

CDX-F7700/F7705X

SERVICE MANUAL

Ver 1.0 2004.01

US Model
Canadian Model



Photo: CDX-F7700

- The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
23.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 5% total harmonic distortion.

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 terminal External antenna 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 terminal External antenna connector
Intermediate frequency 10.7 MHz/450 kHz
Sensitivity 30 μ V

Power amplifier section

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

Model Name Using Similar Mechanism	CDX-F5500
CD Drive Mechanism Type	MG-611MA-186//K
Optical Pick-up Name	KSS1000E

SPECIFICATIONS

General

Outputs	Audio output terminals (front/rear) Subwoofer output terminal (mono) Power antenna relay control terminal Power amplifier control terminal
Inputs	Telephone ATT control terminal Illumination control terminal BUS control input terminal BUS audio input or AUX IN terminal Remote controller input terminal Antenna input terminal
Tone controls	Bass \pm 10 dB at 62 Hz Treble \pm 10 dB at 16 kHz
Loudness	+8 dB at 100 Hz +2 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 \times 50 \times 178 mm (7 1/8 \times 2 \times 7 1/8 in.) (w/h/d)
Mounting dimensions	Approx. 182 \times 53 \times 161 mm (7 1/4 \times 2 1/8 \times 6 3/8 in.) (w/h/d)
Mass	Approx. 1.3 kg (2 lb. 14 oz.)
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X141A

Design and specifications are subject to change without notice.

FM/AM COMPACT DISC PLAYER

9-877-508-01

2004A04-1

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Sony Corporation

e Vehicle Company

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SONY®

SERVICE NOTES

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

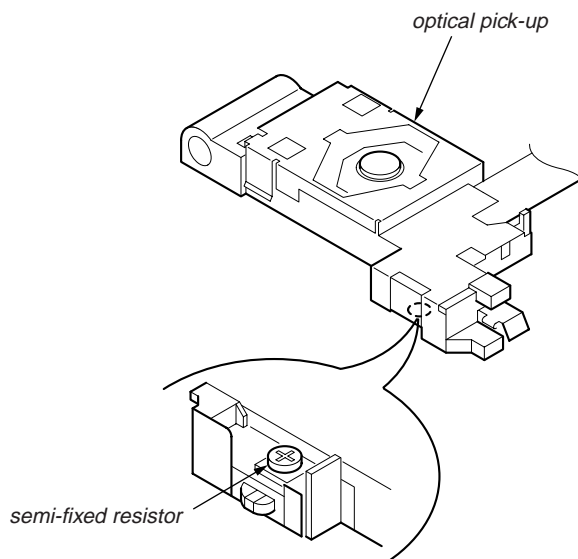
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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.



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)

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.

ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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	

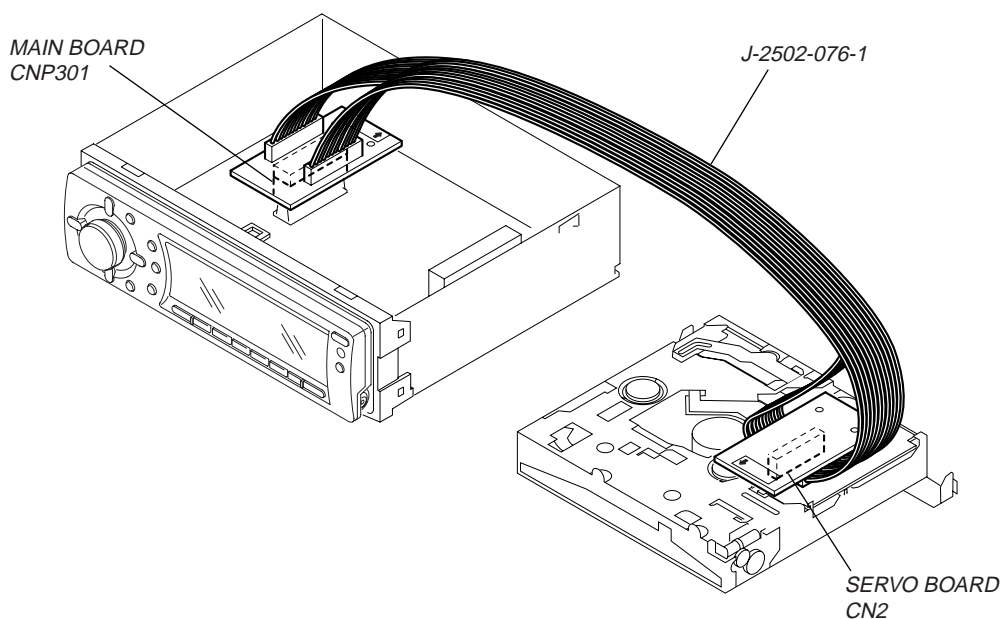
- Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- You cannot play a CD-R/CD-RW that is not finalized*.
- You can play MP3 files recorded on CD-ROMs, CD-Rs, and CD-RWs.
- A CD-R/CD-RW to which a session can be added can be 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 (CN751) 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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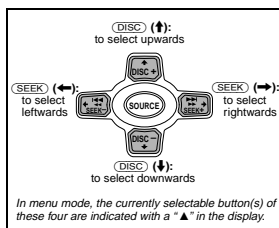
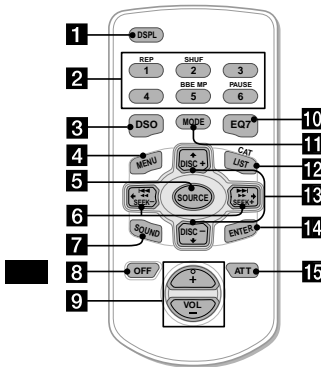
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SECTION 1 GENERAL

This section is extracted from instruction manual.

Location of controls

Card remote commander RM-X141A



Refer to the pages listed for details.

- 1 DSPL (display mode change) button** 13, 16, 22
- 2 Number buttons**
Radio:
To store stations/receive stored stations.
CD/MD:
①: REP 14
②: SHUF 15
③: PAUSE*1 12
Sound:
④: BBE MP*1 21
- 3 DSO button** 24
- 4 MENU button**
To display the menus.
- 5 SOURCE (Power on/Radio/CD/MD*2/AUX*3) button**
To select the source.
- 6 SEEK/AMS (←/→) buttons**
To skip tracks/fast-forward, reverse a track/tune in stations automatically, find a station manually/select a setting.
- 7 SOUND button** 21
- 8 OFF (Stop/Power off) button** 12, 26
- 9 VOL (+/-) buttons**
To turn up or down the volume.
- 10 EQ7 button** 23

- 11 MODE button**
To change operation.
 - 12 LIST (CAT)*4 button** 16, 19
 - 13 DISC (ALBUM) (↑/↓) buttons**
To receive preset stations/change the disc*5, skip albums*6/select a menu.
 - 14 ENTER button**
To enter a setting.
 - 15 ATT button** 22
- *1 Available only when playing back on this unit.
*2 When an optional MD unit is connected.
*3 Available only when an optional Sony portable device is connected to AUX IN terminal of the unit. When you connect a Sony portable device and CD/MD unit(s) at the same time, use the AUX IN selector.
*4 The CAT button is available only when the XM tuner is connected.
*5 When an optional CD/MD unit is connected.
*6 Available only when an MP3 file is played.
- Note**
If the display disappears by pressing (OFF), 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.
- Tip**
For details on how to replace the battery, see "Replacing the lithium battery" on page 27.

Selecting a disc and album

Disc and album can be skipped using the DISC (ALBUM) (↑/↓) buttons.

(With this unit)

To	Press
Skip albums*7	↑ or ↓ [once for each album]
- Album selection	To continuously skip albums, press and hold either button.

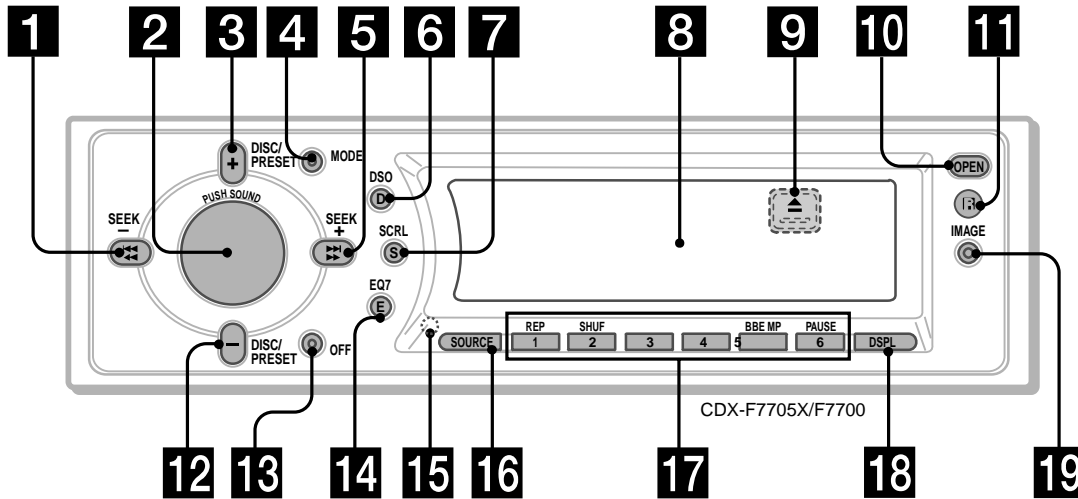
(With optional unit)

To	Press
Skip discs	↑ or ↓ [once for each disc]
- Disc selection	To continuously skip discs, press once and press again within about 1 second (and hold) either button.
Skip albums*7	↑ or ↓ [hold for a moment] and release.
- Album selection	To continuously skip albums, press (and hold) within about 1 second of first releasing the button.

*7 Available only when an MP3 file is played.

Skipping tracks continuously

Press once either SEEK/AMS (← or →) button, then press again within about 1 second and hold.



The buttons on the unit share the same functions as those on the card remote commander.

1 5 SEEK/AMS (I◀◀◀/▶▶▶I) buttons

2 Volume control dial/SOUND button

Rotate to:

– Adjust the volume.

– Adjust the sound settings.

Press to:

– Select the sound items.

3 12 DISC (ALBUM)/PRESET (+/-) buttons

4 MODE button

6 DSO button

7 SCRL (scroll) button

8 Display window

9 ▲ (eject) button (located on the front side of the unit, behind the front panel) 12

10 OPEN button 10, 12

11 Receptor for the card remote commander

13 OFF (Stop/Power off) button*

14 EQ7 button

15 RESET button (located on the front side of the unit, behind the front panel) 10

16 SOURCE button

17 Number buttons

18 DSPL (display mode change) button

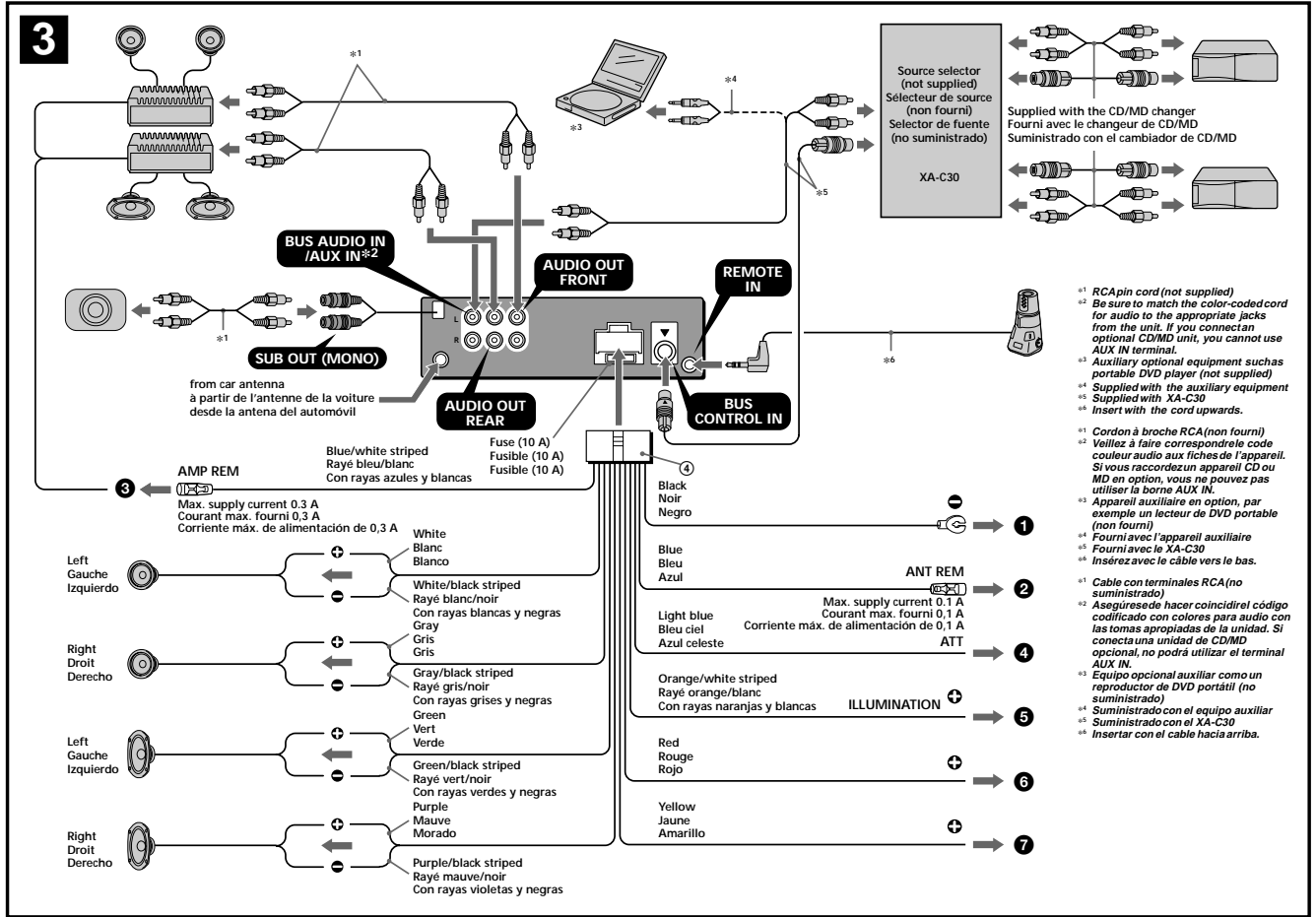
19 IMAGE button 25

* 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



Connection diagram (3)

- To a metal surface of the car
First connect the black ground lead, then connect the yellow and red power input leads.
 - To the power antenna control lead or power supply lead of antenna booster amplifier
Notes
• It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.
• When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."
 - To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.
 - To the interface cable of a car telephone
 - To a car's illumination signal
Be sure to connect the black ground lead to a metal surface of the car first.
 - 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 lead to a metal surface of the car first.
• When your car has built-in FM/AM antenna in the rear/side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.
• A power antenna 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 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.

Schéma de raccordement (3)

- A un point métallique de la voiture
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation jaune et rouge.
 - Vers le fil de commande de l'antenne électrique ou le fil d'alimentation de l'amplificateur d'antenne
Remarques
• Il n'est pas nécessaire de raccorder ce fil s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.
• Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/laterale, voir « Remarques sur les fils de commande et d'alimentation ».
 - Au niveau du AMP REMOTE IN de l'amplificateur de puissance en option
Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
 - Vers le cordon de liaison d'un téléphone de voiture
 - Vers le connecteur du signal d'éclairage de la voiture
Raccordez d'abord le fil de masse noir à un point métallique du véhicule.
 - À la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires
Remarques
• S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est alimentée en permanence.
Raccordez d'abord le fil de masse noir à un point métallique du véhicule.
• Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/laterale, raccordez le fil de commande de l'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.
• Une antenne électrique sans bobiner de relais ne peut pas être utilisée avec cet appareil.
- Remarques sur les fils de commande et d'alimentation**
• Le fil de commande de l'antenne électrique (bleu) fournit une alimentation de +12 V. Lorsque vous mettez la radio sous tension.
• Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/laterale, raccordez le fil de commande de l'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.
• Une antenne électrique sans bobiner de relais ne peut pas être utilisée avec cet appareil.
- Raccordement pour la conservation de la mémoire**
Lorsque le fil d'entrée d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.
- Remarques sur le raccordement des haut-parleurs**
- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
 - Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.
 - Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes des haut-parleurs droit à celles du haut-parleur gauche.
 - Ne raccordez pas le câble de masse de cet appareil à la borne négative (-) de l'enceinte.
 - N'essayez pas de raccorder les haut-parleurs en parallèle.
 - Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateurs intégrés) aux bornes des haut-parleurs peut endommager l'appareil.
 - Pour éviter tout dysfonctionnement, n'utilisez pas les fils des haut-parleurs intégrés installés dans votre voiture, où l'appareil partage un fil négatif commun (-) pour les haut-parleurs droit et gauche.
 - Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.
- Remarque sur le raccordement**
Si les haut-parleurs et l'amplificateur ne sont pas raccordés correctement, le message « Failure » s'affiche. Dans ce cas, assurez-vous que les haut-parleurs et l'amplificateur sont bien raccordés.

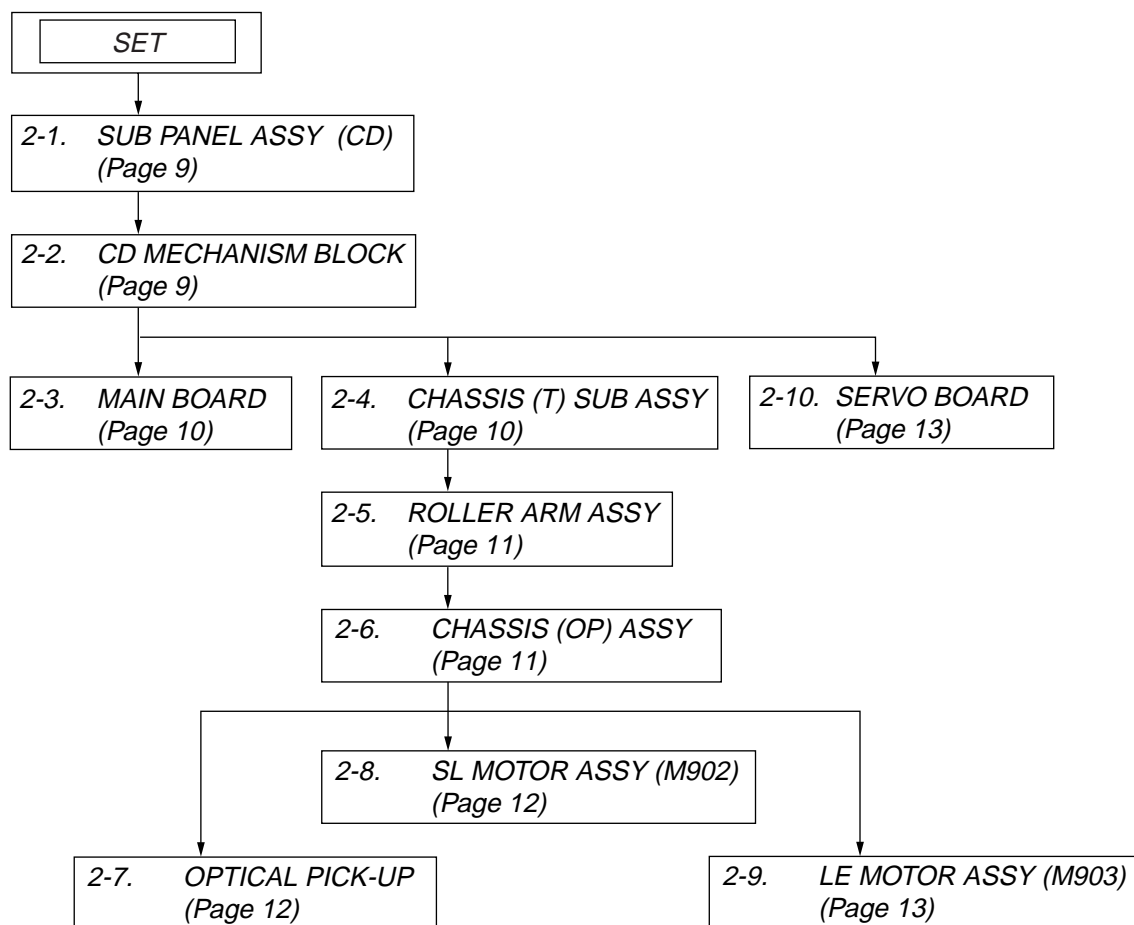
Diagrama de conexión (3)

- A una superficie metálica del automóvil
Conecte primero el cable de toma a tierra negro, y después los cables con raya naranja/blanca, amarillo, y rojo de entrada de alimentación.
 - Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de 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".
 - Para conectar a AMP REMOTE IN del amplificador de potencia opcional
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.
 - Al cable de interfaz de un teléfono para automóvil
 - A una señal de iluminación del automóvil
Asegúrese de conectar primero el cable de toma a tierra negro a una superficie metálica del automóvil.
 - Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de la llave 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 toma a tierra negro a una superficie metálica del automóvil.
• 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 entrada de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener más información, consulte a su proveedor.
• Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.
- Conexión para protección de la memoria**
Si conecta el conductor de entrada amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague la llave 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 toma a tierra 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 su 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 y el amplificador no están conectados correctamente, aparecerá "Failure" en la pantalla. Si es así, compruebe la conexión de ambos dispositivos.

- RCA pin cord (not supplied)
- Be sure to match the color-coded cord for audio to the appropriate jacks from the unit. If you connect an optional CD/MD unit, you cannot use AUX IN terminal.
- Auxiliary optional equipment such as portable DVD player (not supplied)
- Supplied with the auxiliary equipment. Supplied with XA-C30
- Insert with the cord upwards.
- Cordon à broche RCA (non fourni)
- Veuillez à faire correspondre le code couleur audio aux fiches de l'appareil. Si vous raccordez un appareil CD ou MD en option, vous ne pouvez pas utiliser la borne AUX IN.
- Appareil auxiliaire en option, par exemple un lecteur de DVD portable (non fourni)
- Fourni avec l'appareil auxiliaire
- Insérez avec le câble vers le bas.
- Cable con terminales RCA (no suministrado)
- Asegúrese de hacer coincidir el código codificado con colores para audio con las tomas apropiadas de la unidad. Si conecta una unidad de CD/MD opcional, no podrá utilizar el terminal AUX IN.
- Equipo opcional auxiliar como un reproductor de DVD portátil (no suministrado)
- Suministrado con el equipo auxiliar
- Suministrado con el XA-C30
- Insertar con el cable hacia arriba.

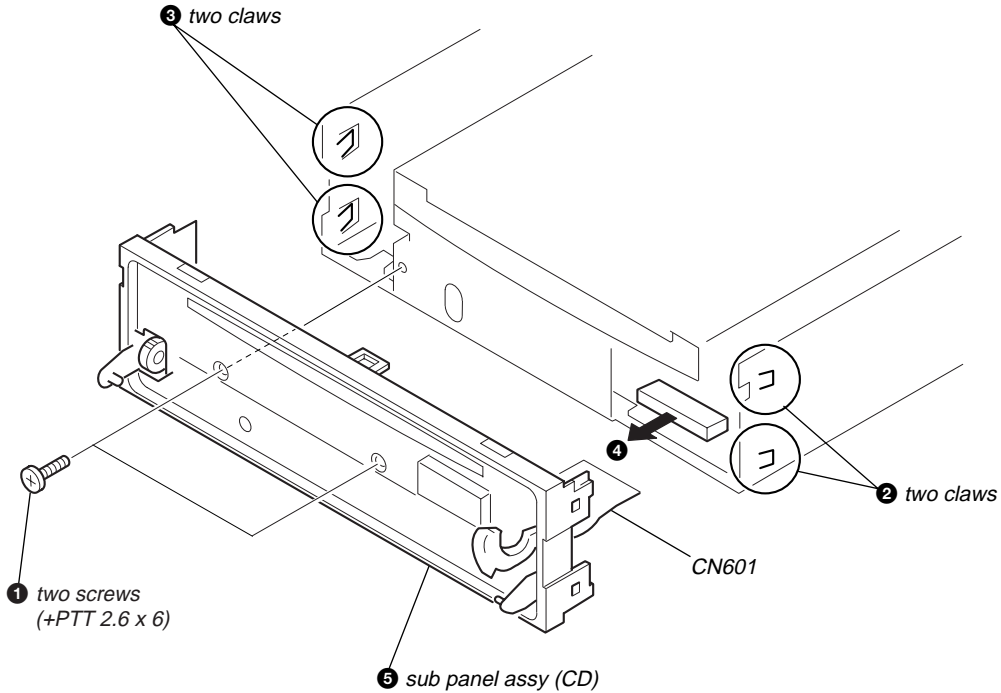
SECTION 2 DISASSEMBLY

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

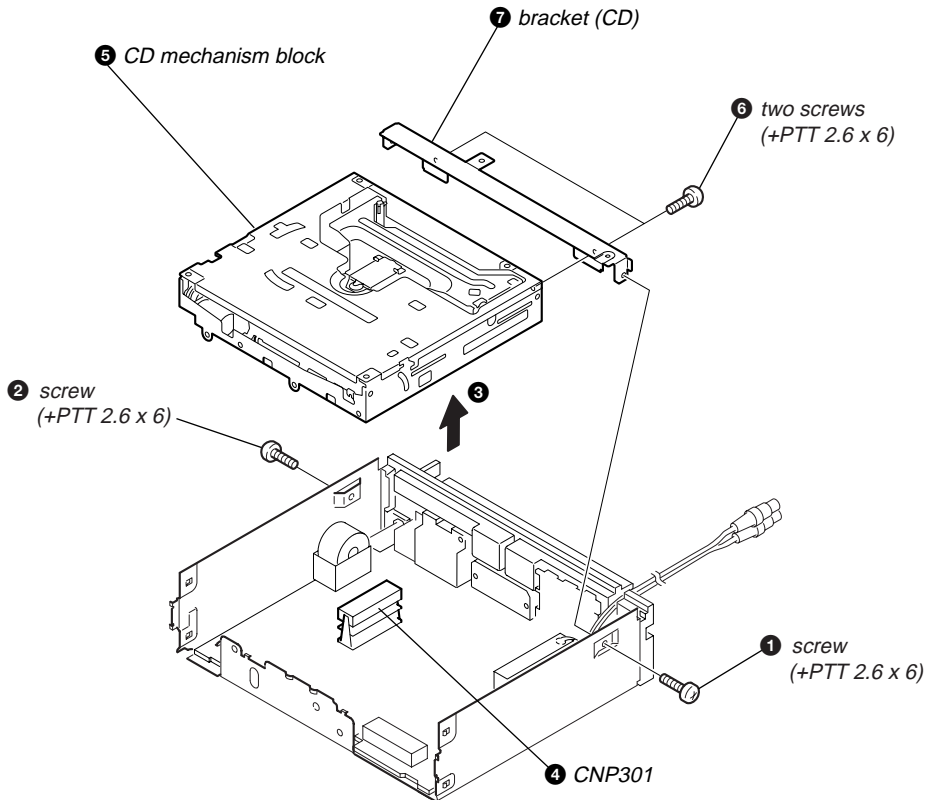


Note : Follow the disassembly procedure in the numerical order given.

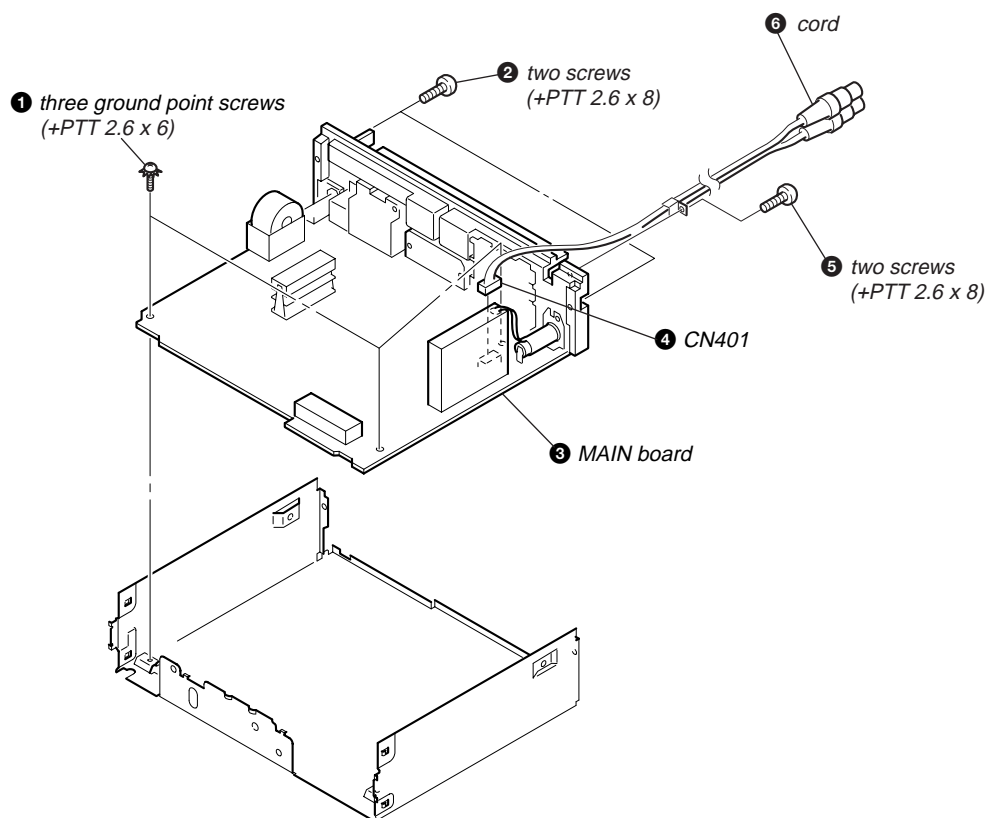
2-1. SUB PANEL ASSY (CD)



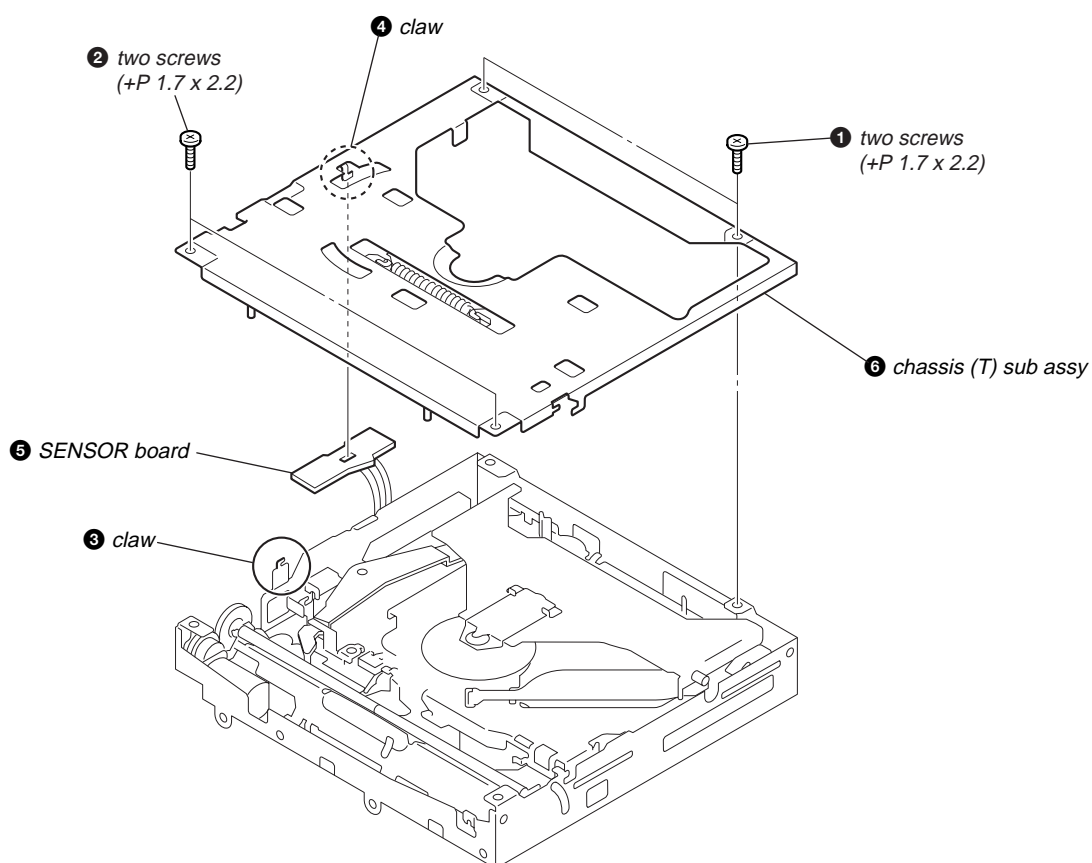
2-2. CD MECHANISM BLOCK



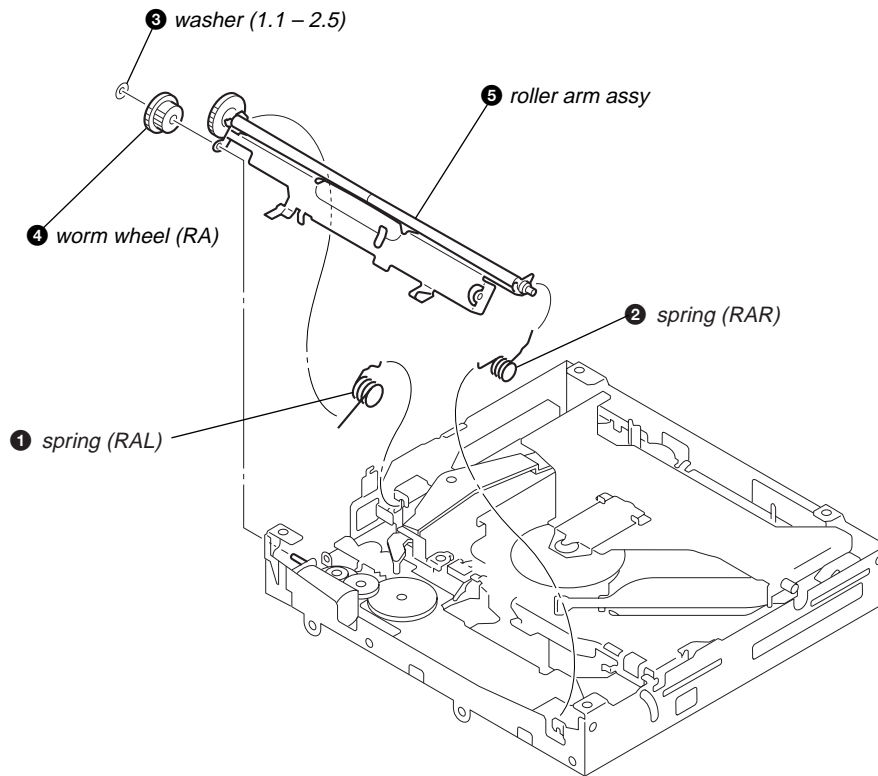
2-3. MAIN BOARD



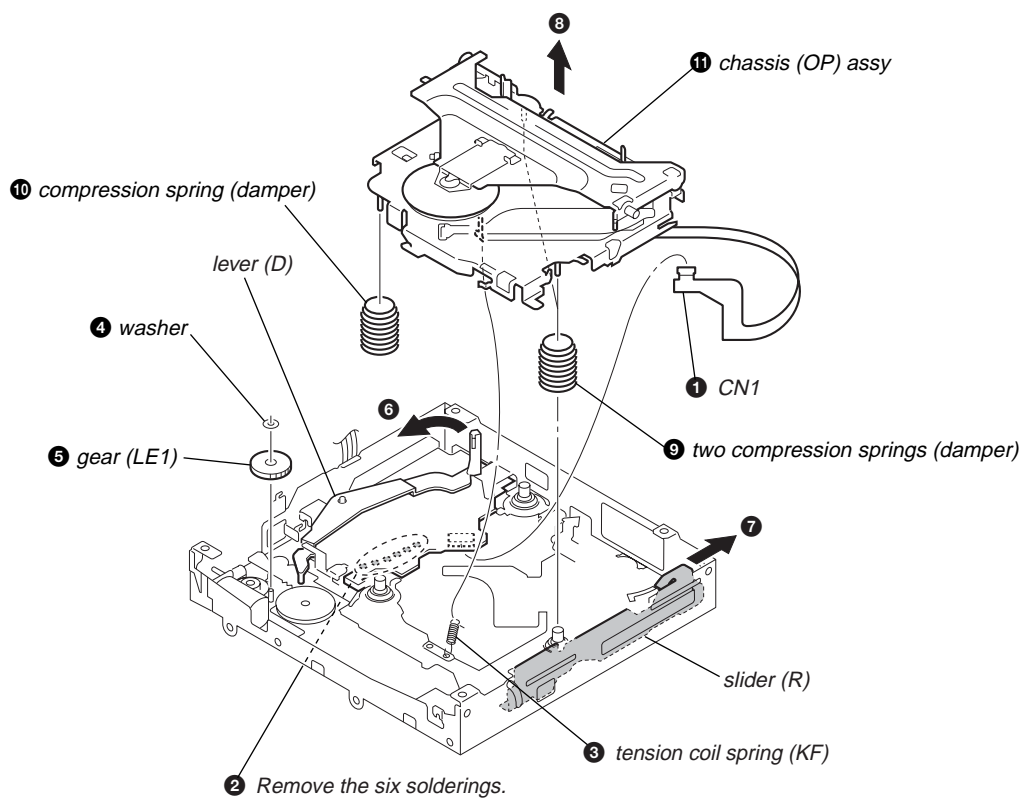
2-4. CHASSIS (T) SUB ASSY



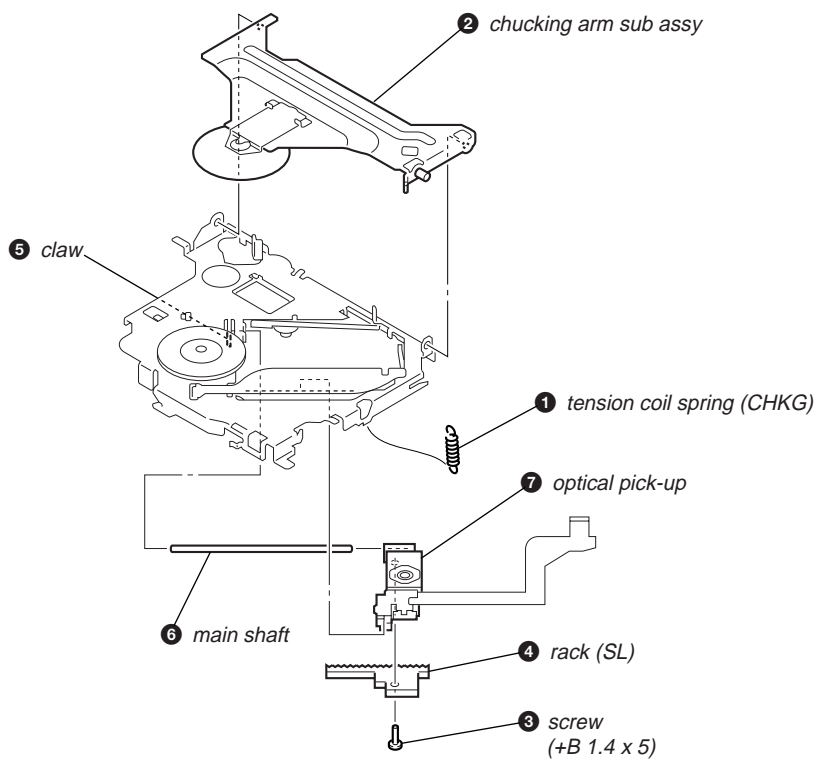
2-5. ROLLER ARM ASSY



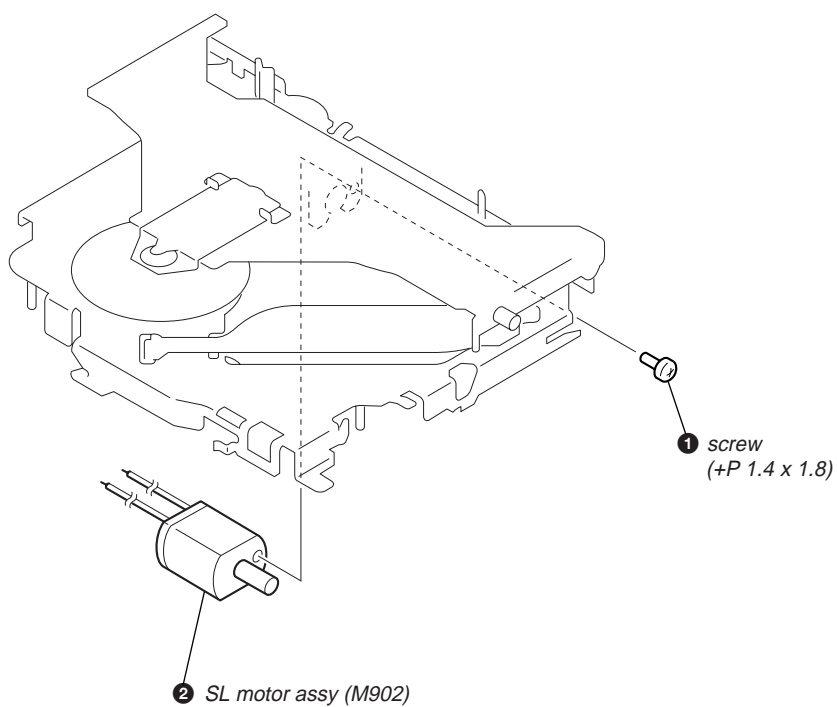
2-6. CHASSIS (OP) ASSY



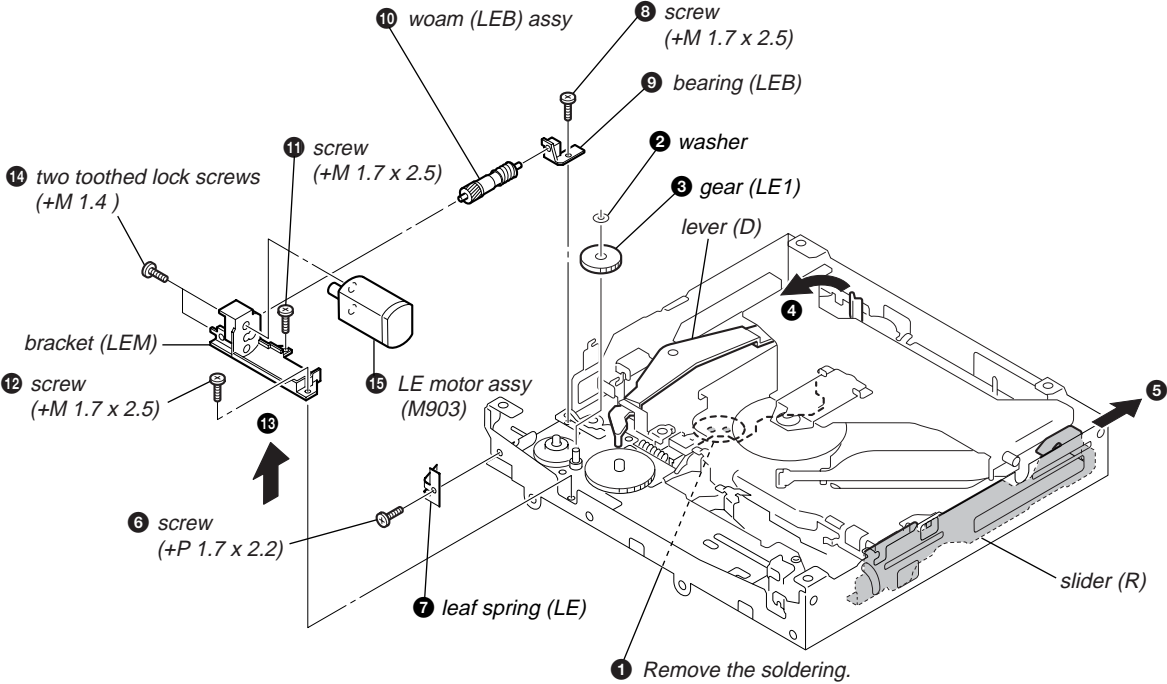
2-7. OPTICAL PICK-UP



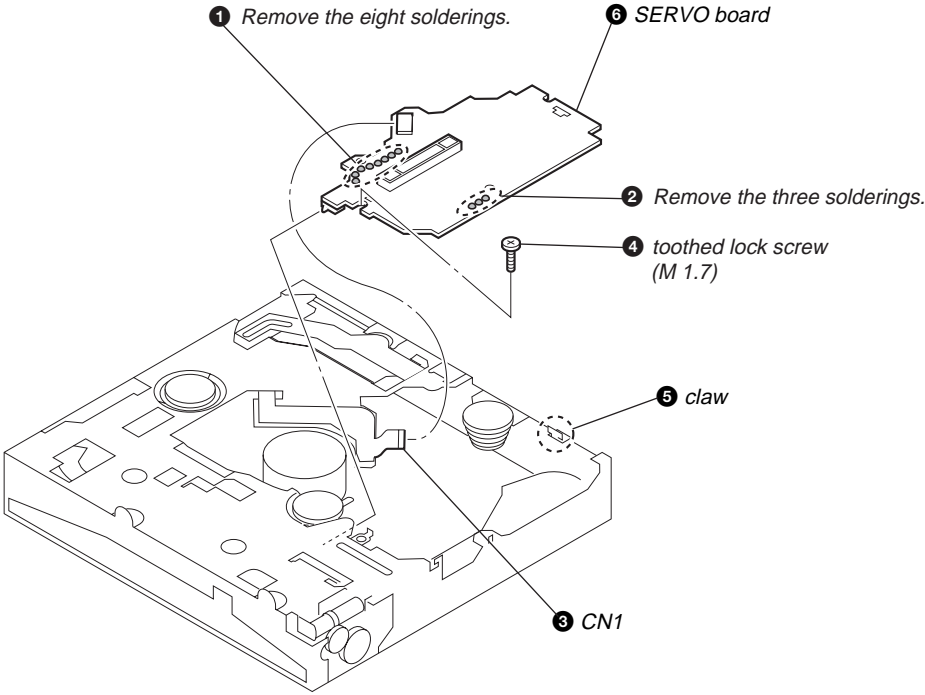
2-8. SL MOTOR ASSY (M902)



2-9. LE MOTOR ASSY (M903)



2-10. SERVO BOARD



SECTION 3 DIAGRAMS

3-1. IC PIN DESCRIPTIONS

• IC3 CXD3059AR (DIGITAL SERVO/DIGITAL SIGNAL PROCESSOR) (SERVO BOARD (1/2))

Pin No.	Pin Name	I/O	Pin Description
1	MIRR	I/O	Mirrer signal input/output
2	DFCT	I/O	Defect signal input/output
3	FOK	I/O	Focus OK signal input/output
4	VSS	—	Ground pin
5	LOCK	I/O	Not used in this set. (Open)
6	MDP	O	Spindle motor servo control signal output
7	SSTP	I	Disc most inner detection signal input
8	IOVSS1	—	Digital ground pin for I/O
9	SFDR	O	Sled drive signal output
10	SRDR	O	Sled drive signal output
11	TFDR	O	Tracking drive signal output
12	TRDR	O	Tracking drive signal output
13	FFDR	O	Focus drive signal output
14	FRDR	O	Focus drive signal output
15	IOVDD1	—	Digital power supply pin for I/O
16	AVDD0	—	Analog power supply pin for I/O
17	AVSS0	—	Analog ground pin
18	NC	—	Not used. (Open)
19	E	I	E signal input
20	F	I	F signal input
21	TEI	I	Tracking error signal input from the DSSP block
22	TEO	O	Tracking error signal output to the RF amp block
23	FEI	I	Focus error signal input from the DSSP block
24	FEO	O	Focus error signal output form the RF amp block
25	VC	I/O	VC voltage output to the RF amp block Center voltage input from the DSSP block by command select
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
32	RFDCO	I/O	RFDC signal output RFDC signal input from the DSSP block by command select
33	PDSSENS	I	Reference voltage input for PD
34	AC SUM	O	RFAC suming amp signal output
35	EQ IN	I	Equalizer circuit signal input
36	LD	O	APC amp signal output
37	PD	I	APC amp signal input
38	NC	—	Not used. (Open)
39	RFC	I	EQ cut off frequency adjustment input
40	AVSS4	—	Analog ground pin
41	RFACO	O	RFAC signal output
42	RFACI	I	RFAC signal input or EFM signal input
43	AVDD3	—	Analog power supply pin
44	BIAS	I	Asymmetry circuit constant current input
45	ASYI	I	Asymmetry comparate voltage input
46	ASYO	O	EFM full swing signal output
47	VPCO	O	Charge pomp output for wideband EFM PLL
48	VCTL	I	VCO2 control voltage input for wideband EFM PLL
49	AVSS3	—	Analog ground pin

Pin No.	Pin Name	I/O	Pin Description
50	CLTV	I	VCO1 control voltage input
51	FILO	O	Filter signal output for master PLL
52	FILI	I	Filter signal input for master PLL
53	PCO	O	Charge pump output for master PLL
54	AVDD5	—	Analog power supply pin
55	DDVROUT	O	DC/DC converter output
56	DDVRSEN	I	DC/DC converter output voltage monitor signal input
57	AVSS5	—	Analog ground pin
58	DDCR	I	Reset signal input for DC/DC converter
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	—	Digital ground pin for internal
65	PCMD	O	D/A interface serial data signal output
66	BCK	O	D/A interface bit clock signal output
67	VDD	—	Digital power supply pin for internal
68	EMPH	O	Not used in this set. (Open)
69	EMPHI	I	Not used in this set. (Fixed at “L”.)
70	IOVDD2	—	Digital power supply pin for I/O
71	DOUT	O	Digital out signal output
72, 73	TEST	I	Test pin Normally “L”.
74	IOVSS2	—	Digital ground pin for I/O
75	NC	—	Not used in this set. (Open)
76	XVSS	—	Ground pin for master clock
77	XTAO	O	Crystal oscillation circuit output (16.9344 MHz)
78	XTAI	I	Crystal oscillation circuit input (16.9344 MHz)
79	XVDD	—	Power supply pin for master clock
80	AVDD1	—	Analog power supply pin
81	AOUT1	O	L channel analog signal output
82	VREFL	O	L channel reference voltage output
83	AVSS1	—	Analog ground pin
84	AVSS2	—	Analog ground pin
85	VREFR	O	R channel reference voltage output
86	AOUT2	O	R channel analog signal output
87	AVDD2	—	Analog power supply pin
88	NC	—	Not used. (Open)
89	IOVDD0	—	Digital power supply pin for I/O
90	RMUT	O	R channel “O” detection flug output
91	LMUT	O	L channel “O” detection flug output
92	NC	—	Not used. (Open)
93	XTSL	I	X’tal select signal input 16.9344 MHz: “L”, 33.8688 MHz: “H”
94	IOVSS0	—	Digital ground pin for I/O
95	XTACN	I	Oscillation circuit control input “H”: Oscillation start, “L”: Oscillation stop
96	SQSO	O	Sub 80 bit and PCM peak, level data signal output CD text data signal output
97	SQCK	I	Clock signal input for SQSO read out
98	SBSO	O	Sub P-W serial data signal output Not used in this set. (Open)
99	EXCK	I	Clock signal input for SBSO read out Not used in this set. (Open)
100	XRST	I	System reset signal input “L”: reset
101	SYSM	I	Mute signal input “H”: mute Not used in this set. (Fixed at “L”.)
102	DATA	I	Serial data signal input
103	VSS	—	Digital ground pin for internal

CDX-F7700/F7705X

Pin No.	Pin Name	I/O	Pin Description
104	XLAT	I	Latch signal input
105	CLOCK	I	Serial data transfer clock signal input
106	VDD	—	Digital power supply pin for internal
107	SENS	O	SENS signal output
108	SCLK	I	Clock signal input for SENS serial data read out
109	ATSK	I/O	Input/output for anti-shock
110	WFCK	O	WFCK signal output Not used in this set. (Open)
111	XUGF	O	XUGF signal output Not used in this set. (Open)
112	XPCK	O	XPCK signal output Not used in this set. (Open)
113	GFS	O	GFS signal output
114	C2PO	O	C2PO signal output
115	SCOR	O	Sub cord sync signal output
116	VDD	—	Digital power supply pin for internal
117	C4M	O	4.2336 MHz signal output Not used in this set. (Open)
118	WDCK	O	Word clock signal output Not used in this set. (Open)
119	COUT	I/O	Track count signal input/output Not used in this set. (Open)
120	NC	—	Not used. (Open)

• IC303 M30624MGP (SYSTEM CONTROL) (MAIN BOARD (3/3))

Pin No.	Pin Name	I/O	Pin Description
1	SIRCS	I	Remocon data input
2	(NCO)	O	Not used
3	CD SO/TSO	O	CD servo serial data output
4	CD SI/TSI	I	CD servo serial data input
5	CD CKO/TCKO	O	CD servo serial clock output
6	BYTE	I	Connecting to ground.
7	CNVSS	I	Flash write-in signal input
8	XCIN	I	Sub clock signal input (32.768kHz)
9	XCOUT	O	Sub clock signal output (32.768kHz)
10	RESET	I	CPU reset input
11	XOUT	O	Main clock signal output (6MHz)
12	VSS	—	Ground
13	XIN	I	Main clock signal input (6MHz)
14	VCC1	—	Ground
15	NMI	I	Non maskable interrupt signal input
16	CD INTQ	I	CD-TEXT sync. signal input
17	DAVN	I	RDS data block sync. detection signal input
18	BU IN	I	Back-up power detection signal input
19	NS MASK	O	NS-MASK signal output
20	BEEP	O	Beep signal output
21	FSW IN	I	DD converter OSC frequency count input
22	FSW OUT	O	DD converter OSC frequency change output
23	SA CLK	O	Spectrum analyzer clock output
24	TEL ATT	I	Telephone mute signal input
25	ATT	O	Mute signal output
26	VOL ATT	O	Electronic volume mute signal output
27	I2C CKO	O	I2C bus serial clock output
28	I2C SIO	O	I2C bus serial data output
29	UNI SO	O	SONY bus serial data output
30	UNI SI	I	SONY bus serial data input
31	UNI CKO	O	SONY bus serial clock output
32	TUNER ATT	O	Tuner mute signal output
33	EE SIO	I/O	Tuner pack EEPROM serial data input/output
34	EE CKO	O	Tuner pack EEPROM serial clock output
35	RE IN0	I	Rotary encoder signal input 0
36	RE IN1	I	Rotary encoder signal input 1
37	NOSE SW	I	Front panel detection signal input
38	DOOR SW	I	Panel open detection signal input
39	HOLD	I	External bus data input (HOLD)
40	AMP DIAG	I	AMP self-diagnosis function control signal input
41	AMP STB	O	AMP standby signal output
42	(NCO)	O	Not used
43	(NCO)	O	Not used
44	WRI/WR	I	External bus data input (WRI/WR)
45	CD LIMIT	I	CD LIMIT switch detection signal input
46	CD D SW	I	CD D switch detection signal input
47	CD IN SW	I	CD IN switch detection signal input
48	4V SEL	I	4V PRE-OUT select signal input
49	MP3 SEL	I	Deck mechanism select signal input
50	DST SEL1	I	Destination select setting pin 1
51	DST SEL2	I	Destination select setting pin 2
52	CD LM LOAD	O	CD loading signal output

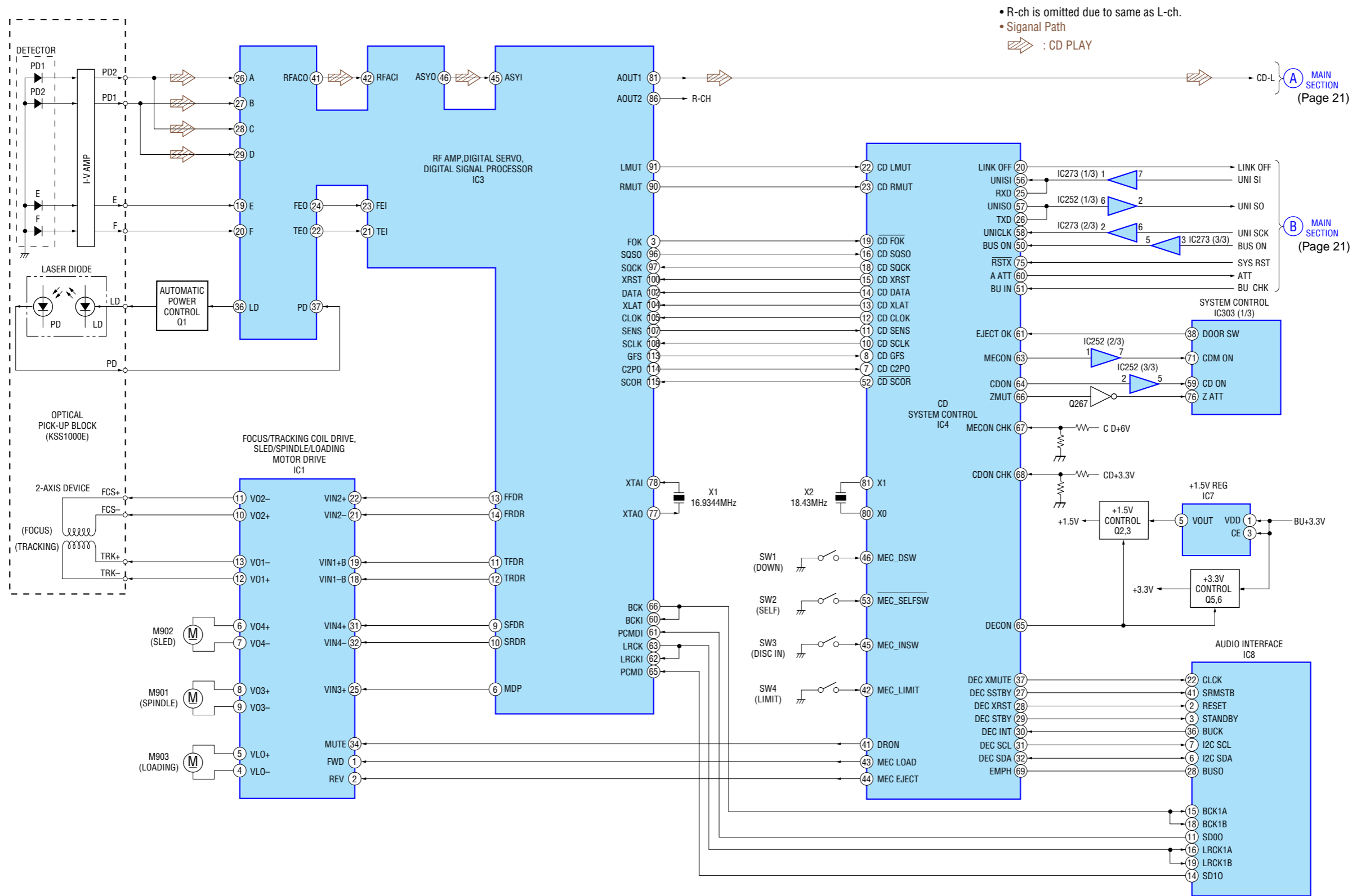
CDX-F7700/F7705X

Pin No.	Pin Name	I/O	Pin Description
53	CD LM EJECT	O	CD eject signal output
54	CD RESET	O	CD reset signal output
55	CD AO	O	CD AO signal output
56	CD STB	O	CD strobe signal output
57	(NCO)	O	Not used
58	CD RF OK	I	CD RF OK signal input
59	CD ON	I	CD ON signal input
60	VCC2	—	Power supply pin (+5V)
61	DISP RESET	O	Display CPU reset signal output
62	VSS	—	Ground
63	TEST IN	I	Test mode signal input
64	BUS ON	O	BUS ON signal output
65	SYS RST	O	System reset signal output
66	BUS/AUX	O	BUS AUDIO/AUX-IN select signal output
67	(NCO)	O	Not used
68	ACC IN	I	ACC power supply check signal input
69	ILL IN	I	ILL check signal input
70	RC IN1	I	Rotary commander signal input
71	CDM ON	I	CD power supply ON signal input
72	CD SELF SW	I	CD SELF switch detection signal input
73	TU ATT IN	I	Tuner attenuator zero cross signal input
74	ZERO DET1	I	ZERO detection signal input 1
75	ZERO DET2	I	ZERO detection signal input 2
76	Z ATT	I	Z mute signal input
77	(NCO)	O	Not used
78	(NCO)	O	Not used
79	ROMC EN	O	Connecting to ground.
80	QUALITY	I	Tuner noise detection signal input
81	MPTH	O	Not used
82	VSM	I	S-meter signal input
83	SA IN	I	Spectrum analyzer data input
84	KEY IN1	I	Key signal input
85	KEY IN0	I	Key signal input
86	RC IN0	I	Rotary commander signal input
87	KEY ACK2	I	Rotary commander ACK signal input
88	KEY ACK0	I	Key ACK signal input
89	KEY ACK1	I	Key ACK signal input
90	DOORING	O	Sub panel LED power supply control signal output
91	RAM BU	I	RAM back-up input
92	FLD ON	O	FL driver power supply control signal output
93	FL ON	O	FL power supply control signal output
94	AVSS	—	Ground
95	DISP CE	O	Display CPU chip enable output
96	VREF	—	AD converter reference voltage (+5V)
97	AVCC	—	Power supply pin (+5V)
98	DISP SI/RX	I	Display CPU serial data input
99	DISP SO/TX	O	Display CPU serial data output
100	DISP CKO	O	Display CPU serial clock output

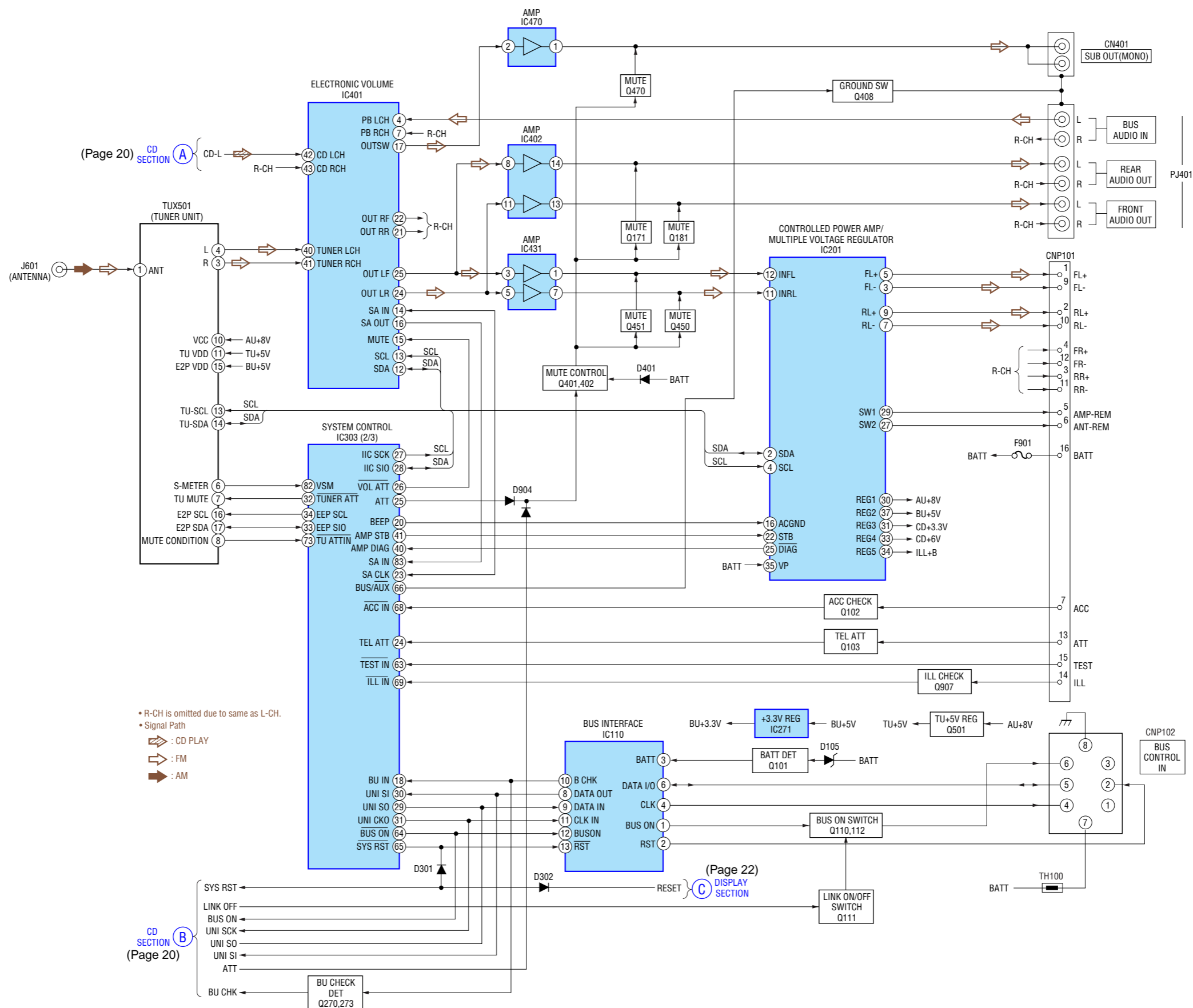
• IC901 M30823MH-080GP (DISPLAY CONTROL) (KEY BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	SYS CE	I	Main chip enable input
2	(NCO)	O	Not used
3	FL DAT3	O	FL serial data output 3
4	(NCO)	O	Not used
5	FL CLK IN	I	FL serial clock input
6	BYTE	I	Connecting to ground.
7	CNVSS	I	Flash write-in signal input
8	PLL LPF	O	PLL low pass filter connection pin
9	PLL GND	I	Ground
10	RESET	I	CPU reset input
11	XOUT	O	Main clock signal output (8MHz)
12	VSS	—	Ground
13	XIN	I	Main clock signal input (8MHz)
14	VCC	—	Power supply pin (+5V)
15	NMI	I	Non maskable interrupt signal input
16	(NCO)	O	Not used
17	GCP IN	I	GCP pulse interrupt signal input
18, 19	(NCO)	O	Not used
20	GCP OUT	O	GCP pulse signal output
21	LAT	O	FL data LAT output
22	BK	O	FL BK signal output
23	GCP2	O	FL GCP signal output 2
24	(NCO)	O	Not used
25	GCP1	O	FL GCP signal output 1
26	(NCO)	O	Not used
27	GCP4	O	FL GCP signal output 4
28	GCP3	O	FL GCP signal output 3
29	SYS SO	O	Main bus serial data output
30	SYS SI	I	Main bus serial data input
31	SYS CLK	O	Main bus serial clock output
32	(NCO)	O	Not used
33	FL DAT1	O	FL serial data output 1
34	(NCO)	O	Not used
35	FL CLK	O	FL serial clock output
36 to 38	(NCO)	O	Not used
39	HOLD	I	External bus data input (HOLD)
40 to 43	(NCO)	O	Not used
44	WRI/WR	I	External bus data input (WRI/WR)
45 to 59	(NCO)	O	Not used
60	VCC	—	Power supply pin (+5V)
61	(NCO)	O	Not used
62	VSS	—	Ground
63 to 93	(NCO)	O	Not used
94	AVSS	—	Ground
95	(NCO)	O	Not used
96	VREF	—	Reference voltage (+5V)
97	AVCC	—	Power supply pin (+5V)
98	(NCO)	—	Not used
99	FL DAT2	O	FL serial data output 2
100	FL CLK IN	I	FL serial clock input

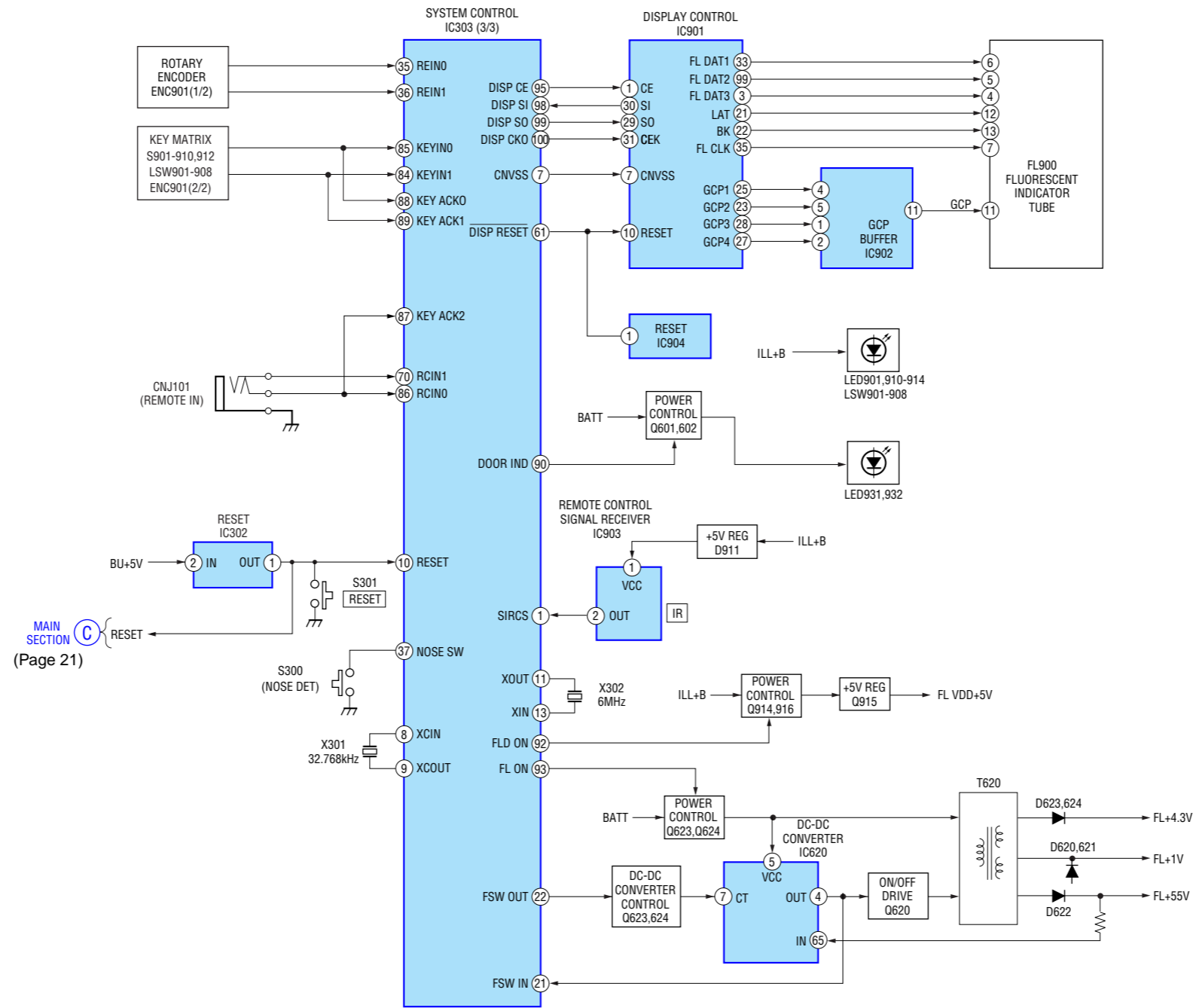
3-2. BLOCK DIAGRAM — CD SECTION —



3-3. BLOCK DIAGRAM — MAIN SECTION —



3-4. BLOCK DIAGRAM — DISPLAY SECTION —



3-5. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

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 diagrams.

- Note:**
- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $1/4\text{ W}$ or less unless otherwise specified.
 - Δ : internal component.
 - \square : 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.

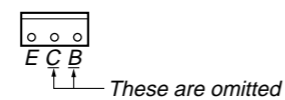
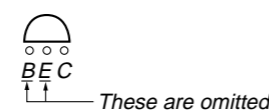
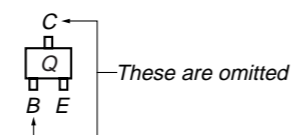
Note:
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD mechanism section
no mark : CD PLAY
- Main (1/3), (2/3), (3/3) and Key sections
no mark : FM
() : AM
< > : CD PLAY
* : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 : CD PLAY
 : FM
 : AM
- Abbreviation
CND : Canadian model.

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.)

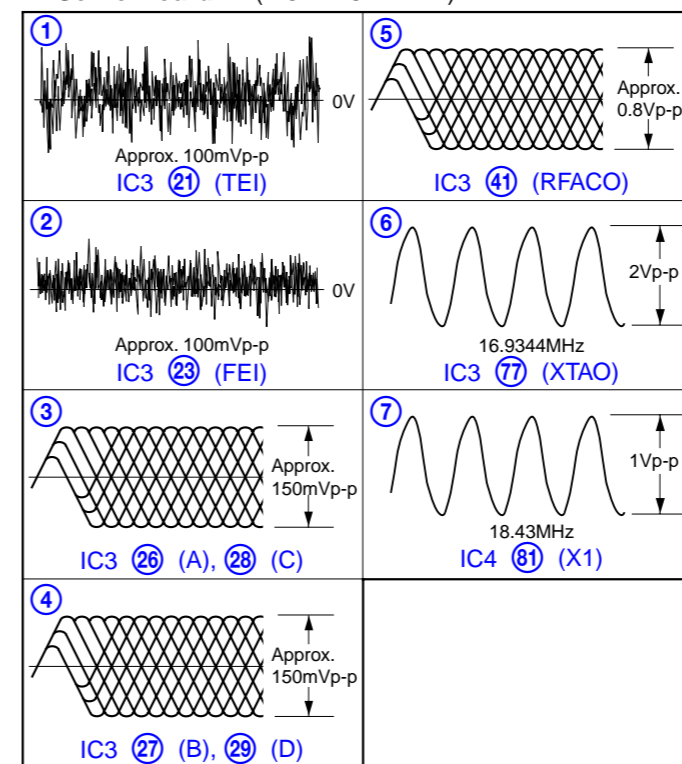
Caution:
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the (Side A)



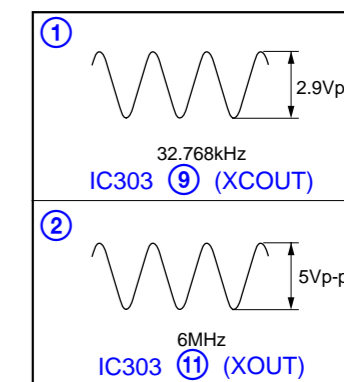
- Abbreviation
CND : Canadian model.

3-6. WAVEFORMS

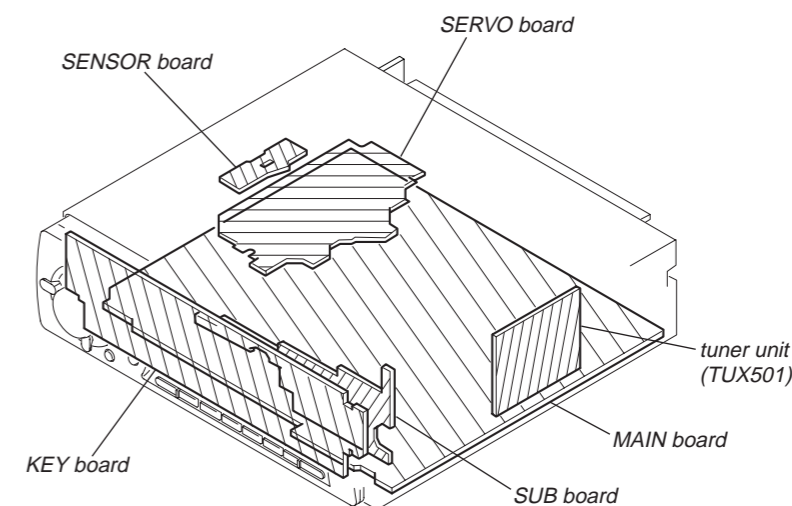
— Servo Board — (MODE: CD PLAY)



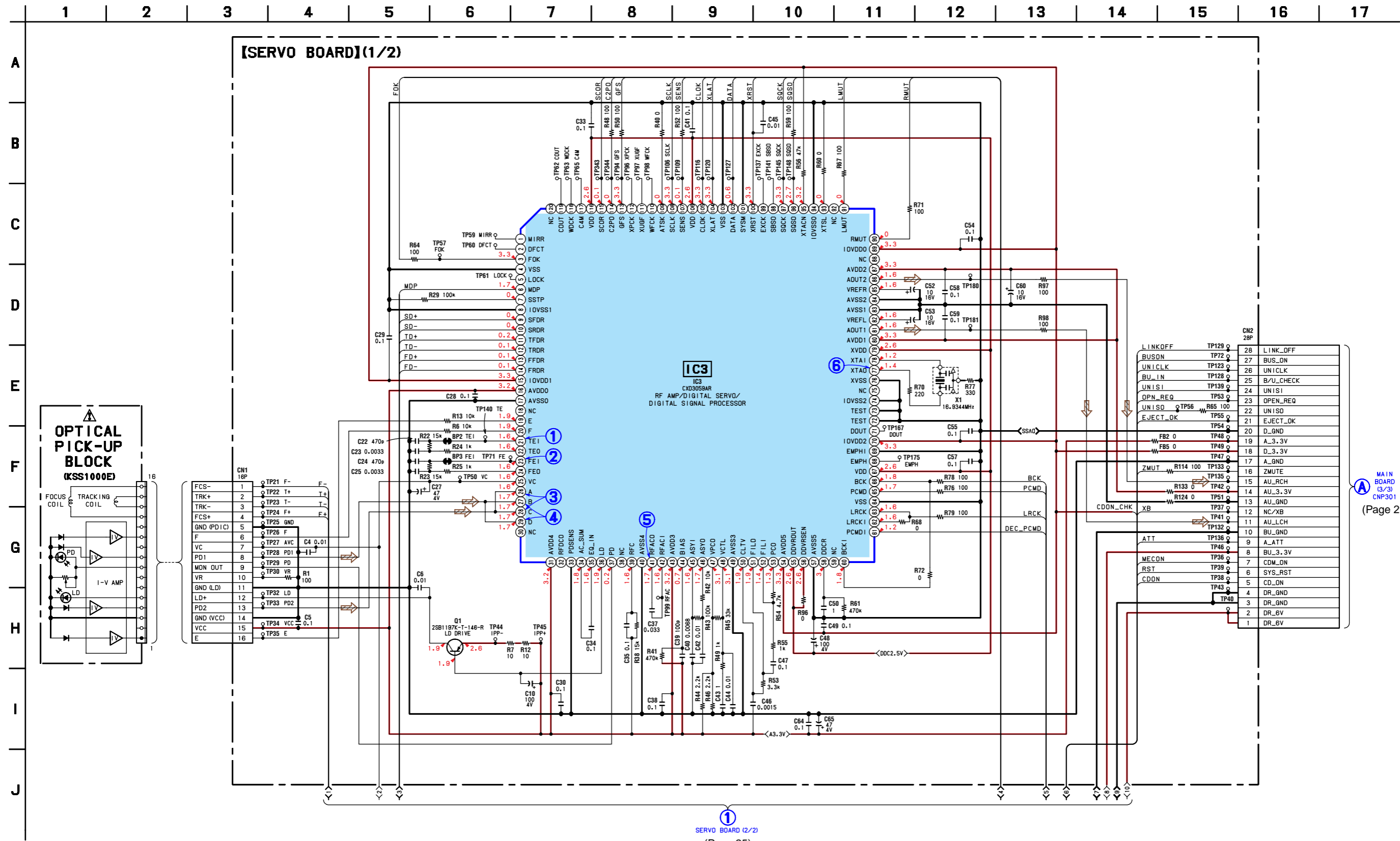
— Main Board —



3-7. CIRCUIT BOARDS LOCATION

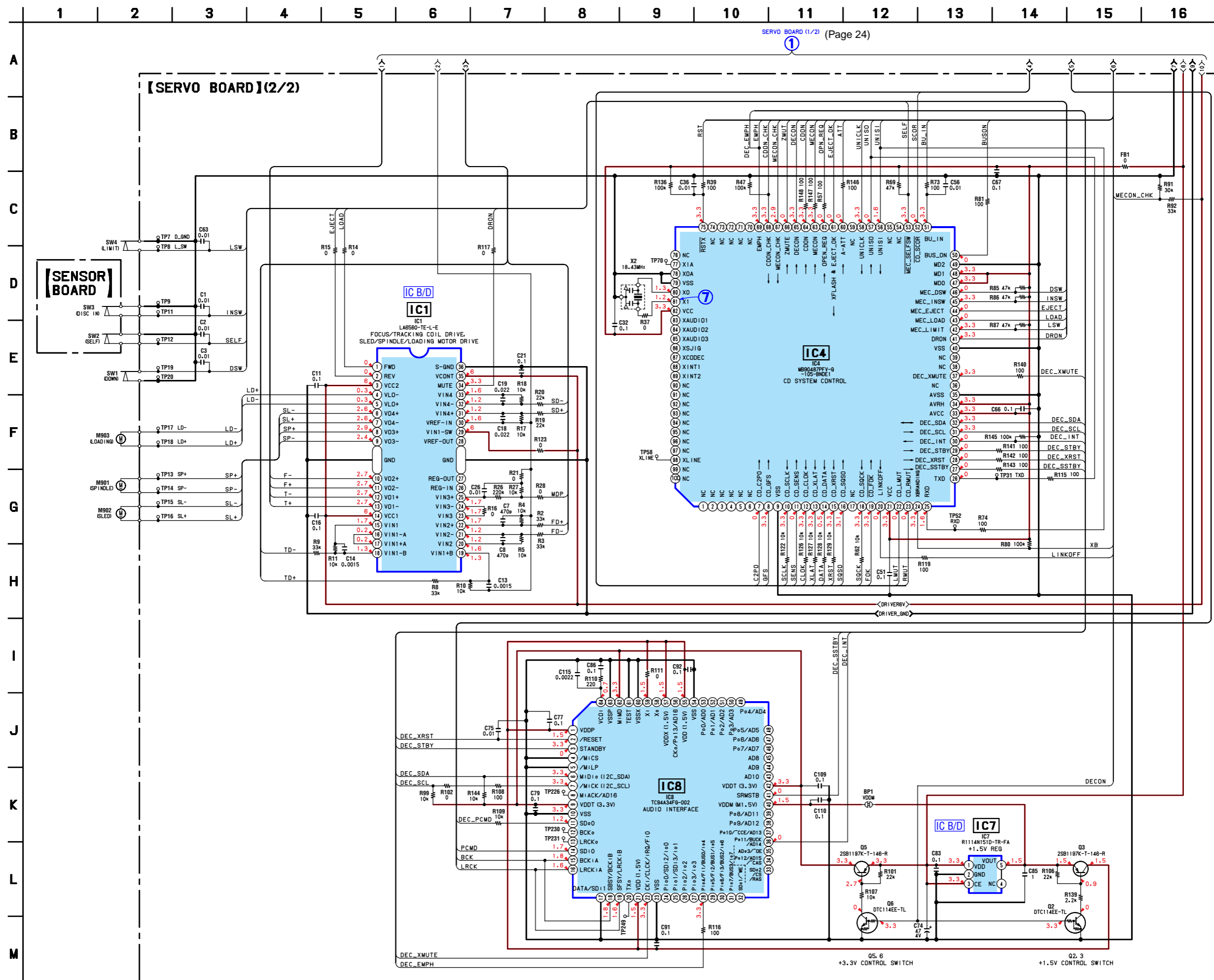


3-8. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 23 for Waveforms.

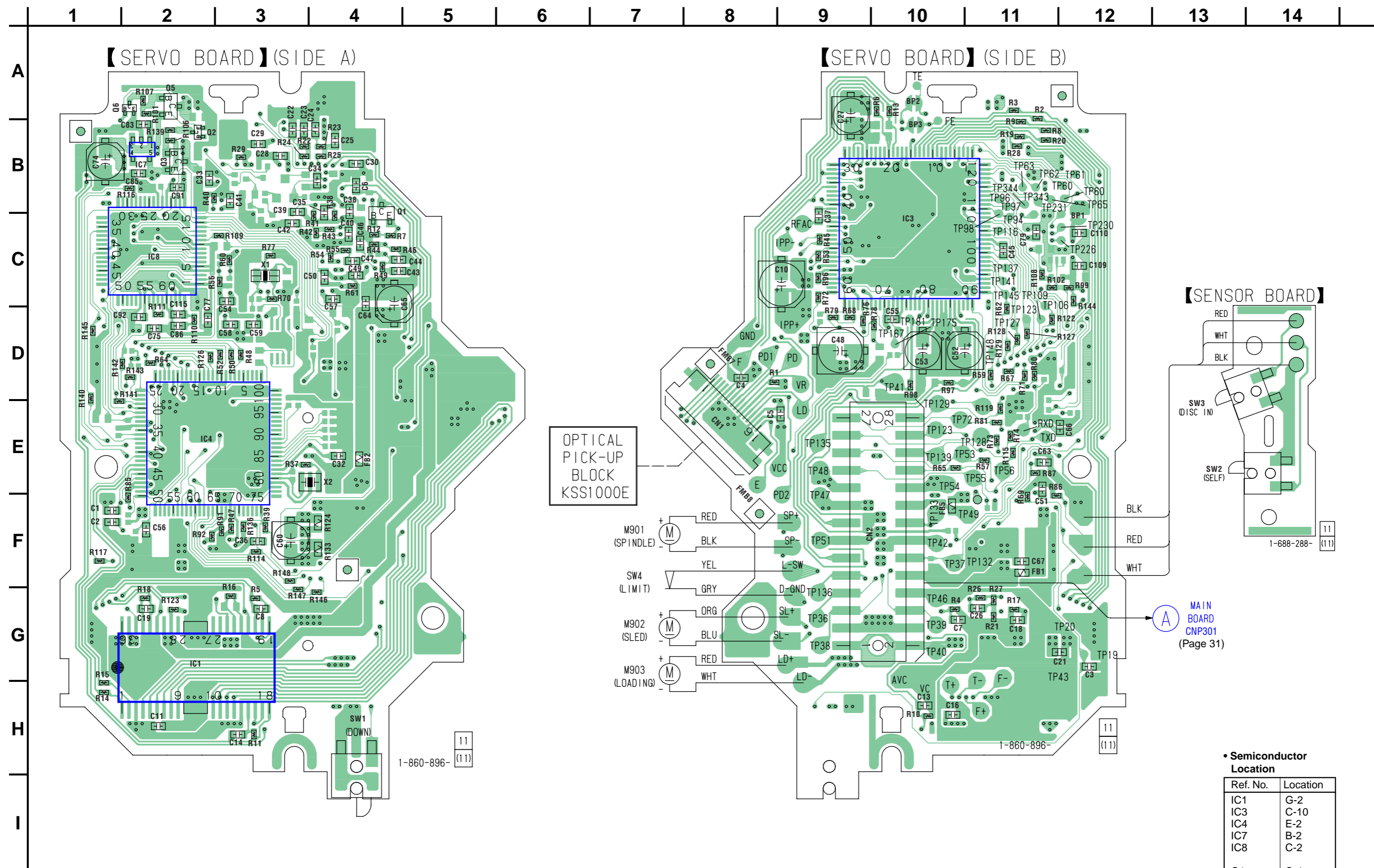


• Refer to page 23 for Waveforms.

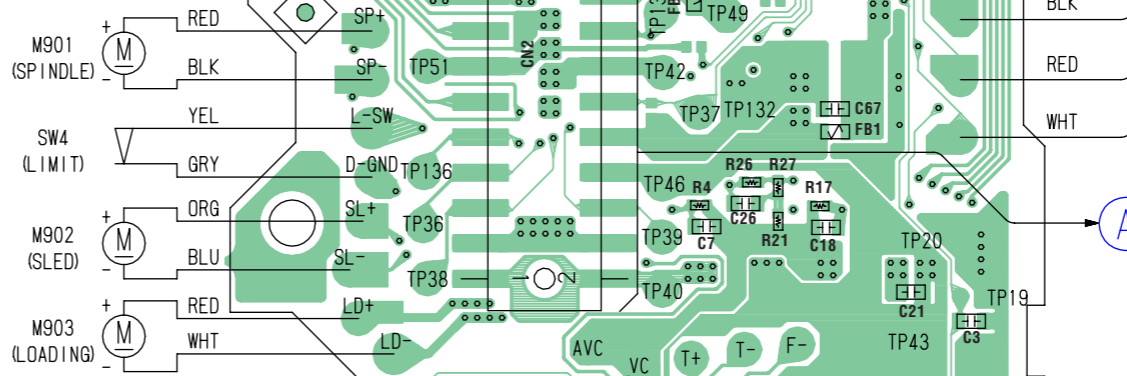
3-9. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) — • Refer to page 36 for IC Block Diagram.



3-10. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 23 for Circuit Boards Location.  : Uses unleaded solder.



OPTICAL PICK-UP BLOCK KSS1000E

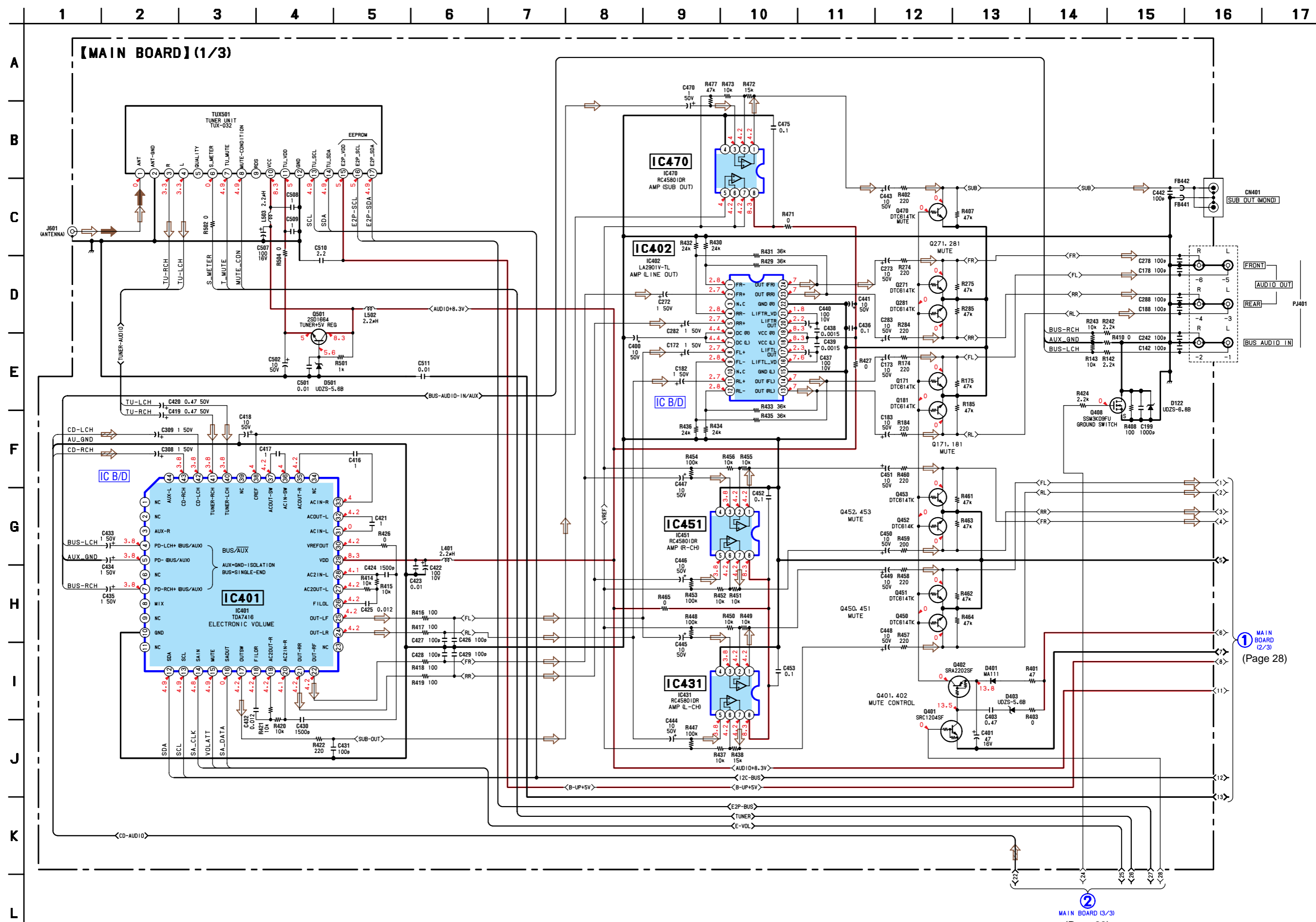


MAIN BOARD CNP301 (Page 31)

• Semiconductor Location

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

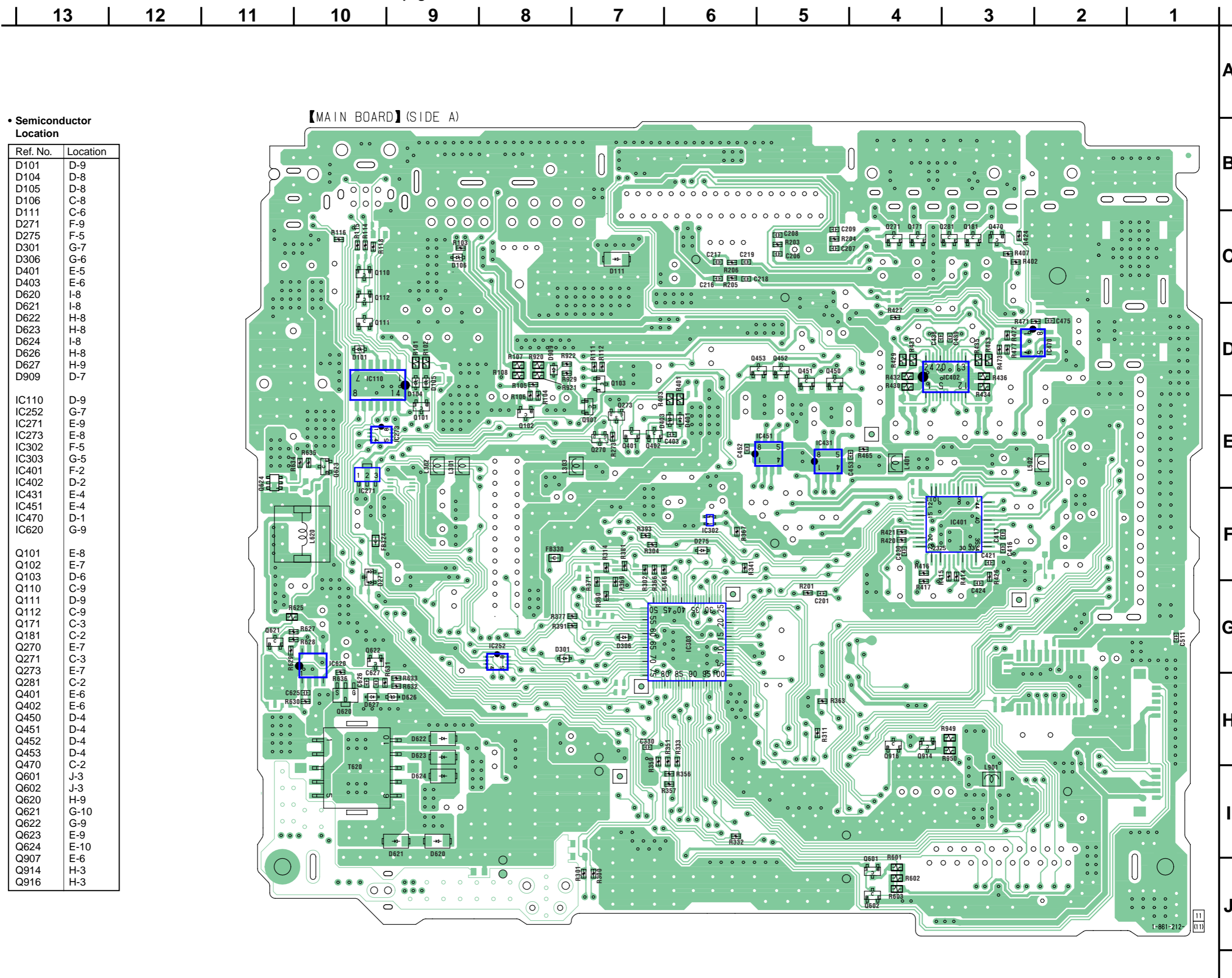
3-11. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) — • Refer to page 36 for IC Block Diagram.



① MAIN BOARD (2/3) (Page 28)

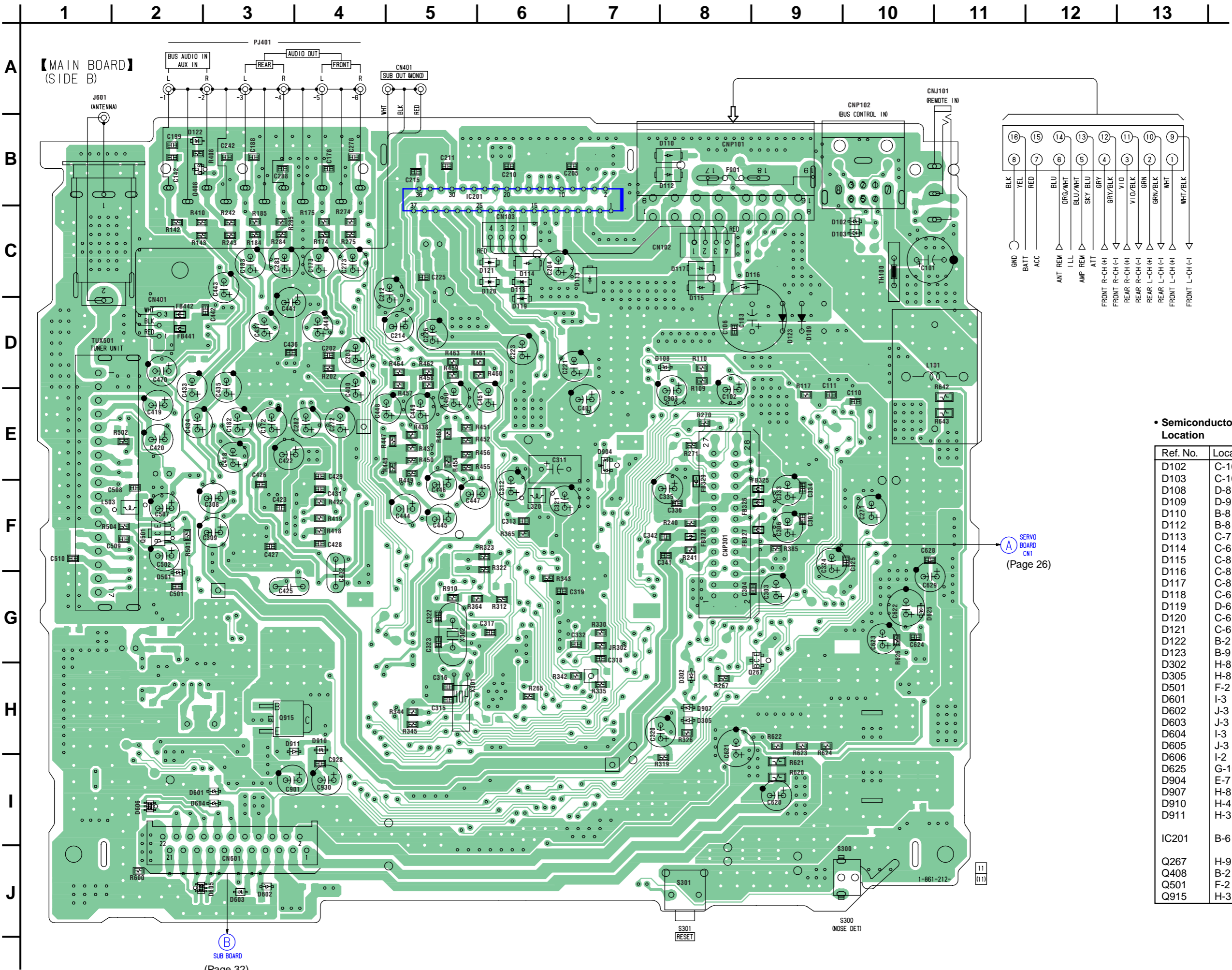
② MAIN BOARD (3/3) (Page 29)

3-14. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 23 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

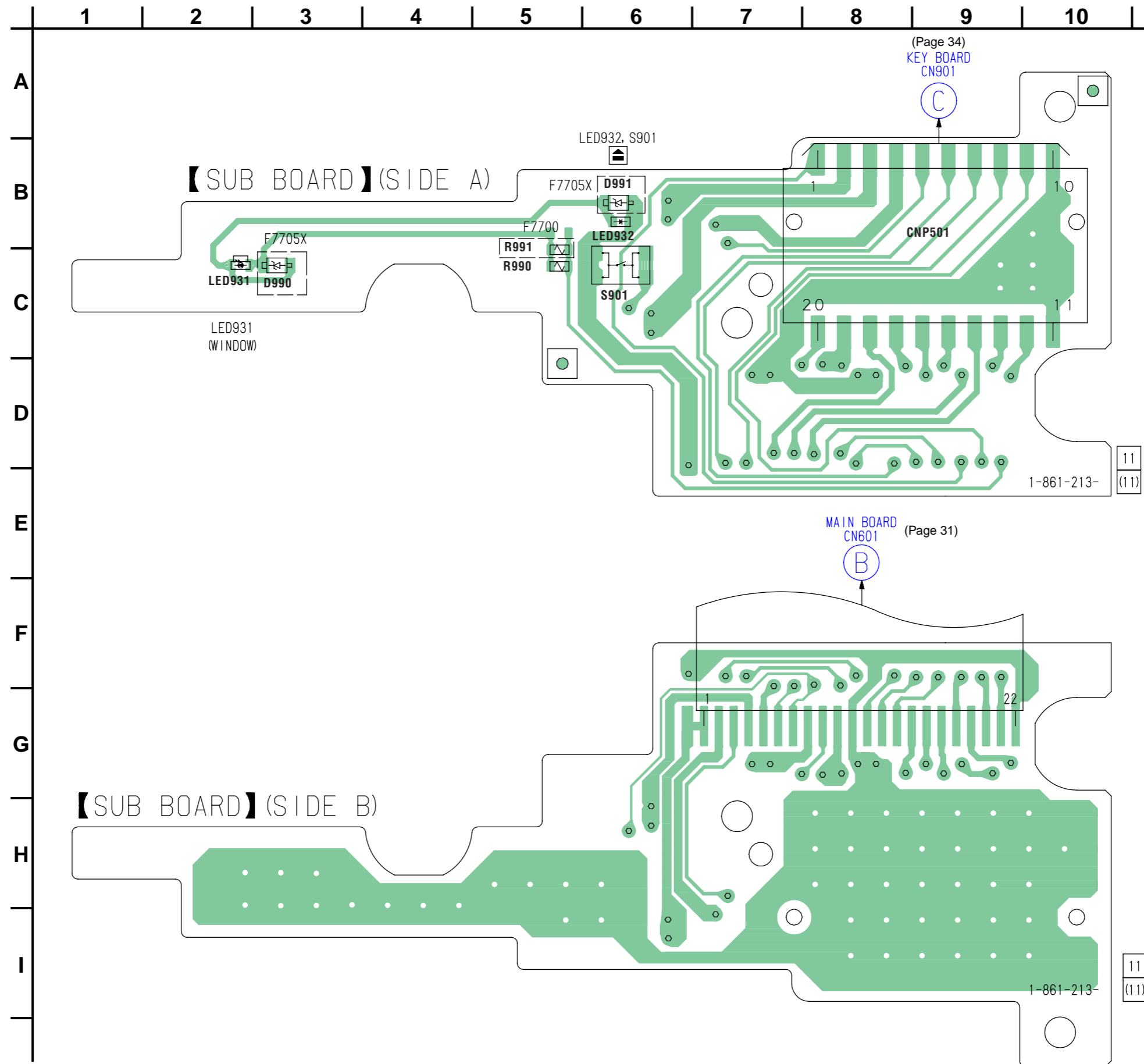
Ref. No.	Location
D101	D-9
D104	D-8
D105	D-8
D106	C-8
D111	C-6
D271	F-9
D275	F-5
D301	G-7
D306	G-6
D401	E-5
D403	E-6
D620	I-8
D621	I-8
D622	H-8
D623	H-8
D624	I-8
D626	H-8
D627	H-9
D909	D-7
IC110	D-9
IC252	G-7
IC271	E-9
IC273	E-8
IC302	F-5
IC303	G-5
IC401	F-2
IC402	D-2
IC431	E-4
IC451	E-4
IC470	D-1
IC620	G-9
Q101	E-8
Q102	E-7
Q103	D-6
Q110	C-9
Q111	D-9
Q112	C-9
Q171	C-3
Q181	C-2
Q270	E-7
Q271	C-3
Q273	E-7
Q281	C-2
Q401	E-6
Q402	E-6
Q450	D-4
Q451	D-4
Q452	D-4
Q453	D-4
Q470	C-2
Q601	J-3
Q602	J-3
Q620	H-9
Q621	G-10
Q622	G-9
Q623	E-9
Q624	E-10
Q907	E-6
Q914	H-3
Q916	H-3



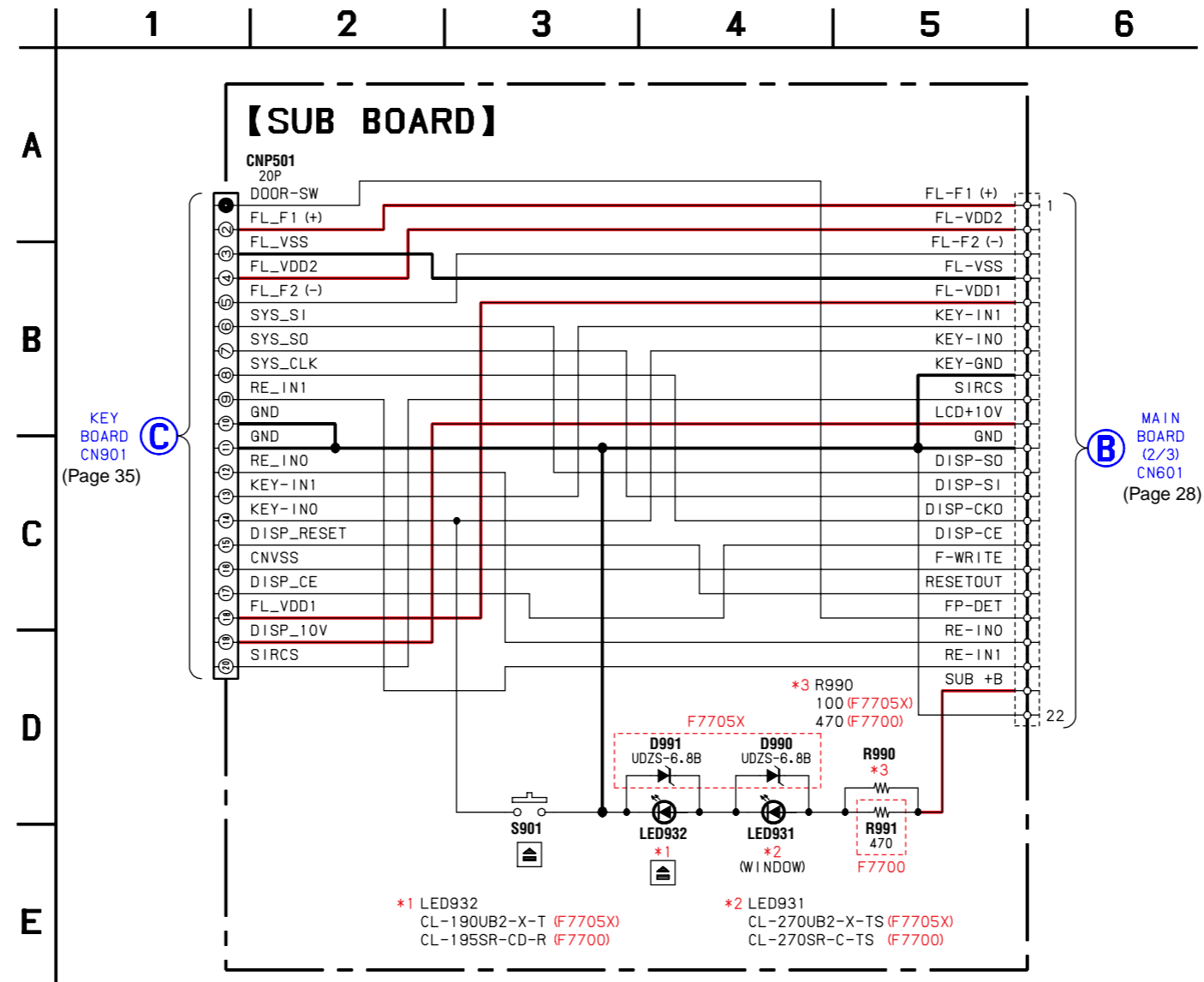
• Semiconductor Location

Ref. No.	Location
D102	C-10
D103	C-10
D108	D-8
D109	D-9
D110	B-8
D112	B-8
D113	C-7
D114	C-6
D115	C-8
D116	C-8
D117	C-8
D118	C-6
D119	D-6
D120	C-6
D122	B-2
D123	B-9
D302	H-8
D305	H-8
D501	F-

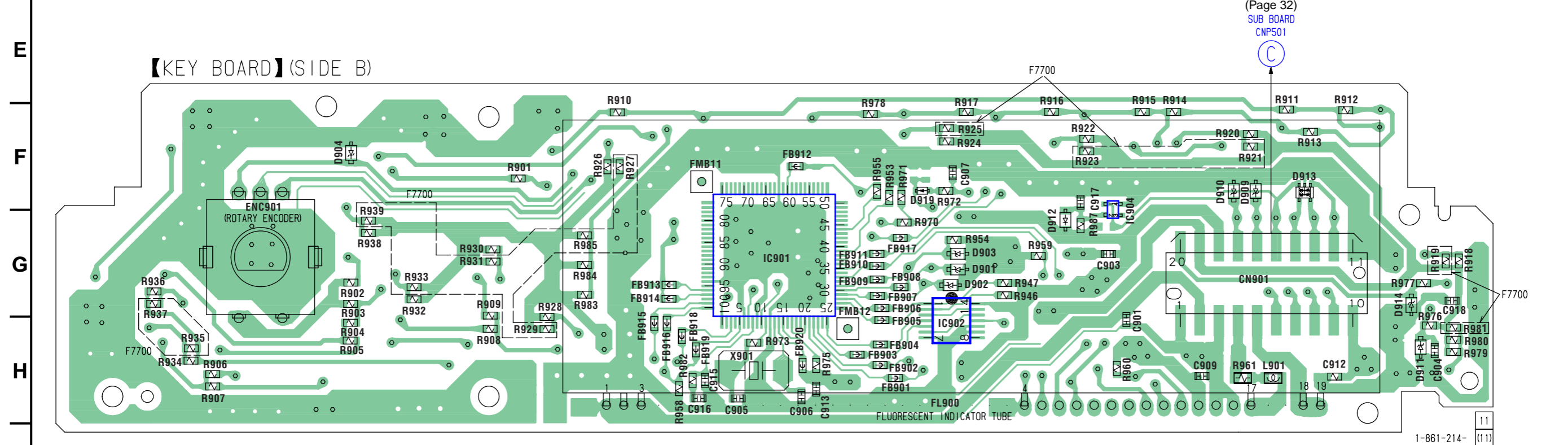
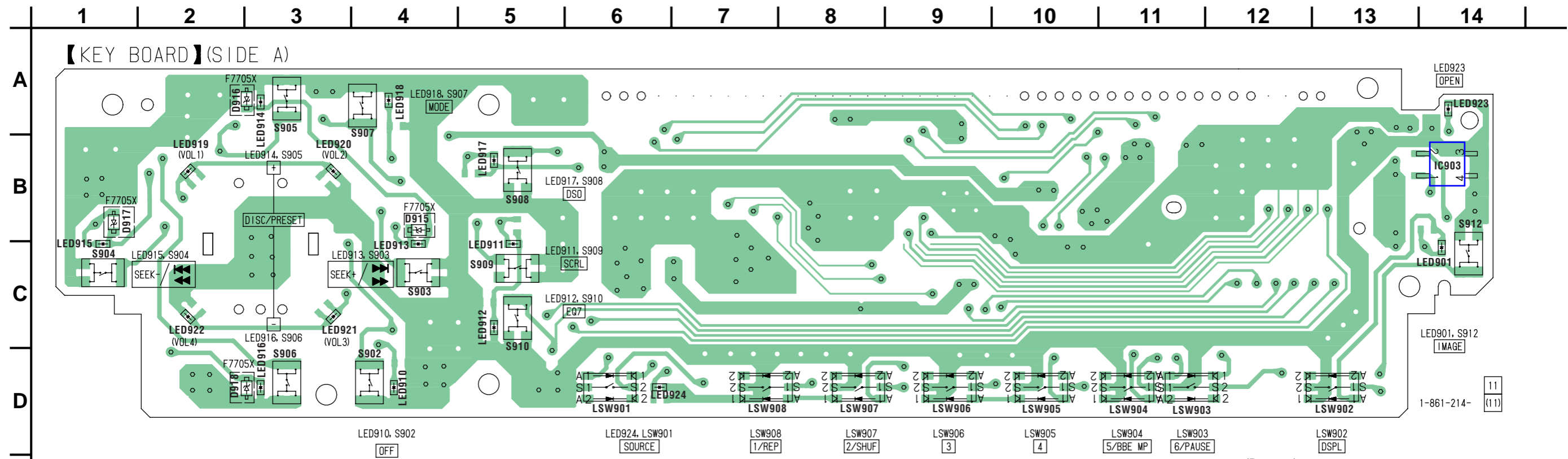
3-15. PRINTED WIRING BOARD — SUB SECTION — • Refer to page 23 for Circuit Boards Location.  : Uses unleaded solder.



3-16. SCHEMATIC DIAGRAM — SUB SECTION —



3-17. PRINTED WIRING BOARD — KEY SECTION — • Refer to page 23 for Circuit Boards Location.  : Uses unleaded solder.



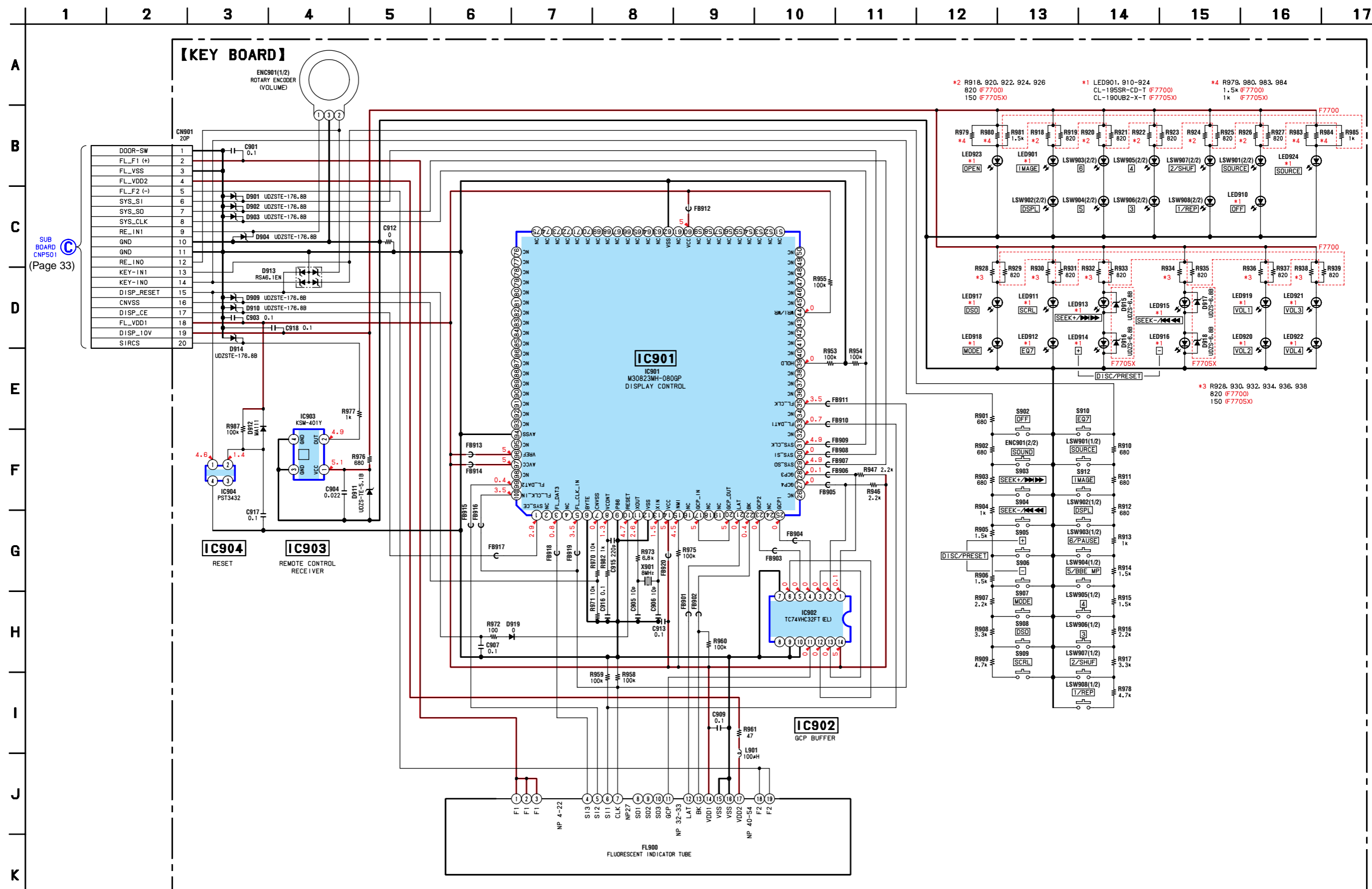
(Page 32)
SUB BOARD
CNP501
C

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D901	G-9	D913	F-12	IC901	G-7	LED912	C-5	LED920	B-3
D902	G-9	D914	G-13	IC902	H-9	LED913	C-4	LED921	C-3
D903	G-9	(D915)	B-4	IC903	B-14	LED914	A-3	LED922	C-2
D904	F-3	(D916)	A-2	IC904	F-11	LED915	C-1	LED923	A-14
D909	F-12	(D917)	B-1			LED916	D-3	LED924	D-6
D910	F-12	(D918)	D-2	LED901	C-14	LED917	B-5		
D911	H-14	D919	F-9	LED910	D-4	LED918	A-4		
D912	G-10			LED911	C-5	LED919	B-2		

() : CDX-F7705X only

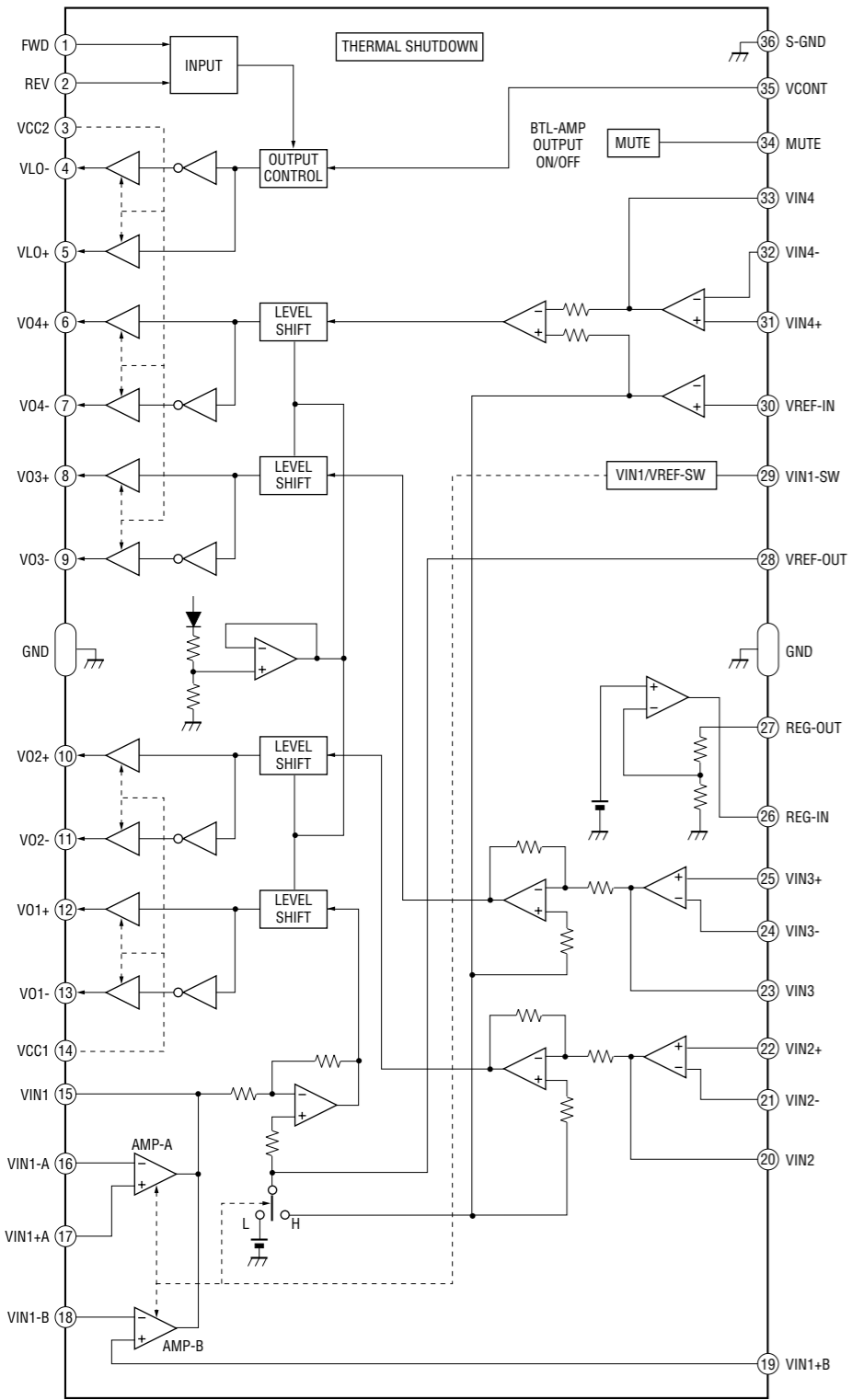
3-18. SCHEMATIC DIAGRAM — KEY SECTION —



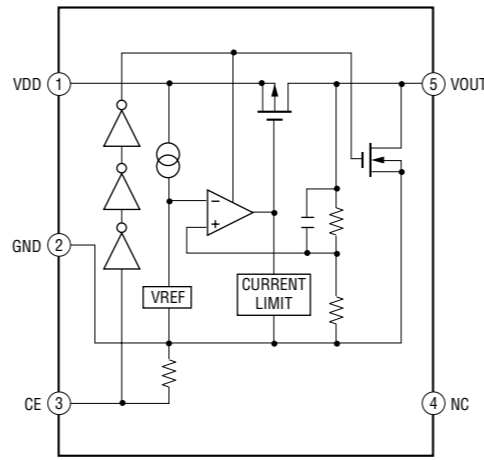
SUB BOARD CNP501 (Page 33)

3-19. IC BLOCK DIAGRAMS

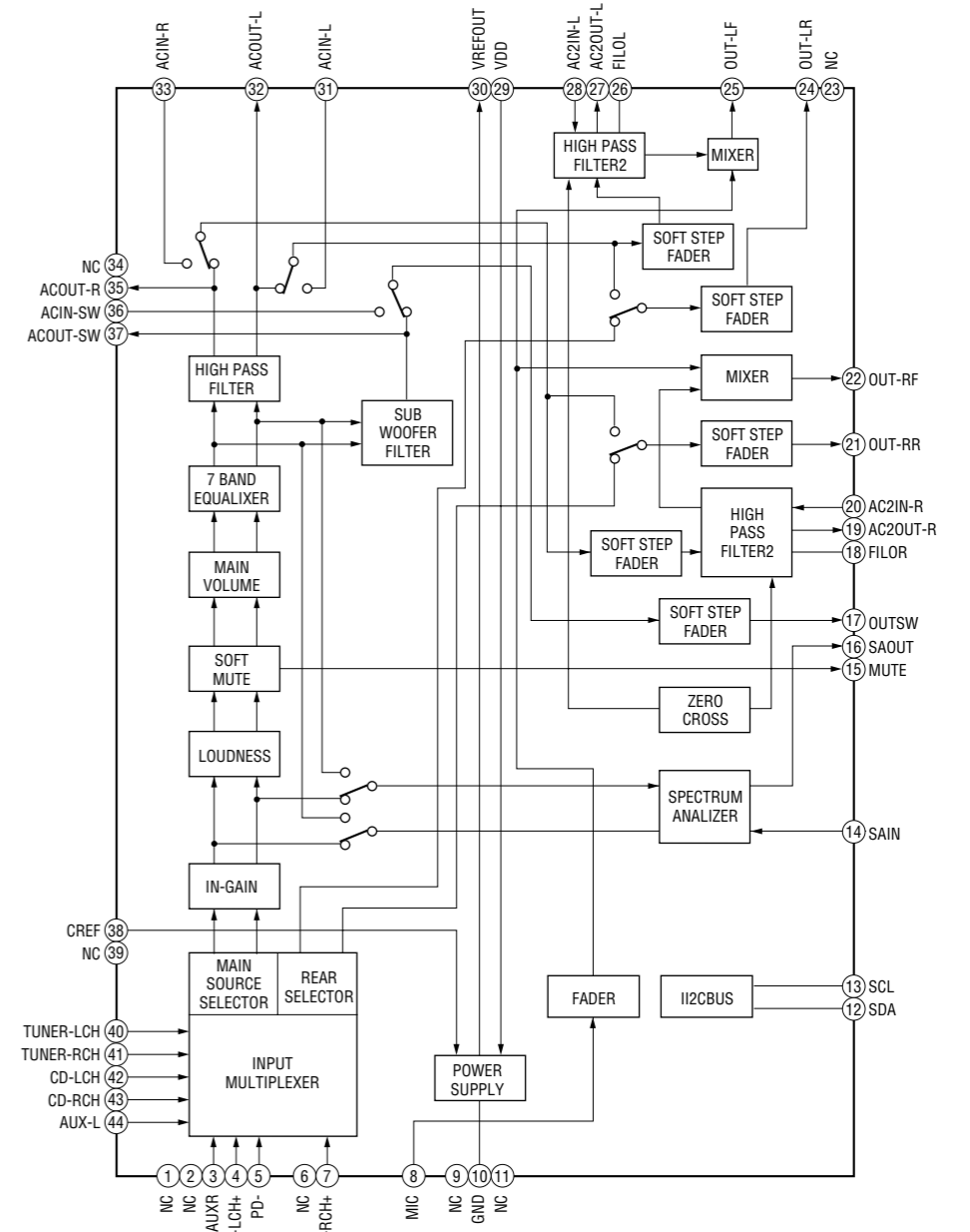
IC1 LA6560-TE-L-E (SERVO Board (2/2))



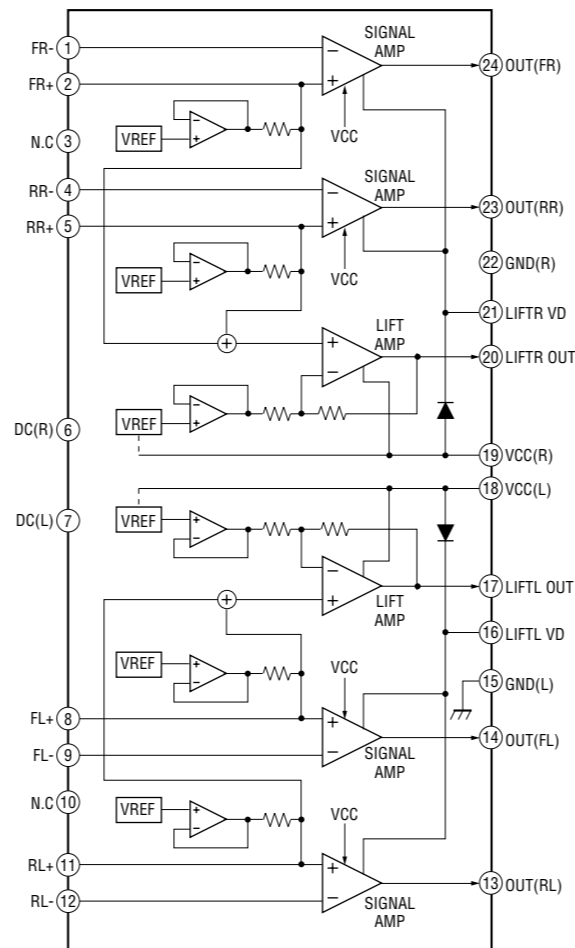
IC7 R1114N151D-TR-FA (SERVO Board (2/2))



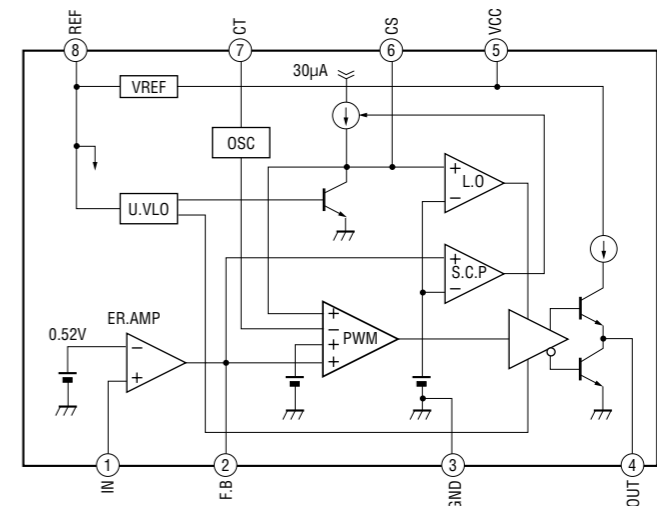
IC401 TDA7416 (MAIN Board (1/3))



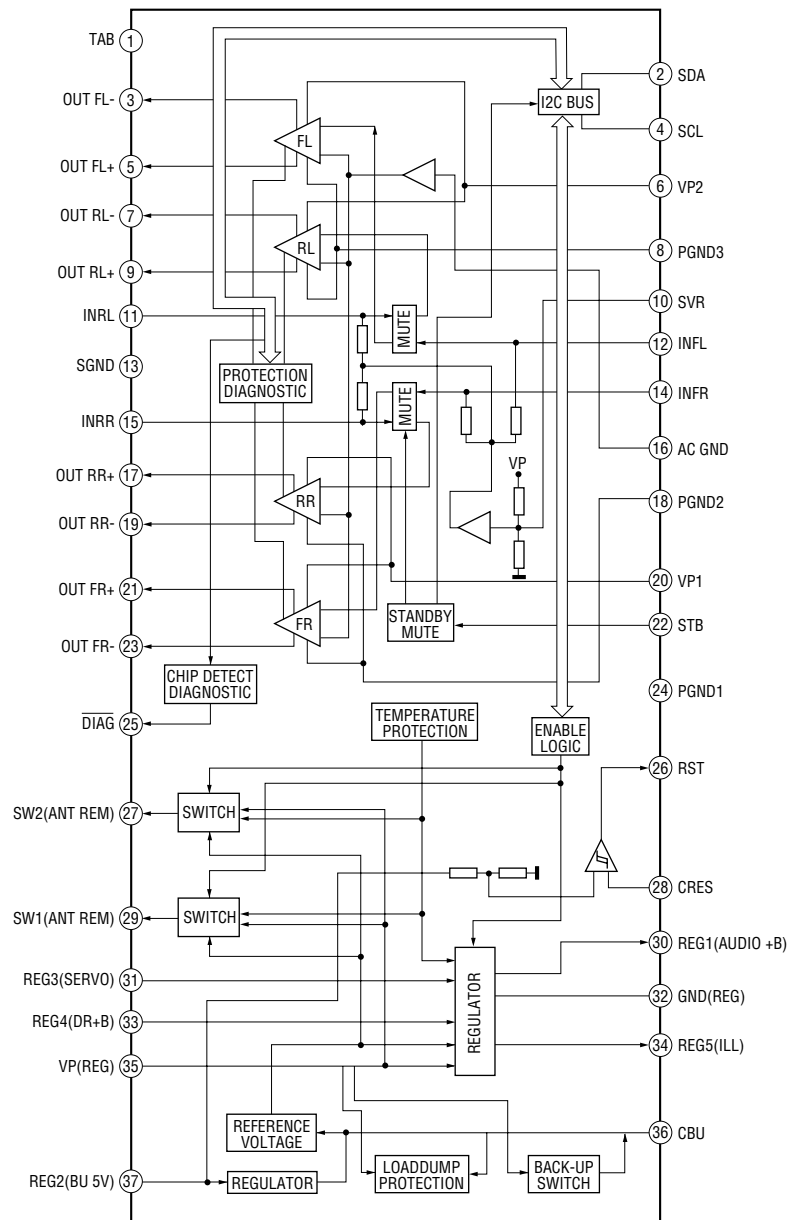
IC402 LA2901V-TL (MAIN Board (1/3))



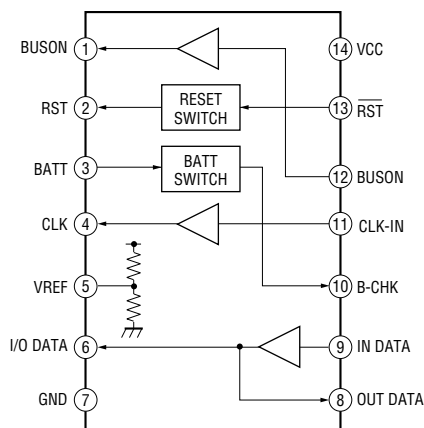
IC620 NJM2377M(TE2) (MAIN Board (2/3))



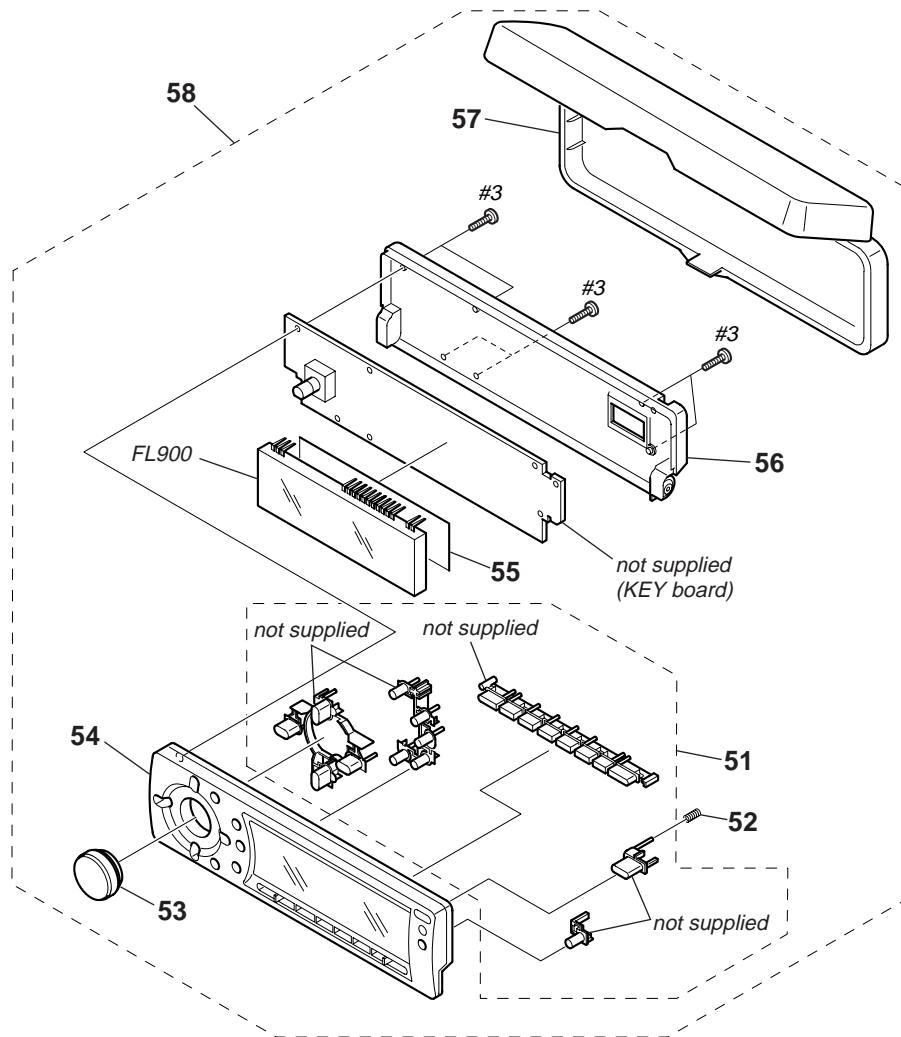
IC201 TDA8588AJ/N2 (MAIN Board (2/3))



IC110 MM1175XFF (MAIN Board (3/3))

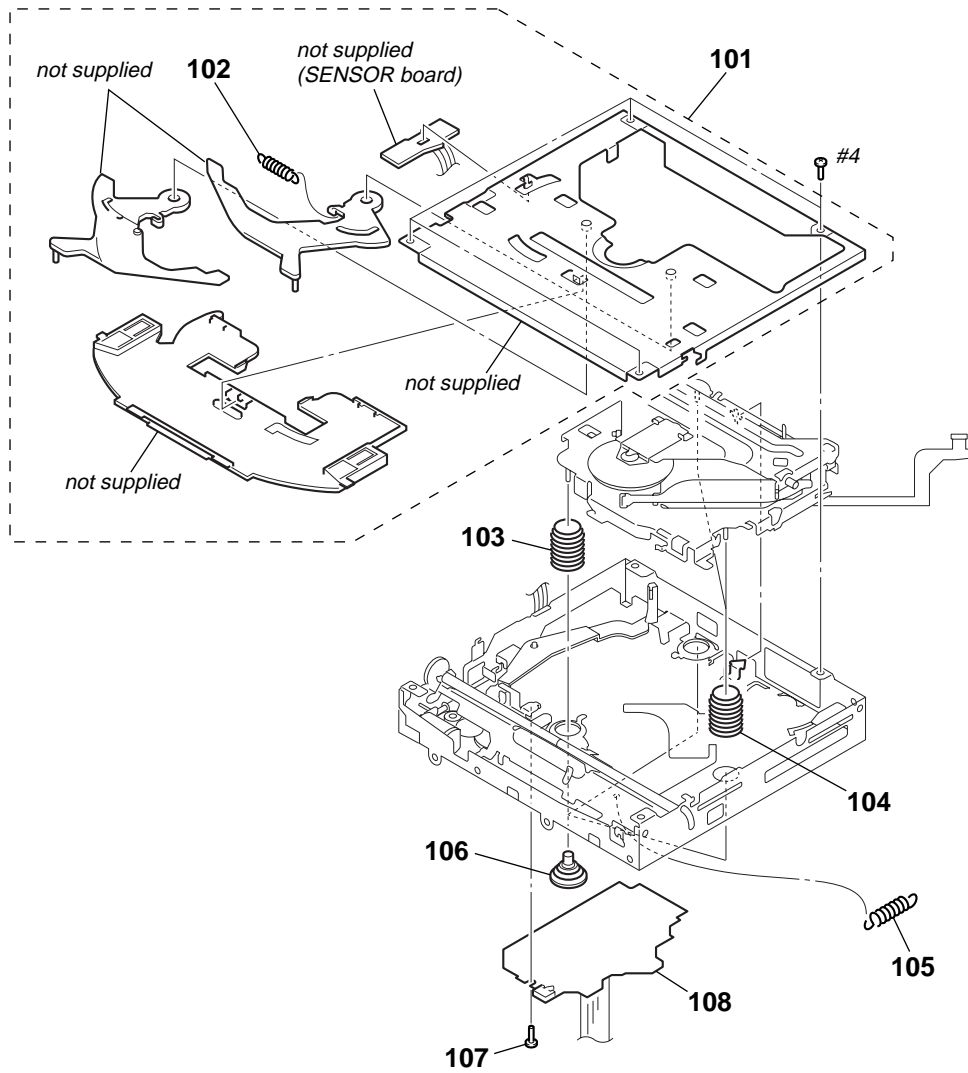


4-2. FRONT PANEL SECTION



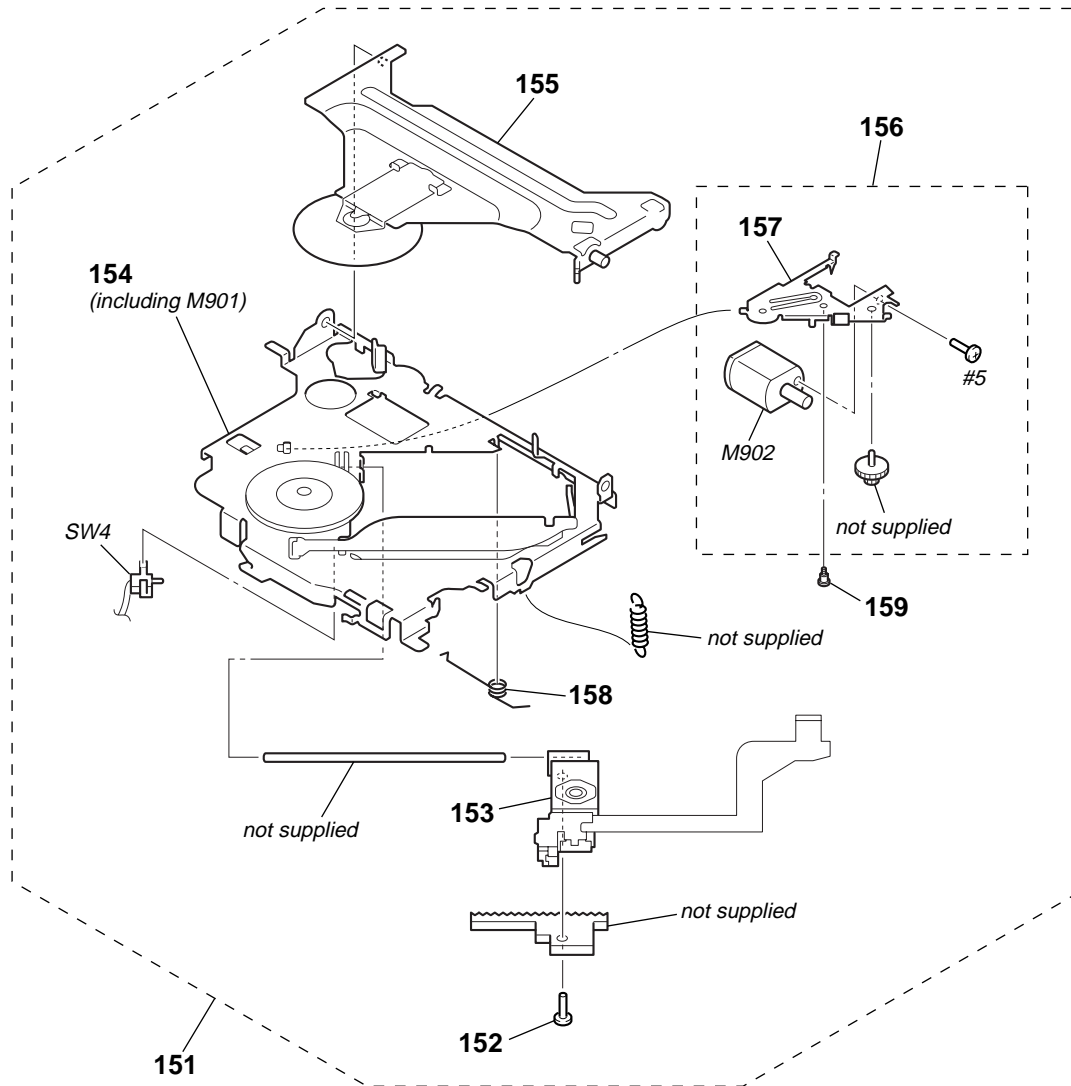
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3384-492-1	BUTTON KIT ASSY (S)		56	X-3384-495-1	PANEL ASSY, FRONT BACK	
52	3-032-321-01	SPRING (OPEN)		57	X-3378-390-3	CASE ASSY (for FRONT PANEL)	
53	X-3384-635-1	KNOB ASSY (S)		58	A-3372-622-A	PANEL COMPLETE ASSY, FRONT (F7700)	
54	X-3385-022-1	PANEL ASSY (S), FRONT (F7700)		58	A-3372-684-A	PANEL COMPLETE ASSY, FRONT (F7705X)	
54	X-3385-023-1	PANEL ASSY (S), FRONT (F7705X)		FL900	1-518-953-11	INDICATOR TUBE, FLUORESCENT	
55	3-260-341-01	SHEET (FL)		#3	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	

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



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-3372-455-A	CHASSIS (T) SUB ASSY		106	3-253-748-01	DAMPER (S)	
102	3-253-729-01	SPRING (LTR), TENSION COIL		107	3-352-758-31	SCREW (M1.7), TOOTHED LOCK	
103	3-253-746-13	SPRING (DAMPER), COMPRESSION		108	A-3283-359-A	SERVO BOARD, COMPLETE	
104	3-253-746-03	SPRING (DAMPER), COMPRESSION		#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
105	3-253-695-01	SPRING (KF), TENSION COIL					

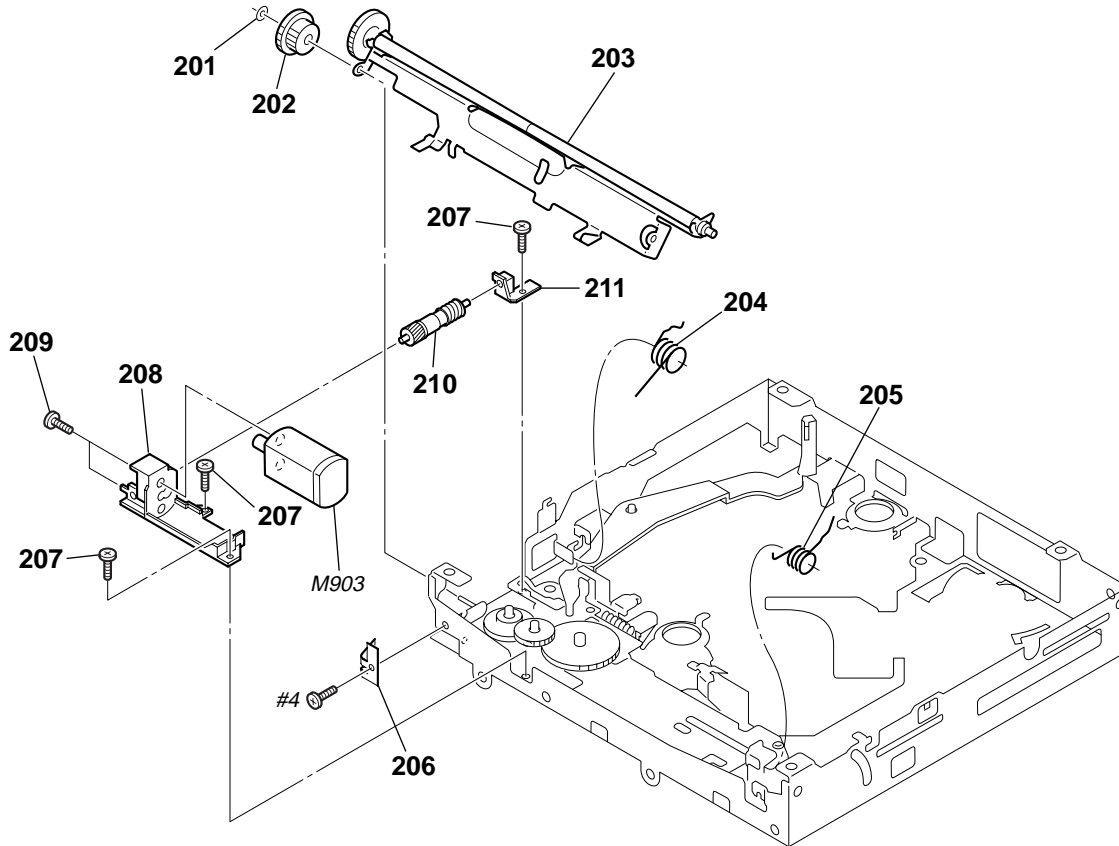
4-4. CD MECHANISM SECTION (2)
(MG-611MA-186//K)



<p>The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.</p>	<p>Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
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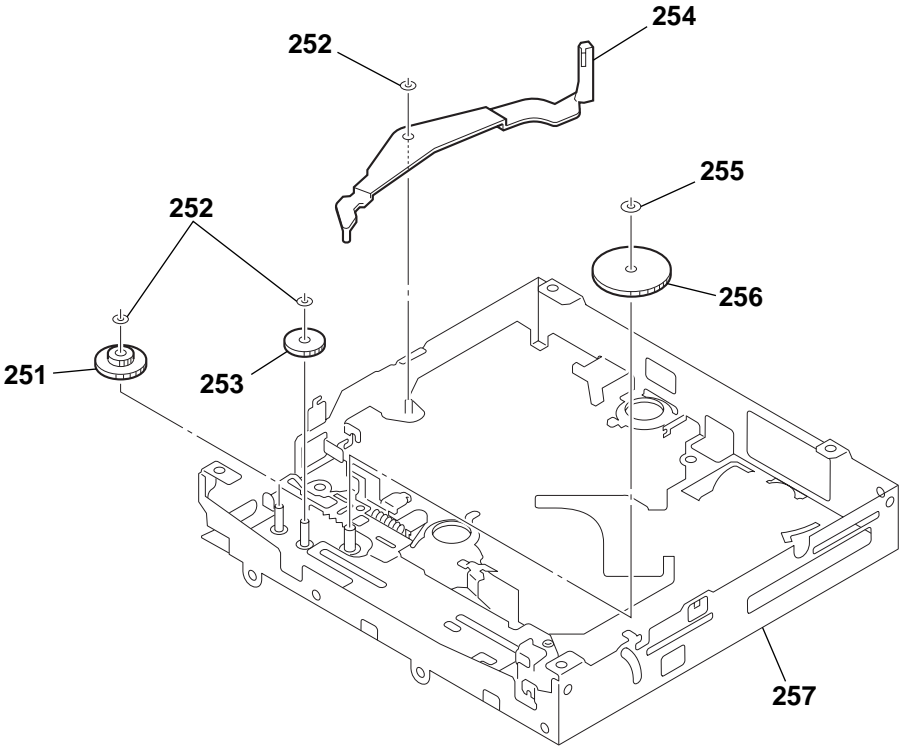
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-3337-637-A	CHASSIS (OP) COMPLETE ASSY		157	X-3383-454-2	LEVER (SL) ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING		158	3-261-959-01	SPRING (SL), TORSION	
\triangle 153	8-820-207-02	OPTICAL PICK-UP (KSS1000E/K1RP)		159	3-264-165-02	SCREW	
154	A-3337-640-A	CHASSIS (OP) SUB ASSY (including M901)		M902	A-3337-638-A	MOTOR ASSY, SL (SLED)	
155	A-3337-641-A	ARM SUB ASSY, CHUCKING		SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
156	A-3337-639-A	LEVER (SL) SUB ASSY		#5	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

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



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	3-262-755-01	WASHER (1.1-2.5)		208	3-259-467-01	BRACKET (LEM)	
202	3-259-024-01	WHEEL (RA), WORM		209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
203	A-3337-633-A	ARM ASSY, ROLLER		210	A-3372-456-A	WORM (LEB) ASSY	
204	3-259-455-02	SPRING (RAL)		211	3-259-468-01	BEARING (LEB)	
205	3-253-713-01	SPRING (RAR)		M903	A-3372-454-A	MOTOR ASSY, LE (LOADING)	
206	3-259-469-01	SPRING (LE), LEAF		#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
207	2-134-636-31	SCREW (M1.7X2.5)					

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



<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	3-259-429-01	WHEEL (LE), WORM		255	3-899-829-01	WASHER (SLIT)	
252	3-344-223-01	WASHER		256	3-259-032-01	GEAR (LE2)	
253	3-259-470-01	GEAR (LE1)		257	A-3372-453-A	CHASSIS (M) BLOCK ASSY	
254	3-253-755-01	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

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

- 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
- Abbreviation
CND : Canadian model

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

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		KEY BOARD *****				< FERRITE BEAD >	
	3-260-341-01	SHEET (FL)		FB901	1-414-760-21	INDUCTOR, FERRITE BEAD	
		< CAPACITOR >		FB902	1-414-760-21	INDUCTOR, FERRITE BEAD	
C901	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB903	1-414-760-21	INDUCTOR, FERRITE BEAD	
C903	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB904	1-414-760-21	INDUCTOR, FERRITE BEAD	
C904	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	FB905	1-414-760-21	INDUCTOR, FERRITE BEAD	
C905	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V	FB906	1-414-760-21	INDUCTOR, FERRITE BEAD	
C906	1-162-915-11	CERAMIC CHIP	10PF 0.5PF 50V	FB907	1-414-760-21	INDUCTOR, FERRITE BEAD	
C907	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB908	1-414-760-21	INDUCTOR, FERRITE BEAD	
C909	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB909	1-414-760-21	INDUCTOR, FERRITE BEAD	
C912	1-216-864-11	METAL CHIP	0 5% 1/10W	FB910	1-414-760-21	INDUCTOR, FERRITE BEAD	
C913	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB911	1-414-760-21	INDUCTOR, FERRITE BEAD	
C915	1-164-230-11	CERAMIC CHIP	220PF 5% 50V	FB912	1-414-760-21	INDUCTOR, FERRITE BEAD	
C916	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB913	1-414-760-21	INDUCTOR, FERRITE BEAD	
C917	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB914	1-414-760-21	INDUCTOR, FERRITE BEAD	
C918	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB915	1-414-760-21	INDUCTOR, FERRITE BEAD	
		< CONNECTOR >		FB916	1-414-760-21	INDUCTOR, FERRITE BEAD	
CN901	1-818-141-11	PLUG, CONNECTOR 20P		FB917	1-414-760-21	INDUCTOR, FERRITE BEAD	
		< DIODE >		FB918	1-414-760-21	INDUCTOR, FERRITE BEAD	
D901	8-719-978-33	DIODE DTZ-TT11-6.8B		FB919	1-414-760-21	INDUCTOR, FERRITE BEAD	
D902	8-719-978-33	DIODE DTZ-TT11-6.8B		FB920	1-414-760-21	INDUCTOR, FERRITE BEAD	
D903	8-719-978-33	DIODE DTZ-TT11-6.8B				< FLUORESCENT INDICATOR >	
D904	8-719-978-33	DIODE DTZ-TT11-6.8B		FL900	1-518-953-11	INDICATOR TUBE, FLUORESCENT	
D909	8-719-978-33	DIODE DTZ-TT11-6.8B				< IC >	
D910	8-719-978-33	DIODE DTZ-TT11-6.8B		IC901	6-803-991-01	IC M30823MH-080GP	
D911	8-719-069-54	DIODE UDZS-TE17-5.1B		IC902	8-759-523-94	IC TC74VHC32FT(EL)	
D912	8-719-404-50	DIODE MA111-TX		IC903	6-600-321-01	IC KSM-401Y (IR)	
D913	6-500-886-01	DIODE RSA6.1ENTR		IC904	8-759-658-25	IC PST3432UL	
D914	8-719-978-33	DIODE DTZ-TT11-6.8B				< COIL >	
D915	8-719-978-33	DIODE DTZ-TT11-6.8B (F7705X)		L901	1-469-847-11	INDUCTOR 100uH	
D916	8-719-978-33	DIODE DTZ-TT11-6.8B (F7705X)				< DIODE >	
D917	8-719-978-33	DIODE DTZ-TT11-6.8B (F7705X)		LED901	6-500-204-01	LED CL-190UB2-X-T (IMAGE) (F7705X)	
D918	8-719-978-33	DIODE DTZ-TT11-6.8B (F7705X)		LED901	6-500-450-01	LED CL-195SR-CD-T (IMAGE) (F7700)	
D919	1-216-864-11	METAL CHIP	0 5% 1/10W	LED910	6-500-204-01	LED CL-190UB2-X-T (OFF) (F7705X)	
		< ROTARY ENCODER >		LED910	6-500-450-01	LED CL-195SR-CD-T (OFF) (F7700)	
ENC901	1-478-474-11	ENCODER, ROTARY (VOLUME/PUSH SOUND)		LED911	6-500-204-01	LED CL-190UB2-X-T (SCRL) (F7705X)	
				LED911	6-500-450-01	LED CL-195SR-CD-T (SCRL) (F7700)	
				LED912	6-500-204-01	LED CL-190UB2-X-T (EQ7) (F7705X)	
				LED912	6-500-450-01	LED CL-195SR-CD-T (EQ7) (F7700)	

KEY

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
LED913	6-500-204-01	LED CL-190UB2-X-T (SEEK +/▶▶▶▶▶▶)	(F7705X)			< RESISTOR >	
LED913	6-500-450-01	LED CL-195SR-CD-T (SEEK +/▶▶▶▶▶▶)	(F7700)	R901	1-219-286-11	RES-CHIP 680	2% 1/16W
LED914	6-500-204-01	LED CL-190UB2-X-T (DISC/PRESET +)	(F7705X)	R902	1-219-286-11	RES-CHIP 680	2% 1/16W
LED914	6-500-450-01	LED CL-195SR-CD-T (DISC/PRESET +)	(F7700)	R903	1-219-286-11	RES-CHIP 680	2% 1/16W
LED915	6-500-204-01	LED CL-190UB2-X-T (SEEK -/▶▶▶▶▶▶)	(F7705X)	R904	1-218-847-11	RES-CHIP 1K	2% 1/16W
LED915	6-500-450-01	LED CL-195SR-CD-T (SEEK -/▶▶▶▶▶▶)	(F7700)	R905	1-218-851-11	RES-CHIP 1.5K	2% 1/16W
LED916	6-500-204-01	LED CL-190UB2-X-T (DISC/PRESET -)	(F7705X)	R906	1-218-851-11	RES-CHIP 1.5K	2% 1/16W
LED916	6-500-450-01	LED CL-195SR-CD-T (DISC/PRESET -)	(F7700)	R907	1-218-855-11	RES-CHIP 2.2K	2% 1/16W
LED917	6-500-204-01	LED CL-190UB2-X-T (DSO) (F7705X)		R908	1-218-859-11	RES-CHIP 3.3K	2% 1/16W
LED917	6-500-450-01	LED CL-195SR-CD-T (DSO) (F7700)		R909	1-218-863-11	RES-CHIP 4.7K	2% 1/16W
LED918	6-500-204-01	LED CL-190UB2-X-T (MODE) (F7705X)		R910	1-219-286-11	RES-CHIP 680	2% 1/16W
LED918	6-500-450-01	LED CL-195SR-CD-T (MODE) (F7700)		R911	1-219-286-11	RES-CHIP 680	2% 1/16W
LED919	6-500-204-01	LED CL-190UB2-X-T (VOL1) (F7705X)		R912	1-219-286-11	RES-CHIP 680	2% 1/16W
LED919	6-500-450-01	LED CL-195SR-CD-T (VOL1) (F7700)		R913	1-218-847-11	RES-CHIP 1K	2% 1/16W
LED920	6-500-204-01	LED CL-190UB2-X-T (VOL2) (F7705X)		R914	1-218-851-11	RES-CHIP 1.5K	2% 1/16W
LED920	6-500-450-01	LED CL-195SR-CD-T (VOL2) (F7700)		R915	1-218-851-11	RES-CHIP 1.5K	2% 1/16W
LED921	6-500-204-01	LED CL-190UB2-X-T (VOL3) (F7705X)		R916	1-218-855-11	RES-CHIP 2.2K	2% 1/16W
LED921	6-500-450-01	LED CL-195SR-CD-T (VOL3) (F7700)		R917	1-218-859-11	RES-CHIP 3.3K	2% 1/16W
LED922	6-500-204-01	LED CL-190UB2-X-T (VOL4) (F7705X)		R918	1-216-811-11	METAL CHIP 150	5% 1/10W (F7705X)
LED922	6-500-450-01	LED CL-195SR-CD-T (VOL4) (F7700)		R918	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LED923	6-500-204-01	LED CL-190UB2-X-T (OPEN) (F7705X)		R919	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LED923	6-500-450-01	LED CL-195SR-CD-T (OPEN) (F7700)		R920	1-216-811-11	METAL CHIP 150	5% 1/10W (F7705X)
LED924	6-500-204-01	LED CL-190UB2-X-T (SOURCE) (F7705X)		R920	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LED924	6-500-450-01	LED CL-195SR-CD-T (SOURCE) (F7700)		R921	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
		< SWITCH >		R922	1-216-811-11	METAL CHIP 150	5% 1/10W (F7705X)
LSW901	1-771-883-31	SWITCH, TACTILE (WITH LED) (SOURCE)	(F7700)	R922	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW901	1-786-711-31	SWITCH, TACTILE (WITH LED) (SOURCE)	(F7705X)	R923	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW902	1-771-883-31	SWITCH, TACTILE (WITH LED) (DSPL) (F7700)		R924	1-216-811-11	METAL CHIP 150	5% 1/10W (F7705X)
LSW902	1-786-711-31	SWITCH, TACTILE (WITH LED) (DSPL)	(F7705X)	R924	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW903	1-771-883-31	SWITCH, TACTILE (WITH LED) (6/PAUSE)	(F7700)	R925	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW903	1-786-711-31	SWITCH, TACTILE (WITH LED) (6/PAUSE)	(F7705X)	R926	1-216-811-11	METAL CHIP 150	5% 1/10W (F7705X)
LSW904	1-771-883-31	SWITCH, TACTILE (WITH LED) (5/BBE MP)	(F7700)	R926	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW904	1-786-711-31	SWITCH, TACTILE (WITH LED) (5/BBE MP)	(F7705X)	R927	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW905	1-771-883-31	SWITCH, TACTILE (WITH LED) (4) (F7700)		R928	1-216-811-11	METAL CHIP 150	5% 1/10W (F7705X)
LSW905	1-786-711-31	SWITCH, TACTILE (WITH LED) (4) (F7705X)		R928	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW906	1-771-883-31	SWITCH, TACTILE (WITH LED) (3) (F7700)		R929	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW906	1-786-711-31	SWITCH, TACTILE (WITH LED) (3) (F7705X)		R930	1-216-811-11	METAL CHIP 150	5% 1/10W (F7705X)
LSW907	1-771-883-31	SWITCH, TACTILE (WITH LED) (2/SHUF)	(F7700)	R930	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW907	1-786-711-31	SWITCH, TACTILE (WITH LED) (2/SHUF)	(F7705X)	R931	1-216-820-11	METAL CHIP 820	5% 1/10W (F7700)
LSW908	1-771-883-31	SWITCH, TACTILE (WITH LED) (1/REP) (F7700)					
LSW908	1-786-711-31	SWITCH, TACTILE (WITH LED) (1/REP)	(F7705X)				

CDX-F7700/F7705X

KEY **MAIN**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R932	1-216-811-11	METAL CHIP	150 5% 1/10W (F7705X)	R985	1-216-821-11	METAL CHIP 1K 5% 1/10W (F7700)	
R932	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)	R987	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R933	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)			< SWITCH >	
R934	1-216-811-11	METAL CHIP	150 5% 1/10W (F7705X)	S902	1-771-884-31	SWITCH, TACTILE (OFF)	
R934	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)	S903	1-771-884-31	SWITCH, TACTILE (SEEK +/▶▶▶/▶▶▶)	
R935	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)	S904	1-771-884-31	SWITCH, TACTILE (SEEK -/◀◀◀/◀◀◀)	
R936	1-216-811-11	METAL CHIP	150 5% 1/10W (F7705X)	S905	1-771-884-31	SWITCH, TACTILE (DISC/PRESET +)	
R936	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)	S906	1-771-884-31	SWITCH, TACTILE (DISC/PRESET -)	
R937	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)	S907	1-771-884-31	SWITCH, TACTILE (MODE)	
R938	1-216-811-11	METAL CHIP	150 5% 1/10W (F7705X)	S908	1-771-884-31	SWITCH, TACTILE (DSO)	
R938	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)	S909	1-771-884-31	SWITCH, TACTILE (SCRL)	
R939	1-216-820-11	METAL CHIP	820 5% 1/10W (F7700)	S910	1-771-884-31	SWITCH, TACTILE (EQ7)	
R946	1-218-855-11	RES-CHIP	2.2K 2% 1/16W	S912	1-771-884-31	SWITCH, TACTILE (IMAGE)	
R947	1-218-855-11	RES-CHIP	2.2K 2% 1/16W			< VIBRATOR >	
R953	1-216-845-11	METAL CHIP	100K 5% 1/10W	X901	1-831-250-11	VIBRATOR, CRYSTAL (8MHz)	
R954	1-216-845-11	METAL CHIP	100K 5% 1/10W	*****			
R955	1-216-845-11	METAL CHIP	100K 5% 1/10W	A-3283-442-A	MAIN BOARD, COMPLETE		
R958	1-216-845-11	METAL CHIP	100K 5% 1/10W	*****			
R959	1-216-845-11	METAL CHIP	100K 5% 1/10W	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT		
R960	1-216-845-11	METAL CHIP	100K 5% 1/10W	7-685-793-09	SCREW +PTT 2.6X8 (S)		
R961	1-216-017-11	RES-CHIP	47 5% 1/10W	7-685-795-09	SCREW +PTT 2.6X12 (S)		
R962	1-216-017-11	RES-CHIP	47 5% 1/10W			< CAPACITOR >	
R970	1-216-833-11	METAL CHIP	10K 5% 1/10W	C101	1-126-940-11	ELECT 330uF 20% 16V	
R971	1-216-833-11	METAL CHIP	10K 5% 1/10W	C102	1-126-960-11	ELECT 1uF 20% 50V	
R972	1-216-809-11	METAL CHIP	100 5% 1/10W	C103	1-131-868-81	ELECT 3300uF 20% 16V	
R973	1-216-832-11	METAL CHIP	6.8K 5% 1/10W	C106	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V	
R975	1-216-845-11	METAL CHIP	100K 5% 1/10W	C110	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
R976	1-216-819-11	METAL CHIP	680 5% 1/10W	C111	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
R977	1-216-821-11	METAL CHIP	1K 5% 1/10W	C142	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
R978	1-218-863-11	RES-CHIP	4.7K 2% 1/16W	C172	1-124-717-85	ELECT 1uF 20% 50V	
R979	1-216-821-11	METAL CHIP	1K 5% 1/10W (F7705X)	C173	1-124-721-85	ELECT 10uF 20% 50V	
R979	1-216-823-11	METAL CHIP	1.5K 5% 1/10W (F7700)	C178	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
R980	1-216-821-11	METAL CHIP	1K 5% 1/10W (F7705X)	C182	1-124-717-85	ELECT 1uF 20% 50V	
R980	1-216-823-11	METAL CHIP	1.5K 5% 1/10W (F7700)	C183	1-124-721-85	ELECT 10uF 20% 50V	
R981	1-216-823-11	METAL CHIP	1.5K 5% 1/10W (F7700)	C188	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
R982	1-216-821-11	METAL CHIP	1K 5% 1/10W	C199	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
R983	1-216-821-11	METAL CHIP	1K 5% 1/10W (F7705X)	C201	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	
R983	1-216-823-11	METAL CHIP	1.5K 5% 1/10W (F7700)	C202	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
R984	1-216-821-11	METAL CHIP	1K 5% 1/10W (F7705X)	C203	1-126-961-11	ELECT 2.2uF 20% 50V	
R984	1-216-823-11	METAL CHIP	1.5K 5% 1/10W (F7700)	C204	1-124-695-85	ELECT 22uF 20% 25V	
				C205	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V	
				C206	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	
				C207	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	
				C208	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C209	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C210	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V	
				C211	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
				C212	1-126-964-11	ELECT 10uF 20% 50V	
				C214	1-126-964-11	ELECT 10uF 20% 50V	
				C215	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V	
				C216	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C217	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
				C218	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C219	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V	C430	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C221	1-126-933-11	ELECT	100uF 20% 16V	C431	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C223	1-126-964-11	ELECT	10uF 20% 50V	C432	1-136-154-00	FILM	0.012uF 5% 50V
C225	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	C433	1-126-960-11	ELECT	1uF 20% 50V
C226	1-126-964-11	ELECT	10uF 20% 50V	C434	1-126-960-11	ELECT	1uF 20% 50V
C242	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C435	1-126-960-11	ELECT	1uF 20% 50V
C271	1-126-964-11	ELECT	10uF 20% 50V	C436	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C272	1-124-717-85	ELECT	1uF 20% 50V	C437	1-124-673-85	ELECT	100uF 20% 10V
C273	1-124-721-85	ELECT	10uF 20% 50V	C438	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C278	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C439	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C282	1-124-717-85	ELECT	1uF 20% 50V	C440	1-124-673-85	ELECT	100uF 20% 10V
C283	1-124-721-85	ELECT	10uF 20% 50V	C441	1-124-721-85	ELECT	10uF 20% 50V
C288	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C442	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C303	1-126-933-11	ELECT	100uF 20% 16V	C443	1-126-964-11	ELECT	10uF 20% 50V
C304	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C444	1-124-721-85	ELECT	10uF 20% 50V
C306	1-126-933-11	ELECT	100uF 20% 16V	C445	1-124-721-85	ELECT	10uF 20% 50V
C307	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C446	1-124-721-85	ELECT	10uF 20% 50V
C308	1-124-717-85	ELECT	1uF 20% 50V	C447	1-124-721-85	ELECT	10uF 20% 50V
C309	1-124-717-85	ELECT	1uF 20% 50V	C448	1-124-721-85	ELECT	10uF 20% 50V
C311	1-125-710-11	DOUBLE LAYERS	0.1F 5.5V	C449	1-124-721-85	ELECT	10uF 20% 50V
C312	1-126-933-11	ELECT	100uF 20% 16V	C450	1-124-721-85	ELECT	10uF 20% 50V
C313	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C451	1-124-721-85	ELECT	10uF 20% 50V
C315	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	C452	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C316	1-162-918-11	CERAMIC CHIP	18PF 5% 50V	C453	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C317	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C470	1-126-960-11	ELECT	1uF 20% 50V
C318	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	C475	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C319	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C501	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C320	1-126-961-11	ELECT	2.2uF 20% 50V	C502	1-126-964-11	ELECT	100uF 20% 50V
C321	1-126-964-11	ELECT	10uF 20% 50V	C507	1-126-933-11	ELECT	100uF 20% 16V
C322	1-162-975-11	CERAMIC CHIP	24PF 5% 50V	C508	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C323	1-162-975-11	CERAMIC CHIP	24PF 5% 50V	C509	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V
C324	1-126-964-11	ELECT	10uF 20% 50V	C510	1-135-834-11	CERAMIC CHIP	2.2uF 6.3V
C325	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C511	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C330	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	C620	1-104-665-11	ELECT	100uF 20% 10V
C332	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C621	1-128-552-11	ELECT	47uF 20% 63V
C333	1-126-933-11	ELECT	100uF 20% 16V	C622	1-126-934-11	ELECT	220uF 20% 16V
C334	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C623	1-126-964-11	ELECT	10uF 20% 50V
C335	1-126-933-11	ELECT	100uF 20% 16V	C624	1-164-315-11	CERAMIC CHIP	470PF 5% 50V
C336	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	C625	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C341	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C626	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C342	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C627	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
C400	1-124-721-85	ELECT	10uF 20% 50V	C628	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V
C401	1-126-947-11	ELECT	47uF 20% 16V	C629	1-126-933-11	ELECT	100uF 20% 16V
C403	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V	C901	1-126-965-11	ELECT	22uF 20% 50V
C416	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C903	1-126-963-11	ELECT	4.7uF 20% 50V
C417	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	C928	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C418	1-124-721-85	ELECT	10uF 20% 50V	C930	1-126-965-11	ELECT	22uF 20% 50V
C419	1-126-959-11	ELECT	0.47uF 20% 50V			< CONNECTOR >	
C420	1-126-959-11	ELECT	0.47uF 20% 50V				
C421	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V				
C422	1-124-673-85	ELECT	100uF 20% 10V	* CN401	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P	
C423	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	CN601	1-569-915-11	SOCKET, CONNECTOR 22P	
C424	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V	CNP101	1-774-701-21	PIN, CONNECTOR 16P	
C425	1-136-154-00	FILM	0.012uF 5% 50V	CNP102	1-580-907-41	PLUG, CONNECTOR (BUS CONTROL IN)	
C426	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CNP301	1-817-536-11	CONNECTOR, BOARD TO BOARD 28P	
C427	1-162-927-11	CERAMIC CHIP	100PF 5% 50V			< JACK >	
C428	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	CNJ101	1-764-270-21	JACK, STEREO MINIATURE (DIA.3.5)	(REMOTE IN)
C429	1-162-927-11	CERAMIC CHIP	100PF 5% 50V				

CDX-F7700/F7705X

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< DIODE >					
D101	8-719-083-66	DIODE UDZS-TE17-18B		FB329	1-216-295-11	SHORT CHIP 0	
D102	8-719-083-66	DIODE UDZS-TE17-18B		FB330	1-216-295-11	SHORT CHIP 0	
D103	8-719-420-51	DIODE MA729		FB441	1-414-813-11	FERRITE, EMI (SMD)	
D104	8-719-069-56	DIODE UDZS-TE17-6.2B		FB442	1-414-813-11	FERRITE, EMI (SMD)	
D105	8-719-083-66	DIODE UDZS-TE17-18B				< IC >	
D106	8-719-978-33	DIODE DTZ-TT11-6.8B		IC110	8-759-096-16	IC MM1175XFF	
D108	8-719-083-66	DIODE UDZS-TE17-18B		IC201	6-705-359-01	IC TDA8588AJ/N2	
D109	8-719-200-82	DIODE 11ES2		IC252	8-759-679-05	IC TC7WH34FU(TE12R)	
D110	8-719-053-18	DIODE 1SR154-400TE-25		IC271	6-705-373-01	IC MM3123DPLE	
D111	8-719-053-18	DIODE 1SR154-400TE-25		IC273	8-759-679-05	IC TC7WH34FU(TE12R)	
D112	8-719-053-18	DIODE 1SR154-400TE-25		IC302	8-759-658-25	IC PST3432UL	
D113	8-719-053-18	DIODE 1SR154-400TE-25		IC303	6-803-990-01	IC M30624MGP-123GP	
D114	8-719-053-18	DIODE 1SR154-400TE-25		IC401	6-703-303-01	IC TDA7416	
D115	8-719-053-18	DIODE 1SR154-400TE-25		IC402	6-703-419-01	IC LA2901V-TLM-E	
D116	8-719-053-18	DIODE 1SR154-400TE-25		IC431	6-705-720-01	IC RC4580IDR	
D117	8-719-053-18	DIODE 1SR154-400TE-25		IC451	6-705-720-01	IC RC4580IDR	
D118	6-500-508-01	DIODE RR263M-400FTR		IC470	6-705-720-01	IC RC4580IDR	
D119	6-500-508-01	DIODE RR263M-400FTR		IC620	6-705-542-01	IC NJM2377M(TE2)	
D120	6-500-508-01	DIODE RR263M-400FTR				< JACK >	
D121	6-500-508-01	DIODE RR263M-400FTR		J601	1-793-598-11	JACK (ANTENNA)	
D122	8-719-978-33	DIODE DTZ-TT11-6.8B				< JUMPER RESISTOR >	
D123	8-719-200-82	DIODE 11ES2		JR302	1-216-864-11	METAL CHIP 0 5% 1/10W	
D271	8-719-400-27	DIODE MA152WK-TX				< COIL >	
D275	8-719-420-51	DIODE MA729		L101	1-456-617-11	COIL, CHOKE 250uH	
D301	8-719-420-51	DIODE MA729		L301	1-414-394-41	INDUCTOR 2.2uH	
D302	8-719-420-51	DIODE MA729		L302	1-414-394-41	INDUCTOR 2.2uH	
D305	8-719-988-61	DIODE 1SS355TE-17		L303	1-414-398-11	INDUCTOR 10uH	
D306	8-719-988-61	DIODE 1SS355TE-17		L320	1-414-394-41	INDUCTOR 2.2uH	
D401	8-719-404-50	DIODE MA111-TX		L401	1-414-394-41	INDUCTOR 2.2uH	
D403	8-719-069-55	DIODE UDZS-TE17-5.6B		L502	1-414-394-41	INDUCTOR 2.2uH	
D501	8-719-069-55	DIODE UDZS-TE17-5.6B		L503	1-414-394-41	INDUCTOR 2.2uH	
D601	8-719-978-33	DIODE DTZ-TT11-6.8B		L620	1-456-729-11	COIL, POWER	
D602	8-719-978-33	DIODE DTZ-TT11-6.8B		L901	1-414-394-41	INDUCTOR 2.2uH	
D603	8-719-978-33	DIODE DTZ-TT11-6.8B				< JACK >	
D604	8-719-978-33	DIODE DTZ-TT11-6.8B		PJ401	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT REAR/FRONT)	
D605	6-500-886-01	DIODE RSA6.1ENTR				< TRANSISTOR >	
D606	6-500-886-01	DIODE RSA6.1ENTR		Q101	8-729-055-94	TRANSISTOR SRC1202SF	
D620	8-719-053-18	DIODE 1SR154-400TE-25		Q102	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D621	8-719-053-18	DIODE 1SR154-400TE-25		Q103	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D622	8-719-055-33	DIODE D1FL40		Q110	8-729-055-91	TRANSISTOR SRA2202SF	
D623	8-719-055-30	DIODE D1FS4A-TA		Q111	8-729-055-94	TRANSISTOR SRC1202SF	
D624	8-719-055-30	DIODE D1FS4A-TA		Q112	8-729-055-91	TRANSISTOR SRA2202SF	
D625	8-719-083-66	DIODE UDZS-TE17-18B		Q171	6-550-752-01	TRANSISTOR DTC614TKT146	
D626	8-719-069-54	DIODE UDZS-TE17-5.1B		Q181	6-550-752-01	TRANSISTOR DTC614TKT146	
D627	6-500-540-01	DIODE RB521S-30FTE61		Q267	8-729-055-94	TRANSISTOR SRC1202SF	
D904	8-719-801-78	DIODE 1SS184		Q270	8-729-053-84	FET SSM3KO9FU(T5LSONY1)	
D907	8-719-988-61	DIODE 1SS355TE-17		Q271	6-550-752-01	TRANSISTOR DTC614TKT146	
D909	8-719-988-61	DIODE 1SS355TE-17		Q273	8-729-053-84	FET SSM3KO9FU(T5LSONY1)	
D910	8-719-069-55	DIODE UDZS-TE17-5.6B		Q281	6-550-752-01	TRANSISTOR DTC614TKT146	
D911	8-719-420-51	DIODE MA729		Q401	8-729-055-95	TRANSISTOR SRC1204SF	
		< FERRITE BEAD >		Q402	8-729-055-91	TRANSISTOR SRA2202SF	
FB324	1-414-813-11	FERRITE, EMI (SMD)					
FB325	1-216-295-11	SHORT CHIP 0					
FB326	1-216-295-11	SHORT CHIP 0					
FB327	1-216-295-11	SHORT CHIP 0					
FB328	1-216-295-11	SHORT CHIP 0					

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q408	8-729-053-84	FET SSM3K09FU(T5LSONY1)		R275	1-216-841-11	METAL CHIP 47K	5% 1/10W
Q450	6-550-752-01	TRANSISTOR DTC614TKT146		R284	1-216-813-11	METAL CHIP 220	5% 1/10W
Q451	6-550-752-01	TRANSISTOR DTC614TKT146		R285	1-216-841-11	METAL CHIP 47K	5% 1/10W
Q452	6-550-752-01	TRANSISTOR DTC614TKT146		R300	1-216-864-11	METAL CHIP 0	5% 1/10W
Q453	6-550-752-01	TRANSISTOR DTC614TKT146		R301	1-216-864-11	METAL CHIP 0	5% 1/10W
Q470	6-550-752-01	TRANSISTOR DTC614TKT146		R302	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q501	8-729-920-85	TRANSISTOR 2SD1664-QR		R304	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q601	8-729-055-91	TRANSISTOR SRA2202SF		R311	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q602	8-729-055-95	TRANSISTOR SRC1204SF		R312	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q620	8-729-048-72	FET 2SK2615		R314	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q621	8-729-055-91	TRANSISTOR SRA2202SF		R319	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q622	8-729-055-95	TRANSISTOR SRC1204SF		R322	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
Q623	8-729-055-95	TRANSISTOR SRC1204SF		R323	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
Q624	6-550-828-01	FET RSQ035P03TR		R326	1-216-853-11	METAL CHIP 470K	5% 1/10W
Q907	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R330	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q914	8-729-055-91	TRANSISTOR SRA2202SF		R332	1-218-871-11	METAL CHIP 10K	0.5% 1/10W
Q915	8-729-015-11	TRANSISTOR 2SD1802FAST-TL		R333	1-216-809-11	METAL CHIP 100	5% 1/10W
Q916	8-729-055-94	TRANSISTOR SRC1202SF		R335	1-216-837-11	METAL CHIP 22K	5% 1/10W
		< RESISTOR >		R341	1-216-845-11	METAL CHIP 100K	5% 1/10W
				R342	1-216-833-11	METAL CHIP 10K	5% 1/10W
R101	1-216-077-11	RES-CHIP 15K	5% 1/10W	R343	1-216-845-11	METAL CHIP 100K	5% 1/10W
R102	1-216-049-11	RES-CHIP 1K	5% 1/10W	R344	1-216-833-11	METAL CHIP 10K	5% 1/10W
R103	1-216-821-11	METAL CHIP 1K	5% 1/10W	R345	1-216-833-11	METAL CHIP 10K	5% 1/10W
R104	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R346	1-216-833-11	METAL CHIP 10K	5% 1/10W
R105	1-216-841-11	METAL CHIP 47K	5% 1/10W	R350	1-216-809-11	METAL CHIP 100	5% 1/10W
R106	1-216-841-11	METAL CHIP 47K	5% 1/10W	R351	1-216-809-11	METAL CHIP 100	5% 1/10W
R107	1-216-073-00	RES-CHIP 10K	5% 1/10W	R356	1-218-871-11	METAL CHIP 10K	0.5% 1/10W
R108	1-216-073-00	RES-CHIP 10K	5% 1/10W	R357	1-218-871-11	METAL CHIP 10K	0.5% 1/10W
R109	1-216-833-11	METAL CHIP 10K	5% 1/10W	R360	1-216-845-11	METAL CHIP 100K	5% 1/10W
R110	1-216-833-11	METAL CHIP 10K	5% 1/10W	R363	1-216-845-11	METAL CHIP 100K	5% 1/10W
R111	1-216-841-11	METAL CHIP 47K	5% 1/10W	R364	1-216-845-11	METAL CHIP 100K	5% 1/10W
R112	1-216-821-11	METAL CHIP 1K	5% 1/10W	R365	1-216-845-11	METAL CHIP 100K	5% 1/10W
R114	1-216-809-11	METAL CHIP 100	5% 1/10W	R366	1-216-845-11	METAL CHIP 100K	5% 1/10W
R115	1-216-809-11	METAL CHIP 100	5% 1/10W	R367	1-216-845-11	METAL CHIP 100K	5% 1/10W
R116	1-216-809-11	METAL CHIP 100	5% 1/10W	R369	1-216-845-11	METAL CHIP 100K	5% 1/10W
R117	1-216-797-11	METAL CHIP 10	5% 1/10W	R371	1-216-845-11	METAL CHIP 100K	5% 1/10W
R118	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R377	1-216-845-11	METAL CHIP 100K	5% 1/10W
R142	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R381	1-216-845-11	METAL CHIP 100K	5% 1/10W
R143	1-216-833-11	METAL CHIP 10K	5% 1/10W	R385	1-216-864-11	METAL CHIP 0	5% 1/10W
R174	1-216-813-11	METAL CHIP 220	5% 1/10W	R391	1-216-845-11	METAL CHIP 100K	5% 1/10W
R175	1-216-841-11	METAL CHIP 47K	5% 1/10W	R393	1-216-845-11	METAL CHIP 100K	5% 1/10W
R184	1-216-813-11	METAL CHIP 220	5% 1/10W	R401	1-216-017-11	RES-CHIP 47	5% 1/10W
R185	1-216-841-11	METAL CHIP 47K	5% 1/10W	R402	1-216-864-11	METAL CHIP 0	5% 1/10W
R201	1-216-841-11	METAL CHIP 47K	5% 1/10W	R403	1-216-295-11	SHORT CHIP 0	
R202	1-216-809-11	METAL CHIP 100	5% 1/10W	R407	1-216-841-11	METAL CHIP 47K	5% 1/10W
R203	1-216-821-11	METAL CHIP 1K	5% 1/10W	R408	1-216-809-11	METAL CHIP 100	5% 1/10W
R204	1-216-821-11	METAL CHIP 1K	5% 1/10W	R410	1-216-295-11	SHORT CHIP 0	
R205	1-216-821-11	METAL CHIP 1K	5% 1/10W	R414	1-216-833-11	METAL CHIP 10K	5% 1/10W
R206	1-216-821-11	METAL CHIP 1K	5% 1/10W	R415	1-216-833-11	METAL CHIP 10K	5% 1/10W
R240	1-216-049-11	RES-CHIP 1K	5% 1/10W	R416	1-216-809-11	METAL CHIP 100	5% 1/10W
R241	1-216-049-11	RES-CHIP 1K	5% 1/10W	R417	1-216-809-11	METAL CHIP 100	5% 1/10W
R242	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R418	1-216-809-11	METAL CHIP 100	5% 1/10W
R243	1-216-833-11	METAL CHIP 10K	5% 1/10W	R419	1-216-809-11	METAL CHIP 100	5% 1/10W
R267	1-216-845-11	METAL CHIP 100K	5% 1/10W	R420	1-216-833-11	METAL CHIP 10K	5% 1/10W
R270	1-216-837-11	METAL CHIP 22K	5% 1/10W	R421	1-216-833-11	METAL CHIP 10K	5% 1/10W
R271	1-216-845-11	METAL CHIP 100K	5% 1/10W	R422	1-216-813-11	METAL CHIP 220	5% 1/10W
R273	1-216-837-11	METAL CHIP 22K	5% 1/10W	R424	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R274	1-216-813-11	METAL CHIP 220	5% 1/10W	R426	1-216-864-11	METAL CHIP 0	5% 1/10W

CDX-F7700/F7705X

MAIN **SENSOR** **SERVO**

Ref. No.	Part No.	Description	Remark
R427	1-216-864-11	METAL CHIP	0 5% 1/10W
R429	1-216-086-00	RES-CHIP	36K 5% 1/10W
R430	1-216-082-00	RES-CHIP	24K 5% 1/10W
R431	1-216-086-00	RES-CHIP	36K 5% 1/10W
R432	1-216-082-00	RES-CHIP	24K 5% 1/10W
R433	1-216-086-00	RES-CHIP	36K 5% 1/10W
R434	1-216-082-00	RES-CHIP	24K 5% 1/10W
R435	1-216-086-00	RES-CHIP	36K 5% 1/10W
R436	1-216-082-00	RES-CHIP	24K 5% 1/10W
R437	1-216-833-11	METAL CHIP	10K 5% 1/10W
R438	1-216-835-11	METAL CHIP	15K 5% 1/10W
R447	1-216-845-11	METAL CHIP	100K 5% 1/10W
R448	1-216-845-11	METAL CHIP	100K 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	1-216-833-11	METAL CHIP	10K 5% 1/10W
R452	1-216-833-11	METAL CHIP	10K 5% 1/10W
R453	1-216-845-11	METAL CHIP	100K 5% 1/10W
R454	1-216-845-11	METAL CHIP	100K 5% 1/10W
R455	1-216-833-11	METAL CHIP	10K 5% 1/10W
R456	1-216-833-11	METAL CHIP	10K 5% 1/10W
R457	1-216-813-11	METAL CHIP	220 5% 1/10W
R458	1-216-813-11	METAL CHIP	220 5% 1/10W
R459	1-216-813-11	METAL CHIP	220 5% 1/10W
R460	1-216-813-11	METAL CHIP	220 5% 1/10W
R461	1-216-841-11	METAL CHIP	47K 5% 1/10W
R462	1-216-841-11	METAL CHIP	47K 5% 1/10W
R463	1-216-841-11	METAL CHIP	47K 5% 1/10W
R464	1-216-841-11	METAL CHIP	47K 5% 1/10W
R465	1-216-864-11	METAL CHIP	0 5% 1/10W
R471	1-216-864-11	METAL CHIP	0 5% 1/10W
R472	1-216-835-11	METAL CHIP	15K 5% 1/10W
R473	1-216-833-11	METAL CHIP	10K 5% 1/10W
R477	1-216-841-11	METAL CHIP	47K 5% 1/10W
R501	1-216-821-11	METAL CHIP	1K 5% 1/10W
R502	1-216-864-11	METAL CHIP	0 5% 1/10W
R504	1-216-864-11	METAL CHIP	0 5% 1/10W
R600	1-216-295-11	SHORT CHIP	0
R601	1-216-029-00	METAL CHIP	150 5% 1/10W
R602	1-216-029-00	METAL CHIP	150 5% 1/10W
R603	1-216-029-00	METAL CHIP	150 5% 1/10W
R620	1-216-230-00	RES-CHIP	22K 5% 1/8W
R621	1-216-230-00	RES-CHIP	22K 5% 1/8W
R622	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R623	1-218-895-11	METAL CHIP	100K 0.5% 1/10W
R624	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R625	1-216-809-11	METAL CHIP	100 5% 1/10W
R626	1-216-848-11	METAL CHIP	180K 5% 1/10W
R627	1-216-846-11	METAL CHIP	120K 5% 1/10W
R628	1-216-841-11	METAL CHIP	47K 5% 1/10W
R629	1-216-833-11	METAL CHIP	10K 5% 1/10W
R630	1-216-837-11	METAL CHIP	22K 5% 1/10W
R631	1-216-833-11	METAL CHIP	10K 5% 1/10W
R632	1-216-841-11	METAL CHIP	47K 5% 1/10W
R633	1-216-809-11	METAL CHIP	100 5% 1/10W
R634	1-216-833-11	METAL CHIP	10K 5% 1/10W
R635	1-216-864-11	METAL CHIP	0 5% 1/10W
R636	1-216-839-11	METAL CHIP	33K 5% 1/10W

Ref. No.	Part No.	Description	Remark
R642	1-216-296-11	SHORT CHIP	0
R643	1-216-296-11	SHORT CHIP	0
R910	1-216-845-11	METAL CHIP	100K 5% 1/10W
R920	1-216-073-00	RES-CHIP	10K 5% 1/10W
R921	1-216-073-00	RES-CHIP	10K 5% 1/10W
R922	1-216-845-11	METAL CHIP	100K 5% 1/10W
R929	1-216-837-11	METAL CHIP	22K 5% 1/10W
R949	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R950	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
< SWITCH >			
S300	1-786-458-11	SWITCH, PUSH (1 KEY) (NOSE DET)	
S301	1-762-638-21	SWITCH, TACTILE (RESET)	
< TRANSFORMER >			
T620	1-443-212-11	TRANSFORMER, DC-DC CONVERTER	
< THERMISTOR (POSITIVE) >			
TH100	1-801-792-21	THERMISTOR, POSITIVE	
< TUNER >			
TUX501	A-3220-959-A	TUNER UNIT (TUX-032)	
< VIBRATOR >			
X301	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)	
X302	1-813-254-11	VIBRATOR, CRYSTAL (6MHz)	

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-3283-359-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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C24	1-162-962-11	CERAMIC CHIP	470PF 10% 50V			< JUMPER RESISTOR >	
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	FB1	1-216-864-11	METAL CHIP 0 5% 1/10W	
C28	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	FB2	1-216-864-11	METAL CHIP 0 5% 1/10W	
				FB5	1-216-864-11	METAL CHIP 0 5% 1/10W	
C29	1-164-156-11	CERAMIC CHIP	0.1uF 25V			< IC >	
C30	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC1	6-705-366-01	IC LA6560-TE-L-E	
C32	1-164-156-11	CERAMIC CHIP	0.1uF 25V	IC3	8-752-425-12	IC CXD3059AR	
C33	1-164-156-11	CERAMIC CHIP	0.1uF 25V	IC4	6-804-028-01	IC MB90487PFV-G-105-BNDE1	
C34	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	IC7	6-705-364-01	IC R1114N151D-TR-FA	
				IC8	6-705-365-01	IC TC94A34FG-002	
C35	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			< TRANSISTOR >	
C36	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	Q1	8-729-904-87	TRANSISTOR 2SB1197K-R	
C37	1-164-677-11	CERAMIC CHIP	0.033uF 10% 16V	Q2	8-729-928-90	TRANSISTOR DTC114EE	
C38	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	Q3	8-729-904-87	TRANSISTOR 2SB1197K-R	
C39	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	Q5	8-729-904-87	TRANSISTOR 2SB1197K-R	
				Q6	8-729-928-90	TRANSISTOR DTC114EE	
C40	1-162-969-11	CERAMIC CHIP	0.0068uF 10% 25V			< RESISTOR >	
C41	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R1	1-218-941-81	RES-CHIP 100 5% 1/16W	
C42	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R2	1-218-971-11	RES-CHIP 33K 5% 1/16W	
C43	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	R3	1-218-971-11	RES-CHIP 33K 5% 1/16W	
C44	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R4	1-218-965-11	RES-CHIP 10K 5% 1/16W	
				R5	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C45	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R6	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C46	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V	R7	1-208-635-11	RES-CHIP 10 5% 1/16W	
C47	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R8	1-218-971-11	RES-CHIP 33K 5% 1/16W	
C48	1-104-609-11	ELECT CHIP	100uF 20% 4V	R9	1-218-971-11	RES-CHIP 33K 5% 1/16W	
C49	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	R10	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C50	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	R11	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C51	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R12	1-208-635-11	RES-CHIP 10 5% 1/16W	
C52	1-100-381-11	ELECT CHIP	10uF 20% 16V	R13	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C53	1-100-381-11	ELECT CHIP	10uF 20% 16V	R14	1-218-990-11	SHORT CHIP 0	
C54	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R15	1-218-990-11	SHORT CHIP 0	
C55	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R16	1-218-990-11	SHORT CHIP 0	
C56	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R17	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C57	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R18	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C58	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R19	1-218-969-11	RES-CHIP 22K 5% 1/16W	
C59	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R20	1-218-969-11	RES-CHIP 22K 5% 1/16W	
C60	1-100-381-11	ELECT CHIP	10uF 20% 16V	R21	1-218-990-11	SHORT CHIP 0	
C63	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R22	1-218-967-11	RES-CHIP 15K 5% 1/16W	
C64	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R23	1-218-967-11	RES-CHIP 15K 5% 1/16W	
C65	1-126-208-21	ELECT CHIP	47uF 20% 4V	R24	1-218-953-11	RES-CHIP 1K 5% 1/16W	
C66	1-164-156-11	CERAMIC CHIP	0.1uF 25V	R25	1-218-953-11	RES-CHIP 1K 5% 1/16W	
C67	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R26	1-218-981-11	RES-CHIP 220K 5% 1/16W	
C74	1-126-208-21	ELECT CHIP	47uF 20% 4V	R27	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C75	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	R28	1-218-990-11	SHORT CHIP 0	
C77	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R29	1-218-977-11	RES-CHIP 100K 5% 1/16W	
C79	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R37	1-218-990-11	SHORT CHIP 0	
C83	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R38	1-218-967-11	RES-CHIP 15K 5% 1/16W	
C85	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	R39	1-218-941-81	RES-CHIP 100 5% 1/16W	
C86	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R40	1-218-990-11	SHORT CHIP 0	
C91	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R41	1-218-985-11	RES-CHIP 470K 5% 1/16W	
C92	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R42	1-218-965-11	RES-CHIP 10K 5% 1/16W	
C109	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R43	1-218-977-11	RES-CHIP 100K 5% 1/16W	
C110	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R44	1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
C115	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R45	1-218-971-11	RES-CHIP 33K 5% 1/16W	
		< CONNECTOR >					
CN1	1-794-153-21	CONNECTOR, FPC (ZIF) 16P					
CN2	1-817-275-21	CONNECTOR, BOARD TO BOARD 28P					

CDX-F7700/F7705X

SERVO SUB

Ref. No.	Part No.	Description	Remark
R46	1-218-957-11	RES-CHIP	2.2K 5% 1/16W
R47	1-218-977-11	RES-CHIP	100K 5% 1/16W
R48	1-218-941-81	RES-CHIP	100 5% 1/16W
R49	1-218-953-11	RES-CHIP	1K 5% 1/16W
R50	1-218-941-81	RES-CHIP	100 5% 1/16W
R52	1-218-941-81	RES-CHIP	100 5% 1/16W
R53	1-218-959-11	RES-CHIP	3.3K 5% 1/16W
R54	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R55	1-218-953-11	RES-CHIP	1K 5% 1/16W
R56	1-218-973-11	RES-CHIP	47K 5% 1/16W
R57	1-218-941-81	RES-CHIP	100 5% 1/16W
R59	1-218-941-81	RES-CHIP	100 5% 1/16W
R60	1-218-990-11	SHORT CHIP	0
R61	1-218-985-11	RES-CHIP	470K 5% 1/16W
R62	1-218-965-11	RES-CHIP	10K 5% 1/16W
R64	1-218-941-81	RES-CHIP	100 5% 1/16W
R65	1-218-941-81	RES-CHIP	100 5% 1/16W
R67	1-218-941-81	RES-CHIP	100 5% 1/16W
R68	1-218-990-11	SHORT CHIP	0
R69	1-218-973-11	RES-CHIP	47K 5% 1/16W
R70	1-218-945-11	RES-CHIP	220 5% 1/16W
R71	1-218-941-81	RES-CHIP	100 5% 1/16W
R72	1-218-990-11	SHORT CHIP	0
R73	1-218-941-81	RES-CHIP	100 5% 1/16W
R74	1-218-941-81	RES-CHIP	100 5% 1/16W
R76	1-218-941-81	RES-CHIP	100 5% 1/16W
R77	1-218-947-11	RES-CHIP	330 5% 1/16W
R78	1-218-941-81	RES-CHIP	100 5% 1/16W
R79	1-218-941-81	RES-CHIP	100 5% 1/16W
R80	1-218-977-11	RES-CHIP	100K 5% 1/16W
R81	1-218-941-81	RES-CHIP	100 5% 1/16W
R85	1-218-973-11	RES-CHIP	47K 5% 1/16W
R86	1-218-973-11	RES-CHIP	47K 5% 1/16W
R87	1-218-973-11	RES-CHIP	47K 5% 1/16W
R91	1-220-200-81	RES-CHIP	30K 5% 1/16W
R92	1-218-971-11	RES-CHIP	33K 5% 1/16W
R96	1-218-990-11	SHORT CHIP	0
R97	1-218-941-81	RES-CHIP	100 5% 1/16W
R98	1-218-941-81	RES-CHIP	100 5% 1/16W
R99	1-218-965-11	RES-CHIP	10K 5% 1/16W
R101	1-218-969-11	RES-CHIP	22K 5% 1/16W
R102	1-218-990-11	SHORT CHIP	0
R106	1-218-969-11	RES-CHIP	22K 5% 1/16W
R107	1-218-965-11	RES-CHIP	10K 5% 1/16W
R108	1-218-941-81	RES-CHIP	100 5% 1/16W
R109	1-218-965-11	RES-CHIP	10K 5% 1/16W
R110	1-218-945-11	RES-CHIP	220 5% 1/16W
R111	1-218-990-11	SHORT CHIP	0
R114	1-218-941-81	RES-CHIP	100 5% 1/16W
R115	1-218-941-81	RES-CHIP	100 5% 1/16W
R116	1-218-941-81	RES-CHIP	100 5% 1/16W
R117	1-218-990-11	SHORT CHIP	0
R119	1-218-941-81	RES-CHIP	100 5% 1/16W
R122	1-218-965-11	RES-CHIP	10K 5% 1/16W
R123	1-218-990-11	SHORT CHIP	0
R124	1-216-864-11	METAL CHIP	0 5% 1/10W
R126	1-218-965-11	RES-CHIP	10K 5% 1/16W
R127	1-218-965-11	RES-CHIP	10K 5% 1/16W

Ref. No.	Part No.	Description	Remark
R128	1-218-965-11	RES-CHIP	10K 5% 1/16W
R129	1-218-965-11	RES-CHIP	10K 5% 1/16W
R133	1-216-864-11	METAL CHIP	0 5% 1/10W
R136	1-218-977-11	RES-CHIP	100K 5% 1/16W
R139	1-218-957-11	RES-CHIP	2.2K 5% 1/16W
R140	1-218-941-81	RES-CHIP	100 5% 1/16W
R141	1-218-941-81	RES-CHIP	100 5% 1/16W
R142	1-218-941-81	RES-CHIP	100 5% 1/16W
R143	1-218-941-81	RES-CHIP	100 5% 1/16W
R144	1-218-965-11	RES-CHIP	10K 5% 1/16W
R145	1-218-977-11	RES-CHIP	100K 5% 1/16W
R146	1-218-941-81	RES-CHIP	100 5% 1/16W
R147	1-218-941-81	RES-CHIP	100 5% 1/16W
R148	1-218-941-81	RES-CHIP	100 5% 1/16W
< 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)	

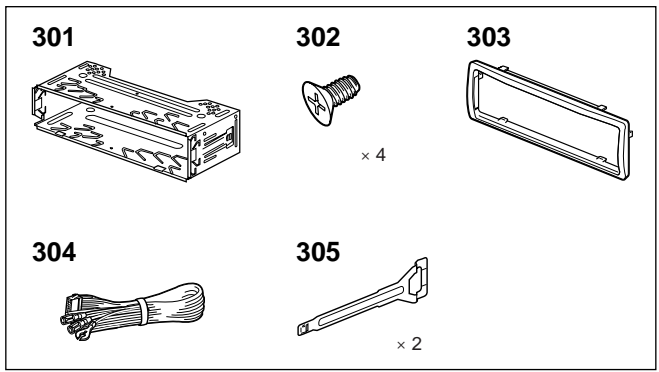
SUB BOARD			

	1-828-511-11	CABLE, FLAT (FFC) 22P	
< CONNECTOR >			
CNP501	1-818-142-11	SOCKET, CONNECTOR 20P	
< DIODE >			
D990	8-719-978-33	DIODE DTZ-TT11-6.8B (F7705X)	
D991	8-719-978-33	DIODE DTZ-TT11-6.8B (F7705X)	
LED931	6-500-895-01	LED CL-270UB2-X-TS (WINDOW) (F7705X)	
LED931	8-719-082-38	LED CL-270SR-C-TS (WINDOW) (F7700)	
LED932	6-500-204-01	LED CL-190UB2-X-T (▲) (F7705X)	
LED932	6-500-450-01	LED CL-195SR-CD-T (▲) (F7700)	
< RESISTOR >			
R990	1-216-809-11	METAL CHIP	100 5% 1/10W (F7705X)
R990	1-216-817-11	METAL CHIP	470 5% 1/10W (F7700)
R991	1-216-817-11	METAL CHIP	470 5% 1/10W (F7700)
< SWITCH >			
S901	1-771-884-31	SWITCH, TACTILE (▲)	

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS *****	
10	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	
12	1-790-375-12	CORD (WITH CONNECTOR) (SUB OUT (MONO))	
△ 153	8-820-207-02	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-3337-640-A	CHASSIS (OP) SUB ASSY (including M901)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M902	A-3337-638-A	MOTOR ASSY, SL (SLED)	
M903	A-3372-454-A	MOTOR ASSY, LE (LOADING)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	

		ACCESSORIES *****	
	1-477-110-71	REMOTE COMMANDER (RM-X141A)	
	3-230-047-01	LID, BATTERY CASE (for RM-X141A)	
	3-263-381-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH)	
	3-263-425-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH,SPANISH)	
	X-3378-390-3	CASE ASSY (for FRONT PANEL)	

		PARTS FOR INSTALLATION AND CONNECTIONS *****	
301	X-3382-647-1	FRAME ASSY, FITTING	
302	3-934-325-01	SCREW (+K 5X8 TP)	
303	3-264-055-01	COLLAR	
304	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	
305	3-246-471-01	KEY (FRAME)	



<p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p>	<p>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
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