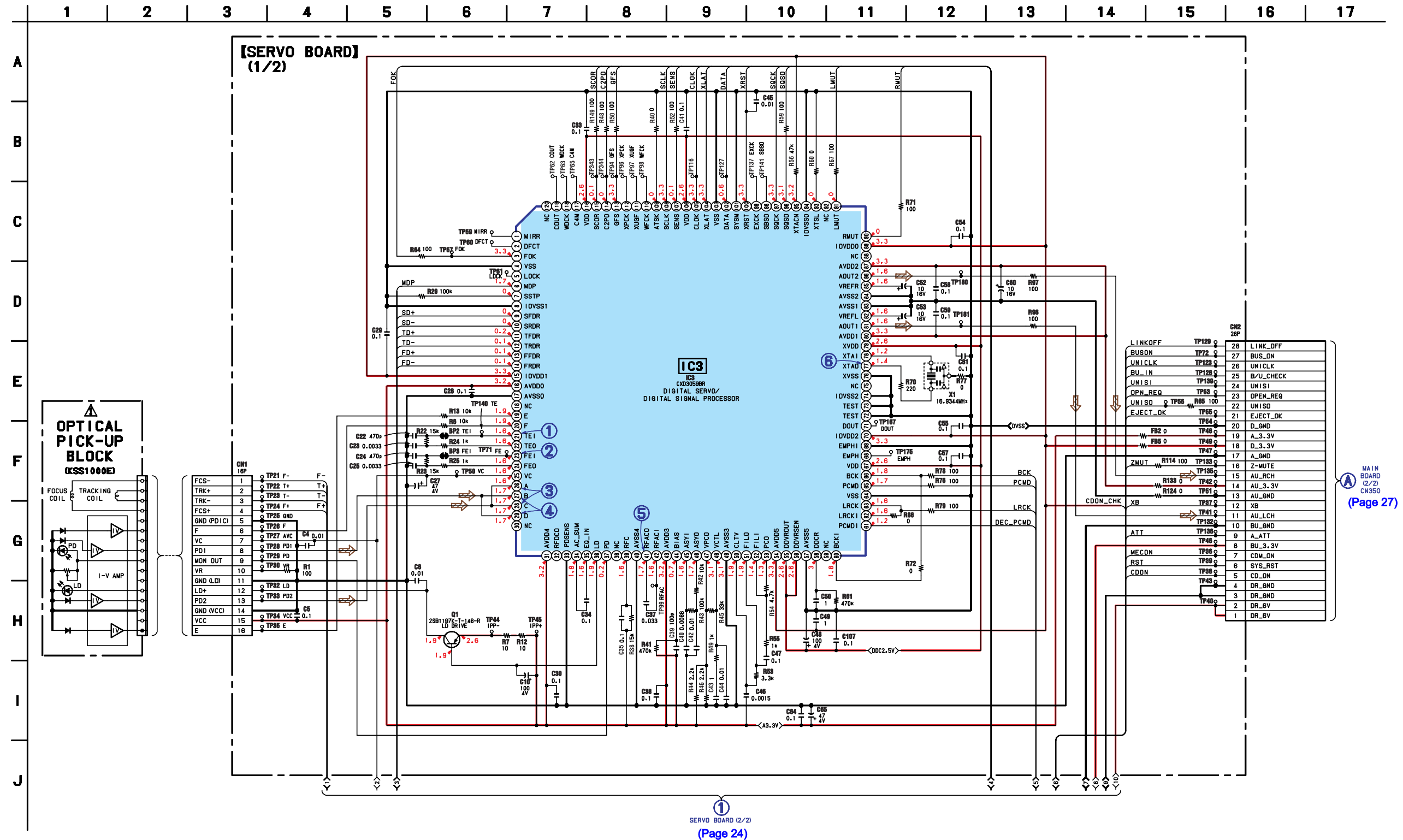
3-5. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 18 for Common Note for Printed Wiring Boards. : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
IC1	G-2
IC3	B-10
IC4	E-4
IC7	B-2
IC8	C-2
Q1	B-4
Q2	B-2
Q3	B-2
Q5	A-2
Q6	A-2

3-6. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 18 for Common Note on Schematic Diagram and Waveforms.

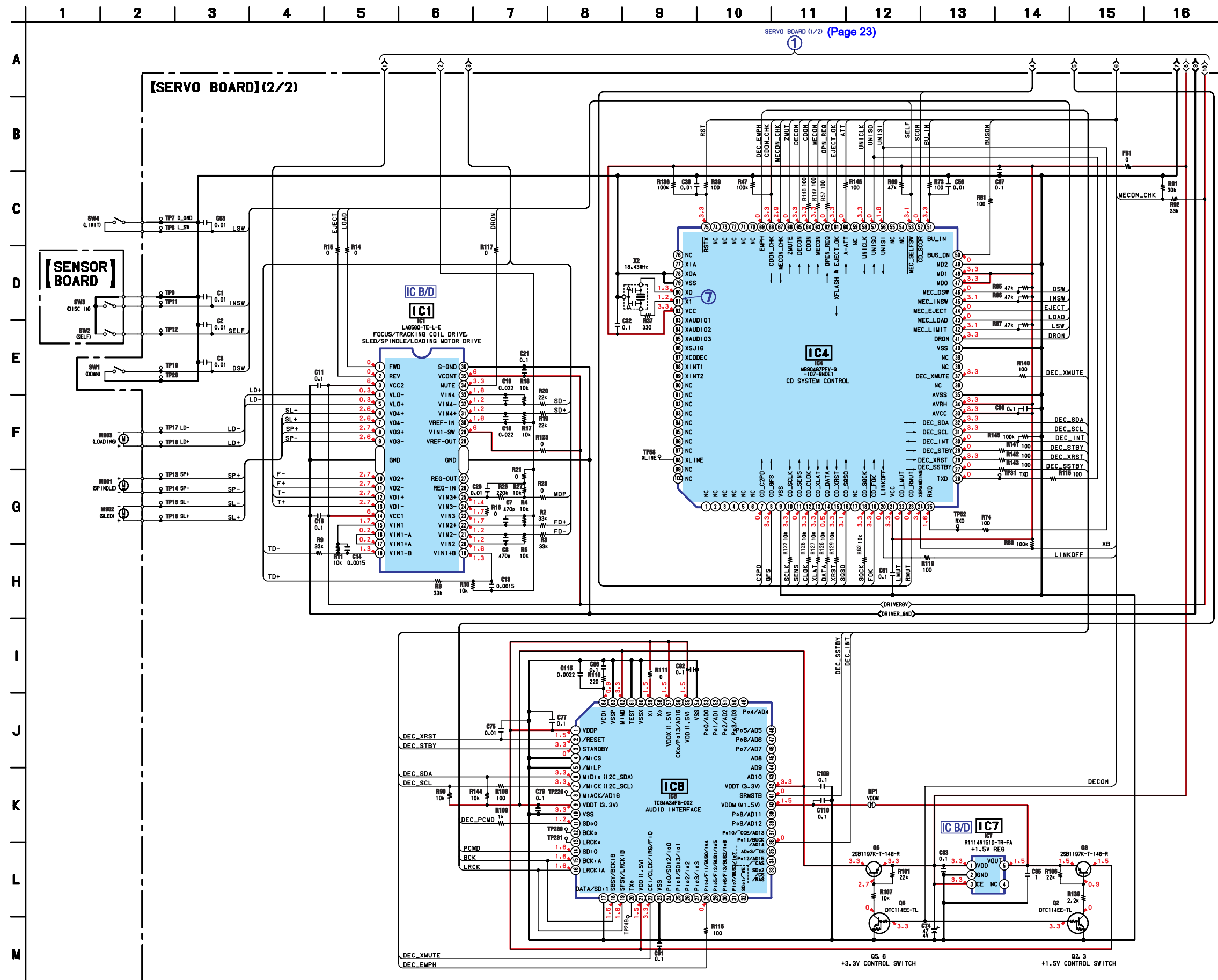


Note:

- Voltage is dc with respect to ground under no-signal conditions.
- no mark : CD PLAY

3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) —

- Refer to page 18 for Common Note on Schematic Diagram and Waveforms.
- Refer to page 30 for IC Block Diagrams.

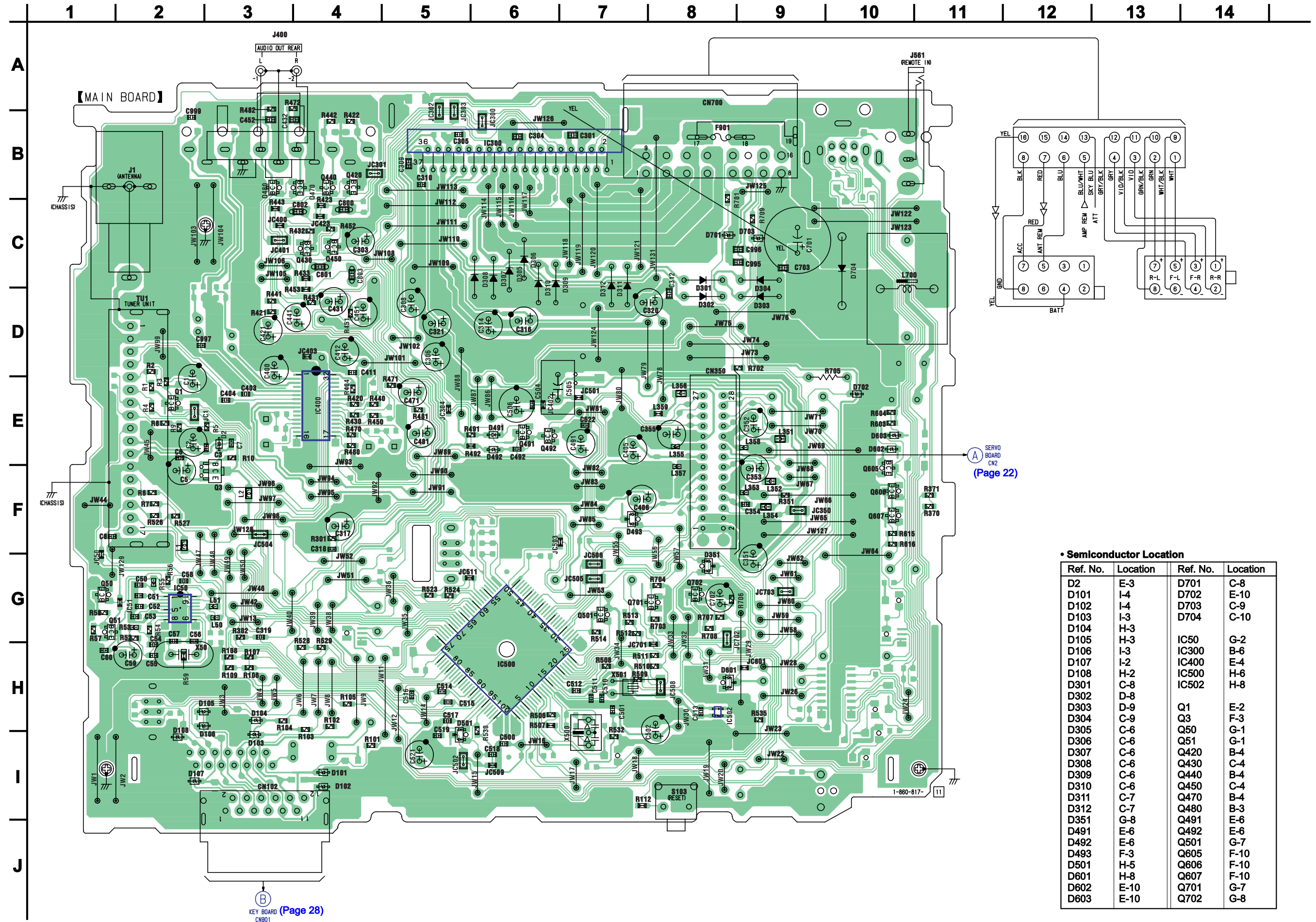


Note:

- Voltage is dc with respect to ground under no-signal conditions.
no mark : CD PLAY

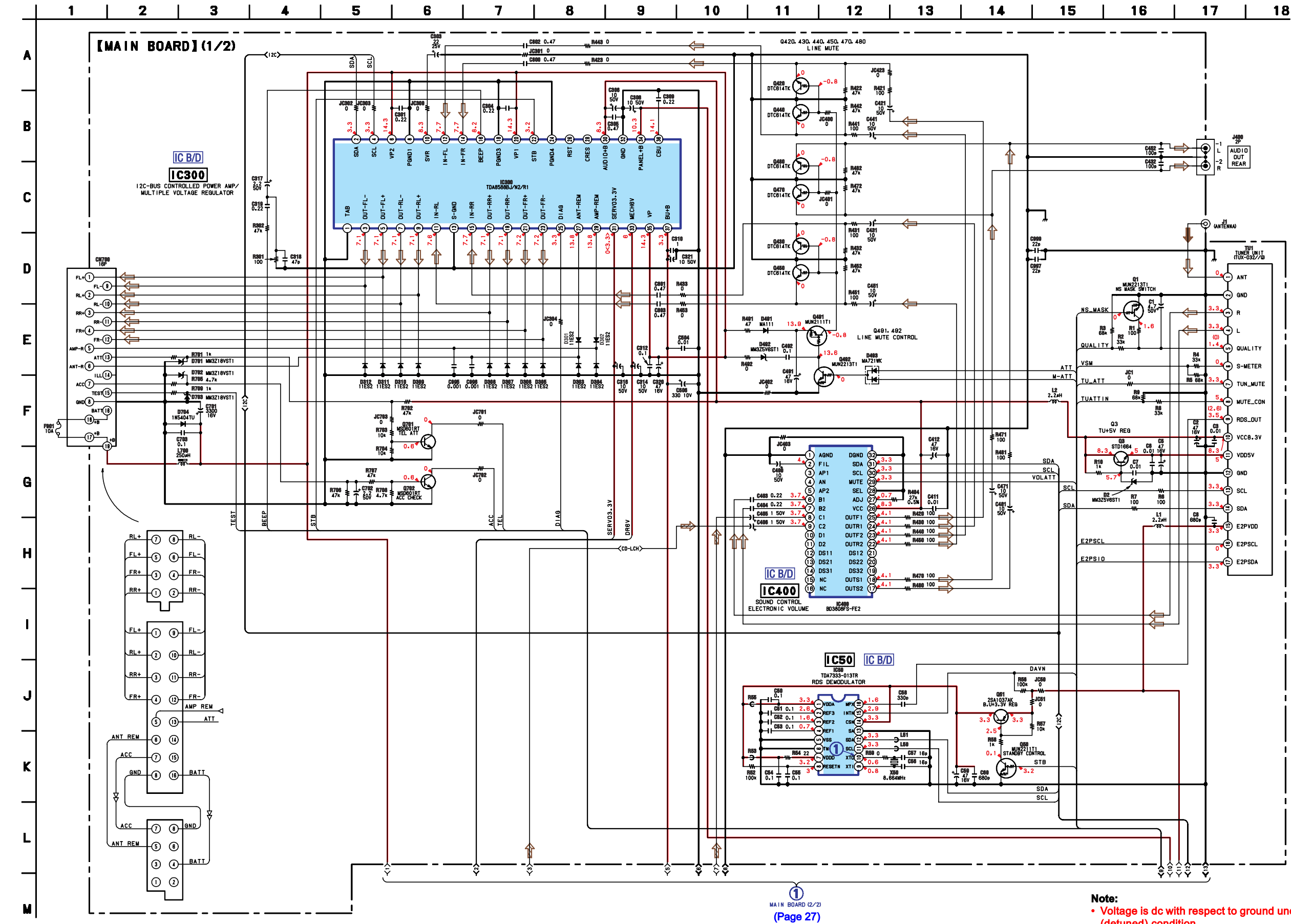
3-8. PRINTED WIRING BOARD — MAIN SECTION — • Refer to page 18 for Common Note on Printed Wiring Boards.

4 : Uses unleaded solder.

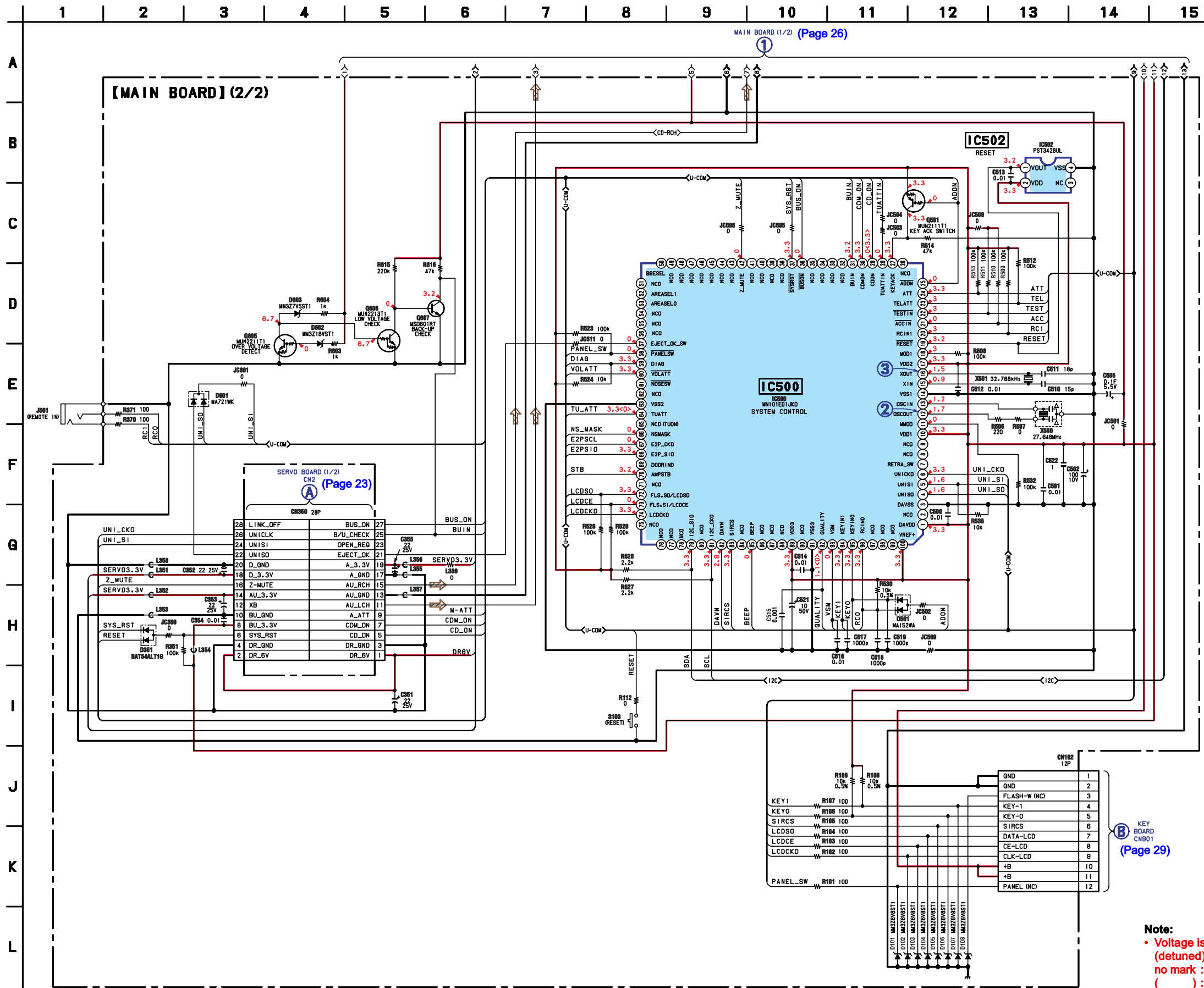


• Semiconductor Location			
Ref. No.	Location	Ref. No.	Location
D2	E-3	D701	C-8
D101	I-4	D702	E-10
D102	I-4	D703	C-9
D103	I-3	D704	C-10
D104	H-3		
D105	H-3	IC50	G-2
D106	I-3	IC300	B-6
D107	I-2	IC400	E-4
D108	H-2	IC500	H-6
D301	C-8	IC502	H-8
D302	D-8		
D303	D-9	Q1	E-2
D304	C-9	Q3	F-3
D305	C-6	Q50	G-1
D306	C-6	Q51	G-1
D307	C-6	Q420	B-4
D308	C-6	Q430	C-4
D309	C-6	Q440	B-4
D310	C-6	Q450	C-4
D311	C-7	Q470	B-4
D312	C-7	Q480	B-3
D351	G-8	Q491	E-6
D491	E-6	Q492	E-6
D492	E-6	Q501	G-7
D493	F-3	Q605	F-10
D501	H-5	Q606	F-10
D601	H-8	Q607	F-10
D602	E-10	Q701	G-7
D603	E-10	Q702	G-8

3-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 18 for Common Note on Schematic Diagram and Waveforms.
• Refer to page 30 for IC Block Diagrams.



3-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 18 for Common Note on Schematic Diagram and Waveforms.

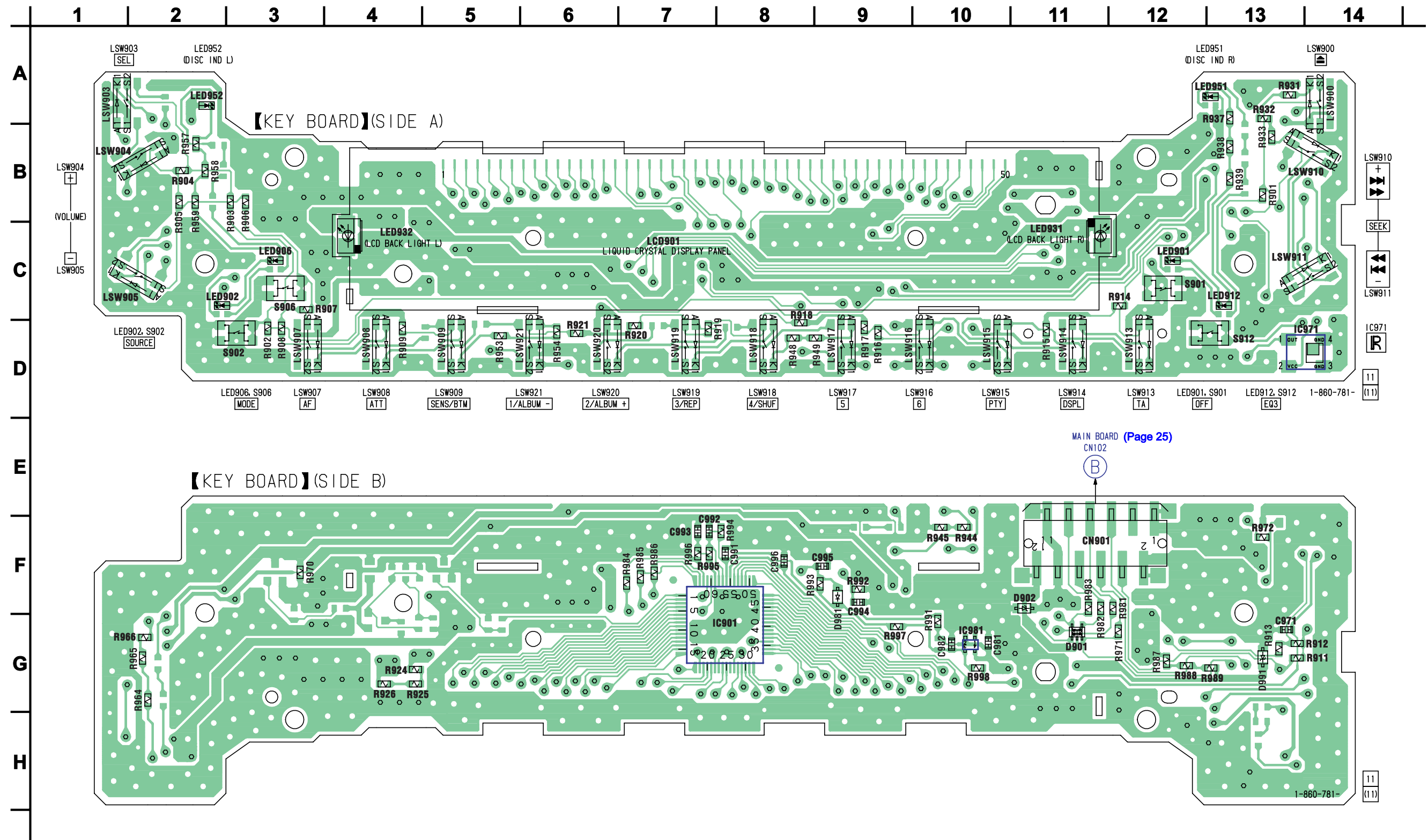


Note:

- Voltage is dc with respect to ground under no-signal (detuned) condition.
- no mark : FM
- () : MW
- < : CD PLAY

3-11. PRINTED WIRING BOARD — KEY SECTION — • Refer to page 18 for Common Note on Printed Wiring Boards.

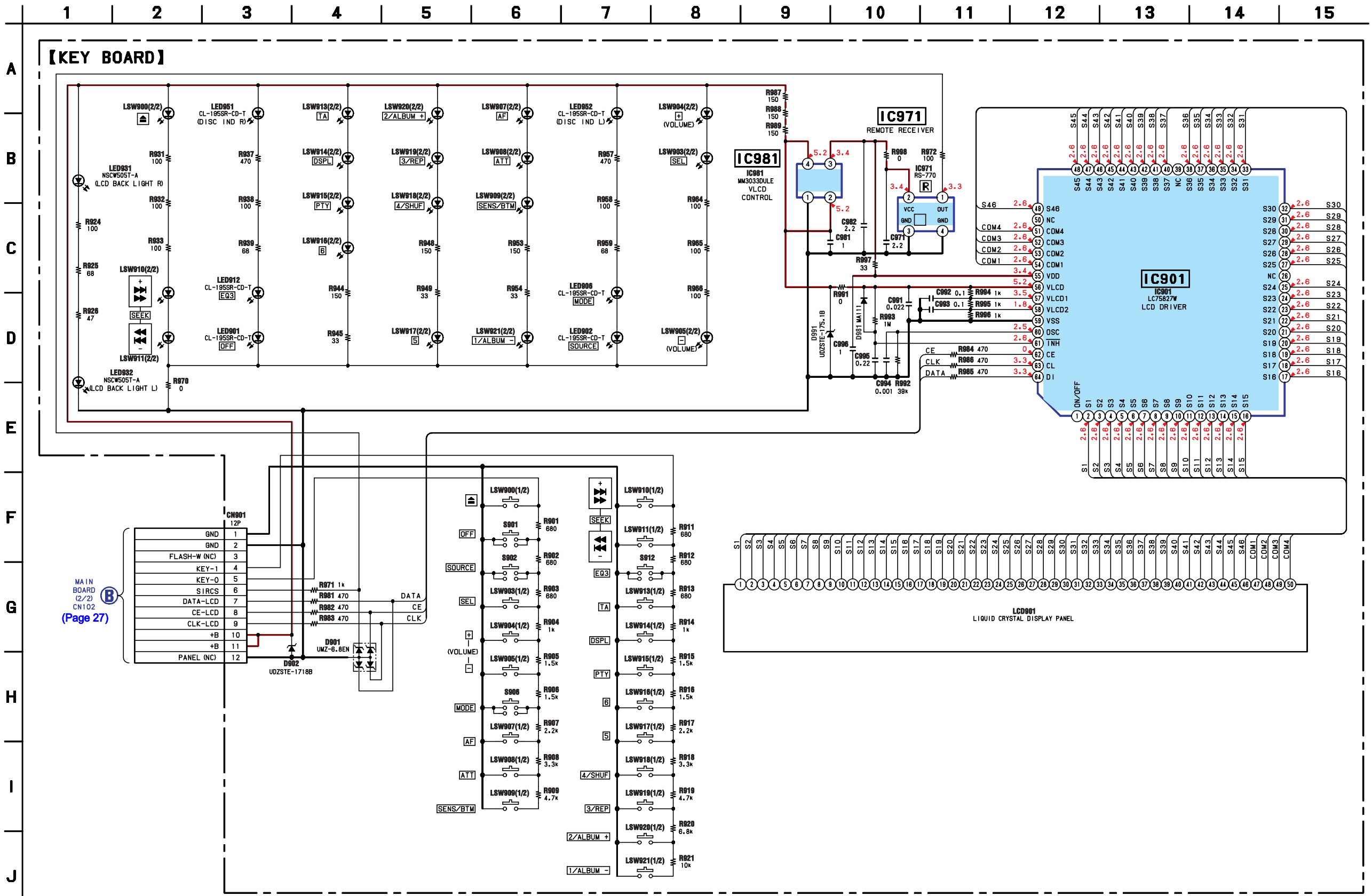
LF : Uses unleaded solder.



- **Semiconductor Location**

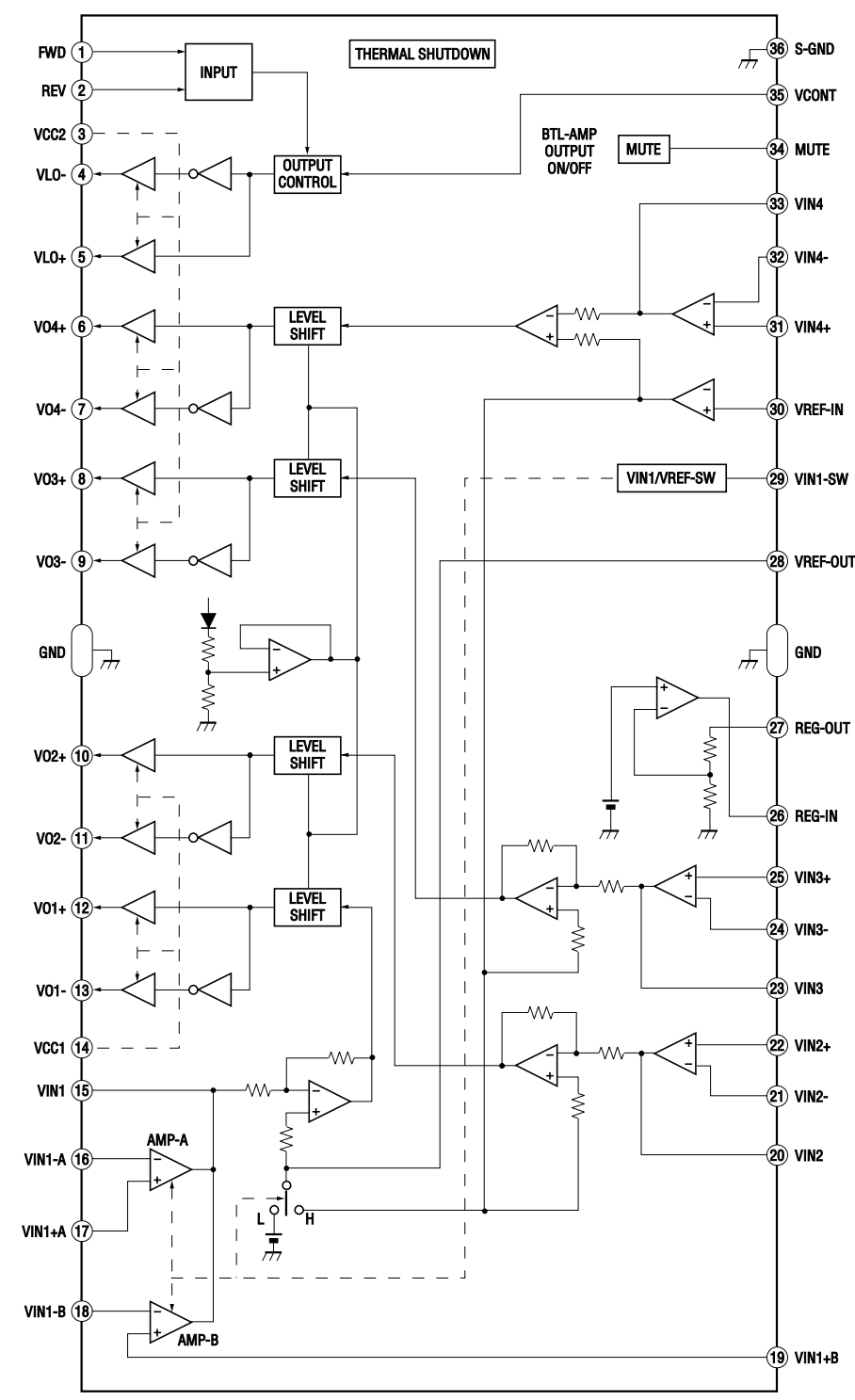
Ref. No.	Location	Ref. No.	Location
D901	G-11	LED901	C-12
D902	F-11	LED902	C-2
D981	F-9	LED906	C-3
D991	G-13	LED912	C-13
		LED931	C-11
IC901	G-8	LED932	C-4
IC971	D-13	LED951	A-12
IC981	G-10	LED952	A-2

3-12. SCHEMATIC DIAGRAM — KEY SECTION — • Refer to page 18 for Common Note on Schematic Diagram.

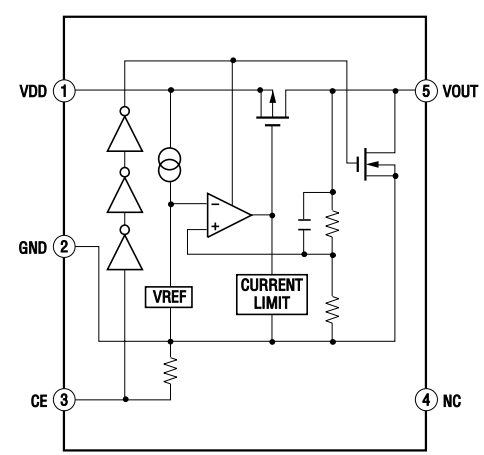


3-13. IC BLOCK DIAGRAMS

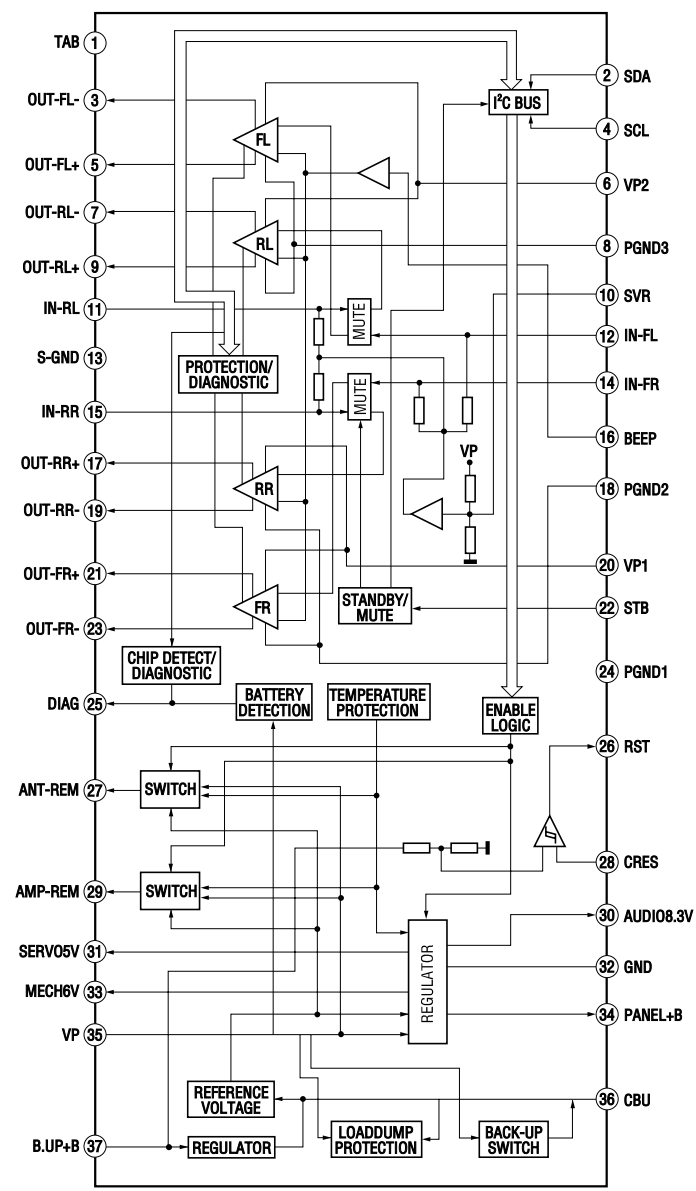
IC1 LA6560-TE-L-E



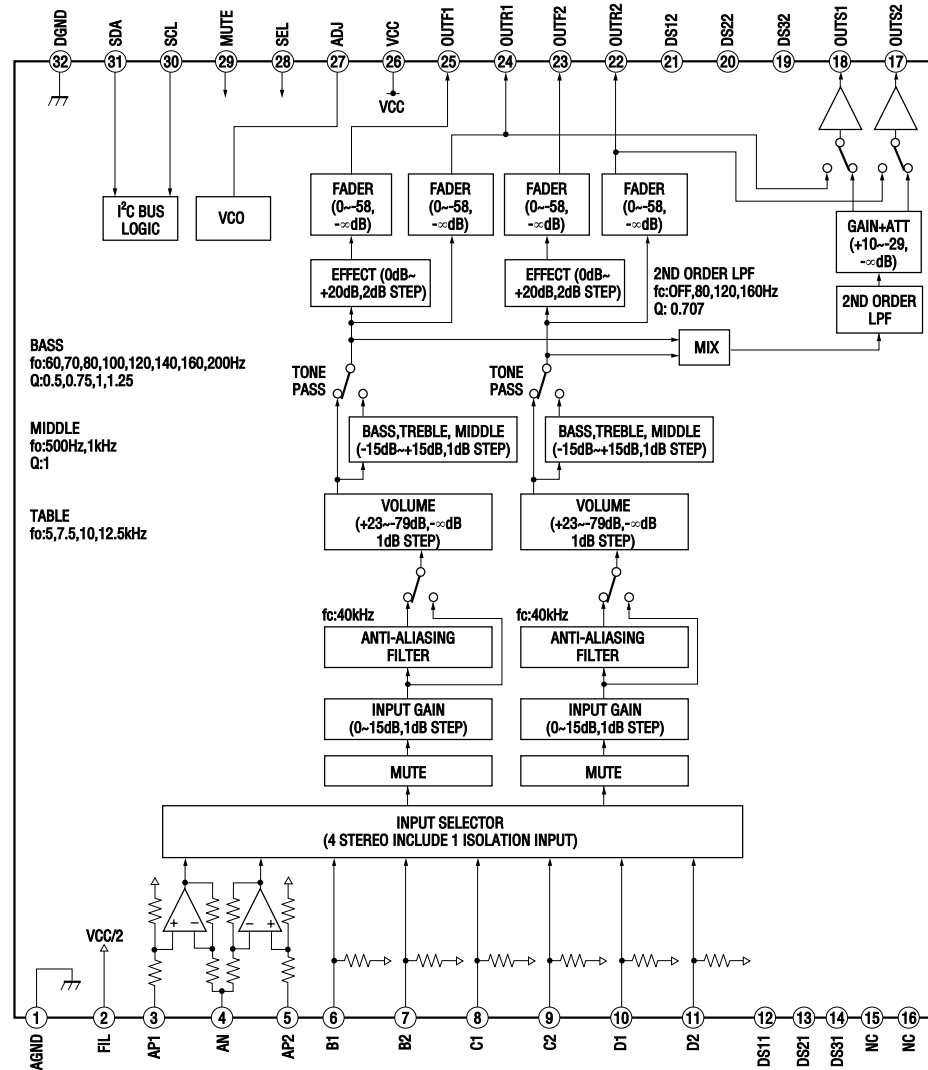
IC7 R1114N151D-TR-FA



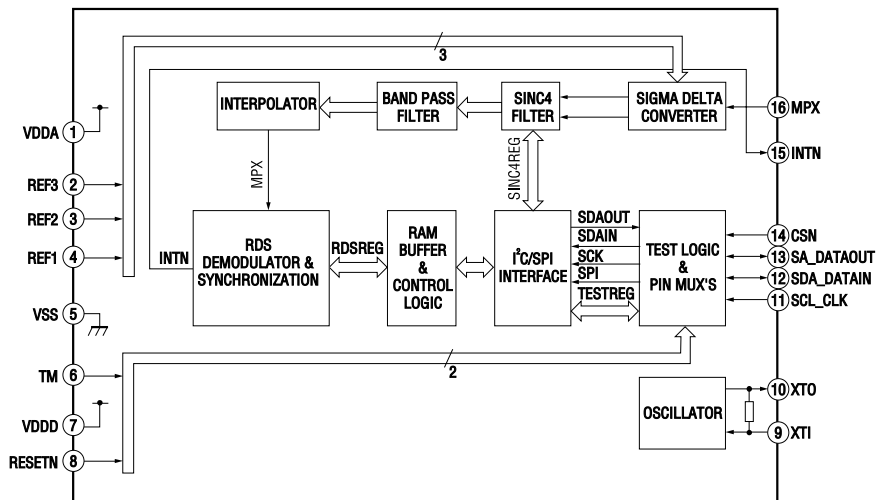
IC300 TDA8588BJ/N2/R1



IC400 BD3808FS-FE2



IC50 TDA7333-013TR



SECTION 4 EXPLODED VIEWS

NOTE:

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

- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)

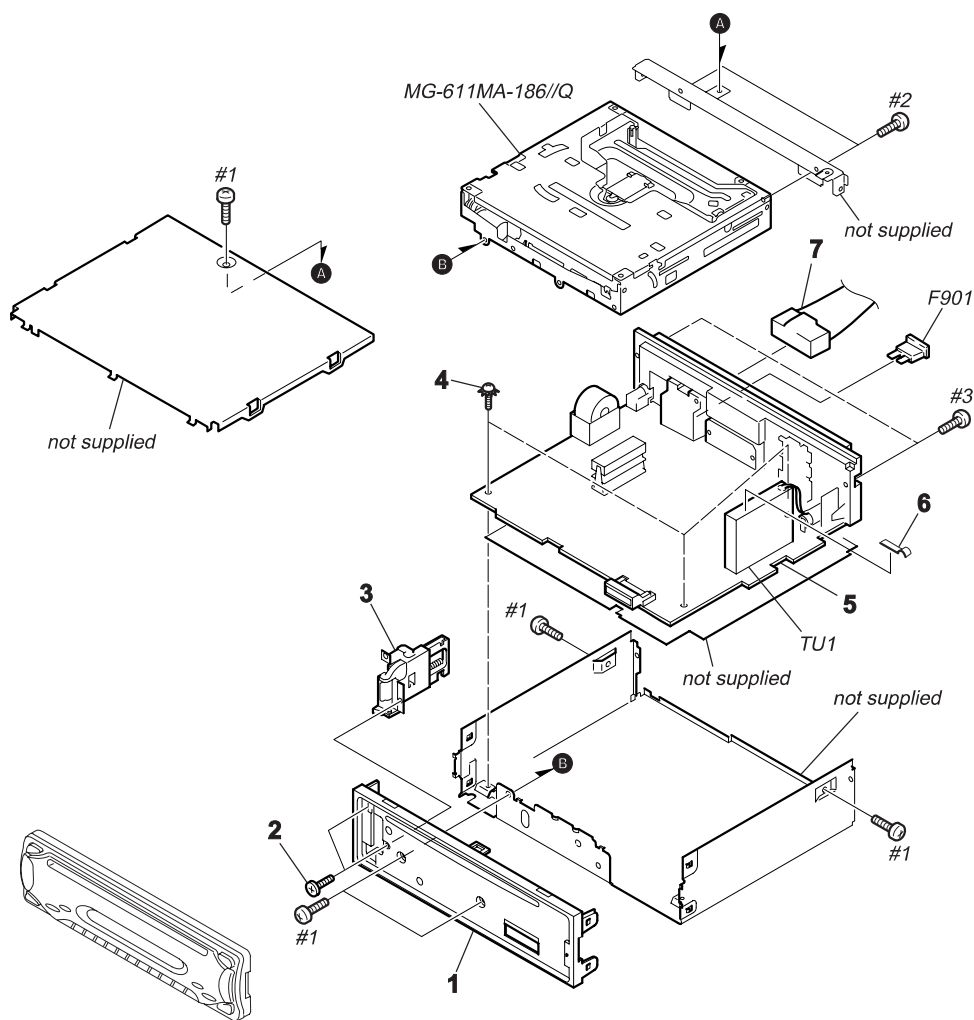
↑

↑

Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

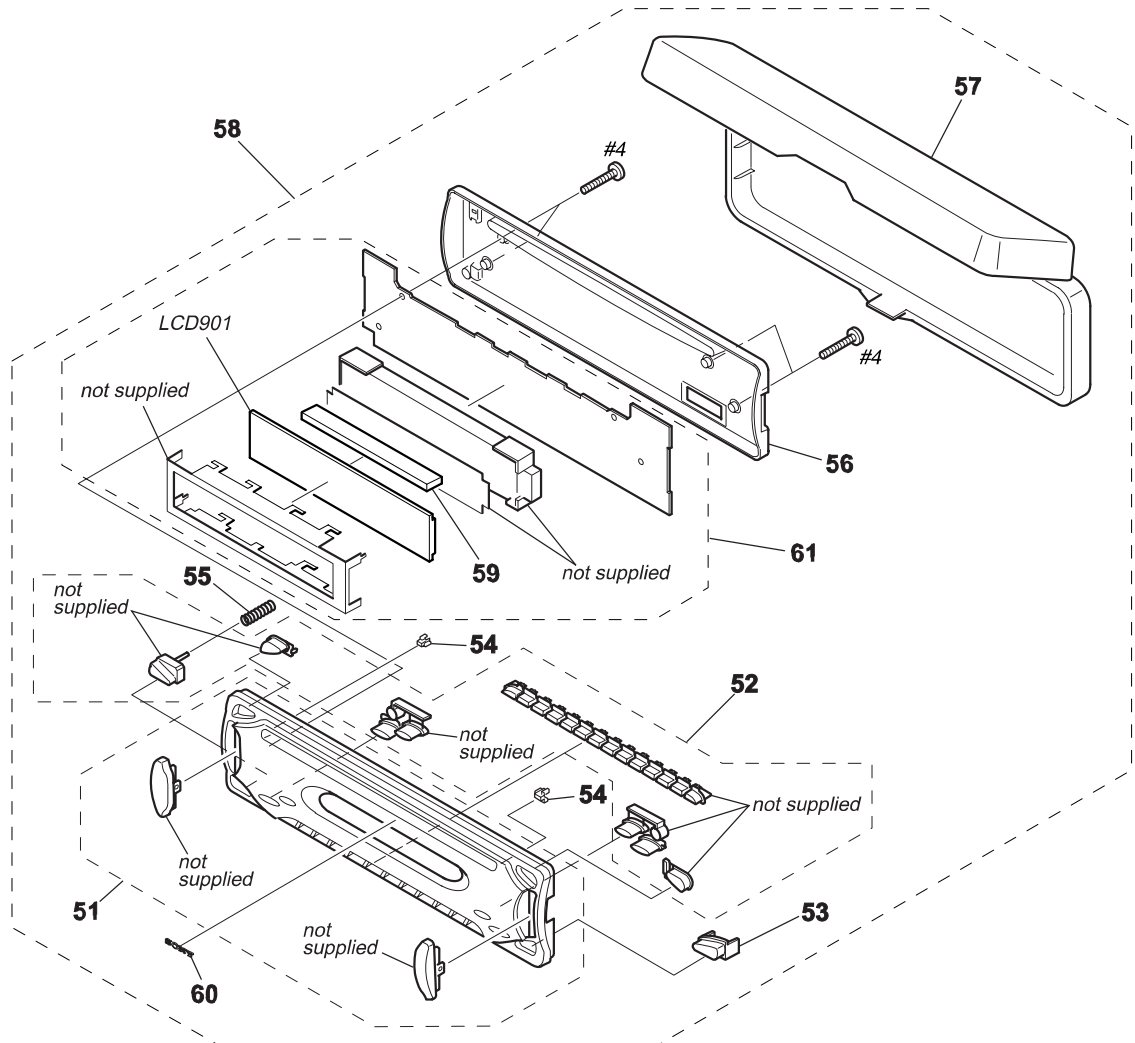
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

4-1. MAIN SECTION



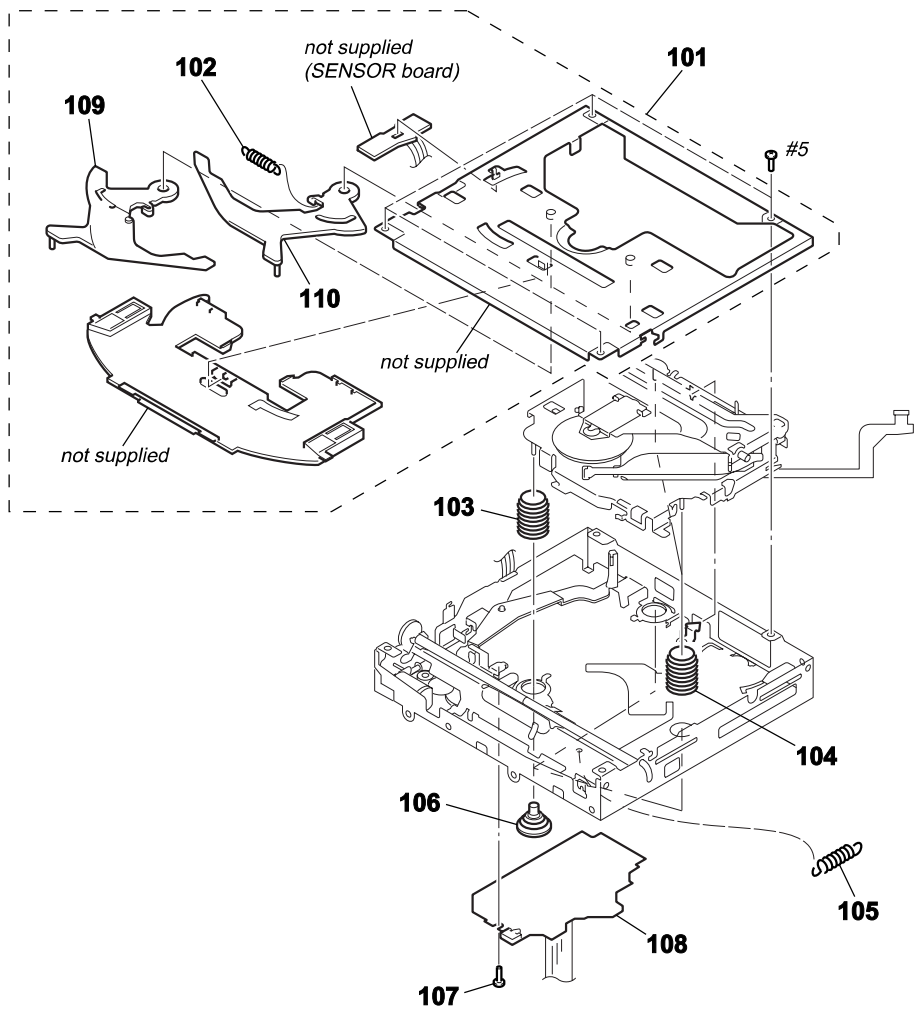
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3384-176-2	PANEL SUB ASSY, SUB		7	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER)	
2	3-042-244-11	SCREW (T)		F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
3	X-3383-739-1	LOCK ASSY (S)		TU1	A-3220-959-A	TUNER UNIT (TUX-032/Q)	
4	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT		#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
5	A-1055-490-A	MAIN BOARD, COMPLETE		#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
6	3-246-481-01	PLATE (TU), GROUND		#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	

4-2. FRONT PANEL SECTION



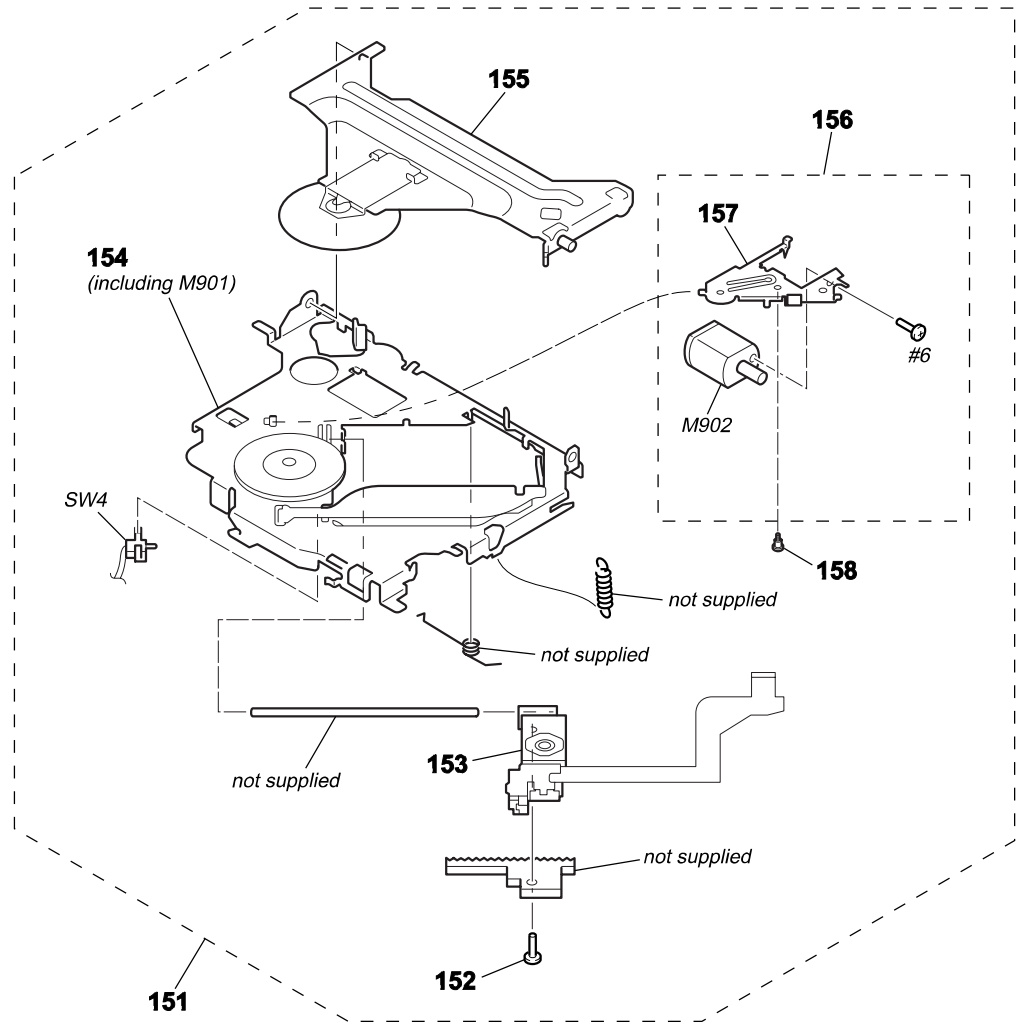
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2021-550-1	PANEL SUB ASSY, FRONT		58	A-1055-488-A	PANEL COMPLETE ASSY, FRONT	
52	X-3383-104-4	BUTTON ASSY (S)		59	1-694-977-12	CONDUCTIVE BOARD, CONNECTION	
53	3-246-463-01	FILTER (IR)		60	3-251-320-11	EMBLEM (NO.2.5), SONY	
54	3-246-466-02	PLATE (CD), LIGHT GUIDE		61	A-1055-491-A	KEY BOARD, COMPLETE	
55	3-246-479-01	SPRING (RELEASE)		LCD901	1-805-636-11	DISPLAY PANEL, LIQUID CRYSTAL	
56	3-246-454-04	PANEL (CD), FRONT BACK		#4	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
57	X-3383-264-2	CASE ASSY (for FRONT PANEL)					

4-3. CD MECHANISM SECTION (1)
(MG-611MA-186//Q)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-3372-444-A	CHASSIS (T) SUB ASSY		107	3-352-758-31	SCREW (M1.7), TOOTHED LOCK	
102	3-253-729-11	SPRING (LTR), TENSION COIL		108	A-3283-357-A	SERVO BOARD, COMPLETE	
103	3-257-892-12	SPRING (DAMPER), COIL		109	X-3384-088-1	LEVER (L) ASSY	
104	3-257-892-01	SPRING (DAMPER), COIL		110	X-3384-089-1	LEVER (R) ASSY	
105	3-253-695-11	SPRING (KF), TENSION COIL		#5	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
106	3-259-033-01	DAMPER (S)					

4-4. CD MECHANISM SECTION (2)
(MG-611MA-186//Q)

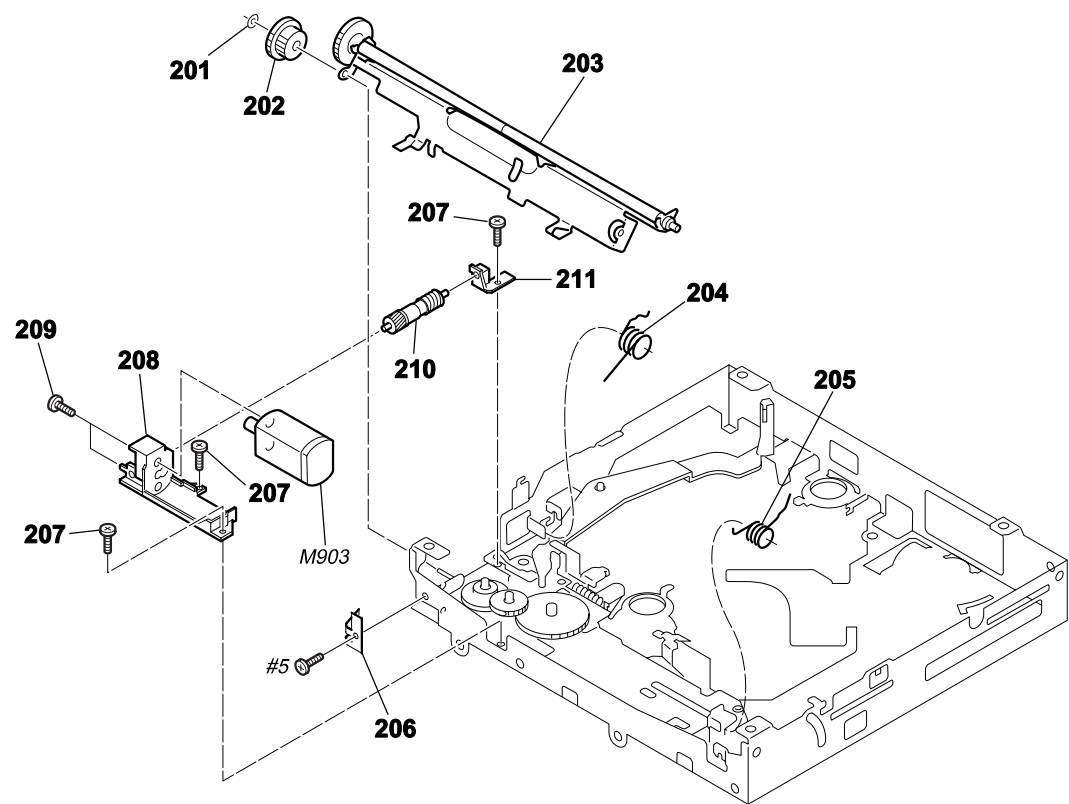


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-3372-445-A	CHASSIS (OP) COMPLETE ASSY		157	X-3384-090-2	LEVER (SL) ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING		158	3-264-165-12	SCREW	
Δ 153	8-820-207-02	OPTICAL PICK-UP (KSS1000E/K1RP)		M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
154	A-3372-448-A	CHASSIS (OP) SUB ASSY (including M901)		SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
155	A-3372-449-A	ARM SUB ASSY, CHUCKING		#6	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	
156	A-3372-446-A	LEVER (SL) SUB ASSY					

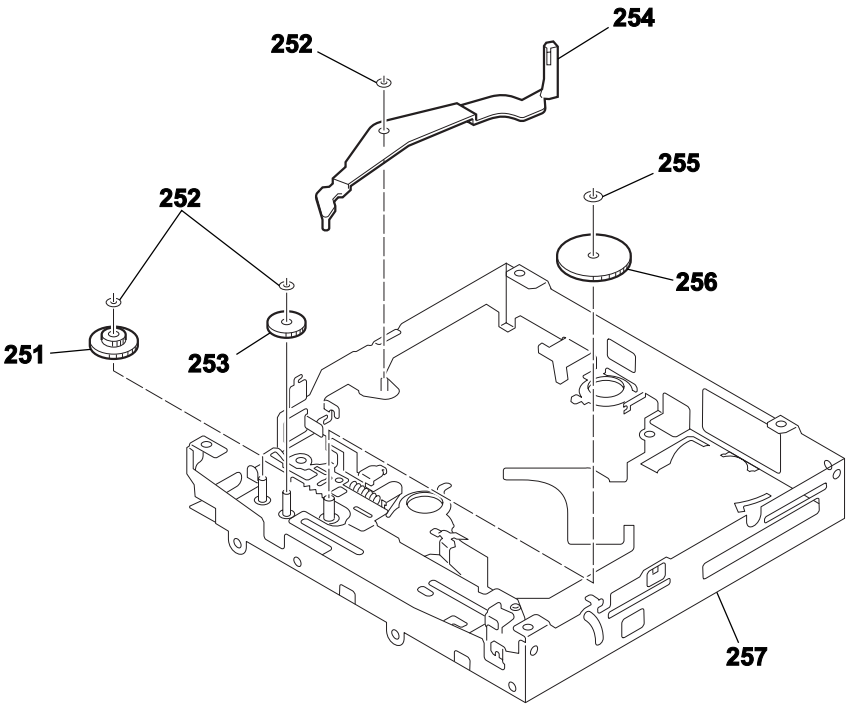
CDX-S2200

4-5. CD MECHANISM SECTION (3)
(MG-611MA-186//Q)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	3-348-993-01	WASHER		208	3-259-467-11	BRACKET (LEM)	
202	3-259-024-01	WHEEL (RA), WORM		209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
203	A-3372-441-A	ARM ASSY, ROLLER		210	A-3372-450-A	WORM (LEB) ASSY	
204	3-259-455-11	SPRING (RAL)		211	3-259-468-11	BEARING (LEB)	
205	3-253-713-11	SPRING (RAR)		M903	A-3372-443-A	MOTOR ASSY, LE (LOADING)	
206	3-259-469-12	SPRING (LE), LEAF		#5	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
207	2-134-636-21	SCREW (M1.7X2.5)					

4-6. CD MECHANISM SECTION (4)
(MG-611MA-186//Q)



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
251	3-259-429-11	WHEEL (LE), WORM		255	3-899-829-01	WASHER (SLIT)	
252	3-344-223-01	WASHER		256	3-259-032-01	GEAR (LE2)	
253	3-259-470-11	GEAR (LE1)		257	A-3337-998-A	CHASSIS (M) BLOCK ASSY	
254	3-253-755-12	LEVER (D)					

KEY

SECTION 5
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.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

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

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

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
	A-1055-491-A	KEY BOARD, COMPLETE *****						< SWITCH >			
	1-694-977-12	CONDUCTIVE BOARD, CONNECTION						LSW900 1-771-883-31 SWITCH, TACTILE (WITH LED) (Δ)			
		< CAPACITOR >						LSW903 1-771-883-31 SWITCH, TACTILE (WITH LED) (SEL)			
C971	1-135-834-11	CERAMIC CHIP 2.2uF			6.3V			LSW904 1-771-883-31 SWITCH, TACTILE (WITH LED) (+ (VOLUME))			
C981	1-165-908-11	CERAMIC CHIP 1uF	10%		10V			LSW905 1-771-883-31 SWITCH, TACTILE (WITH LED) (- (VOLUME))			
C982	1-135-834-11	CERAMIC CHIP 2.2uF			6.3V			LSW907 1-771-883-31 SWITCH, TACTILE (WITH LED) (AF)			
C991	1-164-227-11	CERAMIC CHIP 0.022uF	10%		25V			LSW908 1-771-883-31 SWITCH, TACTILE (WITH LED) (ATT)			
C992	1-107-826-11	CERAMIC CHIP 0.1uF	10%		16V			LSW909 1-771-883-31 SWITCH, TACTILE (WITH LED) (SENS/BTM)			
C993	1-107-826-11	CERAMIC CHIP 0.1uF	10%		16V			LSW910 1-771-883-31 SWITCH, TACTILE (WITH LED)			
C994	1-162-964-11	CERAMIC CHIP 0.001uF	10%		50V			(SEEK +/▶▶▶/▶▶▶)			
C995	1-127-715-11	CERAMIC CHIP 0.22uF	10%		16V			LSW911 1-771-883-31 SWITCH, TACTILE (WITH LED)			
C996	1-165-908-11	CERAMIC CHIP 1uF	10%		10V			(◀◀◀/SEEK -)			
		< CONNECTOR >						LSW913 1-771-883-31 SWITCH, TACTILE (WITH LED) (TA)			
CN901	1-794-312-11	PIN, CONNECTOR 12P						LSW914 1-771-883-31 SWITCH, TACTILE (WITH LED) (DSPL)			
		< DIODE >						LSW915 1-771-883-31 SWITCH, TACTILE (WITH LED) (PTY)			
D901	8-719-085-72	DIODE UMZ6.8ENTR						LSW916 1-771-883-31 SWITCH, TACTILE (WITH LED) (6)			
D902	8-719-083-66	DIODE UDZSTE-1718B						LSW917 1-771-883-31 SWITCH, TACTILE (WITH LED) (5)			
D981	8-719-404-50	DIODE MA111-TX						LSW918 1-771-883-31 SWITCH, TACTILE (WITH LED) (4/SHUF)			
D991	8-719-069-54	DIODE UDZSTE-175.1B						LSW919 1-771-883-31 SWITCH, TACTILE (WITH LED) (3/REP)			
		< IC >						LSW920 1-771-883-31 SWITCH, TACTILE (WITH LED) (2/ALBUM +)			
IC901	6-705-180-01	IC LC75827W						LSW921 1-771-883-31 SWITCH, TACTILE (WITH LED) (1/ALBUM -)			
IC971	6-600-163-01	IC RS-770 (IR)						< RESISTOR >			
IC981	6-705-374-01	IC MM3033DULE						R901 1-216-819-11 METAL CHIP 680 5% 1/10W			
		< LIQUID CRYSTAL DISPLAY >						R902 1-216-819-11 METAL CHIP 680 5% 1/10W			
LCD901	1-805-636-11	DISPLAY PANEL, LIQUID CRYSTAL						R903 1-216-819-11 METAL CHIP 680 5% 1/10W			
		< DIODE >						R904 1-216-821-11 METAL CHIP 1K 5% 1/10W			
LED901	6-500-450-01	LED CL-195SR-CD-T (OFF)						R905 1-216-823-11 METAL CHIP 1.5K 5% 1/10W			
LED902	6-500-450-01	LED CL-195SR-CD-T (SOURCE)						R906 1-216-823-11 METAL CHIP 1.5K 5% 1/10W			
LED906	6-500-450-01	LED CL-195SR-CD-T (MODE)						R907 1-216-825-11 METAL CHIP 2.2K 5% 1/10W			
LED912	6-500-450-01	LED CL-195SR-CD-T (EQ3)						R908 1-216-827-11 METAL CHIP 3.3K 5% 1/10W			
LED931	6-500-459-01	LED NSCW505T-ARS (LCD BACK LIGHT R)						R909 1-216-829-11 METAL CHIP 4.7K 5% 1/10W			
LED932	6-500-459-01	LED NSCW505T-ARS (LCD BACK LIGHT L)						R911 1-216-819-11 METAL CHIP 680 5% 1/10W			
LED951	6-500-450-01	LED CL-195SR-CD-T (DISC IND R)						R912 1-216-819-11 METAL CHIP 680 5% 1/10W			
LED952	6-500-450-01	LED CL-195SR-CD-T (DISC IND L)						R913 1-216-819-11 METAL CHIP 680 5% 1/10W			
								R914 1-216-821-11 METAL CHIP 1K 5% 1/10W			
								R915 1-216-823-11 METAL CHIP 1.5K 5% 1/10W			
								R916 1-216-823-11 METAL CHIP 1.5K 5% 1/10W			
								R917 1-216-825-11 METAL CHIP 2.2K 5% 1/10W			
								R918 1-216-827-11 METAL CHIP 3.3K 5% 1/10W			
								R919 1-216-829-11 METAL CHIP 4.7K 5% 1/10W			
								R920 1-218-867-11 METAL CHIP 6.8K 0.5% 1/10W			
								R921 1-216-833-11 METAL CHIP 10K 5% 1/10W			
								R924 1-216-809-11 METAL CHIP 100 5% 1/10W			

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R925	1-216-807-11	METAL CHIP	68	5%	1/10W	C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R926	1-216-805-11	METAL CHIP	47	5%	1/10W	C7	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R931	1-216-809-11	METAL CHIP	100	5%	1/10W	C8	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
R932	1-216-809-11	METAL CHIP	100	5%	1/10W	C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R933	1-216-809-11	METAL CHIP	100	5%	1/10W	C51	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R937	1-216-817-11	METAL CHIP	470	5%	1/10W	C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R938	1-216-809-11	METAL CHIP	100	5%	1/10W	C53	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R939	1-216-807-11	METAL CHIP	68	5%	1/10W	C54	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R944	1-216-811-11	METAL CHIP	150	5%	1/10W	C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R945	1-216-803-11	METAL CHIP	33	5%	1/10W	C56	1-164-237-11	CERAMIC CHIP	16PF	5%	50V
R948	1-216-811-11	METAL CHIP	150	5%	1/10W	C57	1-164-237-11	CERAMIC CHIP	16PF	5%	50V
R949	1-216-803-11	METAL CHIP	33	5%	1/10W	C58	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
R953	1-216-811-11	METAL CHIP	150	5%	1/10W	C59	1-126-947-11	ELECT	47uF	20%	35V
R954	1-216-803-11	METAL CHIP	33	5%	1/10W	C60	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
R957	1-216-817-11	METAL CHIP	470	5%	1/10W	C301	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
R958	1-216-809-11	METAL CHIP	100	5%	1/10W	C303	1-128-551-11	ELECT	22uF	20%	63V
R959	1-216-807-11	METAL CHIP	68	5%	1/10W	C304	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
R964	1-216-809-11	METAL CHIP	100	5%	1/10W	C305	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
R965	1-216-809-11	METAL CHIP	100	5%	1/10W	C306	1-126-964-11	ELECT	10uF	20%	50V
R966	1-216-809-11	METAL CHIP	100	5%	1/10W	C308	1-126-964-11	ELECT	10uF	20%	50V
R970	1-216-864-11	SHORT CHIP	0			C309	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
R971	1-216-821-11	METAL CHIP	1K	5%	1/10W	C310	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
R972	1-216-809-11	METAL CHIP	100	5%	1/10W	C312	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
R981	1-216-817-11	METAL CHIP	470	5%	1/10W	C314	1-126-964-11	ELECT	10uF	20%	50V
R982	1-216-817-11	METAL CHIP	470	5%	1/10W	C316	1-126-964-11	ELECT	10uF	20%	50V
R983	1-216-817-11	METAL CHIP	470	5%	1/10W	C317	1-126-961-11	ELECT	2.2uF	20%	50V
R984	1-216-817-11	METAL CHIP	470	5%	1/10W	C318	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
R985	1-216-817-11	METAL CHIP	470	5%	1/10W	C319	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
R986	1-216-817-11	METAL CHIP	470	5%	1/10W	C320	1-126-947-11	ELECT	47uF	20%	35V
R987	1-216-811-11	METAL CHIP	150	5%	1/10W	C321	1-126-964-11	ELECT	10uF	20%	50V
R988	1-216-811-11	METAL CHIP	150	5%	1/10W	C351	1-128-551-11	ELECT	22uF	20%	63V
R989	1-216-811-11	METAL CHIP	150	5%	1/10W	C352	1-128-551-11	ELECT	22uF	20%	63V
R991	1-216-864-11	SHORT CHIP	0			C353	1-128-551-11	ELECT	22uF	20%	63V
R992	1-216-840-11	METAL CHIP	39K	5%	1/10W	C354	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R993	1-216-857-11	METAL CHIP	1M	5%	1/10W	C355	1-128-551-11	ELECT	22uF	20%	63V
R994	1-216-821-11	METAL CHIP	1K	5%	1/10W	C400	1-126-964-11	ELECT	10uF	20%	50V
R995	1-216-821-11	METAL CHIP	1K	5%	1/10W	C403	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
R996	1-216-821-11	METAL CHIP	1K	5%	1/10W	C404	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
R997	1-216-803-11	METAL CHIP	33	5%	1/10W	C405	1-126-960-11	ELECT	1uF	20%	50V
R998	1-216-864-11	SHORT CHIP	0			C406	1-126-960-11	ELECT	1uF	20%	50V
< SWITCH >						C411	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
S901	1-771-884-31	SWITCH, TACTILE (OFF)				C412	1-126-947-11	ELECT	47uF	20%	35V
S902	1-771-884-31	SWITCH, TACTILE (SOURCE)				C421	1-126-964-11	ELECT	10uF	20%	50V
S906	1-771-884-31	SWITCH, TACTILE (MODE)				C431	1-126-964-11	ELECT	10uF	20%	50V
S912	1-771-884-31	SWITCH, TACTILE (EQ3)				C432	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
*****						C441	1-126-964-11	ELECT	10uF	20%	50V
A-1055-490-A MAIN BOARD, COMPLETE						C451	1-126-964-11	ELECT	10uF	20%	50V
*****						C452	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
7-685-134-19 SCREW +P 2.6X8 TYPE2 NON-SLIT						C471	1-126-964-11	ELECT	10uF	20%	50V
7-685-793-09 SCREW +PTT 2.6X8 (S)						C481	1-126-964-11	ELECT	10uF	20%	50V
7-685-795-09 SCREW +PTT 2.6X12 (S)						C491	1-126-947-11	ELECT	47uF	20%	35V
< CAPACITOR >						C492	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1	1-126-963-11	ELECT	4.7uF	20%	50V	C500	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2	1-126-947-11	ELECT	47uF	20%	35V	C501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C502	1-104-665-11	ELECT	100uF	20%	25V
C5	1-126-947-11	ELECT	47uF	20%	35V	C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C505	1-125-710-11	DOUBLE LAYERS	0.1F		5.5V
						C506	1-126-924-11	ELECT	330uF	20%	10V

CDX-S2200

MAIN

Ref. No.	Part No.	Description			Remark
C510	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C511	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C512	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C514	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C515	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C516	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C517	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C518	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C519	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C521	1-126-964-11	ELECT	10uF	20%	50V
C522	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C701	1-131-868-81	ELECT	3300uF	20%	16V
C702	1-126-961-11	ELECT	2.2uF	20%	50V
C703	1-163-038-11	CERAMIC CHIP	0.1uF		25V
C800	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C801	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C802	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C803	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C995	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C996	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C997	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C999	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
< CONNECTOR >					
CN102	1-794-311-21	PLUG, CONNECTOR 12P			
CN350	1-817-536-11	CONNECTOR, BOARD TO BOARD 28P			
CN700	1-774-701-21	PIN, CONNECTOR 16P			
< DIODE >					
D2	8-719-036-94	DIODE RD5.6SB-T1			
D101	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D102	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D103	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D104	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D105	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D106	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D107	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D108	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D301	8-719-200-82	DIODE 11ES2			
D302	8-719-200-82	DIODE 11ES2			
D303	8-719-200-82	DIODE 11ES2			
D304	8-719-200-82	DIODE 11ES2			
D305	8-719-200-82	DIODE 11ES2			
D306	8-719-200-82	DIODE 11ES2			
D307	8-719-200-82	DIODE 11ES2			
D308	8-719-200-82	DIODE 11ES2			
D309	8-719-200-82	DIODE 11ES2			
D310	8-719-200-82	DIODE 11ES2			
D311	8-719-200-82	DIODE 11ES2			
D312	8-719-200-82	DIODE 11ES2			
D351	6-501-013-01	DIODE BAT54ALT1G			
D491	8-719-404-50	DIODE MA111-TX			
D492	8-719-036-94	DIODE RD5.6SB-T1			
D493	8-719-040-04	DIODE MA721WK-(TX)			
D501	8-719-820-05	DIODE 1SS181			
D601	8-719-040-04	DIODE MA721WK-(TX)			
D602	8-719-056-93	DIODE UDZ-TE-17-18B			

Ref. No.	Part No.	Description	Remark
D603	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D701	8-719-056-93	DIODE UDZ-TE-17-18B	
D702	8-719-056-93	DIODE UDZ-TE-17-18B	
D703	8-719-056-93	DIODE UDZ-TE-17-18B	
D704	8-719-049-38	DIODE 1N5404TU	
< IC >			
IC50	6-803-747-01	IC TDA7333-013TR	
IC300	6-705-360-02	IC TDA8588BJ/N2/R1	
IC400	6-705-372-01	IC BD3808FS-FE2	
IC500	6-804-459-01	IC MN101E01JKD	
IC502	8-759-659-13	IC PST3428UL	
< JACK >			
J1	1-815-185-13	JACK (ANTENNA)	
J400	1-774-698-11	JACK, PIN 2P (AUDIO OUT REAR)	
J561	1-566-822-41	JACK (REMOTE IN)	
< JUMPER RESISTOR >			
JC1	1-216-296-11	SHORT CHIP	0
JC50	1-216-864-11	SHORT CHIP	0
JC51	1-216-864-11	SHORT CHIP	0
JC300	1-216-296-11	SHORT CHIP	0
JC301	1-216-296-11	SHORT CHIP	0
JC302	1-216-296-11	SHORT CHIP	0
JC303	1-216-296-11	SHORT CHIP	0
JC304	1-216-864-11	SHORT CHIP	0
JC350	1-216-296-11	SHORT CHIP	0
JC400	1-216-864-11	SHORT CHIP	0
JC401	1-216-296-11	SHORT CHIP	0
JC402	1-216-864-11	SHORT CHIP	0
JC403	1-216-864-11	SHORT CHIP	0
JC423	1-216-864-11	SHORT CHIP	0
JC501	1-216-864-11	SHORT CHIP	0
JC502	1-216-296-11	SHORT CHIP	0
JC503	1-216-864-11	SHORT CHIP	0
JC504	1-216-296-11	SHORT CHIP	0
JC505	1-216-296-11	SHORT CHIP	0
JC506	1-216-296-11	SHORT CHIP	0
JC508	1-216-296-11	SHORT CHIP	0
JC509	1-216-864-11	SHORT CHIP	0
JC511	1-216-864-11	SHORT CHIP	0
JC601	1-216-864-11	SHORT CHIP	0
JC701	1-216-864-11	SHORT CHIP	0
JC702	1-216-296-11	SHORT CHIP	0
JC703	1-216-296-11	SHORT CHIP	0
< COIL >			
L1	1-469-844-11	INDUCTOR	2.2uH
L2	1-469-844-11	INDUCTOR	2.2uH
L50	1-414-595-11	INDUCTOR, FERRITE BEAD	
L51	1-414-595-11	INDUCTOR, FERRITE BEAD	
L351	1-500-245-11	INDUCTOR, FERRITE BEAD	
L352	1-500-245-11	INDUCTOR, FERRITE BEAD	
L353	1-469-876-11	INDUCTOR, FERRITE BEAD	
L354	1-500-245-11	INDUCTOR, FERRITE BEAD	
L355	1-469-876-11	INDUCTOR, FERRITE BEAD	
L356	1-500-245-11	INDUCTOR, FERRITE BEAD	

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
L357	1-469-876-11	INDUCTOR, FERRITE BEAD					R371	1-216-809-11	METAL CHIP	100	5%	1/10W	
L358	1-469-876-11	INDUCTOR, FERRITE BEAD					R404	1-218-881-11	METAL CHIP	27K	0.5%	1/10W	
L359	1-216-295-11	SHORT CHIP 0					R420	1-216-809-11	METAL CHIP	100	5%	1/10W	
L700	1-456-617-11	COIL, CHOKE					R421	1-216-809-11	METAL CHIP	100	5%	1/10W	
< TRANSISTOR >							R422	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q1	8-729-421-19	TRANSISTOR UN2213					R423	1-216-864-11	SHORT CHIP	0			
Q3	8-729-920-85	TRANSISTOR 2SD1664-QR					R430	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q50	8-729-421-22	TRANSISTOR UN2211					R431	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q51	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R					R432	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q420	6-550-752-01	TRANSISTOR DTC614TKT146					R433	1-216-864-11	SHORT CHIP	0			
Q430	6-550-752-01	TRANSISTOR DTC614TKT146					R440	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q440	6-550-752-01	TRANSISTOR DTC614TKT146					R441	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q450	6-550-752-01	TRANSISTOR DTC614TKT146					R442	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q470	6-550-752-01	TRANSISTOR DTC614TKT146					R443	1-216-864-11	SHORT CHIP	0			
Q480	6-550-752-01	TRANSISTOR DTC614TKT146					R450	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q491	8-729-424-08	TRANSISTOR UN2111					R451	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q492	8-729-421-19	TRANSISTOR UN2213					R452	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q501	8-729-424-08	TRANSISTOR UN2111					R453	1-216-864-11	SHORT CHIP	0			
Q605	8-729-421-22	TRANSISTOR UN2211					R470	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q606	8-729-421-19	TRANSISTOR UN2213					R471	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q607	8-729-010-25	TRANSISTOR MSD601-RT1					R472	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q701	8-729-010-25	TRANSISTOR MSD601-RT1					R480	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q702	8-729-010-25	TRANSISTOR MSD601-RT1					R481	1-216-809-11	METAL CHIP	100	5%	1/10W	
< RESISTOR >							R482	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1	1-216-809-11	METAL CHIP 100 5% 1/10W					R491	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2	1-216-839-11	METAL CHIP 33K 5% 1/10W					R492	1-216-864-11	SHORT CHIP	0			
R3	1-216-843-11	METAL CHIP 68K 5% 1/10W					R506	1-216-813-11	METAL CHIP	220	5%	1/10W	
R4	1-216-839-11	METAL CHIP 33K 5% 1/10W					R507	1-216-864-11	SHORT CHIP	0			
R5	1-216-843-11	METAL CHIP 68K 5% 1/10W					R508	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R6	1-216-809-11	METAL CHIP 100 5% 1/10W					R509	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R7	1-216-809-11	METAL CHIP 100 5% 1/10W					R510	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R8	1-216-839-11	METAL CHIP 33K 5% 1/10W					R511	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R9	1-216-843-11	METAL CHIP 68K 5% 1/10W					R512	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R10	1-216-821-11	METAL CHIP 1K 5% 1/10W					R513	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R52	1-216-845-11	METAL CHIP 100K 5% 1/10W					R514	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R53	1-414-595-11	INDUCTOR, FERRITE BEAD					R523	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R54	1-216-801-11	METAL CHIP 22 5% 1/10W					R524	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R55	1-414-595-11	INDUCTOR, FERRITE BEAD					R526	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R56	1-216-845-11	METAL CHIP 100K 5% 1/10W					R527	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R57	1-216-833-11	METAL CHIP 10K 5% 1/10W					R528	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R58	1-216-821-11	METAL CHIP 1K 5% 1/10W					R529	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R59	1-216-864-11	SHORT CHIP 0					R530	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R101	1-216-809-11	METAL CHIP 100 5% 1/10W					R532	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R102	1-216-809-11	METAL CHIP 100 5% 1/10W					R535	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R103	1-216-809-11	METAL CHIP 100 5% 1/10W					R603	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R104	1-216-809-11	METAL CHIP 100 5% 1/10W					R604	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R105	1-216-809-11	METAL CHIP 100 5% 1/10W					R615	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R106	1-216-809-11	METAL CHIP 100 5% 1/10W					R616	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R107	1-216-809-11	METAL CHIP 100 5% 1/10W					R701	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R108	1-218-871-11	METAL CHIP 10K 0.5% 1/10W					R702	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R109	1-218-871-11	METAL CHIP 10K 0.5% 1/10W					R703	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R112	1-216-864-11	SHORT CHIP 0					R704	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R301	1-216-809-11	METAL CHIP 100 5% 1/10W					R705	1-249-425-11	CARBON	4.7K	5%	1/4W	
R302	1-216-841-11	METAL CHIP 47K 5% 1/10W					R706	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R351	1-216-845-11	METAL CHIP 100K 5% 1/10W					R707	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R370	1-216-809-11	METAL CHIP 100 5% 1/10W					R708	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
							R709	1-216-821-11	METAL CHIP	1K	5%	1/10W	

CDX-S2200

MAIN	SENSOR	SERVO
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Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S103	1-692-431-21	SWITCH, TACTILE (RESET)	
		< TUNER >	
TU1	A-3220-959-A	TUNER UNIT (TUX-032//Q)	
		< VIBRATOR >	
X50	1-813-173-11	VIBRATOR, CRYSTAL (8.664MHz)	
X500	1-813-160-11	VIBRATOR, CERAMIC (27.648MHz)	
X501	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)	

		SENSOR BOARD	

		< SWITCH >	
SW2	1-529-566-61	SWITCH, PUSH (1 KEY) (SELF)	
SW3	1-529-566-61	SWITCH, PUSH (1 KEY) (DISC IN)	

	A-3283-357-A	SERVO BOARD, COMPLETE	

		< CAPACITOR >	
C1	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C2	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C3	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C4	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C5	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C6	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C7	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
C8	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
C10	1-104-609-11	ELECT CHIP 100uF 20%	4V
C11	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C13	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V
C14	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V
C16	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C18	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C19	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C21	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C22	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
C23	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V
C24	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
C25	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V
C26	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C27	1-126-208-21	ELECT CHIP 47uF 20%	4V
C28	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C29	1-164-156-11	CERAMIC CHIP 0.1uF 10%	25V
C30	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C32	1-164-156-11	CERAMIC CHIP 0.1uF 10%	25V
C33	1-164-156-11	CERAMIC CHIP 0.1uF 10%	25V
C34	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C35	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C36	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C37	1-164-677-11	CERAMIC CHIP 0.033uF 10%	16V
C38	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C39	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C40	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V

Ref. No.	Part No.	Description	Remark
C41	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C42	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C43	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C44	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C45	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C46	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V
C47	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C48	1-104-609-11	ELECT CHIP 100uF 20%	4V
C49	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C50	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C51	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C52	1-100-381-11	ELECT CHIP 10uF 20%	16V
C53	1-100-381-11	ELECT CHIP 10uF 20%	16V
C54	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C55	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C56	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C57	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C58	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C59	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C60	1-100-381-11	ELECT CHIP 10uF 20%	16V
C63	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C64	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C65	1-126-208-21	ELECT CHIP 47uF 20%	4V
C66	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C67	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C74	1-126-208-21	ELECT CHIP 47uF 20%	4V
C75	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C77	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C79	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C81	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C83	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C85	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C86	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C91	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C92	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C107	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C109	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C110	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C115	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
		< CONNECTOR >	
CN1	1-794-153-21	CONNECTOR, FPC (ZIF) 16P	
CN2	1-817-275-21	CONNECTOR, BOARD TO BOARD 28P	
		< JUMPER RESISTOR >	
FB1	1-216-864-11	SHORT CHIP 0	
FB2	1-216-864-11	SHORT CHIP 0	
FB5	1-216-864-11	SHORT CHIP 0	
		< IC >	
IC1	6-705-366-01	IC LA6560-TE-L-E	
IC3	8-753-216-86	IC CXD3059BR	
IC4	6-804-028-02	IC MB90487PFV-G-107-BNDE1	
IC7	6-705-364-01	IC R1114N151D-TR-FA	
IC8	6-705-365-01	IC TC94A34FG-002	
		< TRANSISTOR >	
Q1	8-729-904-87	TRANSISTOR 2SB1197K-R	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q2	8-729-928-90	TRANSISTOR	DTC114EE			R62	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q3	8-729-904-87	TRANSISTOR	2SB1197K-R			R64	1-218-941-81	RES-CHIP	100	5%	1/16W
Q5	8-729-904-87	TRANSISTOR	2SB1197K-R			R65	1-218-941-81	RES-CHIP	100	5%	1/16W
Q6	8-729-928-90	TRANSISTOR	DTC114EE			R67	1-218-941-81	RES-CHIP	100	5%	1/16W
< RESISTOR >						R68	1-218-990-11	SHORT CHIP	0		
R1	1-218-941-81	RES-CHIP	100	5%	1/16W	R69	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2	1-218-971-11	RES-CHIP	33K	5%	1/16W	R70	1-218-945-11	RES-CHIP	220	5%	1/16W
R3	1-218-971-11	RES-CHIP	33K	5%	1/16W	R71	1-218-941-81	RES-CHIP	100	5%	1/16W
R4	1-218-965-11	RES-CHIP	10K	5%	1/16W	R72	1-218-990-11	SHORT CHIP	0		
R5	1-218-965-11	RES-CHIP	10K	5%	1/16W	R73	1-218-941-81	RES-CHIP	100	5%	1/16W
R6	1-218-965-11	RES-CHIP	10K	5%	1/16W	R74	1-218-941-81	RES-CHIP	100	5%	1/16W
R7	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R76	1-218-941-81	RES-CHIP	100	5%	1/16W
R8	1-218-971-11	RES-CHIP	33K	5%	1/16W	R77	1-218-990-11	SHORT CHIP	0		
R9	1-218-971-11	RES-CHIP	33K	5%	1/16W	R78	1-218-941-81	RES-CHIP	100	5%	1/16W
R10	1-218-965-11	RES-CHIP	10K	5%	1/16W	R79	1-218-941-81	RES-CHIP	100	5%	1/16W
R11	1-218-965-11	RES-CHIP	10K	5%	1/16W	R80	1-218-977-11	RES-CHIP	100K	5%	1/16W
R12	1-208-635-11	METAL CHIP	10	0.5%	1/16W	R81	1-218-941-81	RES-CHIP	100	5%	1/16W
R13	1-218-965-11	RES-CHIP	10K	5%	1/16W	R85	1-218-973-11	RES-CHIP	47K	5%	1/16W
R14	1-218-990-11	SHORT CHIP	0			R86	1-218-973-11	RES-CHIP	47K	5%	1/16W
R15	1-218-990-11	SHORT CHIP	0			R87	1-218-973-11	RES-CHIP	47K	5%	1/16W
R16	1-218-990-11	SHORT CHIP	0			R91	1-220-200-81	RES-CHIP	30K	5%	1/16W
R17	1-218-965-11	RES-CHIP	10K	5%	1/16W	R92	1-218-971-11	RES-CHIP	33K	5%	1/16W
R18	1-218-965-11	RES-CHIP	10K	5%	1/16W	R97	1-218-941-81	RES-CHIP	100	5%	1/16W
R19	1-218-969-11	RES-CHIP	22K	5%	1/16W	R98	1-218-941-81	RES-CHIP	100	5%	1/16W
R20	1-218-969-11	RES-CHIP	22K	5%	1/16W	R99	1-218-965-11	RES-CHIP	10K	5%	1/16W
R21	1-218-990-11	SHORT CHIP	0			R101	1-218-969-11	RES-CHIP	22K	5%	1/16W
R22	1-218-967-11	RES-CHIP	15K	5%	1/16W	R106	1-218-969-11	RES-CHIP	22K	5%	1/16W
R23	1-218-967-11	RES-CHIP	15K	5%	1/16W	R107	1-218-965-11	RES-CHIP	10K	5%	1/16W
R24	1-218-953-11	RES-CHIP	1K	5%	1/16W	R108	1-218-941-81	RES-CHIP	100	5%	1/16W
R25	1-218-953-11	RES-CHIP	1K	5%	1/16W	R109	1-218-953-11	RES-CHIP	1K	5%	1/16W
R26	1-218-981-11	RES-CHIP	220K	5%	1/16W	R110	1-218-945-11	RES-CHIP	220	5%	1/16W
R27	1-218-965-11	RES-CHIP	10K	5%	1/16W	R111	1-218-990-11	SHORT CHIP	0		
R28	1-218-990-11	SHORT CHIP	0			R114	1-218-941-81	RES-CHIP	100	5%	1/16W
R29	1-218-977-11	RES-CHIP	100K	5%	1/16W	R115	1-218-941-81	RES-CHIP	100	5%	1/16W
R37	1-218-947-11	RES-CHIP	330	5%	1/16W	R116	1-218-941-81	RES-CHIP	100	5%	1/16W
R38	1-218-967-11	RES-CHIP	15K	5%	1/16W	R117	1-218-990-11	SHORT CHIP	0		
R39	1-218-941-81	RES-CHIP	100	5%	1/16W	R119	1-218-941-81	RES-CHIP	100	5%	1/16W
R40	1-218-990-11	SHORT CHIP	0			R122	1-218-965-11	RES-CHIP	10K	5%	1/16W
R41	1-218-985-11	RES-CHIP	470K	5%	1/16W	R123	1-218-990-11	SHORT CHIP	0		
R42	1-218-965-11	RES-CHIP	10K	5%	1/16W	R124	1-216-864-11	SHORT CHIP	0		
R43	1-218-977-11	RES-CHIP	100K	5%	1/16W	R126	1-218-965-11	RES-CHIP	10K	5%	1/16W
R44	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R127	1-218-965-11	RES-CHIP	10K	5%	1/16W
R45	1-218-971-11	RES-CHIP	33K	5%	1/16W	R128	1-218-965-11	RES-CHIP	10K	5%	1/16W
R46	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R129	1-218-965-11	RES-CHIP	10K	5%	1/16W
R47	1-218-977-11	RES-CHIP	100K	5%	1/16W	R133	1-216-864-11	SHORT CHIP	0		
R48	1-218-941-81	RES-CHIP	100	5%	1/16W	R136	1-218-977-11	RES-CHIP	100K	5%	1/16W
R49	1-218-953-11	RES-CHIP	1K	5%	1/16W	R139	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R50	1-218-941-81	RES-CHIP	100	5%	1/16W	R140	1-218-941-81	RES-CHIP	100	5%	1/16W
R52	1-218-941-81	RES-CHIP	100	5%	1/16W	R141	1-218-941-81	RES-CHIP	100	5%	1/16W
R53	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R142	1-218-941-81	RES-CHIP	100	5%	1/16W
R54	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R143	1-218-941-81	RES-CHIP	100	5%	1/16W
R55	1-218-953-11	RES-CHIP	1K	5%	1/16W	R144	1-218-965-11	RES-CHIP	10K	5%	1/16W
R56	1-218-973-11	RES-CHIP	47K	5%	1/16W	R145	1-218-977-11	RES-CHIP	100K	5%	1/16W
R57	1-218-941-81	RES-CHIP	100	5%	1/16W	R146	1-218-941-81	RES-CHIP	100	5%	1/16W
R59	1-218-941-81	RES-CHIP	100	5%	1/16W	R147	1-218-941-81	RES-CHIP	100	5%	1/16W
R60	1-218-990-11	SHORT CHIP	0			R148	1-218-941-81	RES-CHIP	100	5%	1/16W
R61	1-218-985-11	RES-CHIP	470K	5%	1/16W	R149	1-218-941-81	RES-CHIP	100	5%	1/16W

CDX-S2200

SERVO

Ref. No.	Part No.	Description	Remark
< SWITCH >			
SW1	1-529-565-61	SWITCH, PUSH (1 KEY) (DOWN)	
< VIBRATOR >			
X1	1-795-561-21	VIBRATOR, CERAMIC (16.9344MHz)	
X2	1-795-822-21	VIBRATOR, CERAMIC (18.43MHz)	

MISCELLANEOUS			

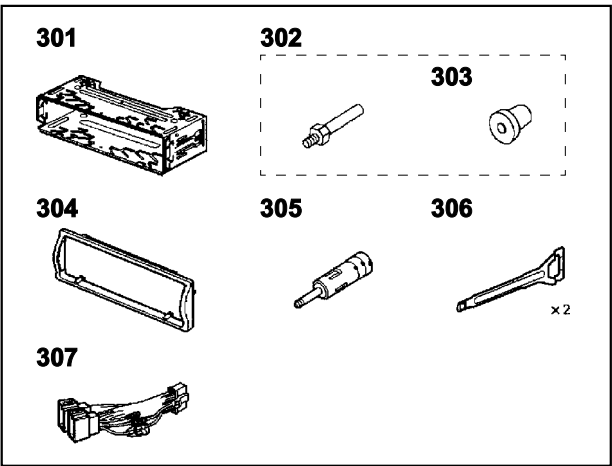
7	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER)	
△ 153	8-820-207-02	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-3372-448-A	CHASSIS (OP) SUB ASSY (including M901)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
M903	A-3372-443-A	MOTOR ASSY, LE (LOADING)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	

ACCESSORIES			

2-023-361-11	MANUAL, INSTRUCTION (ENGLISH,GERMAN, FRENCH,ITALIAN,DUTCH)		
2-023-362-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN,FRENCH,ITALIAN,DUTCH)		
X-3383-264-2	CASE ASSY (for FRONT PANEL)		

PARTS FOR INSTALLATION AND CONNECTIONS			

301	X-3382-647-1	FRAME ASSY, FITTING	
302	X-3382-926-1	SCREW ASSY (BS), FITTING	
303	3-349-410-11	BUSHING	
304	3-246-468-01	COLLAR	
305	1-465-459-31	ADAPTOR, ANTENNA	
306	3-246-471-01	KEY (FRAME)	
307	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER)	



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

MEMO