

CDX-M800

SERVICE MANUAL

Ver 1.0 2003. 01

US Model
Canadian Model
AEP Model
UK Model
E Model



- The tuner and CD sections have no adjustments.

SPECIFICATIONS

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 90 dB
Frequency response 10 – 20,000 Hz
Wow and flutter Below measurable limit

Tuner section

FM

Tuning range 87.5 – 107.9 MHz (US, Canadian model)
87.5 – 108.0 MHz (AEP, UK, E model)
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 (US, Canadian model)

Tuning range 530 – 1,710 kHz
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz/450 kHz
Sensitivity 30 µV

Model Name Using Similar Mechanism	CDX-L410X/L490X
CD Drive Mechanism Type	MG-393XC-121//K
Optical Pick-up Name	KSS-721A

MW/LW (AEP, UK, E model)

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 µV
LW: 40 µV

Power amplifier section

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

General

Outputs Audio outputs (front/rear)
Subwoofer output (mono)
Power antenna relay
control terminal (US, Canadian model)
Power aerial relay
control terminal (AEP, UK, E model)
Power amplifier control
terminal

– Continued on next page –

FM/AM COMPACT DISC PLAYER

US, Canadian Model

FM/MW/LW COMPACT DISC PLAYER

AEP, UK, E Model

9-874-299-01
2003A0400-1
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e Vehicle Company
Published by Sony Engineering Corporation

SONY®

Inputs	Telephone ATT control terminal Illumination control terminal (US, Canadian model) BUS control input terminal BUS audio input or AUX IN terminal Antenna input terminal (US, Canadian model) Aerial input terminal (AEP, UK, E model)
Tone controls	US, Canadian model: Bass ± 10 dB at 62 Hz Treble ± 10 dB at 16 kHz AEP, UK, E model: Bass ± 8 dB at 100 Hz Treble ± 8 dB at 10 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 $\times$ 186 mm (7 1/8 $\times$ 2 $\times$ 7 3/8 in.) (w/h/d)
Mounting dimensions	Approx. 182 $\times$ 53 $\times$ 163 mm (7 1/4 $\times$ 2 1/8 $\times$ 6 1/2 in.) (w/h/d)
Mass	Approx. 1.5 kg (2 lb. 10 oz.)
Supplied accessories	Parts for installation and connections (1 set) Card remote commander RM-X110 (US, Canadian model) RM-X111 (AEP, UK, E model)

Note
This unit cannot be connected to a digital preamplifier or an equalizer.

Design and specifications are subject to change without notice.

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

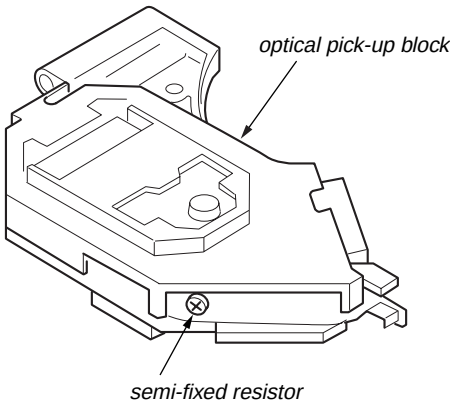
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

US, Canadian model:

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.



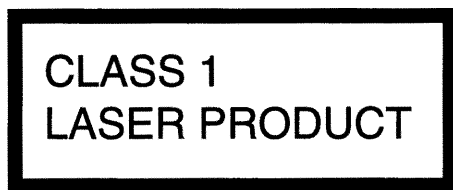
SAFETY-RELATED COMPONENT WARNING!!

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.

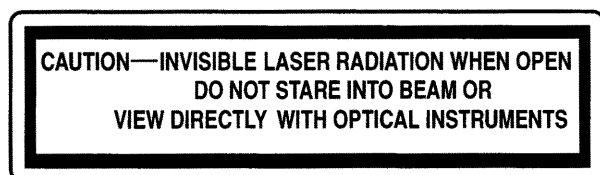
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

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.

AEP, UK, E model:



This label is located on the bottom of the chassis.



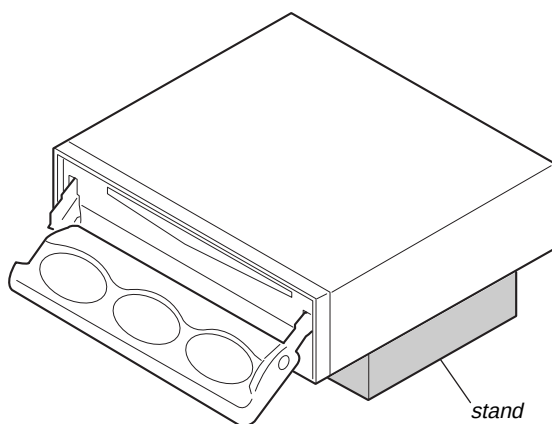
This label is located on the drive unit's internal chassis.

When replacing the chassis (T) of mechanism deck which have the "CAUTION LABEL" attached, please be sure to put a new CAUTION LABEL (3-223-913-11) to the chassis (T).

NOTE FOR THE OPENING OF THE FRONT PANEL

In this set, the front panel is lowered to below the bottom face when it is opened.

When servicing the set, place it on a stand having a height of about 2 cm.



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-R/CD-RW discs

- You can play CD-Rs (recordable CDs)/CD-RWs (rewritable CDs) designed for audio use on this unit.
Look for these marks to distinguish CD-Rs/CD-RWs for audio use.



These marks denote that a disc is not for audio use.



- 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/a CD-RW that is not finalized*.

* 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 (CNP301) and the SERVO board (CN1) with the extension cable (Part No. J-2502-062-1).

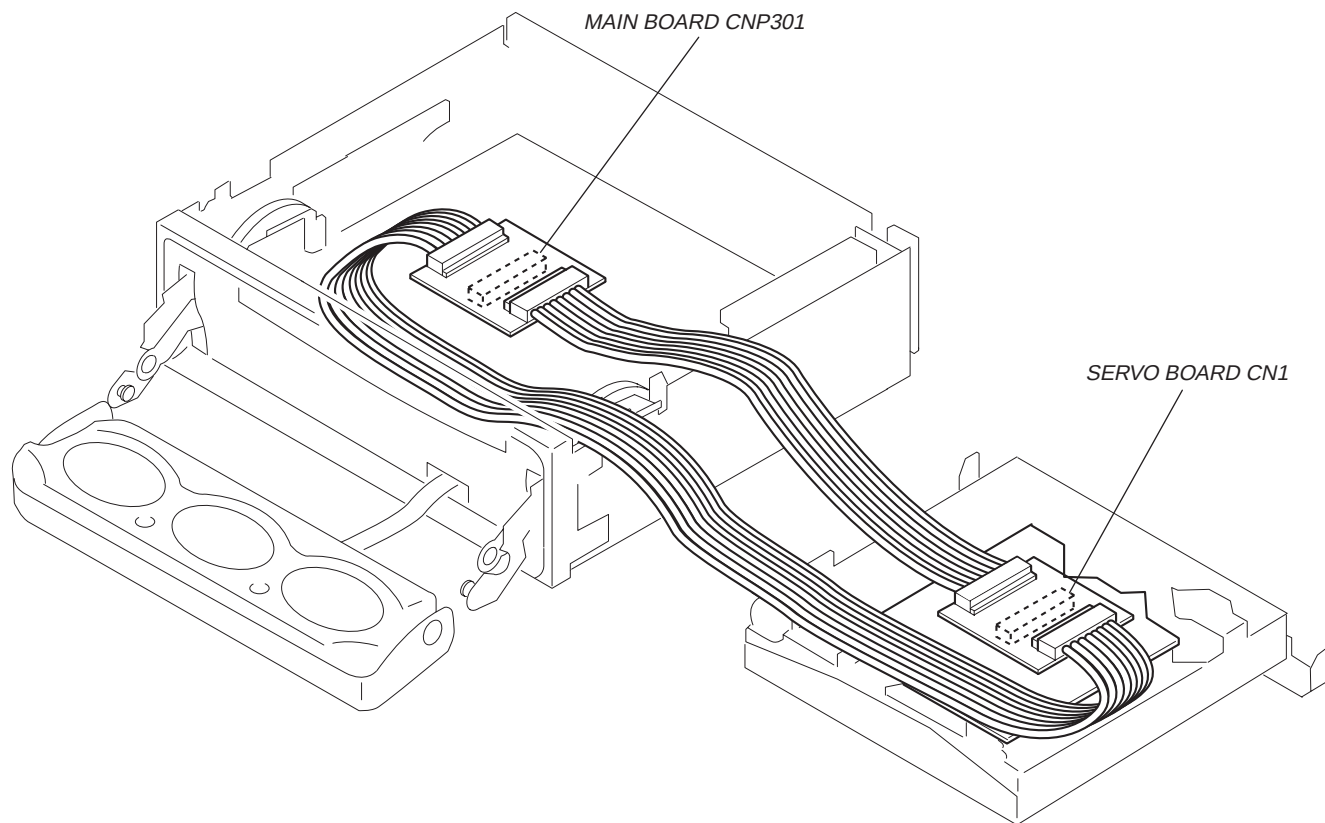


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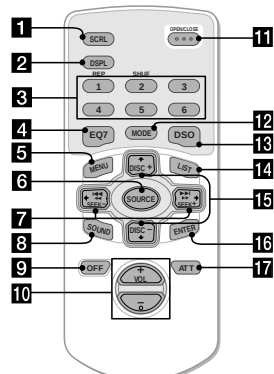
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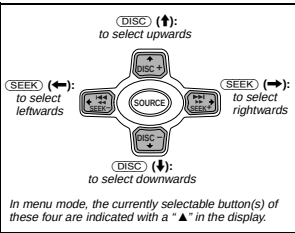
Location of controls (US, Canadian Model)

Card remote commander RM-X110



Refer to the pages listed for details.

- 1 SCRL (scroll) button 10
- 2 DSPL (display mode change) button 10, 12
- 3 Number buttons
 - 1 REP 11
 - 2 SHUF 11
- 4 To store stations/receive stored stations.
- 5 EQ7 button 18
- 6 MENU button
 - To display the menus.
- 6 SOURCE (Power on/Radio/CD/MD*/I AUX*) button
 - To select the source.
- 7 SEEK (←/→) buttons
 - To skip tracks/fast-forward, reverse a track/tune in stations automatically, find a station manually/select a setting.
- 8 SOUND button 16
- 9 OFF (Stop/Power off) button 9, 21
- 10 VOL (+/-) buttons
 - To turn up or down the volume.



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
Refer to "Replacing the lithium battery" for details on how to replace the batteries (page 22).

- 11 OPEN/CLOSE button 9
- 12 MODE button
 - To change the operation.
- 13 DSO button 19
- 14 LIST button 13, 16
- 15 DISC (↑/↓) buttons
 - To receive preset stations/change the disc*, skip albums**/select a menu.
- 16 ENTER button
 - To enter a setting.
- 17 ATT button 17

*1 When an optional MD unit is connected.
*2 Available only when an optional Sony portable device is connected to BUS AUDIO IN of the unit. You cannot connect any optional CD/MD units at the same time.
*3 When an optional CD/MD unit is connected.
*4 Available only when an optional CD unit with the MP3 file control function is connected, and MP3 file is played.

Connection example (US, Canadian Model)

Connection example (2)

Notes (2-A)
• Be sure to connect the ground cord before connecting the amplifier.
• If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Tip (2-B-0)
For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Exemple de raccordement (2)

Remarques (2-A)
• Raccordez d'abord le fil de masse avant de raccorder l'amplificateur.
• Si vous raccordez un amplificateur de puissance en option et que vous n'utilisez pas l'amplificateur intégré, le bip sonore est désactivé.

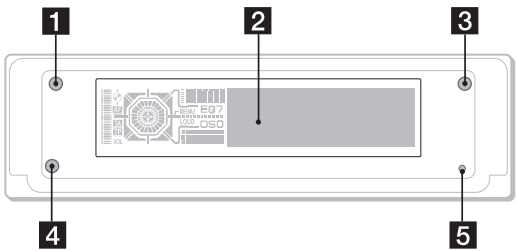
Conseil (2-B-0)
Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (en option) est requis.

Ejemplo de conexiones (2)

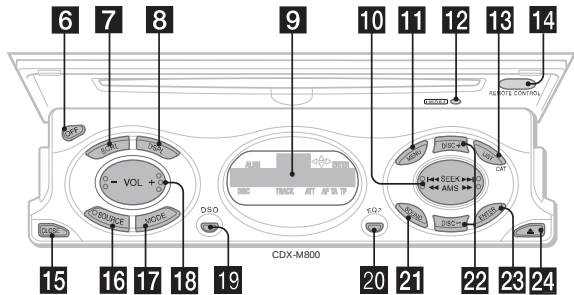
Notas (2-A)
• Asegúrese de conectar primero el cable de puesta a masa antes de realizar la conexión al amplificador.
• Si conecta un amplificador de potencia opcional y no utiliza el incorporado, los pitidos se desactivarán.

Consejo (2-B-0)
Cuando desee conectar dos o más cambiadores de CD/MD, necesitará un selector de fuente XA-C30 (opcional).

Main display side



Operation side

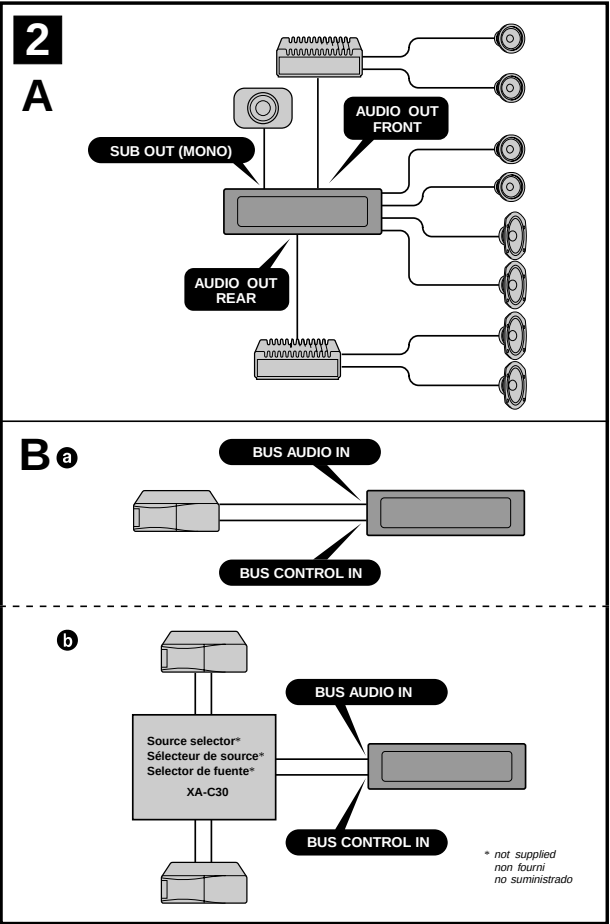


The buttons on the unit share the same functions as those on the card remote commander.

- 1 OPEN button 9
- 2 Main display window
- 3 IMAGE button 20
- 4 14 Receptor for the card remote commander
- 5 12 RESET button 8
- 6 OFF (Stop/Power off) button*1
- 7 SCRL (scroll) button
- 8 DSPL (display mode change) button
- 9 Sub display window
- 10 SEEK/AMS (←/→/←/→/←/→/←/→) button
- 11 MENU button
- 12 LIST/CAT*2 button
- 13 CLOSE (front panel close) button 9

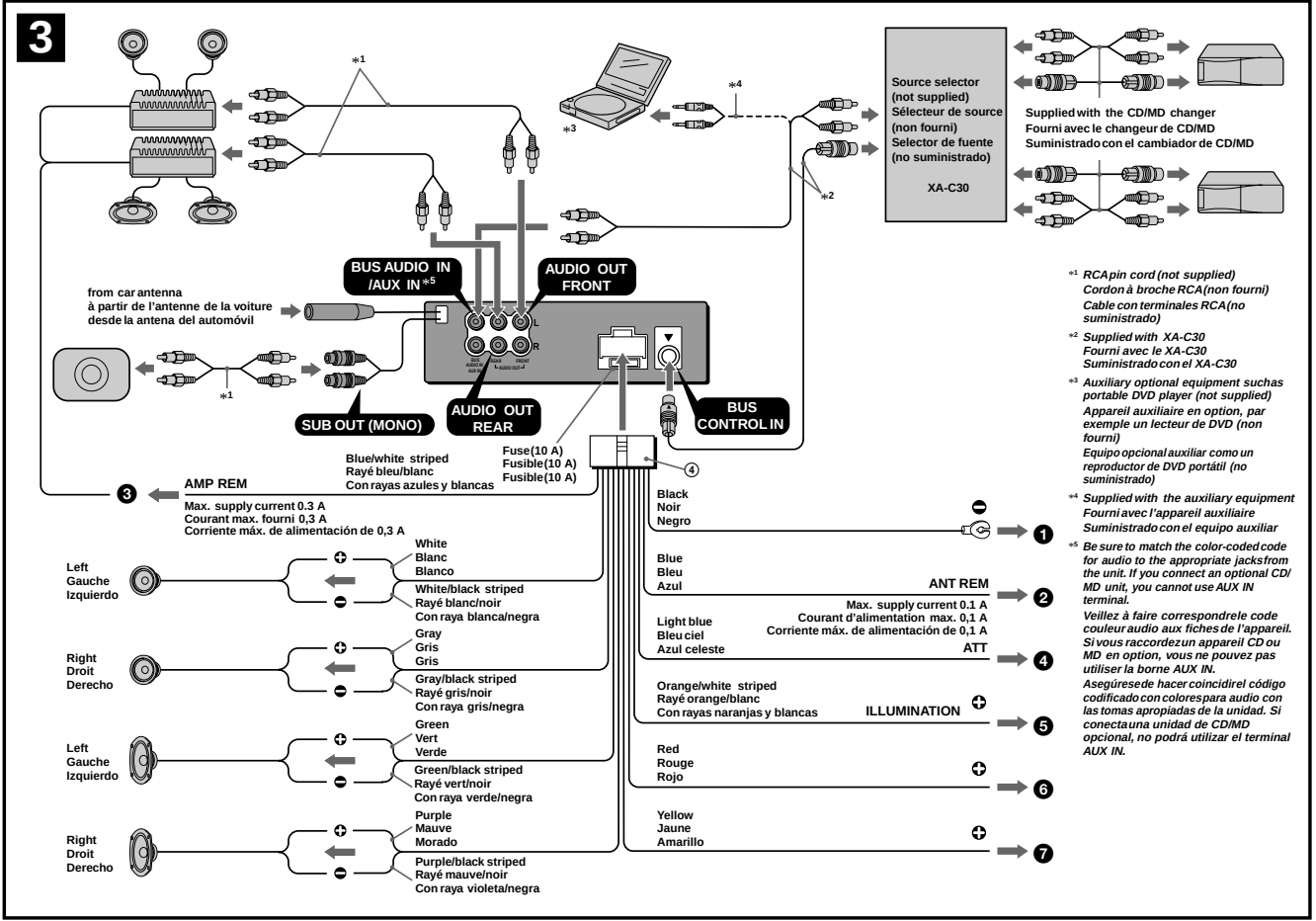
- 16 SOURCE button
- 17 MODE button
- 18 VOL (+/-) button
- 19 DSO button
- 20 EQ7 button
- 21 SOUND button
- 22 DISC (+/-) buttons
- 23 ENTER button
- 24 ▲ (eject) button 9

continue to next page →



* not supplied
non fourni
no suministrado

Connections (US, Canadian Model)



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 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
Be sure to connect the black ground lead to a metal surface of the car.
- 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.
 - 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 the +12 V power terminal which is energized at all times
Be sure to connect the black ground lead to a metal surface of the car.

Notes on the control and power supply leads

- The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner.
- 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 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 key 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 wires 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 cords 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)

- À 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 latérale, voir "Remarques sur les fils de commande et d'alimentation."
- Au niveau du AMP REMOTE IN de l'amplificateur de puissance option
Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
- Vers le connecteur du signal d'éclairage de la voiture
Raccordez d'abord le fil de masse noir à un point métallique de la voiture.
- 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 de la voiture.
 - Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, voir "Remarques sur les fils de commande et d'alimentation."
 - Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.
- À la borne +12 V qui est alimentée en permanence
Raccordez d'abord le fil de masse noir à un point métallique de la voiture.

Remarques sur les fils de commande et d'alimentation

- Le fil de commande de l'antenne électrique (bleu) fournit une alimentation de +12 V CC lorsque vous mettez la radio sous tension.
- Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, raccordez la sortie de commande de l'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.
- Une antenne électrique sans boîtier 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-parleur au châssis de la voiture et ne raccordez pas les bornes du haut-parleur 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. Si 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 enceintes et l'amplificateur ne sont pas raccordés correctement, le message "Failure" s'affiche. Dans ce cas, assurez-vous que les enceintes et l'amplificateur sont bien raccordés.

Diagrama de conexión (3)

- A una superficie metálica del automóvil
Conecte primero el cable de puesta a masa negro, y después los cables 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 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
 - Sí 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 tierra negro a una superficie metálica del automóvil.
 - Si el automóvil incorpora una antena de FM/AM en el cristal trasero lateral, consulte "Notas sobre los cables de control y de fuente de alimentación."
- Al terminal de alimentación de +12 V que recibe energía sin interrupción
Asegúrese de conectar primero el cable de tierra negro a una superficie metálica del automóvil.

Notas sobre los cables de control y de fuente de alimentación

- El conductor de control de la antena motorizada (azul) suministrará +cc 12 V cuando conecte la alimentación del sintonizador.
- Si el automóvil dispone de una antena de FM/AM incorporada en el cristal trasero o lateral, conecte el cable de control de antena motorizada (azul) o el cable de entrada de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener información detallada, 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 ponga la llave de encendido en la posición OFF.

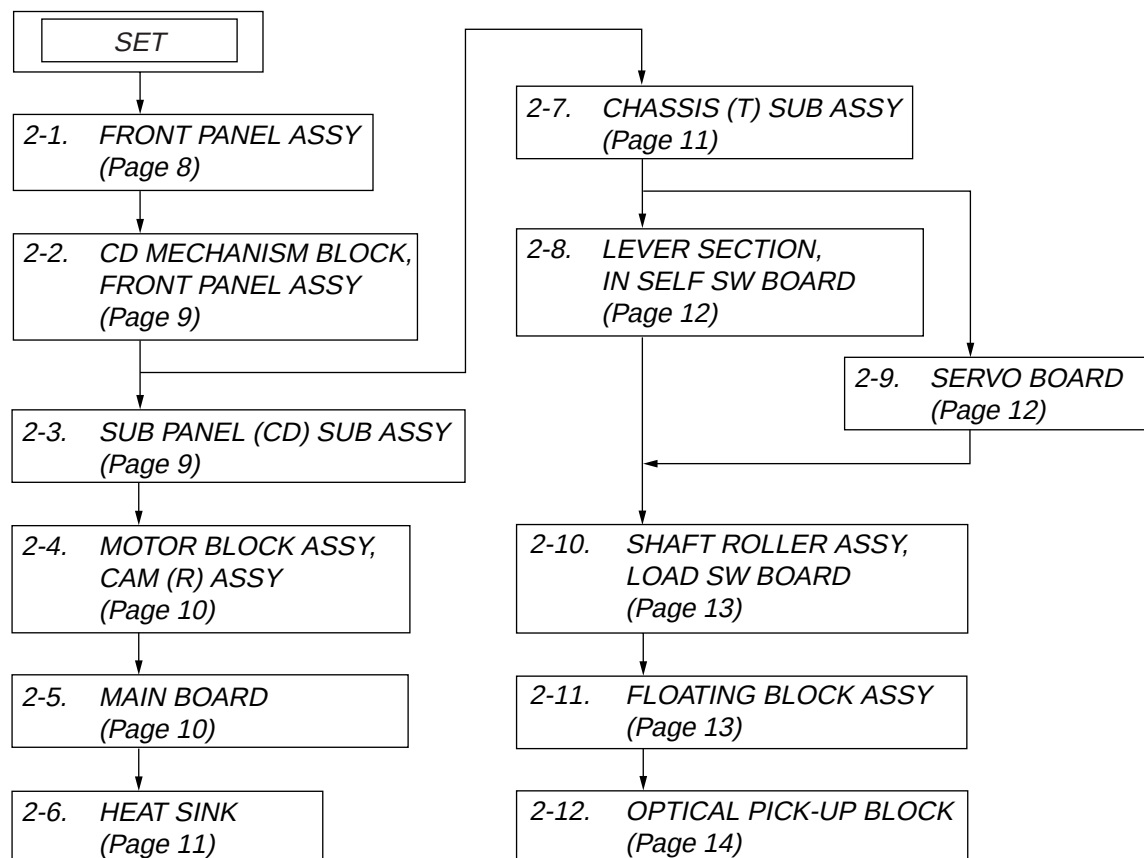
Notas sobre la conexión de los altavoces

- 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 puesta a masa de esta unidad al terminal negativo (-) del altavoz.
- No intente conectar los altavoces en paralelo.
- Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.
- Para evitar fallos 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.

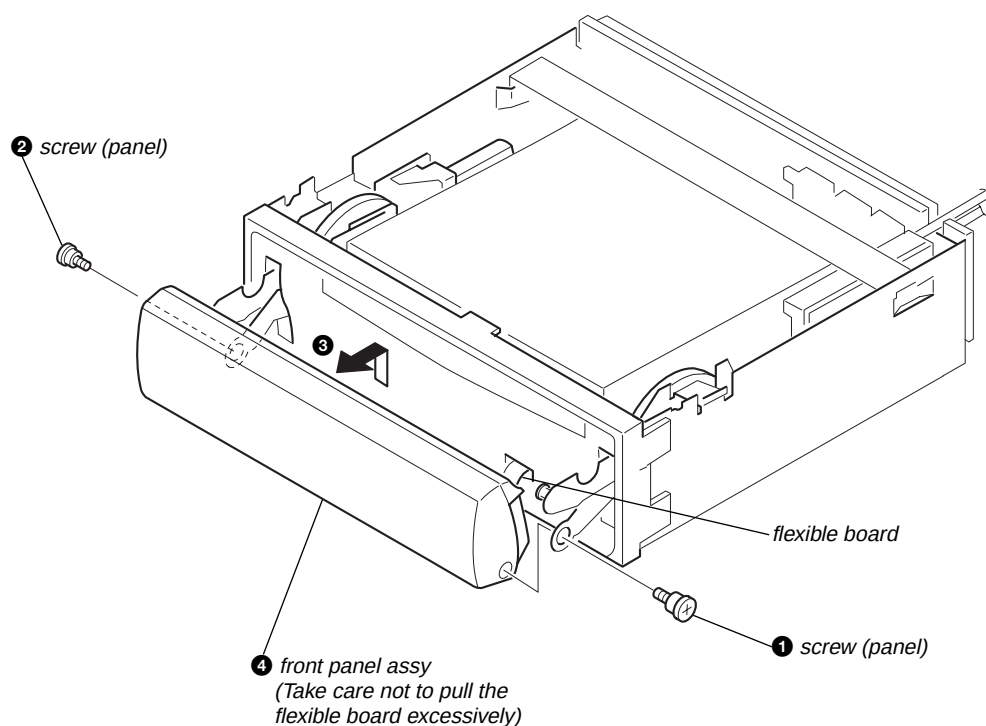
SECTION 2 DISASSEMBLY

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

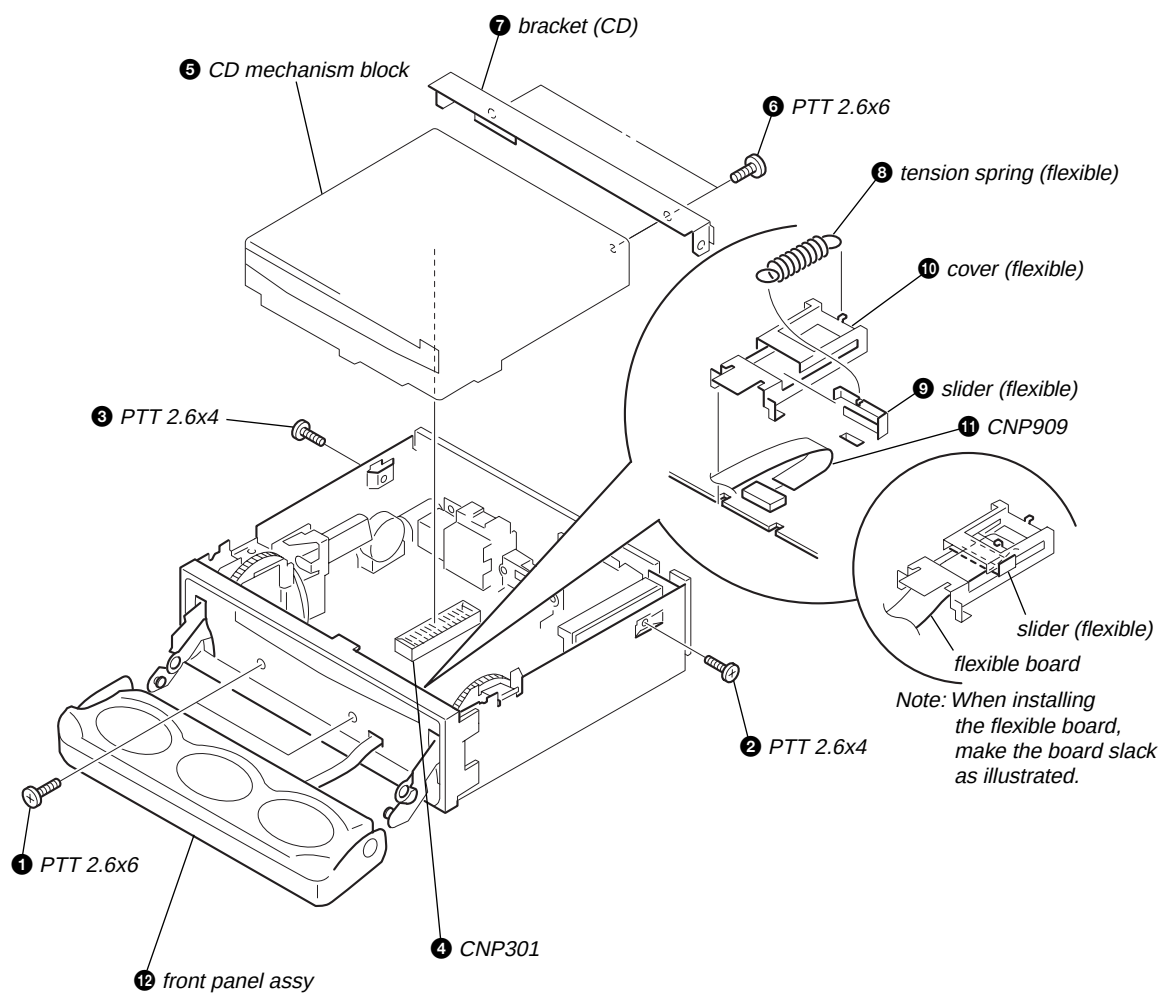


Note : Follow the disassembly procedure in the numerical order given.

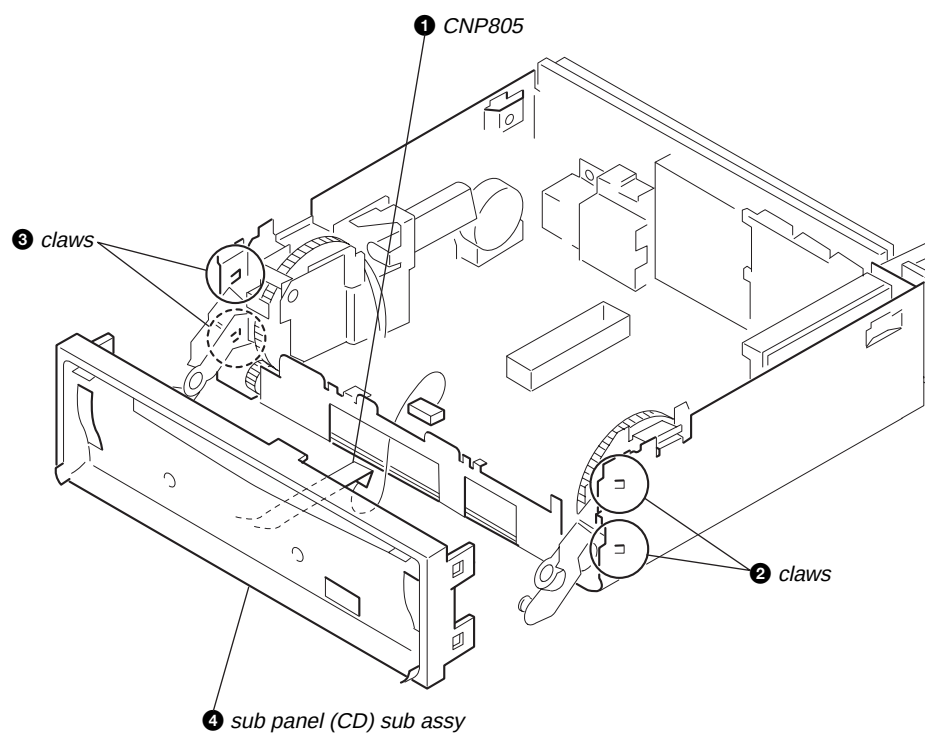
2-1. FRONT PANEL ASSY



2-2. CD MECHANISM BLOCK, FRONT PANEL ASSY

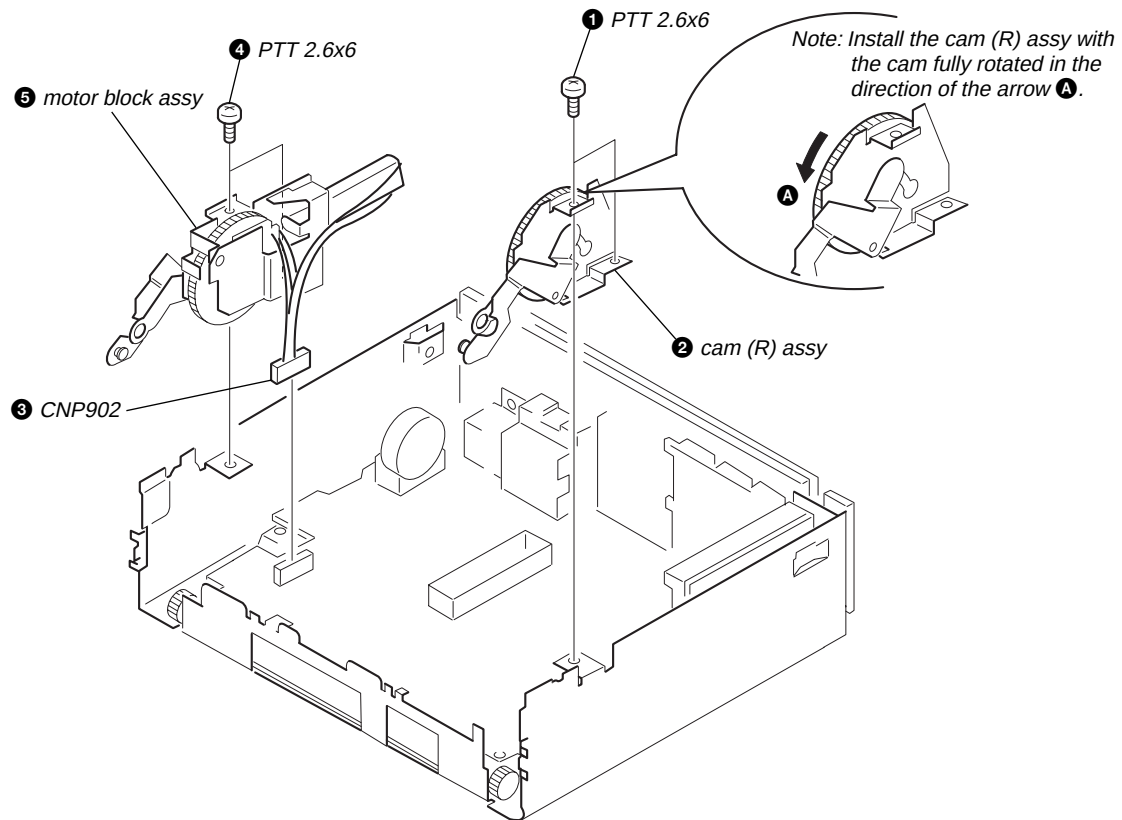


2-3. SUB PANEL (CD) SUB ASSY

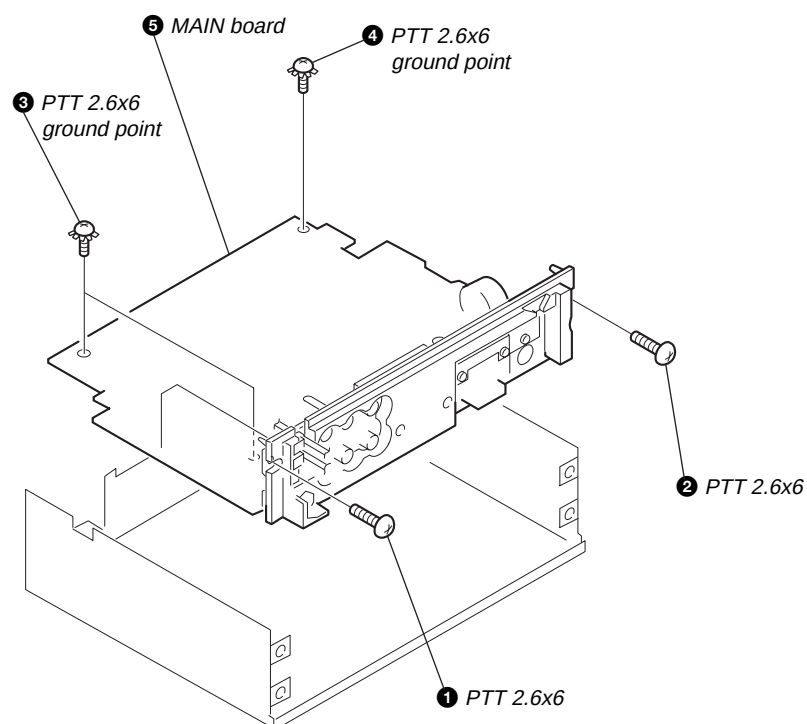


2-4. MOTOR BLOCK ASSY, CAM (R) ASSY

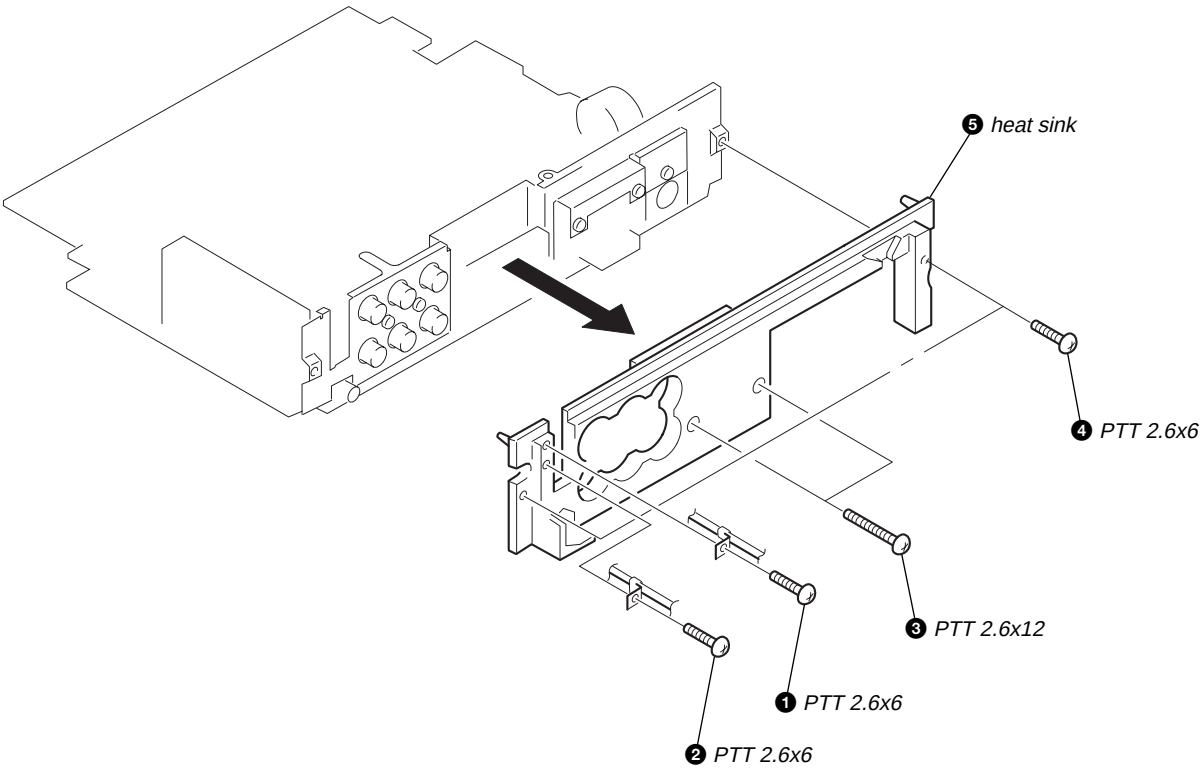
Note : Install the motor block assy and cam (R) assy in this order.
For phase alignment between cams (L) and (R), see page 15 and 17.



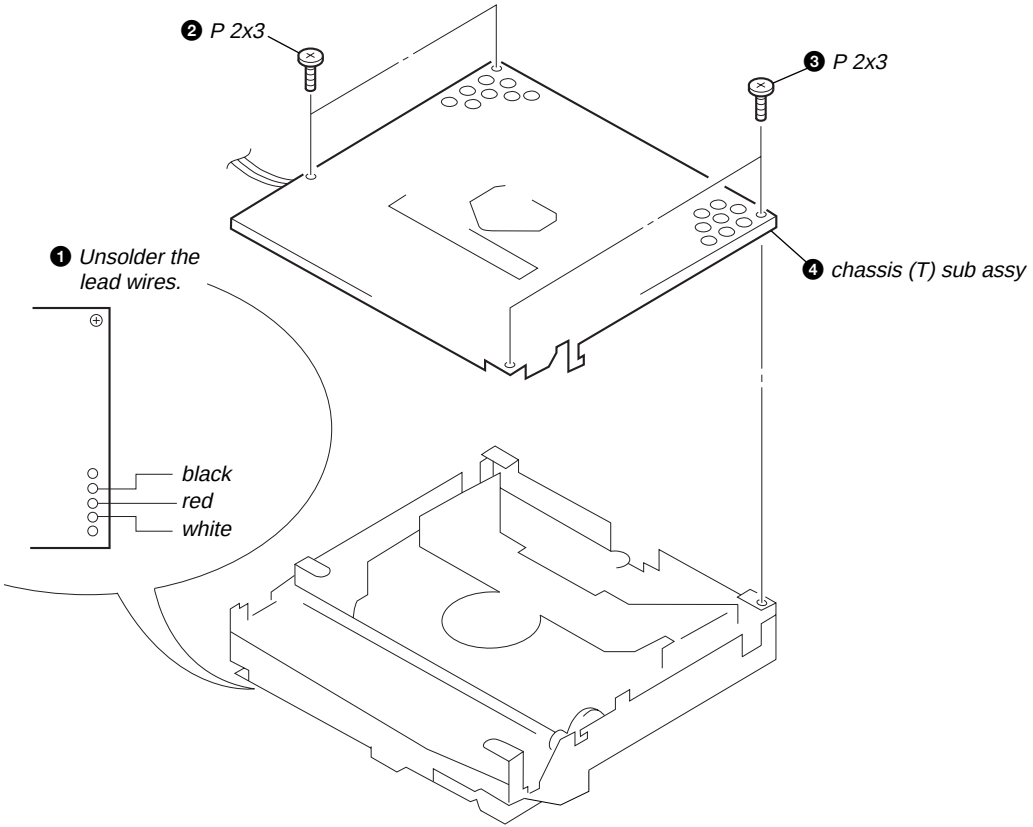
2-5. MAIN BOARD



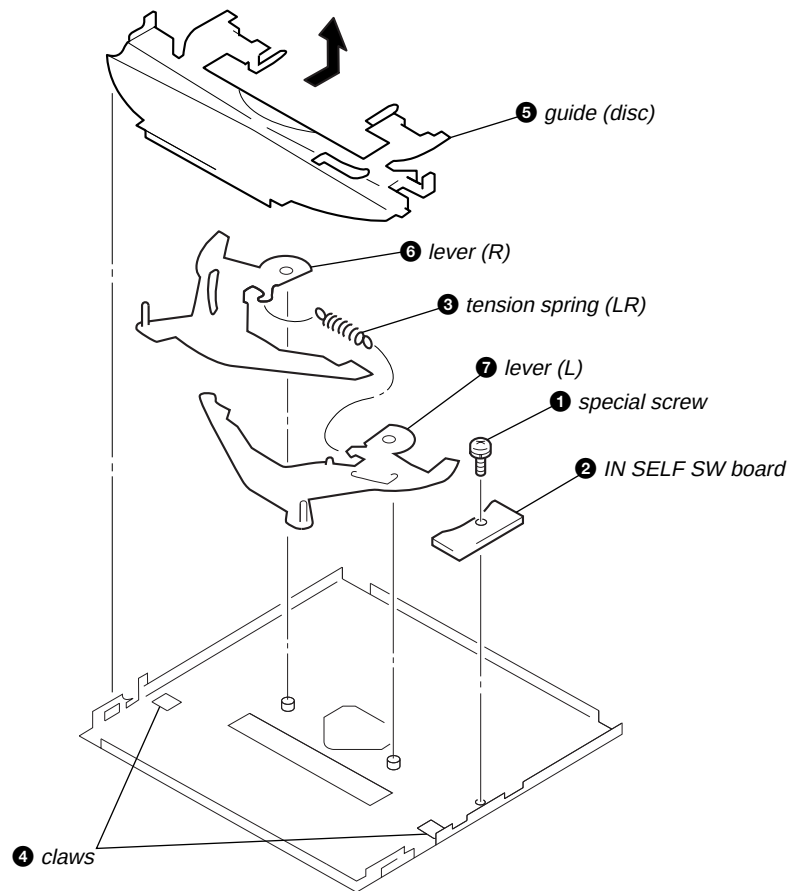
2-6. HEAT SINK



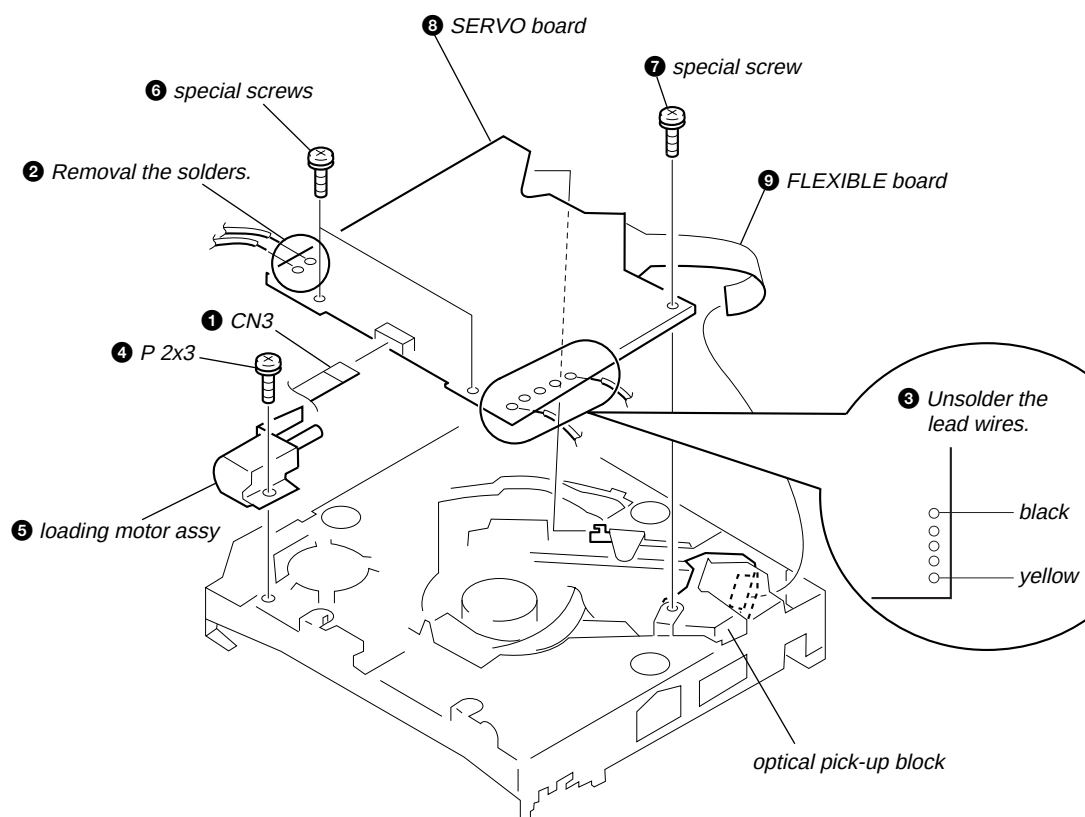
2-7. CHASSIS (T) SUB ASSY



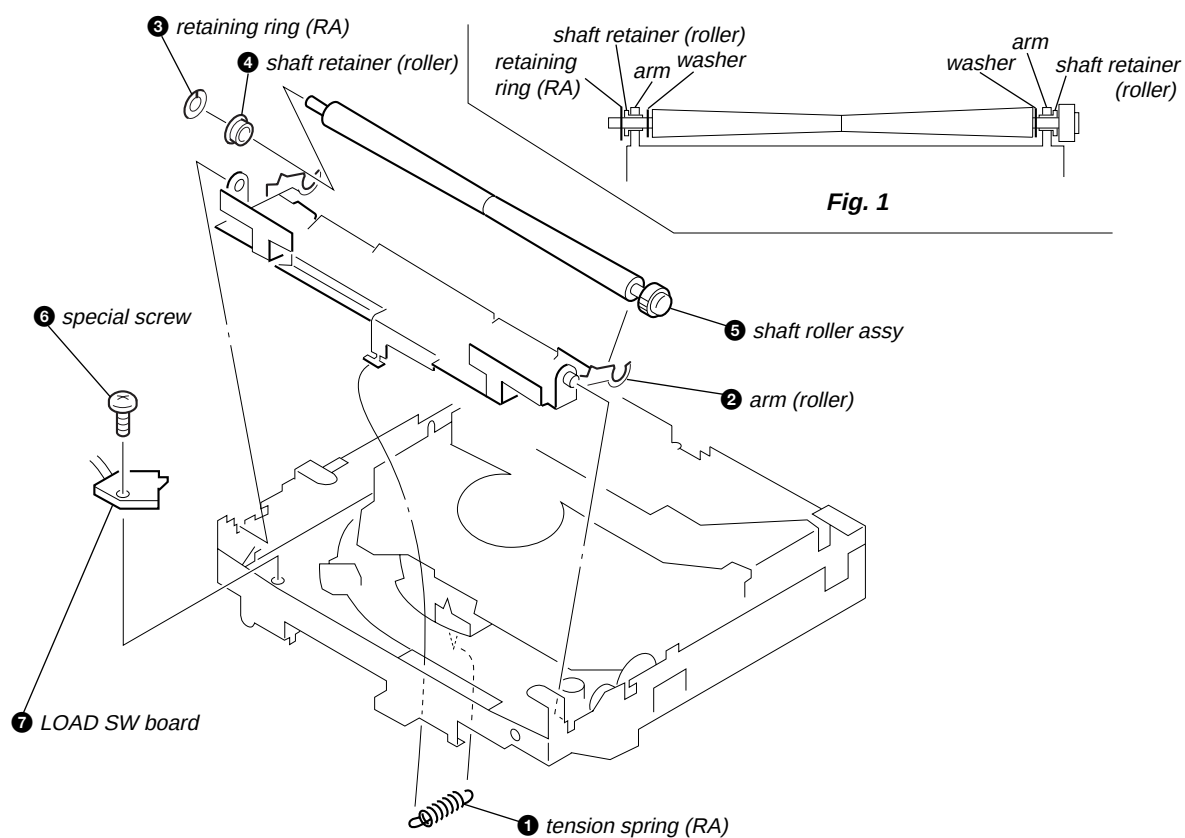
2-8. LEVER SECTION, IN SELF SW BOARD



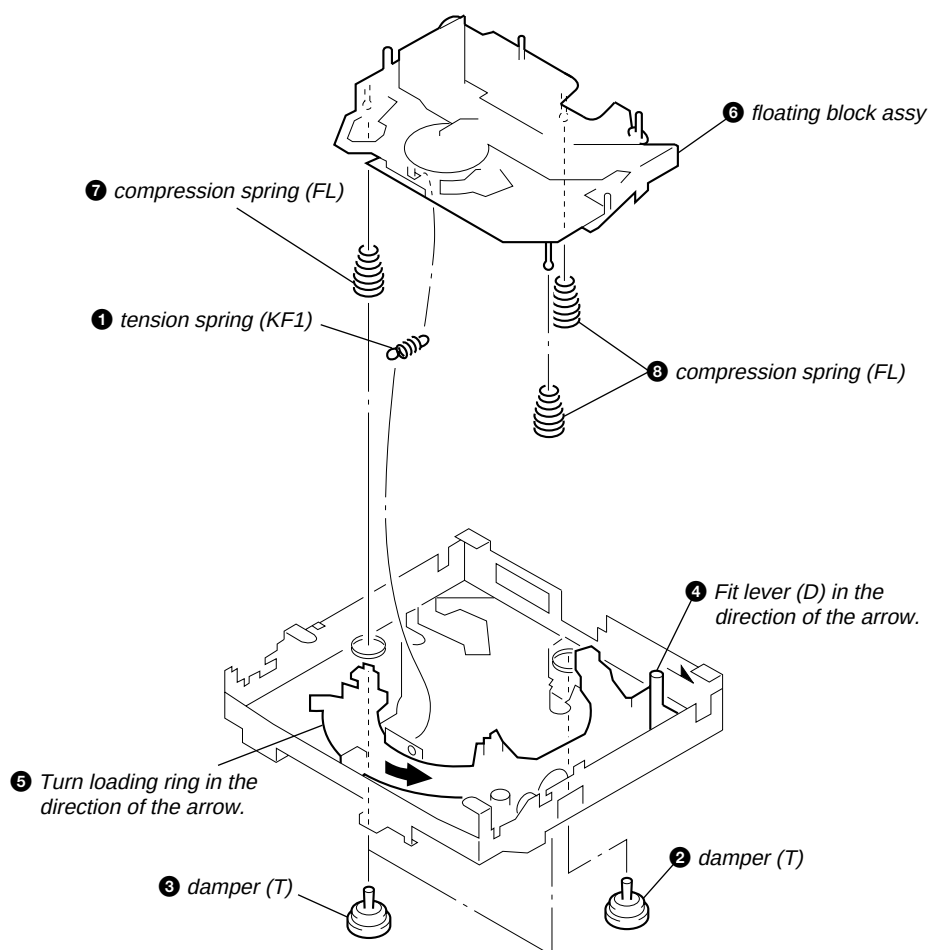
2-9. SERVO BOARD



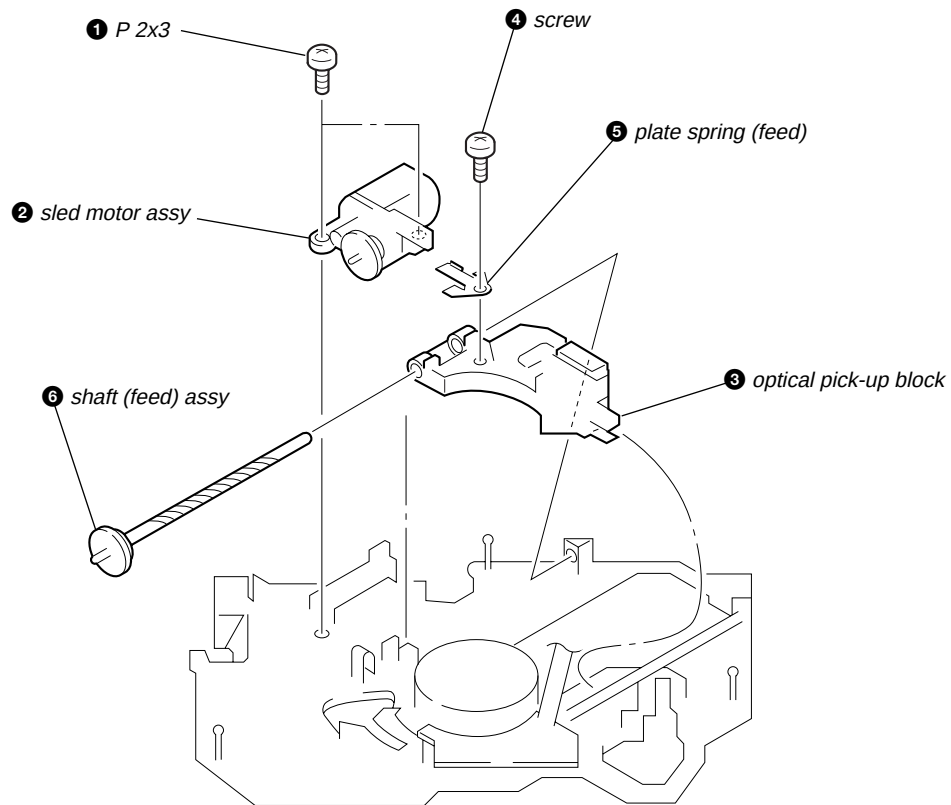
2-10. SHAFT ROLLER ASSY, LOAD SW BOARD



2-11. FLOATING BLOCK ASSY

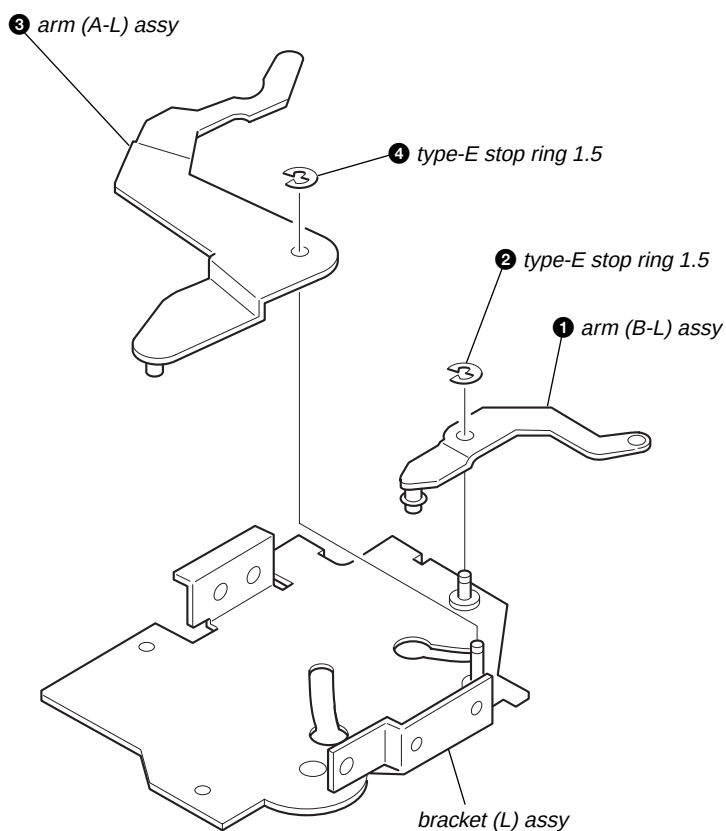


2-12. OPTICAL PICK-UP BLOCK



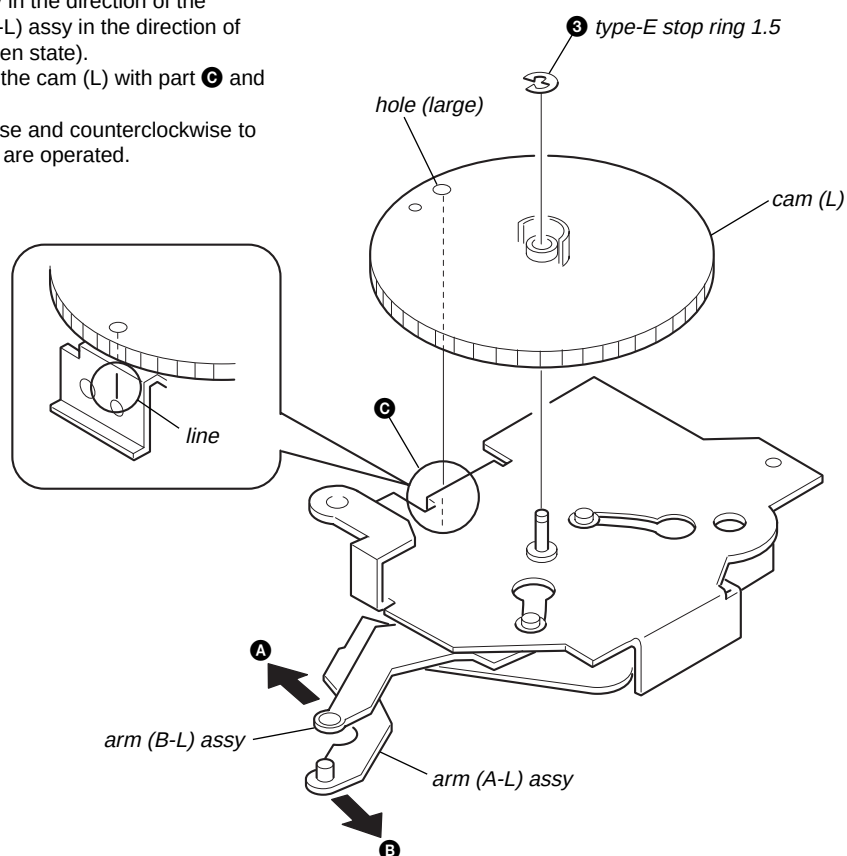
SECTION 3 PHASE ALIGNMENT

3-1. ARM (A-L) ASSY, ARM (B-L) ASSY



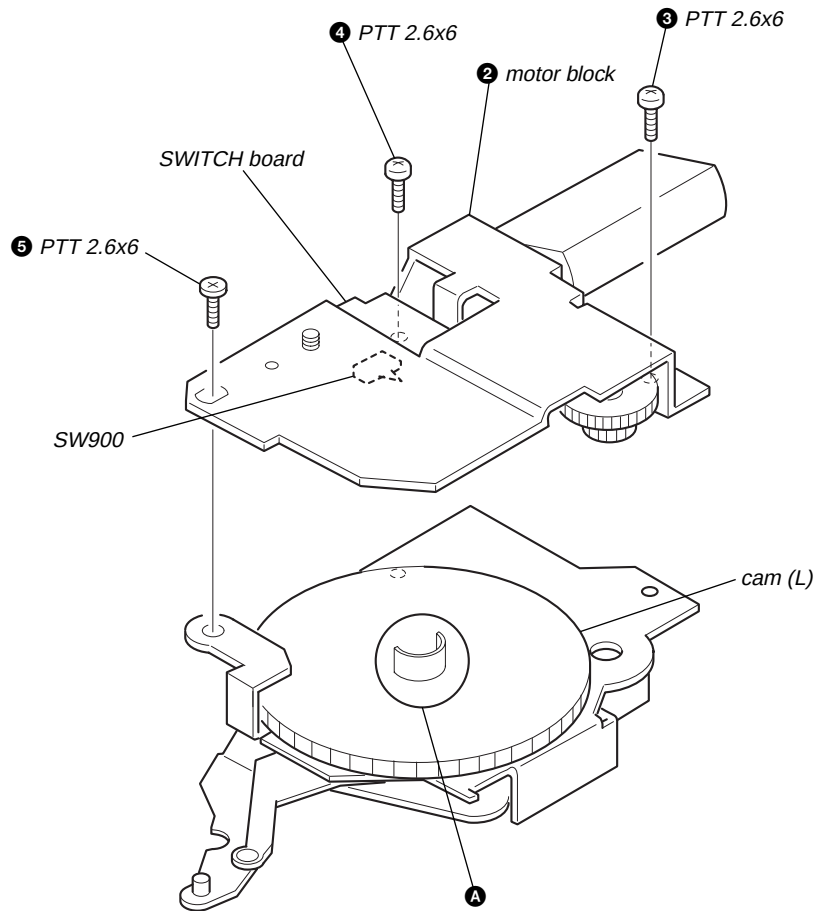
3-2. CAM (L)

- 1 Move the arm (B-L) assy in the direction of the arrow **A** and the arm (A-L) assy in the direction of the arrow **B** fully (full open state).
- 2 Align the hole (large) on the cam (L) with part **C** and install the cam.
- 4 Turn the cam (L) clockwise and counterclockwise to verify that both the arms are operated.



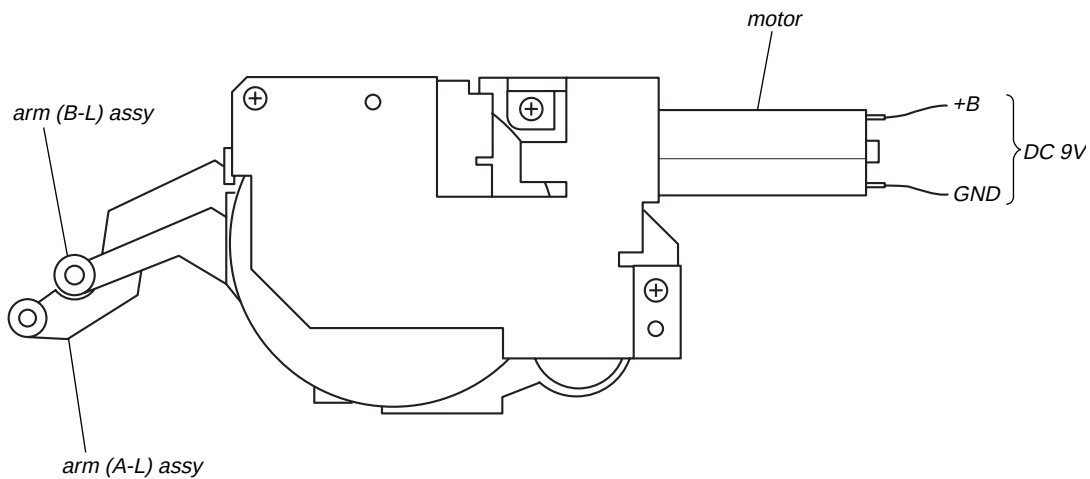
3-3. MOTOR BLOCK

- ❶ Turn the cam (L) and position the cam so that part **A** does not touch the SW board SW900.

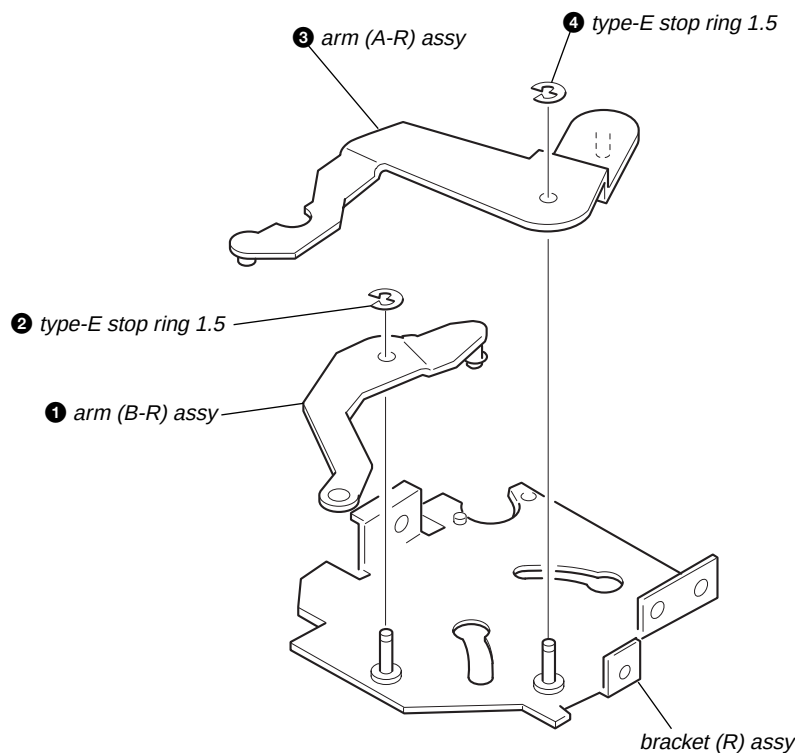


3-4. ALIGNMENT BETWEEN ARM (A-L) ASSY AND ARM (B-L) ASSY

- ❶ Input 9V DC to the motor terminal until the cam (L) stops rotating.
Take care to avoid overload of the motor.
- ❷ Verify that the arm (A-L) assy and arm (B-L) assy are positioned as shown below (full open).

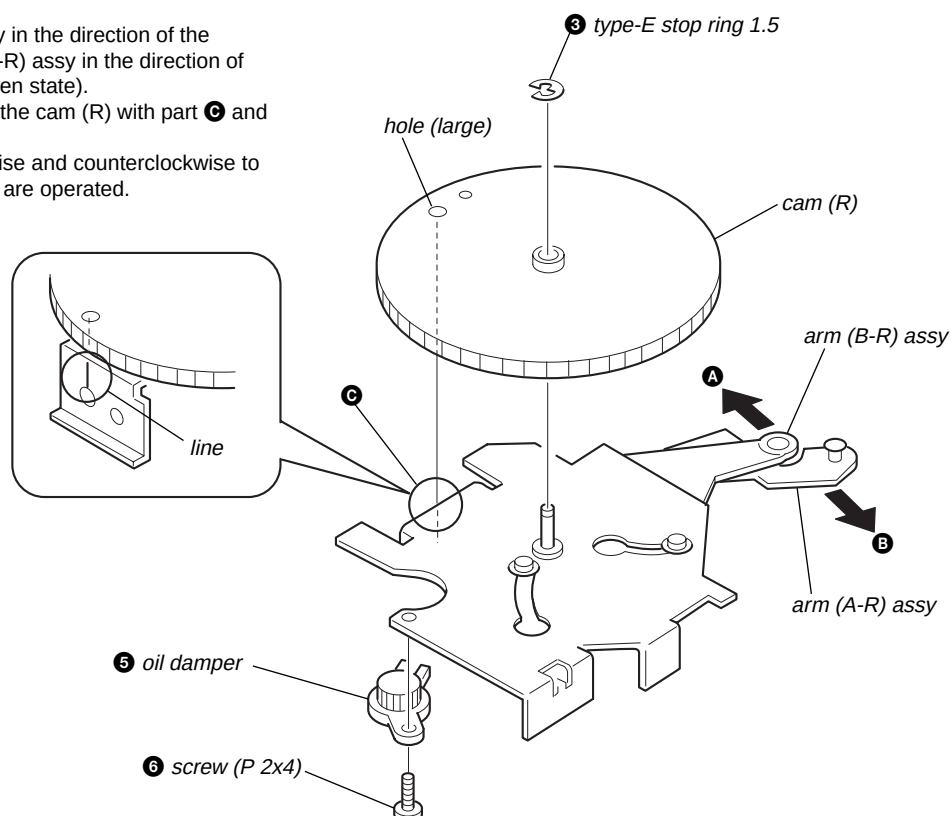


3-5. ARM (A-R) ASSY, ARM (B-R) ASSY



3-6. CAM (R)

- 1 Move the arm (B-R) assy in the direction of the arrow **A** and the arm (A-R) assy in the direction of the arrow **B** fully (full open state).
- 2 Align the hole (large) on the cam (R) with part **C** and install the cam.
- 4 Turn the cam (R) clockwise and counterclockwise to verify that both the arms are operated.



SECTION 4 DIAGRAMS

4-1. IC PIN DESCRIPTIONS

- IC303 M30626FHPGP-052 (US, Canadian model) (SYSTEM CONTROL) (MAIN Board (2/2))
- IC303 M30626FHPGP-053 (AEP, UK, E model) (SYSTEM CONTROL) (MAIN Board (2/2))

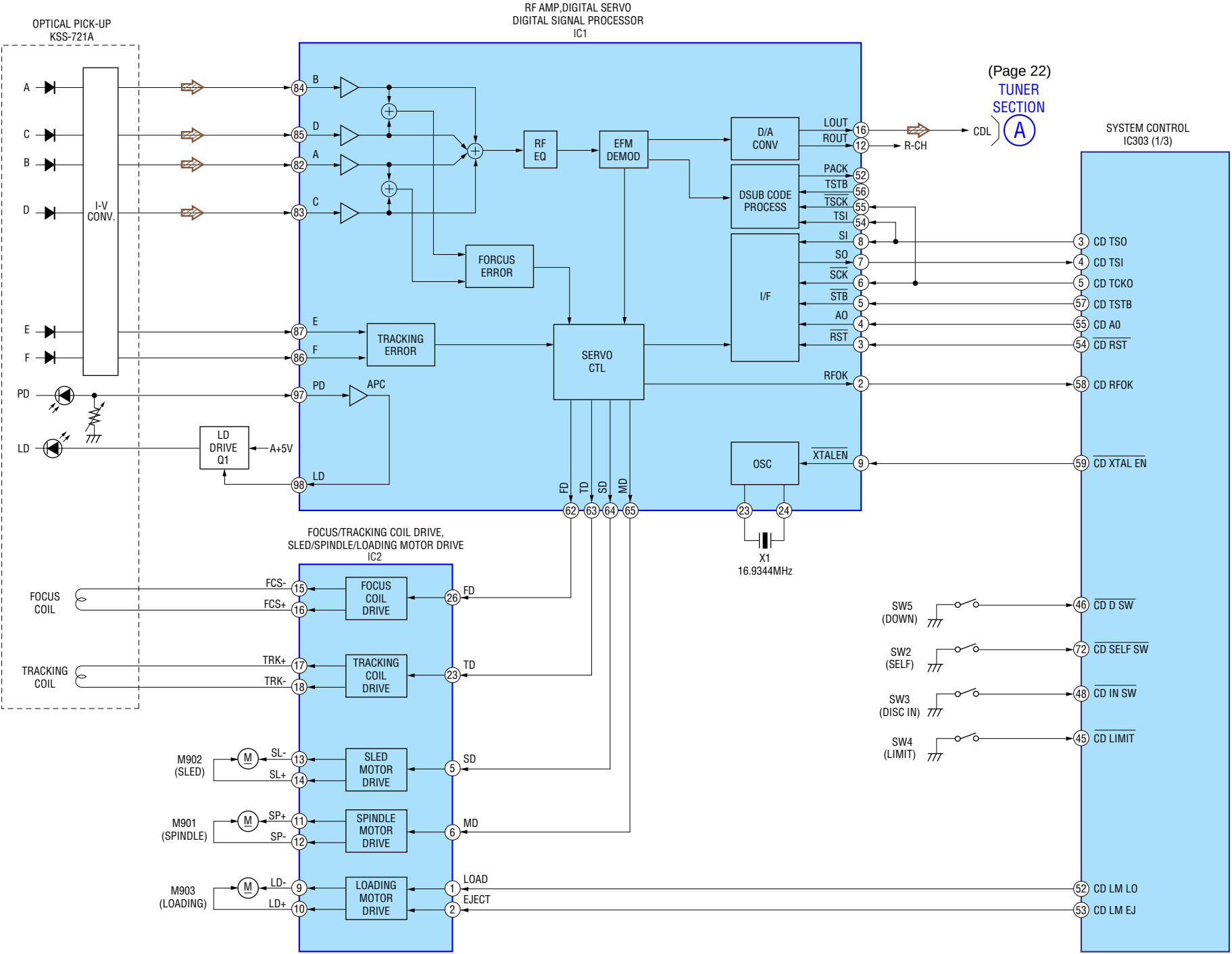
Pin No.	Pin Name	I/O	Pin Description
1	SIRCS	I	Remote control data input
2	FP CTRL	O	Front panel open/close speed control signal
3	CD SO/TSO	O	CD servo serial data output
4	CD SI/TSI	I	CD servo serial data input
5	CD CKO/TCKO	O	CD servo serial clock output
6	BYTE	I	L fixed terminal
7	CNVSS	I	Flash write-in signal input
8	XIN	I	Sub clock signal input (32kHz)
9	XOUT	O	Sub clock signal output (32kHz)
10	RESET	I	CPU reset signal input
11	OSC OUT	O	Main clock signal output (6MHz)
12	VSS	—	Ground
13	OSC IN	I	Main clock signal input (6MHz)
14	VCC1	—	Power supply pin (+5V)
15	NMI	I	Non maskable interrupt signal input
16	CD PACK	I	CD text pack synchronized signal input
17	DAVN	I	RDS data acquisition detect signal
18	BU IN	I	Back-up power detect signal
19	NS MASK	O	Not used. (Open)
20	BEEP	O	Beep signal output
21	FLW IN	I	OSC frequency shift signal for DC/DC conv.
22	NCO	O	Not used. (Open)
23	SA CLK	O	Spectrum analyzer clock signal output
24	TEL ATT	I	telephone mute detect signal input
25	ATT	O	Mute signal output
26	VOL ATT	O	Electronic volume mute signal output
27	I2C CKO	O	Tuner/E-volume BUS clock output
28	I2C SIO	O	Tuner/E-volume BUS data output
29	UNI SO	O	SONY BUS data output
30	UNI SI	I	SONY BUS data input
31	UNI CKO	O	SONY BUS clock output
32	TUNER ATT	O	Tuner attenuate signal output
33	EESIO	I/O	EEPROM data input/output
34	EECKO	O	EEPROM clock output
35	NCO	O	Not used. (Open)
36	ADSO1	O	Not used. (Open)
37	ADSO2	O	Not used. (Open)
38	NCO	O	Not used. (Open)
39	HOLD	I	Flash write-in signal input
40	AMP DIAG	I	Amplifier diagnosis signal input
41	AMP STB	O	Amplifier strobe signal output
42	AMP ON	O	Not used. (Open)
43	TUNER ON	O	Not used. (Open)
44	WRI/WR	I	Flash write-in signal input
45	CD LIMIT	I	CD limit detect signal input
46	CD D SW	I	CD disc SW detect signal input
47	CD PH1	I	CD PH1 detect signal input
48	CD INSW/PH2	I	CD IN SW/PH2 detect signal input
49	PH3	I	CD PH3 detect signal input
50	DST SEL1	I	Destination select signal input

Pin No.	Pin Name	I/O	Pin Description
51	DST SEL2	I	Destination select signal input
52	CD LM LO	O	CD loading motor control signal output
53	CD LM EJ	O	CD eject motor control signal output
54	CD RST	O	CD servo reset signal output
55	CD AO	O	CD servo command/parameter discr. output
56	CD STB	O	CD servo data strobe signal output
57	CD TSTB	O	CD servo text strobe signal output
58	CD RFOK	I	CD servo RFOK signal input
59	CD XTALEN	O	CD servo crystal OSC control signal output
60	VCC2	—	Power supply pin (+5V)
61	RESET OUT	O	Display CPU reset signal output
62	VSS	—	Ground
63	TEST IN	I	Test mode setting detect signal input
64	BUS ON	O	BUS ON control signal output
65	SYS RST	O	System reset signal output
66	BUS/AUX	O	BUS/AUX select control signal output
67	LINK OFF	O	Link OFF control signal output
68	ACC IN	I	Accessory key ON detect signal input
69	ILL IN	I	Illumination line detect signal input
70	RC IN1	I	Rotary commander signal input 1
71	NCO	O	Not used. (Open)
72	CD SELF SW	I	CD self SW detect signal input
73	TU ATT IN	I	Tuner mute control signal input
74	CLOSE SW	I	Front panel close detect signal input
75	OPEN SW	I	Front panel open detect signal input
76	I-DET	I	Front panel current detect signal input
77	MOT-	O	Front panel open/close control signal output
78	MOT+	O	Front panel open/close control signal output
79	ROMC EN	I	ROM correction enable signal input
80	QUALITY	I	Tuner noise detect signal input
81	MPTH	I	Tuner multi-path signal input
82	VSM	I	S-meter signal input
83	SA IN	I	SA data input
84	KEY IN1	I	Key signal input 1
85	KEY IN0	I	Key signal input 0
86	RC IN0	I	Rotary commander signal input 0
87	KEY ACK2	I	Key acknowledge detect signal input 2
88	KEY ACK0	I	Key acknowledge detect signal input 0
89	KEY ACK1	I	Key acknowledge detect signal input 1
90	OPEN KEY	I	Open key detect signal input
91	RAM BU	I	RAM reset detect signal input
92	FLD ON	O	FL driver power supply ON/OFF signal output
93	FL ON	O	FL power supply ON/OFF signal
94	AVSS	—	Ground
95	DISP CE	O	Display CPU chip enable output
96	VREF	—	A/D converter reference voltage (+5V)
97	AVCC	—	Power supply pin (+5V)
98	DISP SI/RX	I	Display CPU BUS data input
99	DISP SO/TX	O	Display CPU BUS data output
100	DISP CKO	O	Display CPU BUS clock output

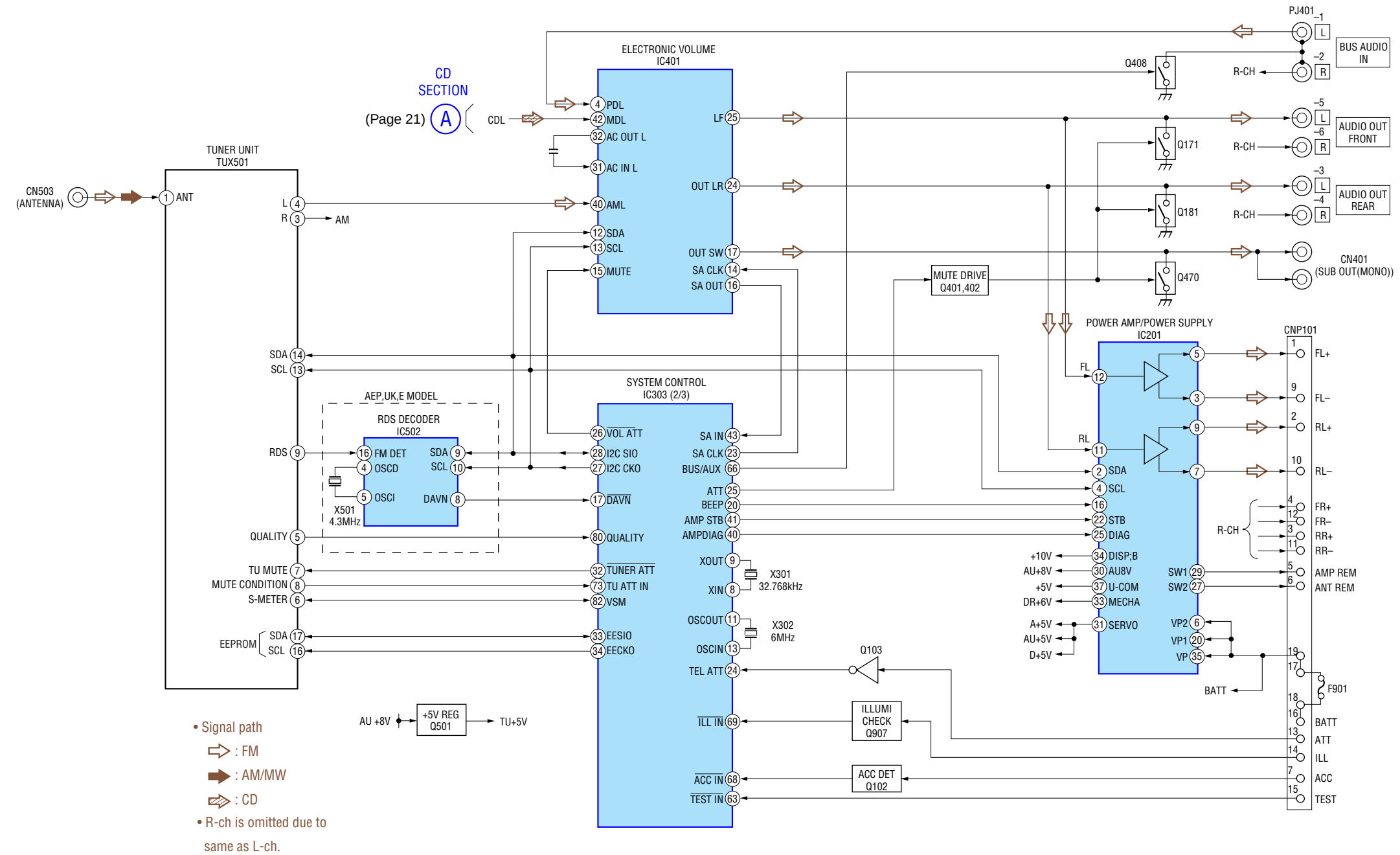
• IC2 M30833FJGP-066 (DISPLAY SYSTEM CONTROL) (DISPLAY Board)

Pin No.	Pin Name	I/O	Pin Description
1	SYS RST	I	Main chip enable input
2	NC	I	Not used. (Open)
3	FL DATA3	O	FL serial data output
4	NC	O	Not used. (Open)
5	FL CLK IN	I	FL serial clock input
6	BYTE	I	L fixed terminal
7	CNVSS	I	Flash write-in signal input
8	NC	O	Not used. (Open)
9	NC	O	Not used. (Open)
10	RESET	I	CPU reset signal input
11	XOUT	O	Main clock signal output (30MHz)
12	VSS	—	Ground
13	XIN	I	Main clock signal input (30MHz)
14	VCC	—	Power supply pin (+5V)
15	NMI	I	Non maskable interrupt signal input
16	NC	O	Not used. (Open)
17	NC	O	Connecting to pin 20.
18	NC	O	Not used. (Open)
19	NC	O	Not used. (Open)
20	NC	O	Connecting to pin 17.
21	LAT	O	FL data LAT output
22	BK	O	FL BK output
23	GCP2	O	FL GCP2 output
24	NC	O	Not used. (Open)
25	GCP1	O	FL GCP1 output
26	NC	O	Not used. (Open)
27	GCP4	O	FL GCP4 output
28	GCP3	O	FL GCP3 output
29	SYS SO	O	Main BUS data output
30	SYS SI	I	CPU BUS data input
31	SYS CLK	O	Main BUS clock input
32	NC	O	Not used. (Open)
33	FL DAT1	O	FL serial data output
34	NC	O	Not used. (Open)
35	FL CLK	O	FL serial clock output
36	LCD CE	O	LCD driver chip enable output
37	LCD INH	O	LCD driver inhibit output
38	NC	O	Not used. (Open)
39	HOLD	I	Flash write-in signal input
40 – 43	NC	O	Not used. (Open)
44	WRI/WR	I	Flash write-in signal input
45 – 59	NC	O	Not used. (Open)
60	VCC	O	Power supply pin (+5V)
61	NC	O	Not used. (Open)
62	VSS	O	Ground
63 – 93	NC	O	Not used. (Open)
94	AVSS	—	Ground
95	NC	O	Not used. (Open)
96	VREF	—	Power supply pin (+5V)
97	AVCC	—	Power supply pin (+5V)
98	RXD1	—	Not used. (Open)
99	FL DATA2	O	FL serial data output
100	FL CLK IN	I	FL serial clock input

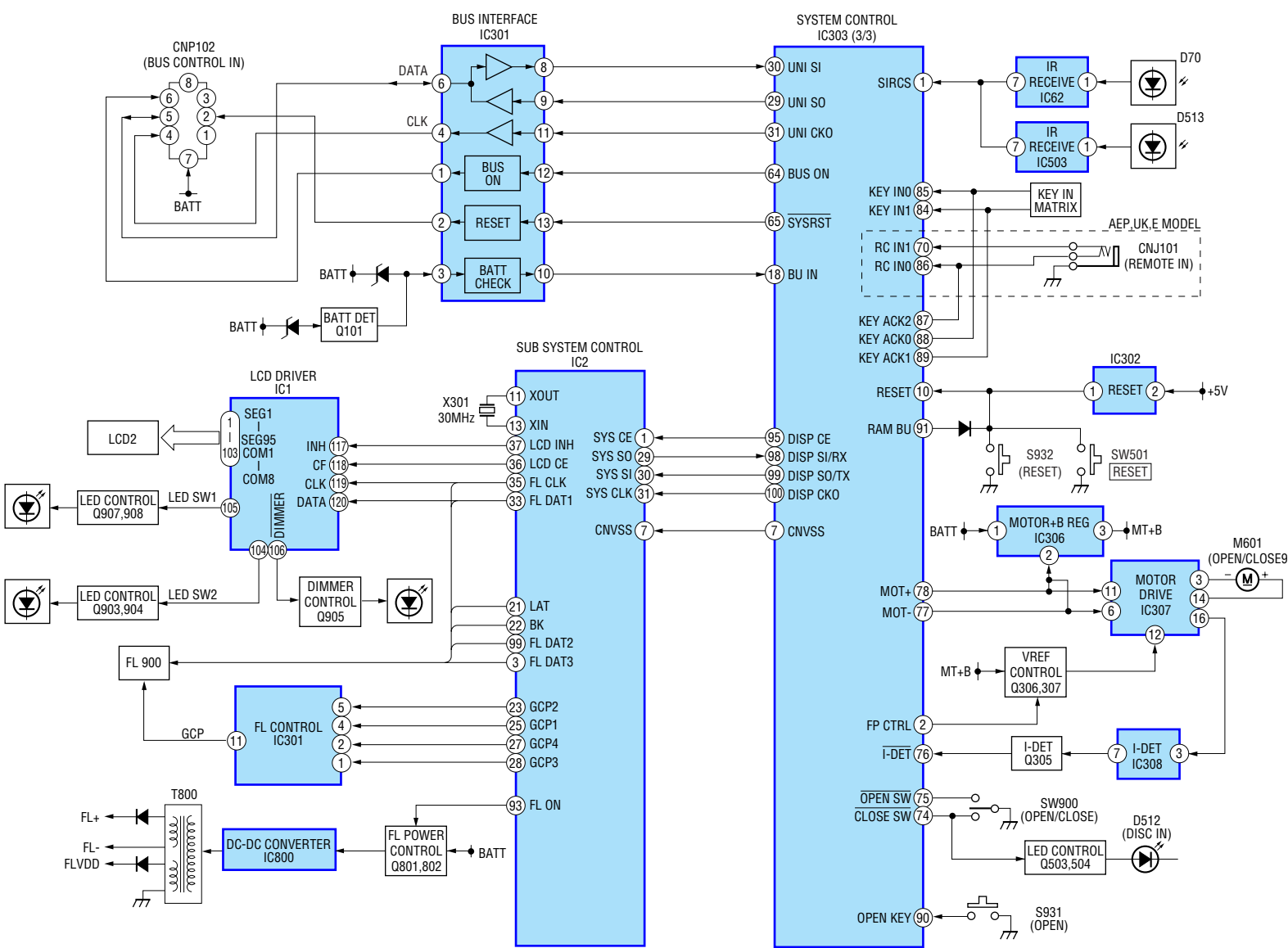
4-2. BLOCK DIAGRAM — CD SECTION —



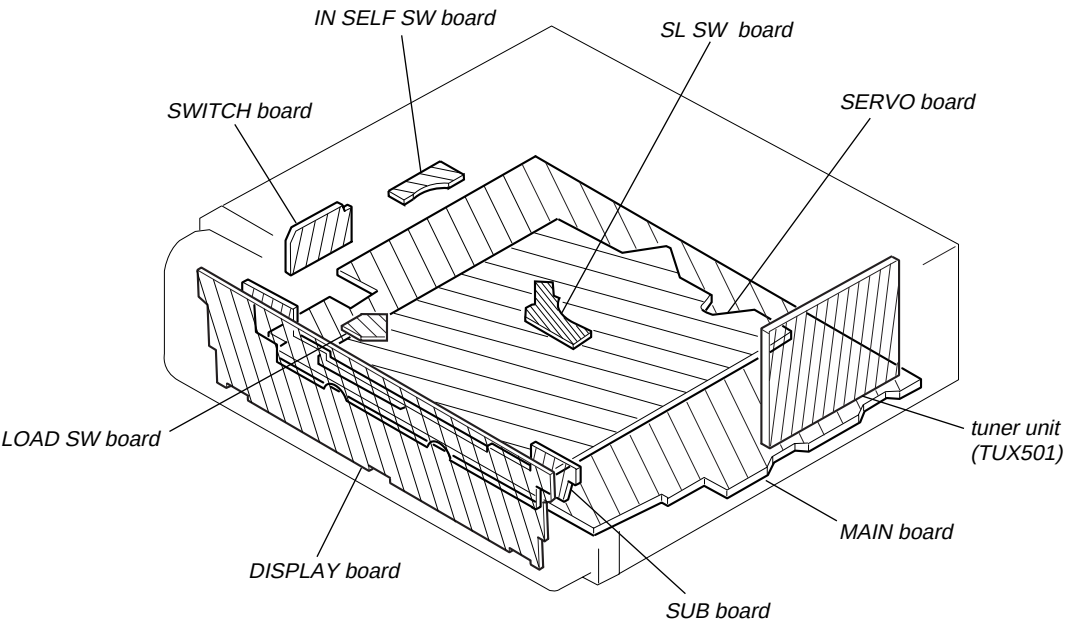
4-3. BLOCK DIAGRAM — TUNER SECTION —



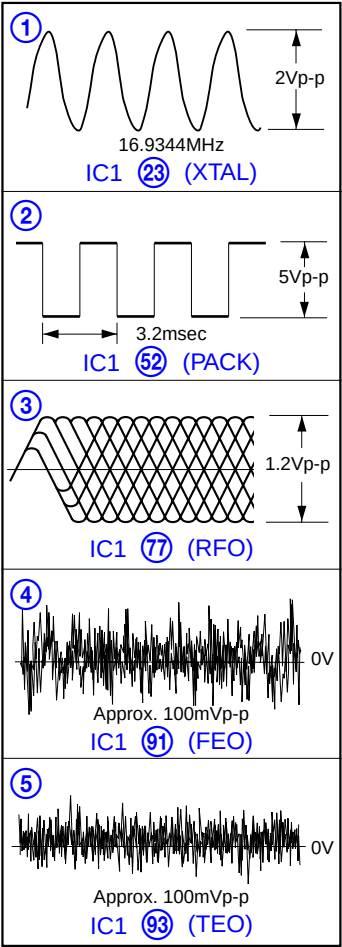
4-4. BLOCK DIAGRAM — DISPLAY SECTION —



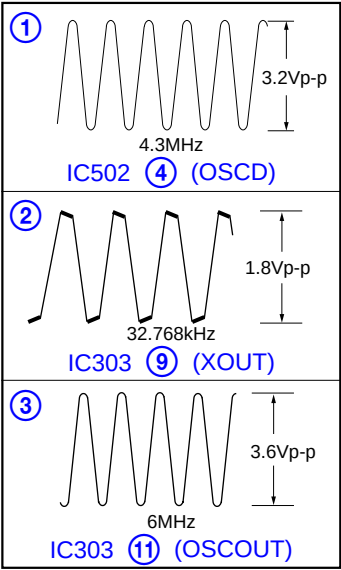
4-5. CIRCUIT BOARDS LOCATION



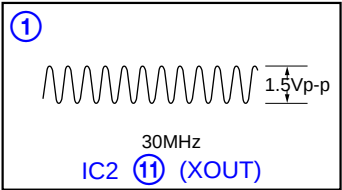
• Waveforms
— Servo Board —
(MODE: CD PLAY)



• Waveforms
— Main Board —
(MODE: FM)



• Waveform
— Display Board —
(MODE: FM)



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. pF: μpF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- % : indicates tolerance.
- 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.
- 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.
 - $\Rightarrow$: FM
 - $\Rightarrow$: AM/MW/LW
 - $\Rightarrow$: CD
- Abbreviation
CND : Canadian model

for printed wiring boards:

- $\circ$: parts extracted from the component side.
- $\square$: parts extracted from the conductor side.
- : parts mounted on the conductor side.
- $\circ$: Through hole.
- $\square$: Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

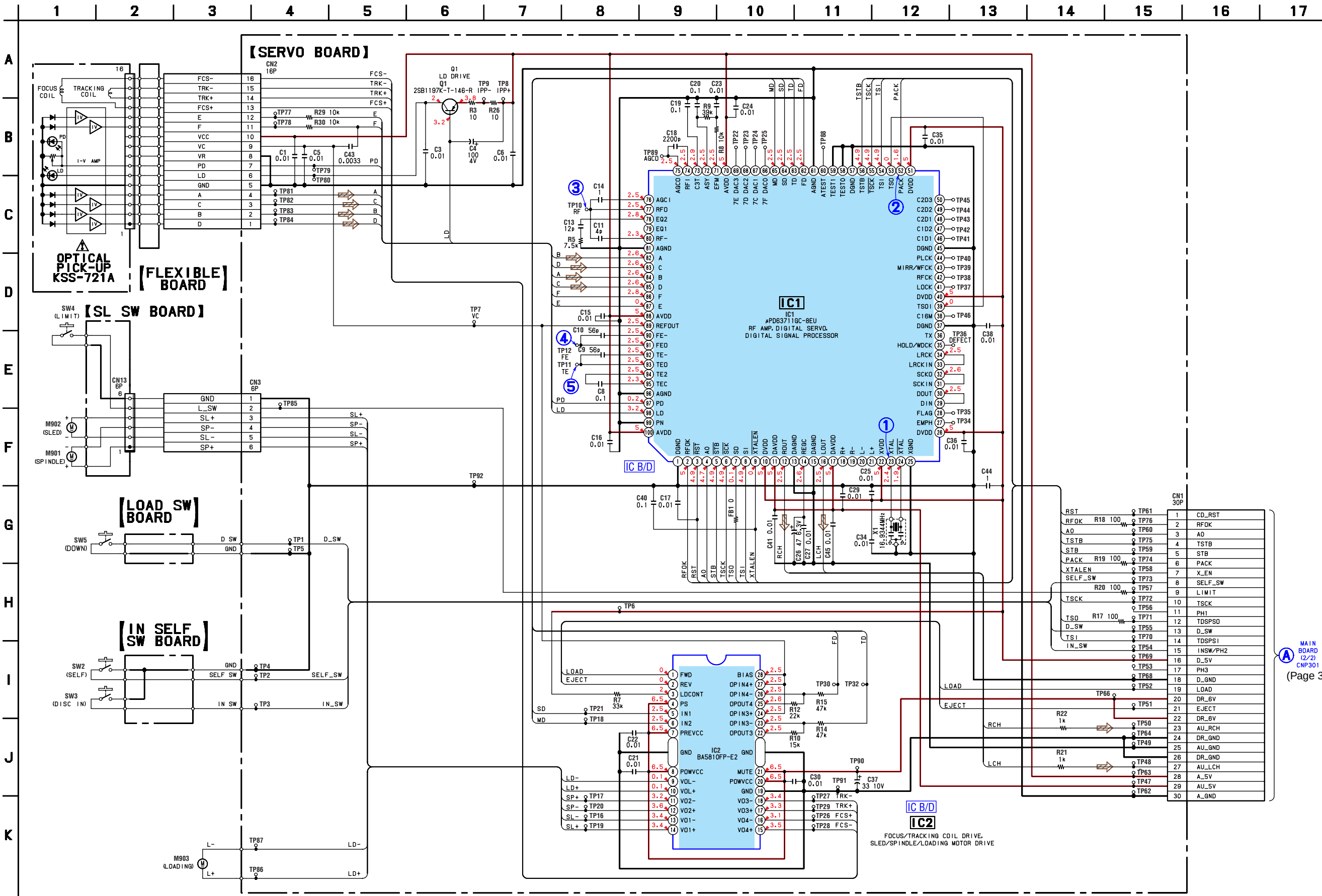
Caution:

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.

- Abbreviation
CND : Canadian model

• Refer to page 24 for Waveforms.

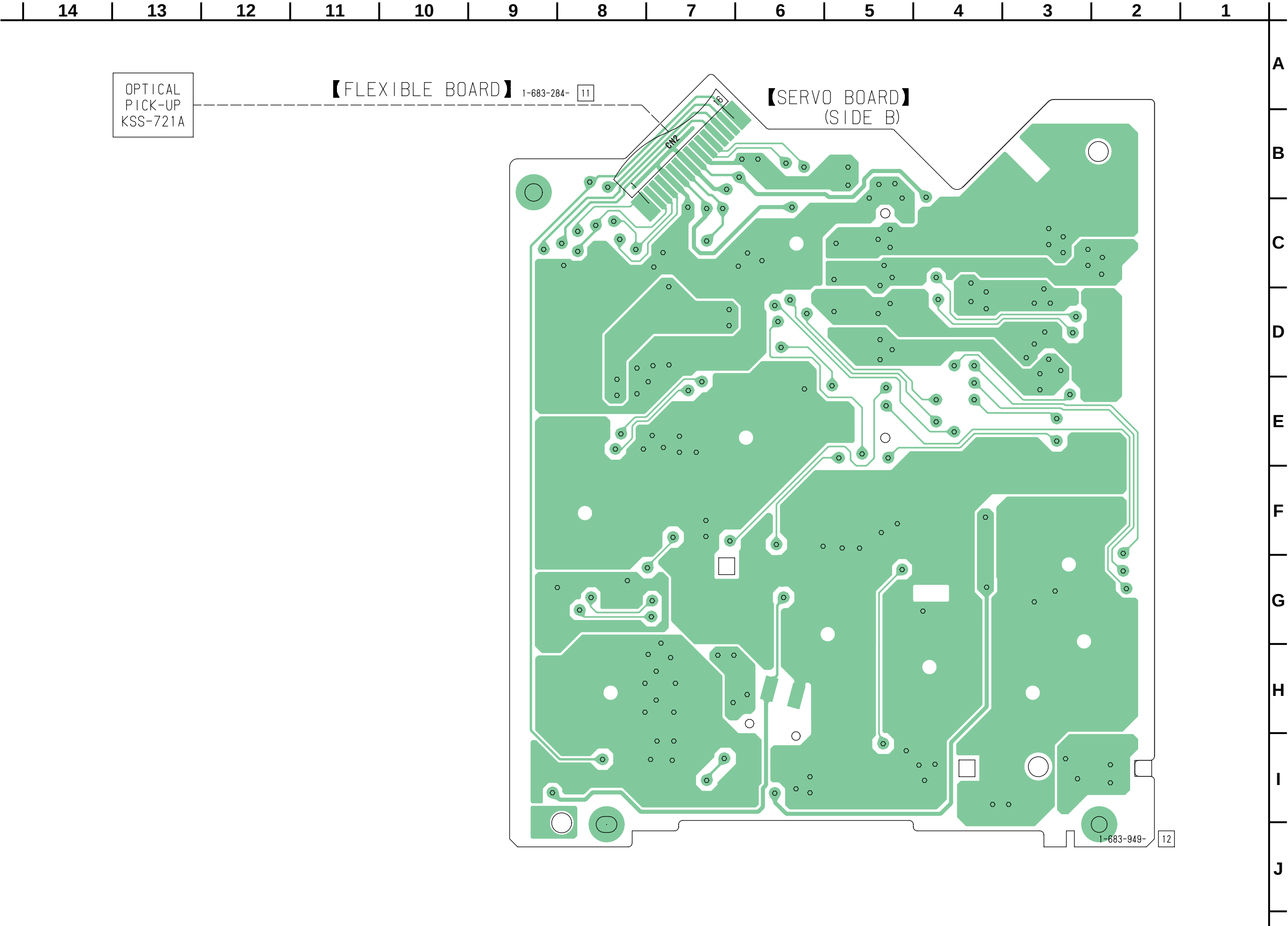
4-6. SCHEMATIC DIAGRAM — CD MECHANISM SECTION — • Refer to page 36 for IC Block Diagram.

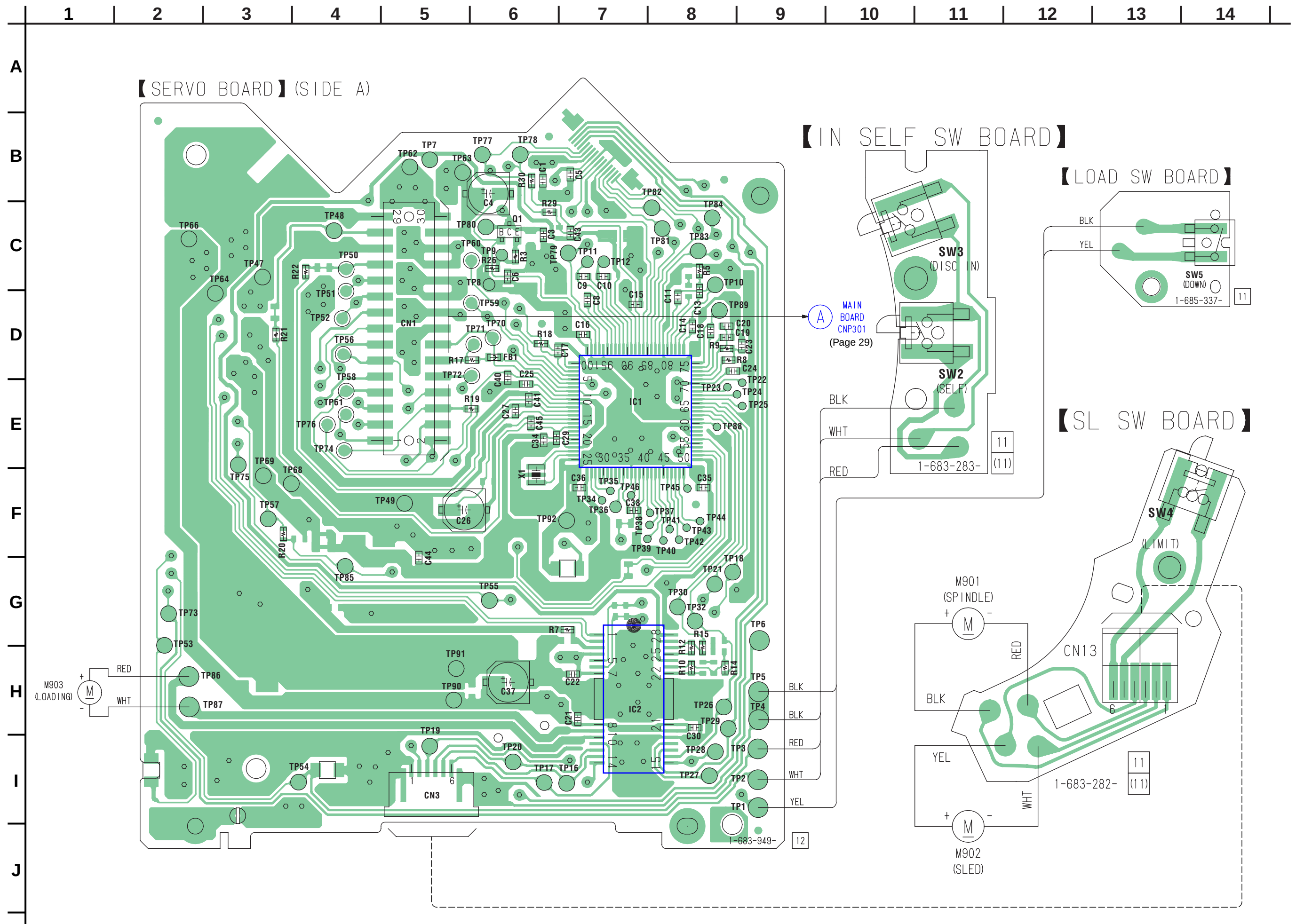


MAIN BOARD (2/2) CNP301 (Page 31)

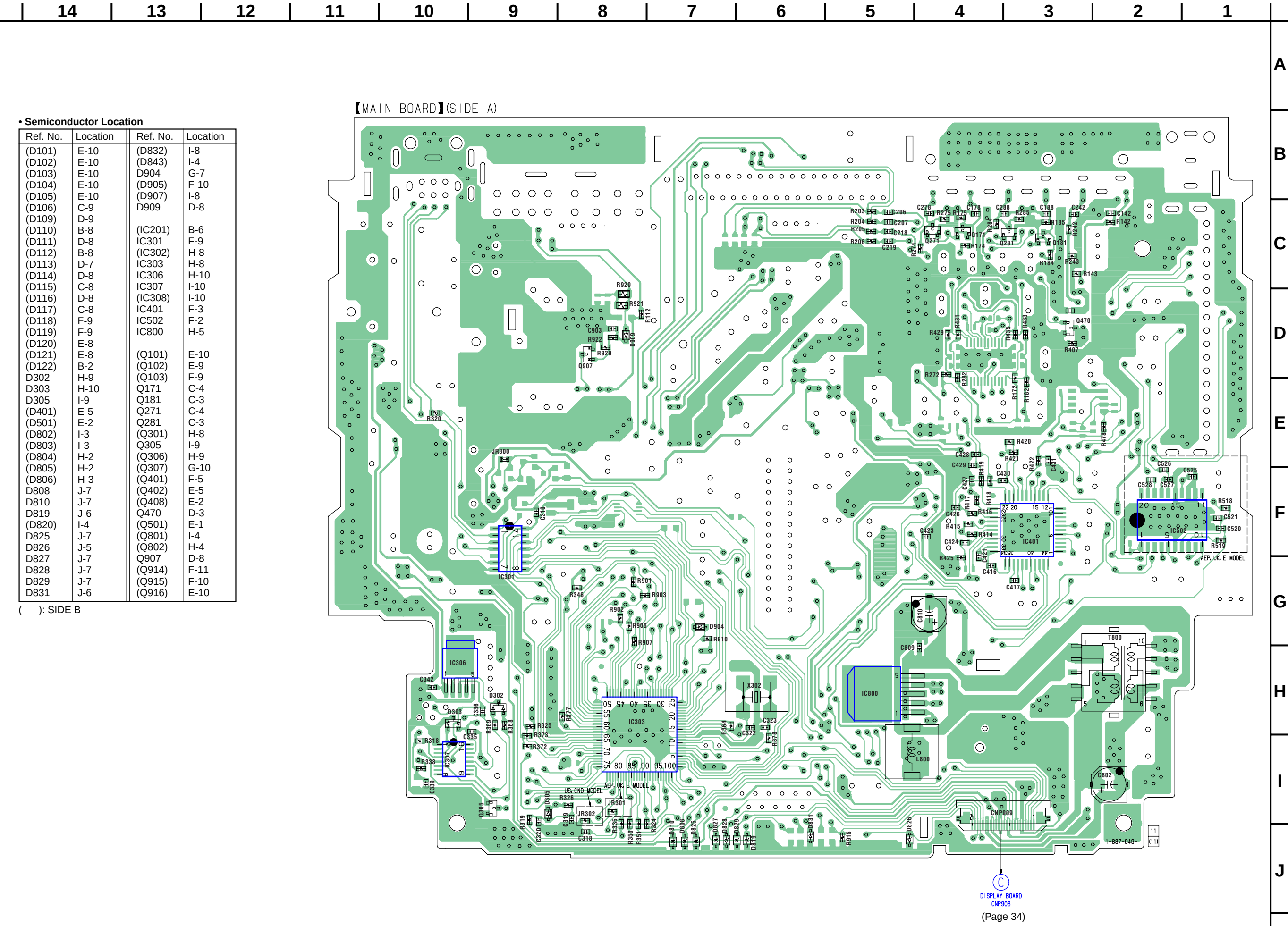
Note:
• Voltage is dc with respect to ground under no-signal conditions.
no mark : CD PLAY

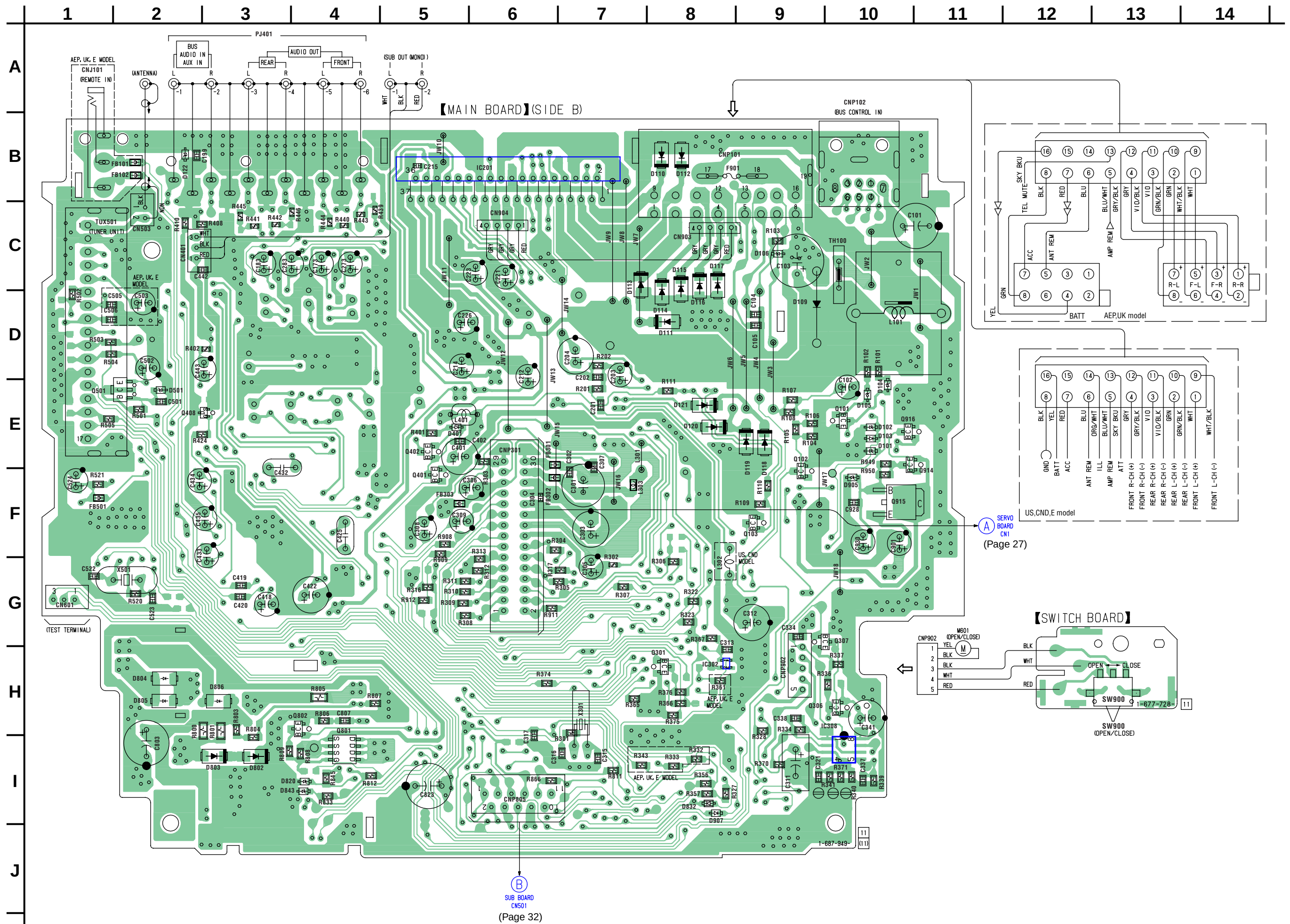
4-7. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 24 for Circuit Boards Location.





4-8. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 24 for Circuit Boards Location.

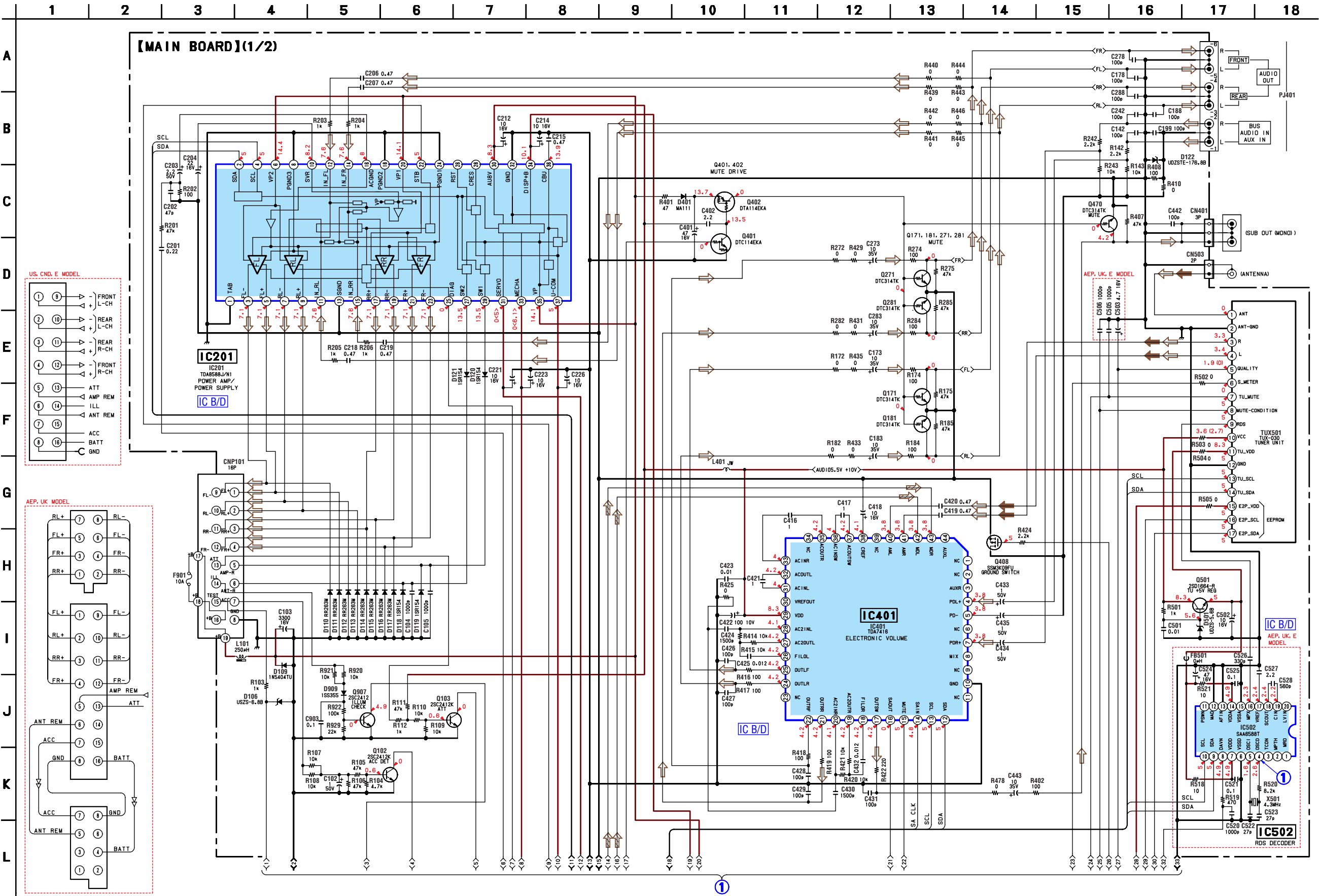




4-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) —

• Refer to page 24 for Waveform.

• Refer to page 36 for IC Block Diagrams.

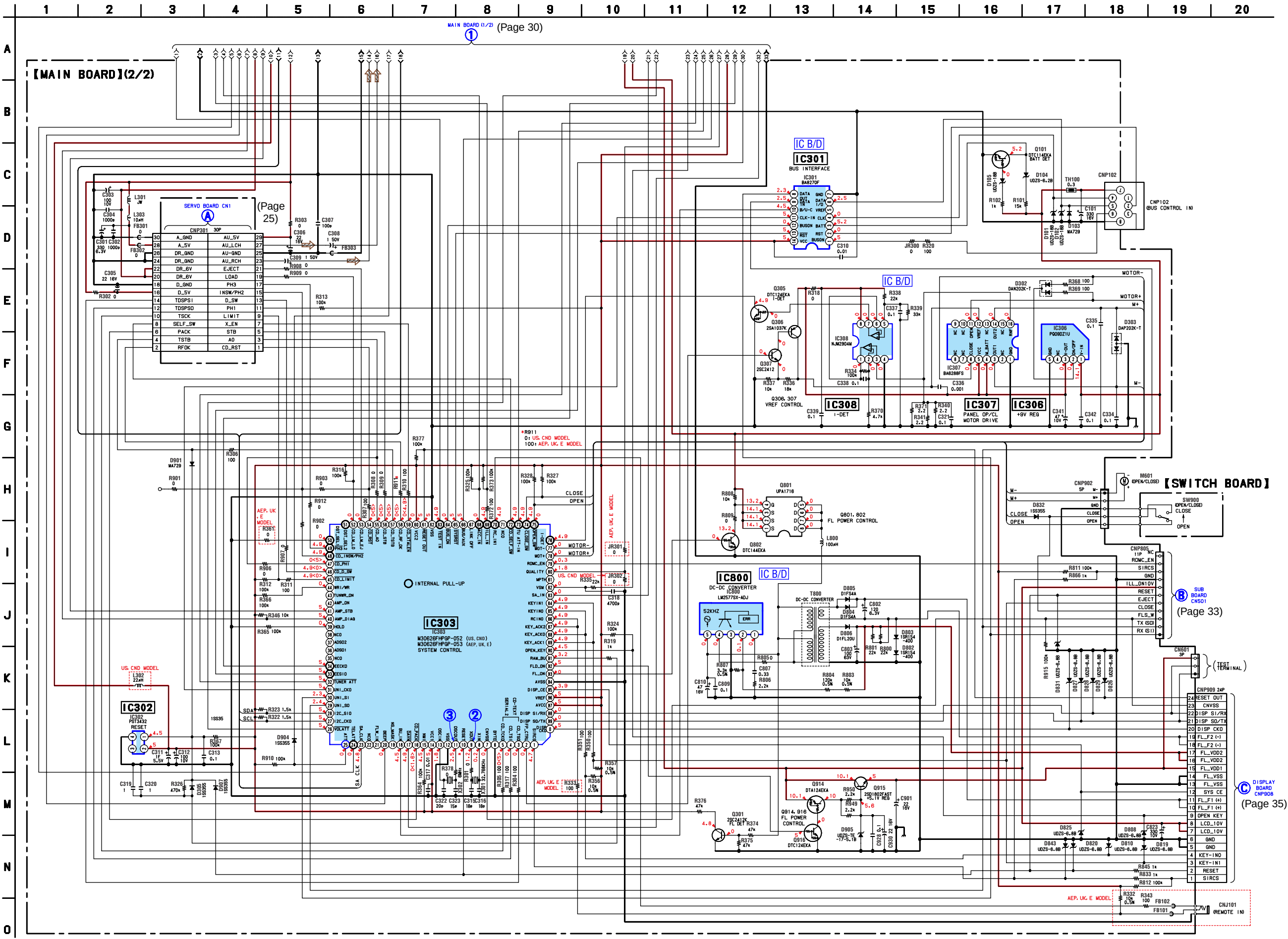


Note:

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

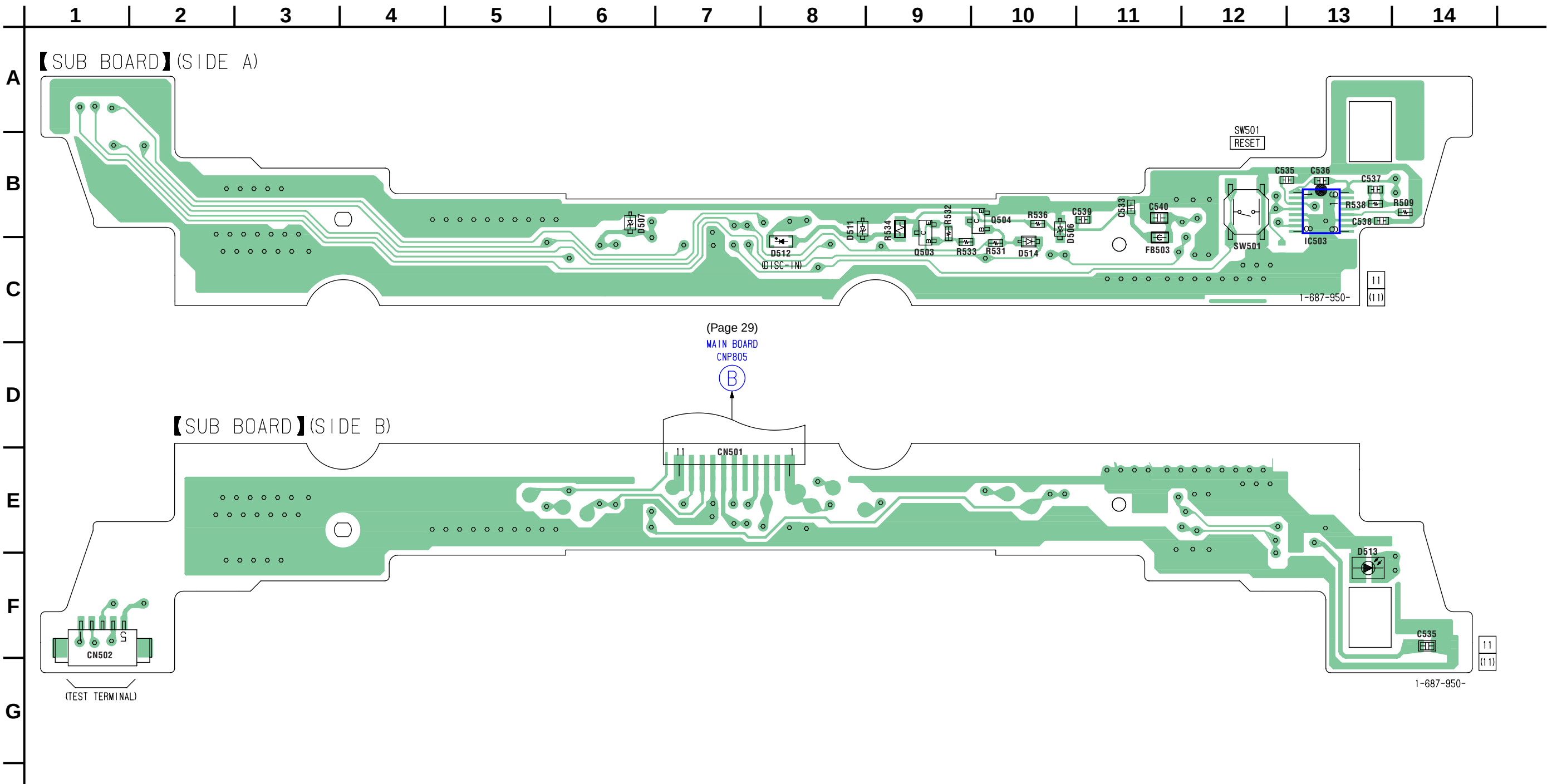
• Refer to page 24 for Waveform.

4-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 36 for IC Block Diagrams.



Note:
• Voltage is dc with respect to ground under no-signal () : AM/MW/LW
(detuned) condition. < : CD PLAY
no mark : FM * : Impossible to measure

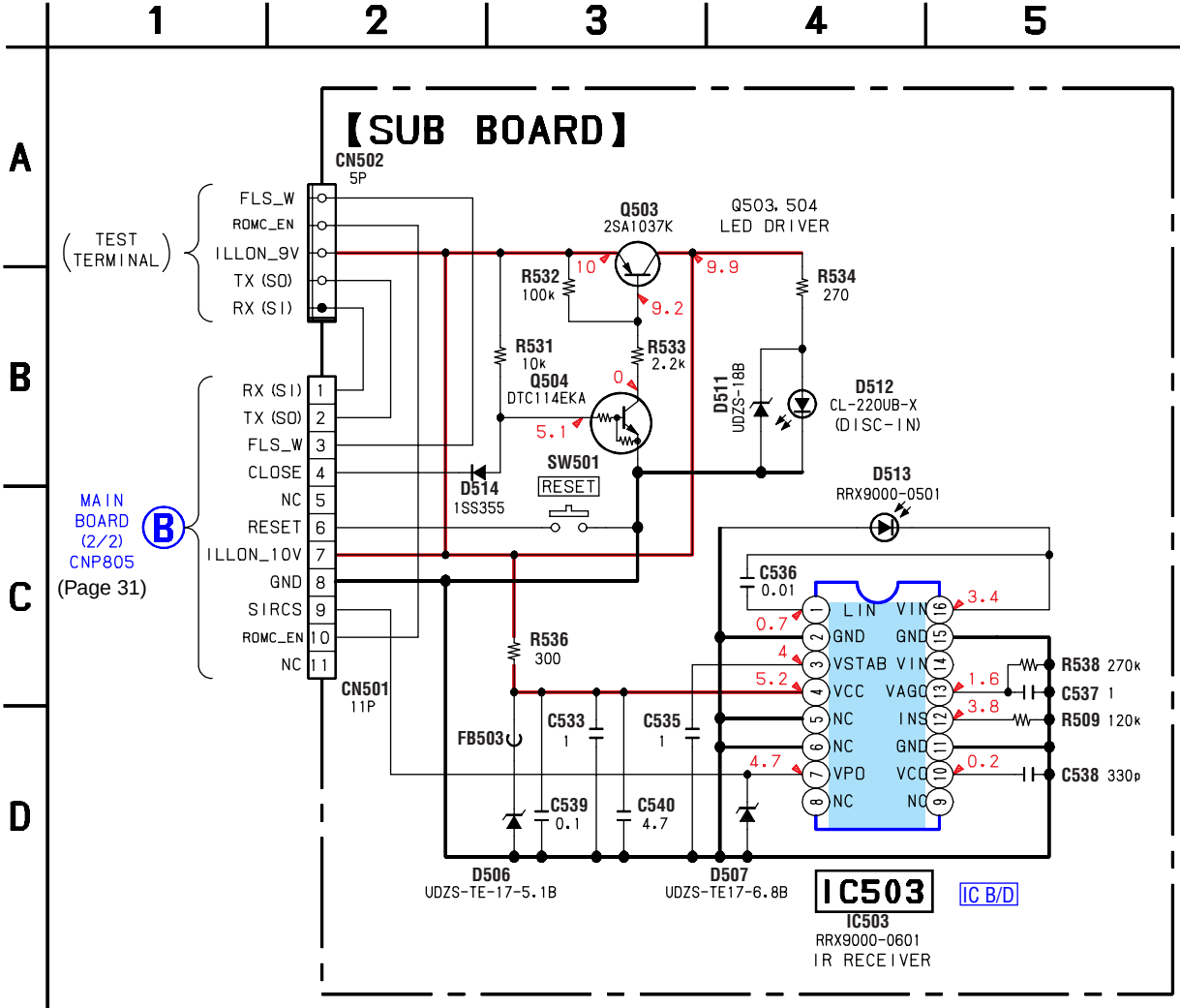
4-11. PRINTED WIRING BOARD — SUB SECTION — • Refer to page 24 for Circuit Boards Location.



- Semiconductor Location

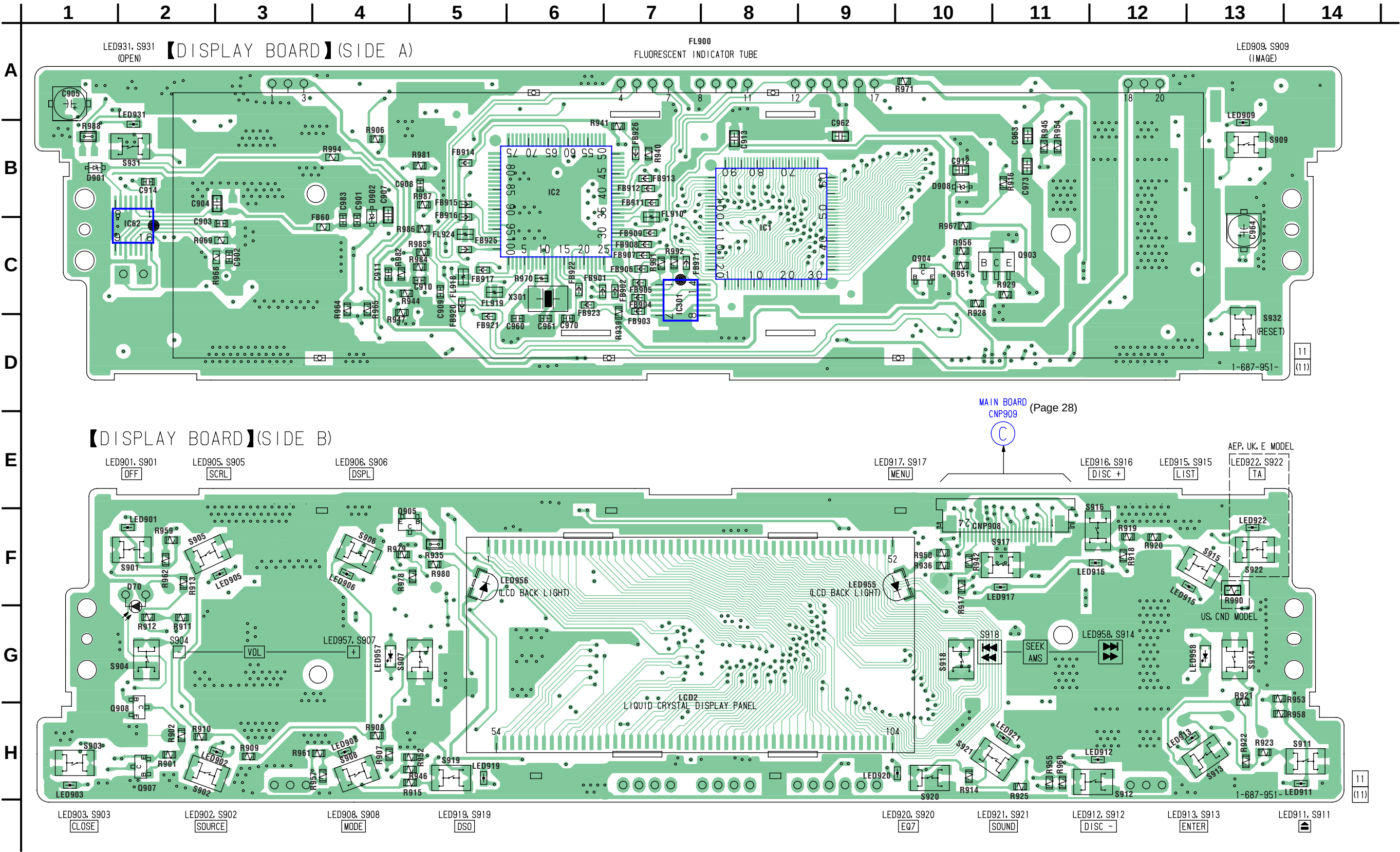
Ref. No.	Location
D506	B-10
D507	B-6
D511	C-8
D512	C-8
D513	E-13
D514	C-10
IC503	B-13
Q503	C-9
Q504	B-10

4-12. SCHEMATIC DIAGRAM — SUB SECTION — • Refer to page 37 for IC Block Diagrams.



Note:
• Voltage is dc with respect to ground under no-signal (detuned) condition.
no mark : FM

4-13. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 24 for Circuit Boards Location.



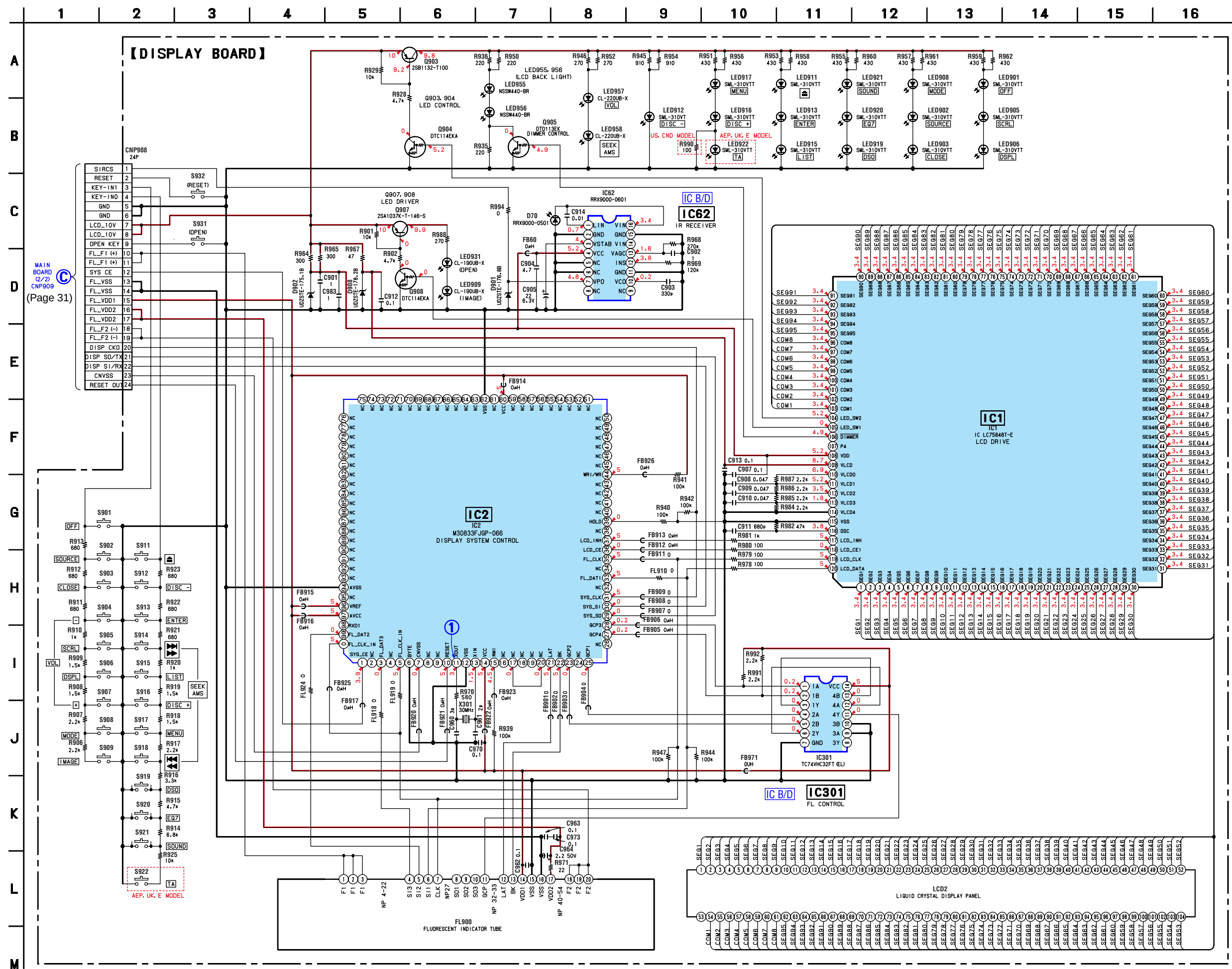
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D70	F-2	LED901	F-2	LED915	F-12	LED957	G-4
D901	B-1	LED902	H-2	LED916	F-12	LED958	G-13
D902	B-4	LED903	H-1	LED917	F-11		
D908	B-10	LED905	F-3	LED919	H-5	Q903	C-11
		LED906	F-4	LED920	H-9	Q904	C-10
IC1	C-8	LED908	H-4	LED921	H-11	Q905	F-4
IC2	B-6	LED909	A-13	LED922	F-13	Q907	H-2
IC62	C-2	LED911	H-14	LED931	A-2	Q908	H-2
IC301	C-7	LED912	H-12	LED955	F-9		
		LED913	H-12	LED956	F-6		

4-14. SCHEMATIC DIAGRAM — DISPLAY SECTION —

• Refer to page 24 for Waveform.

• Refer to page 37 for IC Block Diagrams.

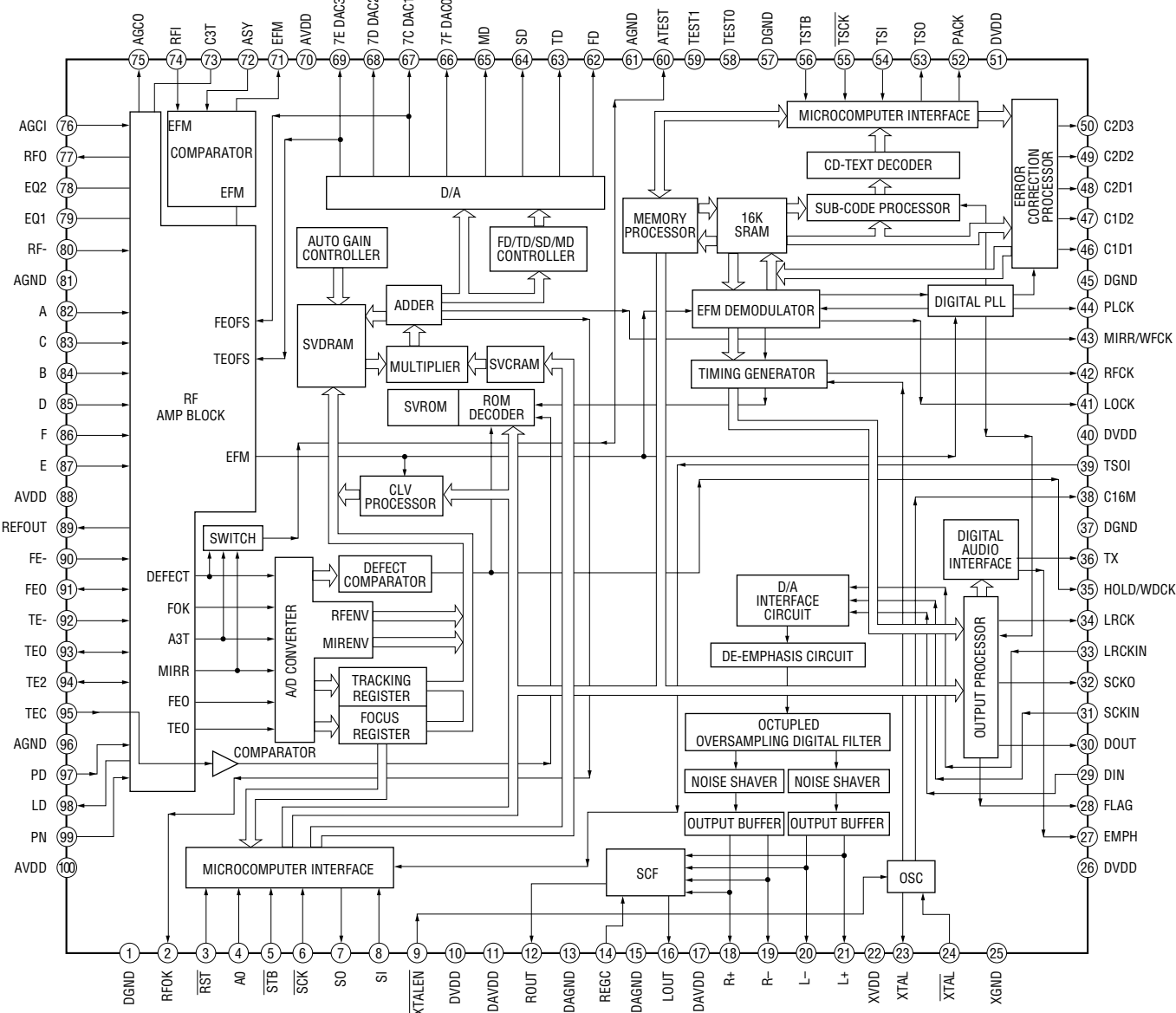


Note:

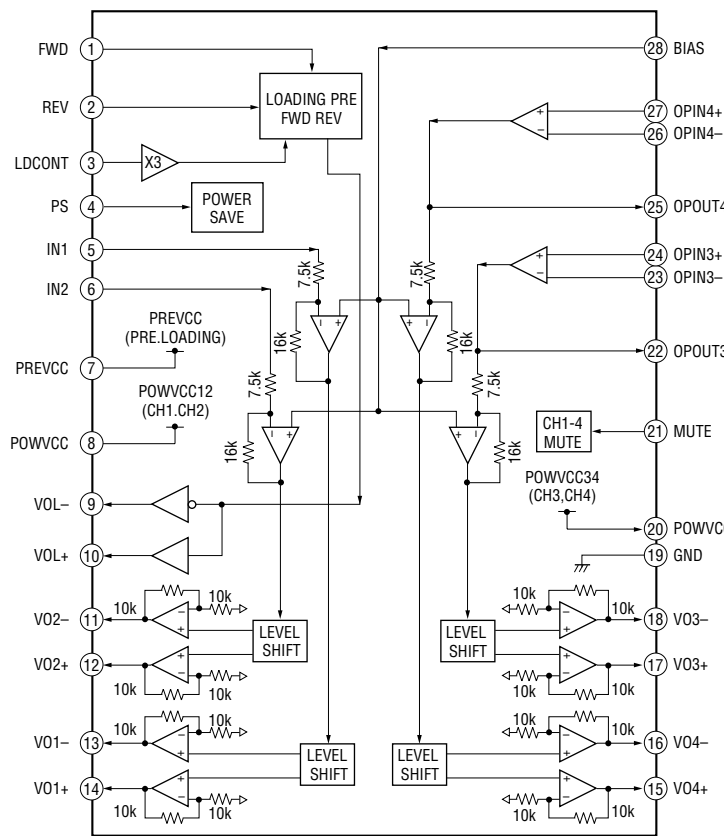
- Voltage is dc with respect to ground under no-signal (detuned) condition.
- no mark : FM

4-15. IC BLOCK DIAGRAMS

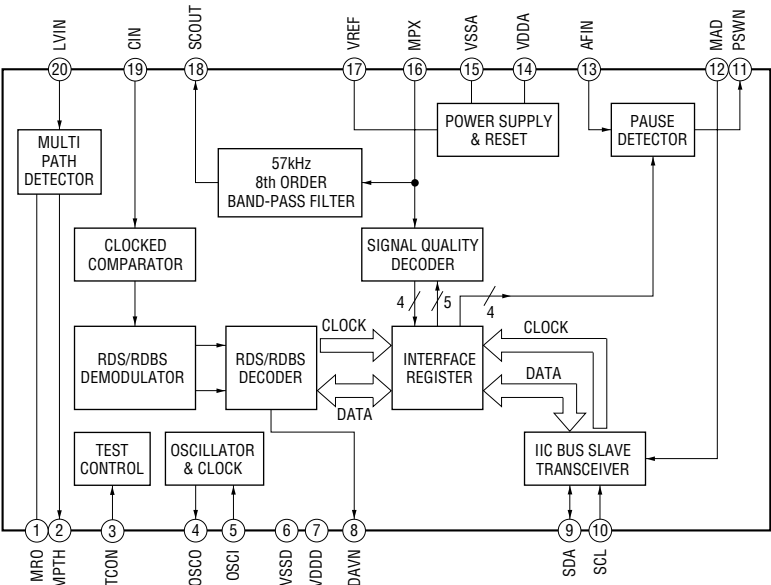
IC1 μ PD63711GC-8EU (SERVO Board)



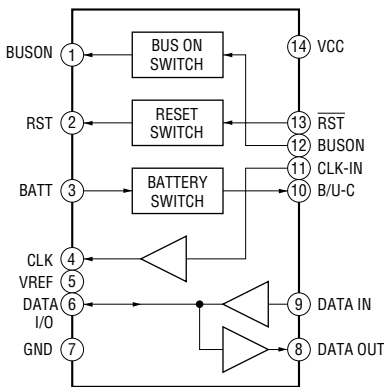
IC2 BA5810FP-E2 (SERVO Board)



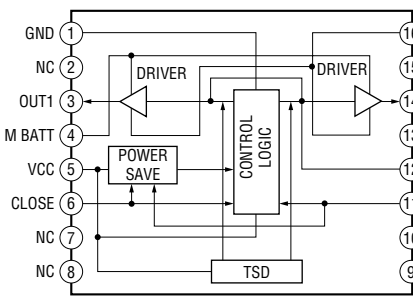
IC502 SAA6588T (MAIN Board (1/2))



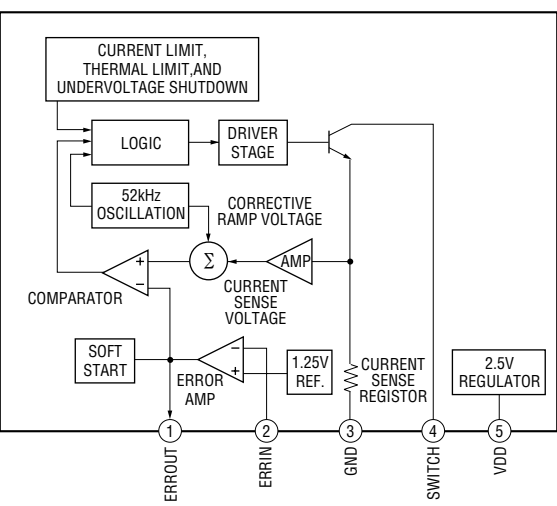
IC301 BA8270F (MAIN Board (2/2))



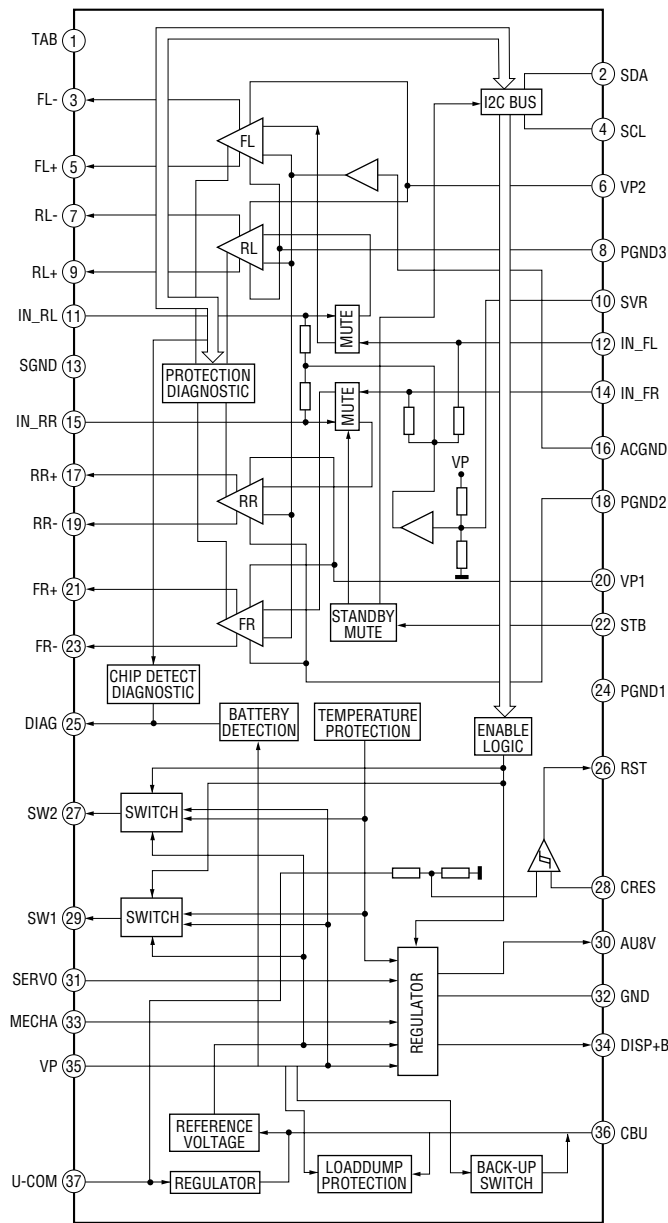
IC307 BA6288FS (MAIN Board (2/2))



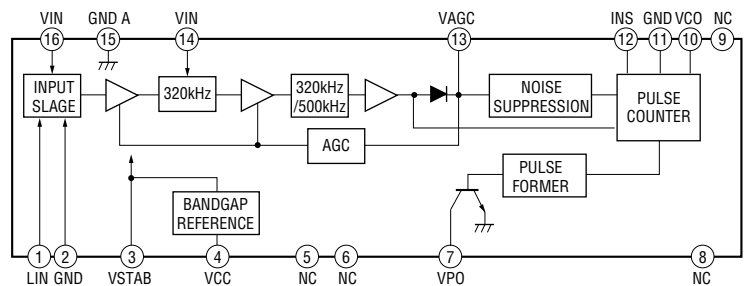
IC800 LM2577SX-ADJ (MAIN Board (2/2))



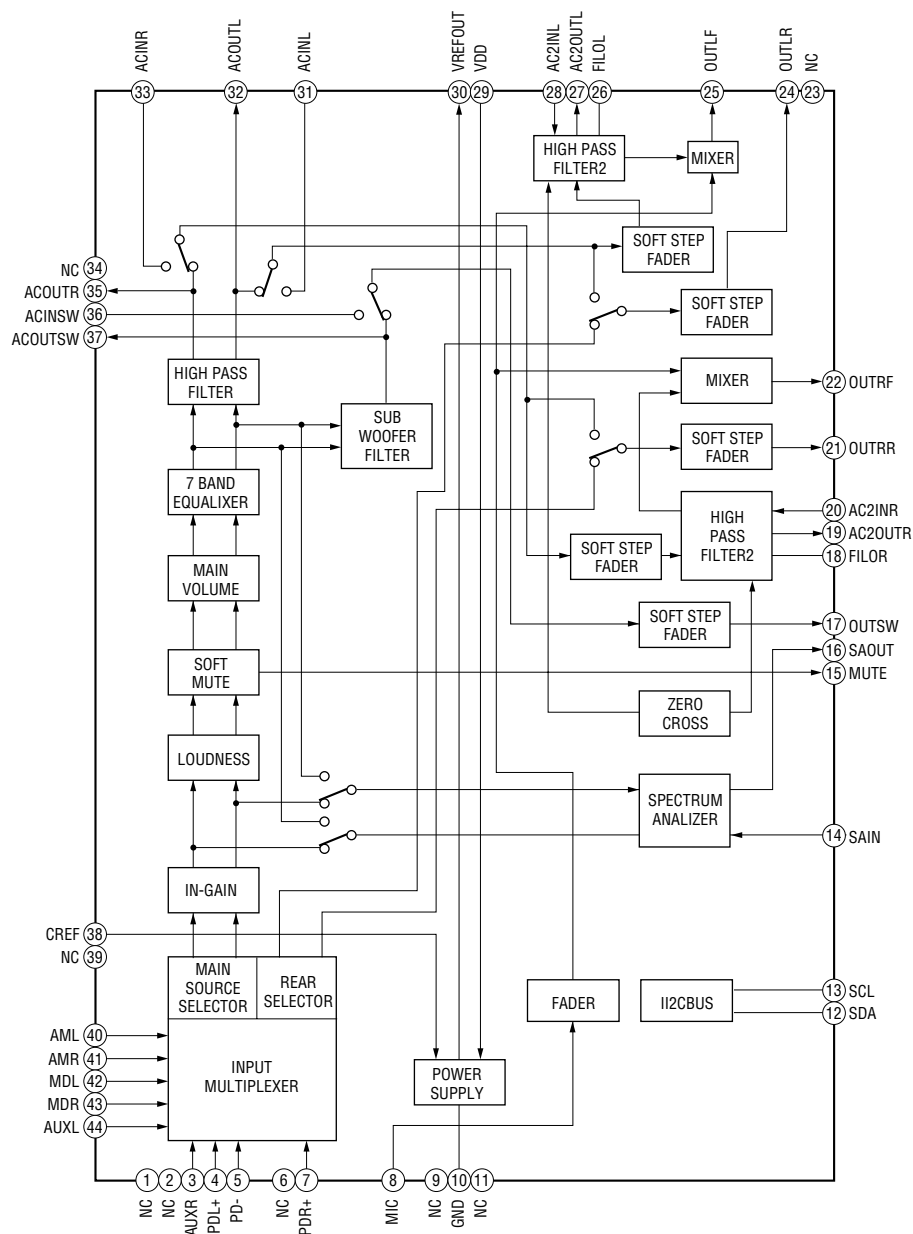
IC201 TDA8588J/N1 (MAIN Board (1/2))



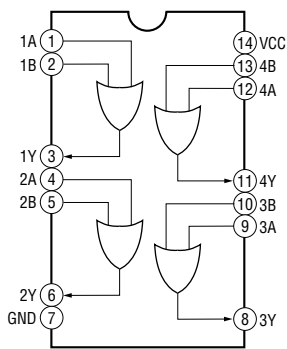
IC503 RRX9000-0601 (SUB Board)
IC62 RRX9000-0601 (DISPLAY Board)



IC401 TDA7416 (MAIN Board (1/2))



IC301 TC74VHC32FT(EL) (DISPLAY Board)



SECTION 5

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)

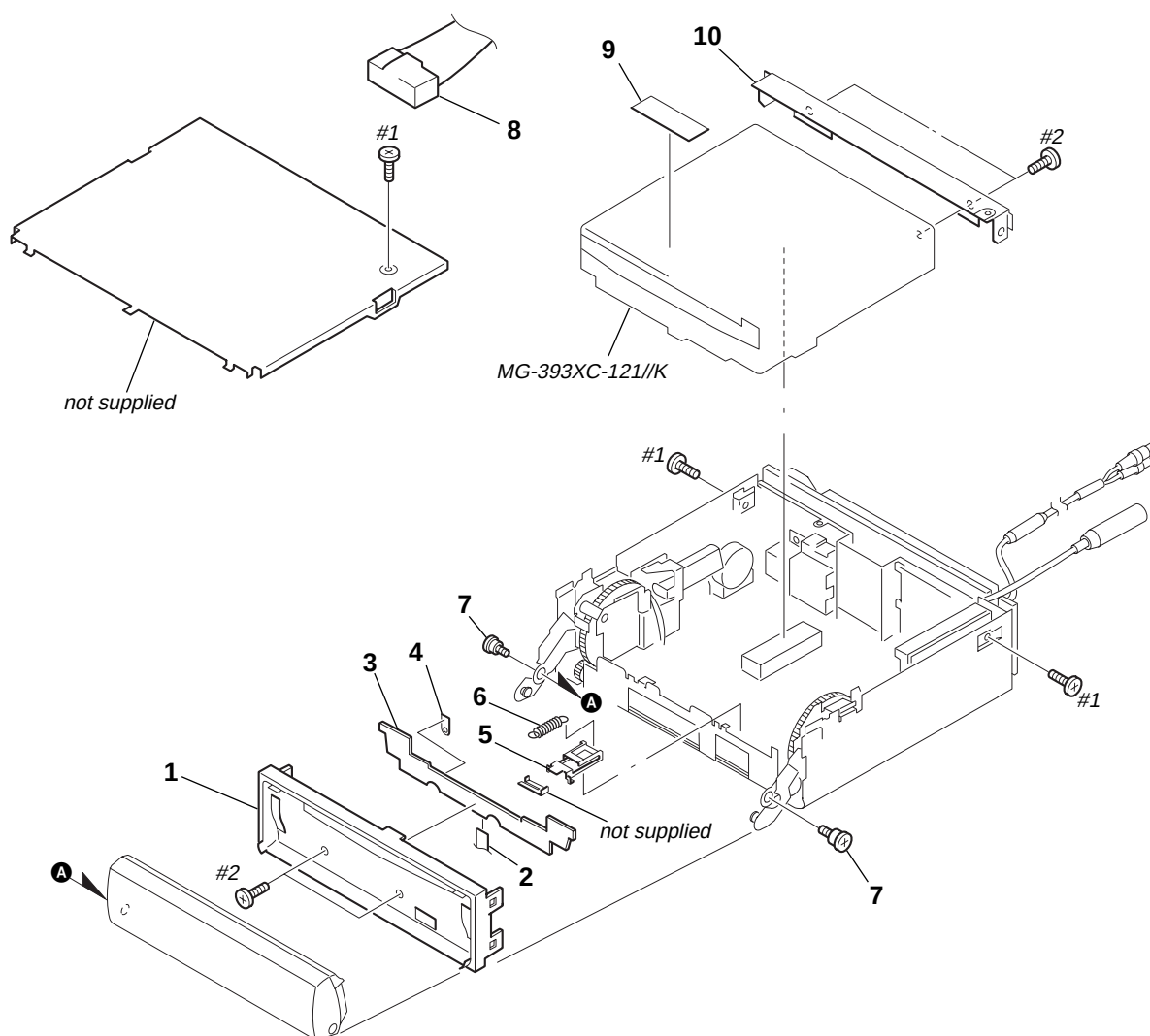

 Parts Color


 Cabinet's Color
- Accessories are given in the last of this parts list.
- Abbreviation
CND: Canadian model

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

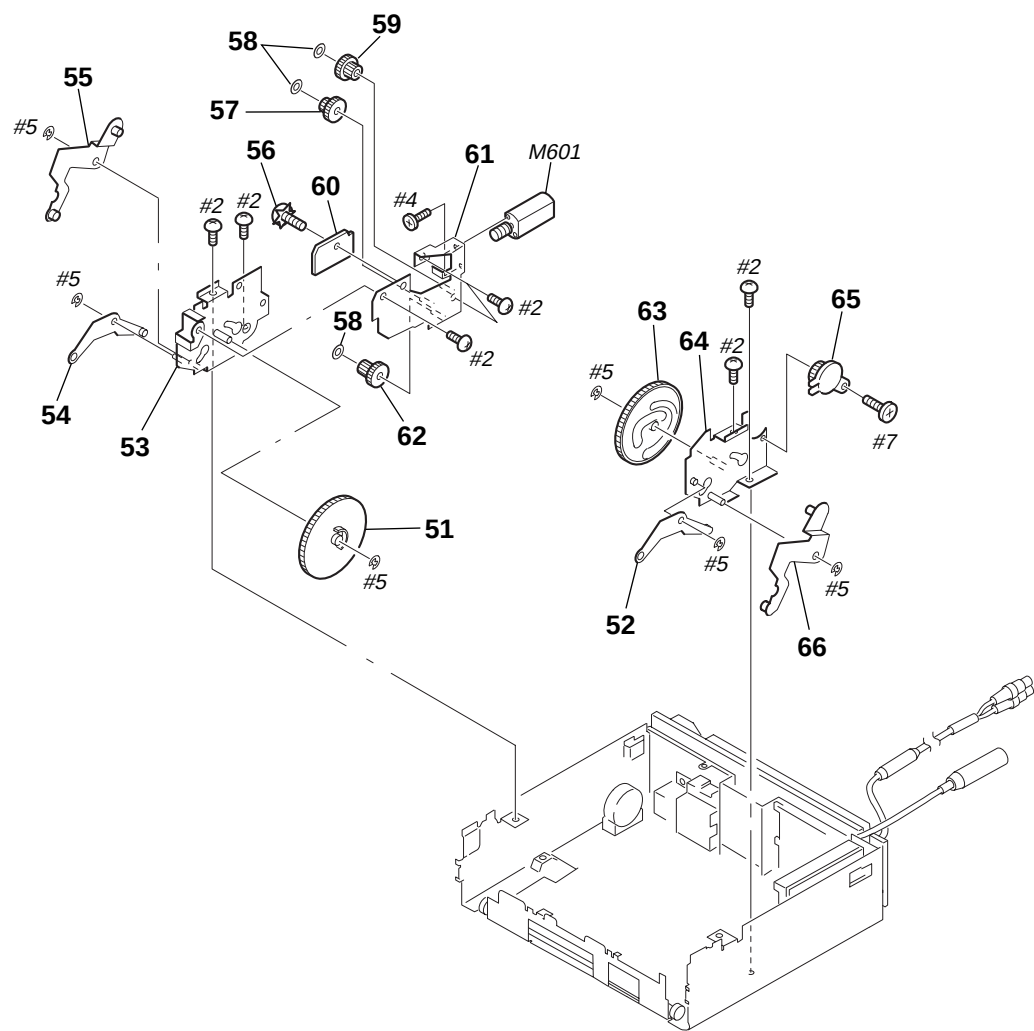
Les composants identifiés par une
marque  sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

5-1. CHASSIS SECTION



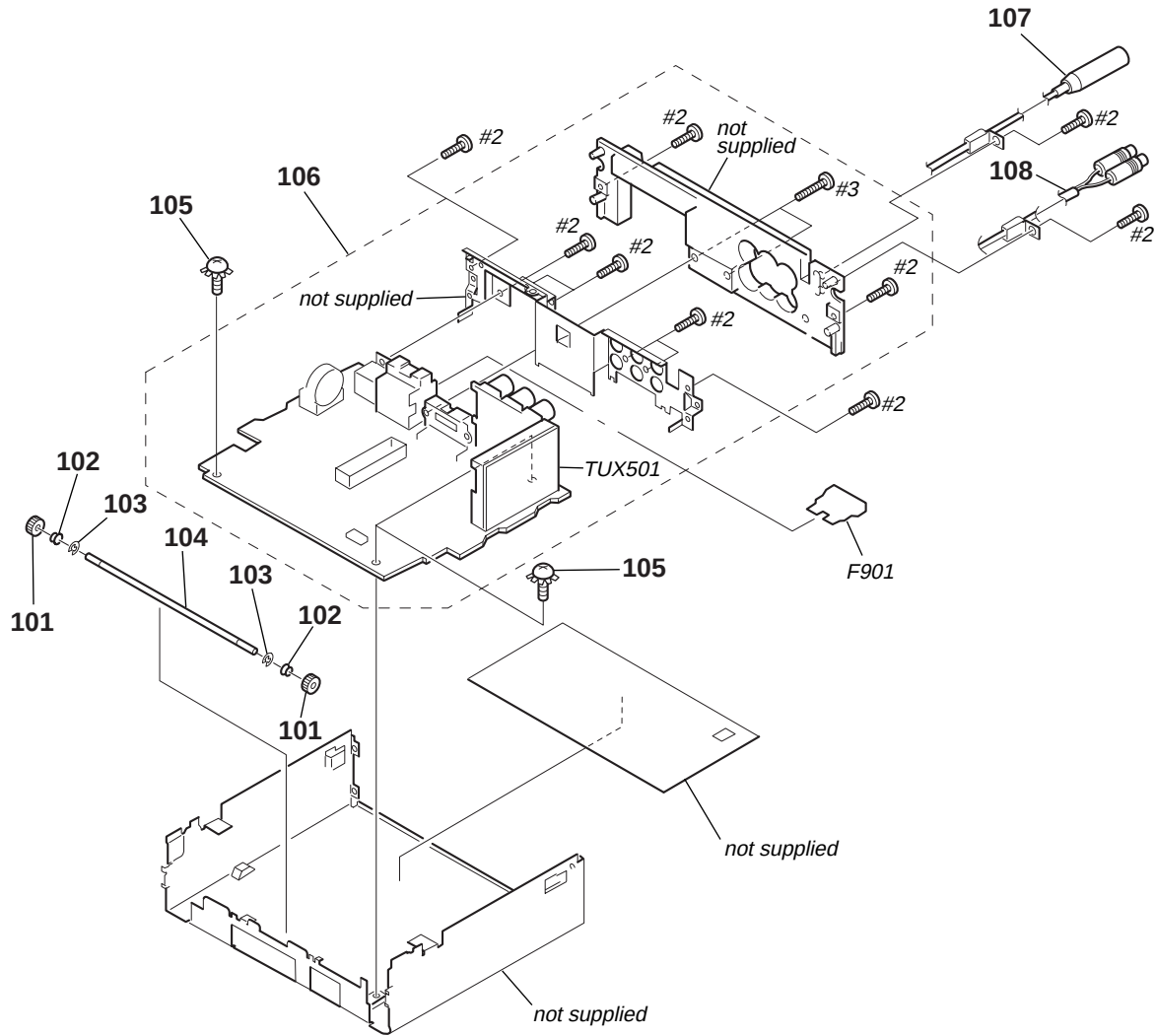
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3382-819-1	PANEL (CD) SUB ASSY, SUB (US,CND)		8	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	
1	X-3382-825-1	PANEL (CD) SUB ASSY, SUB (AEP,UK,E)					(US,CND,E)
2	1-783-268-11	CABLE, FLAT (FFC) 11P		8	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	
3	1-687-950-11	SUB BOARD					(AEP,UK)
4	3-232-857-01	SHEET (SUB PANEL), ELECTROSTATIC		9	3-223-913-11	LABEL (OP CAUTION) (AEP,UK,E)	
				10	3-248-858-01	BRACKET (CD)	
5	3-248-826-01	COVER (FLEXIBLE)		#1	7-685-790-09	SCREW +PTT 2.6X4 (S)	
6	3-230-516-01	SPRING (FLEXIBLE), TENSION					
7	3-045-756-01	SCREW (PANEL)		#2	7-685-792-09	SCREW +PTT 2.6X6 (S)	

5-2. CAM SECTION



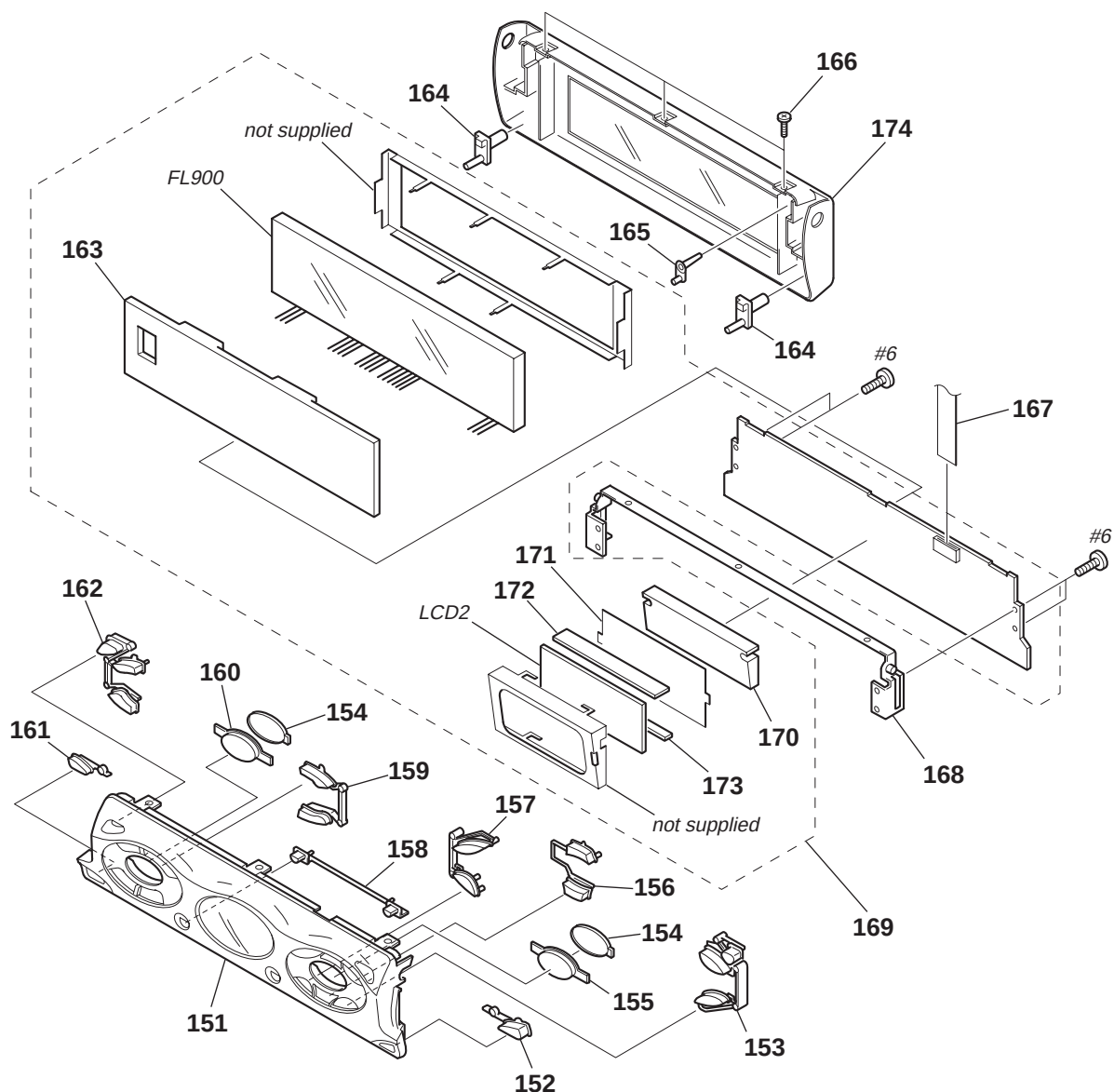
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3-230-495-01	CAM (L)		62	3-230-494-01	GEAR (C)	
52	X-3380-549-1	ARM (B-R) ASSY		63	3-230-496-01	CAM (R)	
53	X-3380-544-2	BRACKET (L) ASSY		64	X-3380-545-2	BRACKET (R) ASSY	
54	X-3380-548-1	ARM (B-L) ASSY		65	3-030-909-11	DAMPER, OIL	
55	X-3382-822-1	ARM (A-L) ASSY		66	X-3382-823-1	ARM (A-R) ASSY	
56	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT		M601	X-3378-769-1	MOTOR ASSY (OPEN/CLOSE)	
57	3-045-714-01	GEAR (B)		#2	7-685-792-09	SCREW +PTT 2.6X6 (S)	
58	3-342-940-01	WASHER (M)		#4	7-627-553-28	SCREW, PRECISION +P 2X2.5	
59	3-045-713-01	GEAR (A)		#5	7-624-102-04	STOP RING 1.5, TYPE -E	
60	A-3326-298-A	SWITCH BOARD, COMPLETE		#7	7-621-772-18	SCREW +P 2X4	
* 61	X-3378-711-4	BRACKET (MOTOR) ASSY					

5-3. MAIN BOARD SECTION



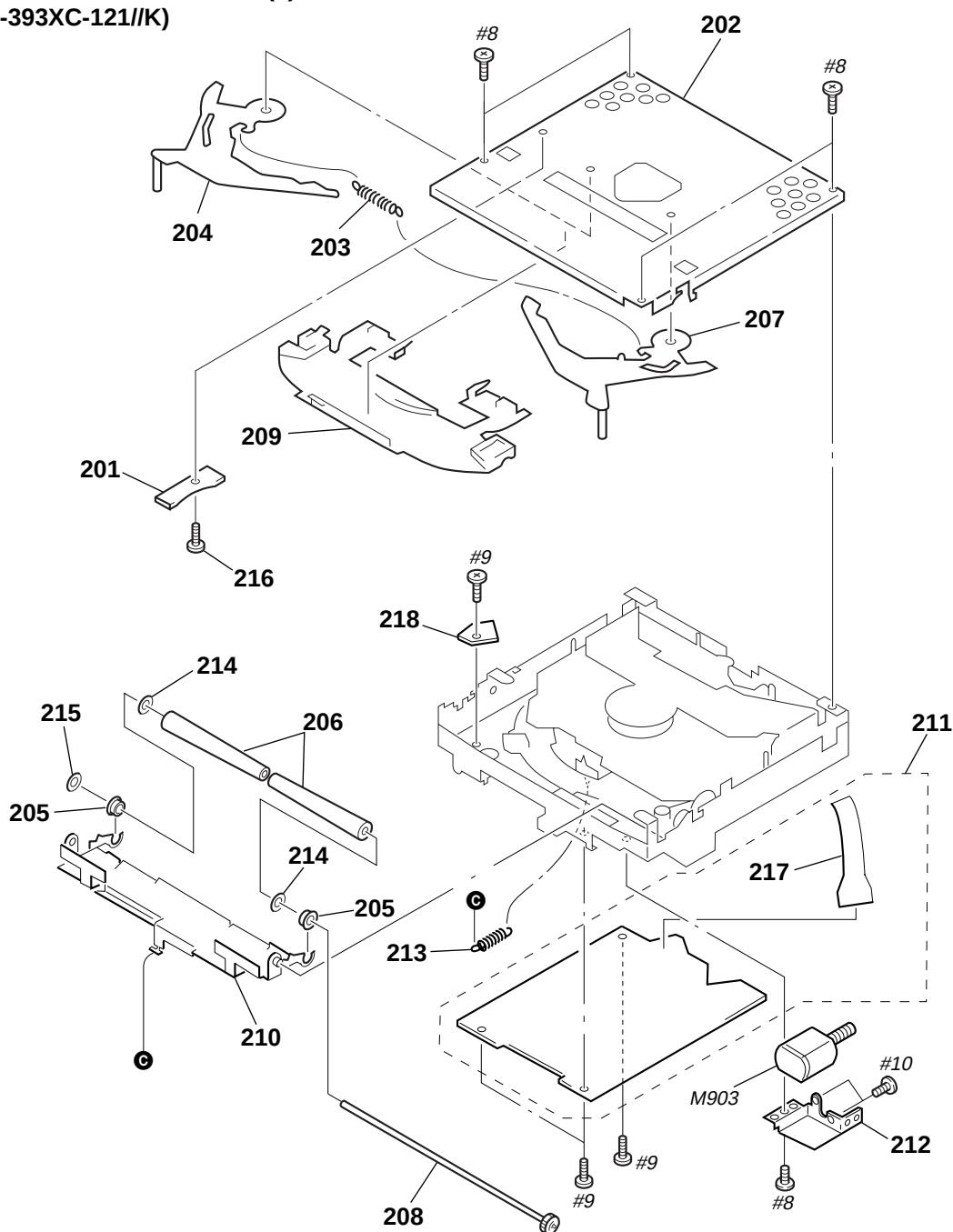
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-230-493-01	GEAR (DRIVE SHAFT)		107	1-777-246-41	CORD (WITH CONNECTOR) (ANTENNA)	
102	3-230-444-01	GUIDE (DRIVE SHAFT)		108	1-790-375-22	CORD (WITH CONNECTOR) (SUB OUT (MONO))	
103	3-040-692-01	RING, CE TYPE RETAINING		F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
104	3-045-721-01	SHAFT, DRIVE		TUX501	A-3220-887-A	TUNER UNIT (TUX-030)	
105	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT		#2	7-685-792-09	SCREW +PTT 2.6X6 (S)	
106	A-3274-749-A	MAIN BOARD, COMPLETE (US,CND)		#3	7-685-795-09	SCREW +PTT 2.6X12 (S)	
106	A-3274-769-A	MAIN BOARD, COMPLETE (AEP,UK,E)					

5-4. FRONT PANEL SECTION



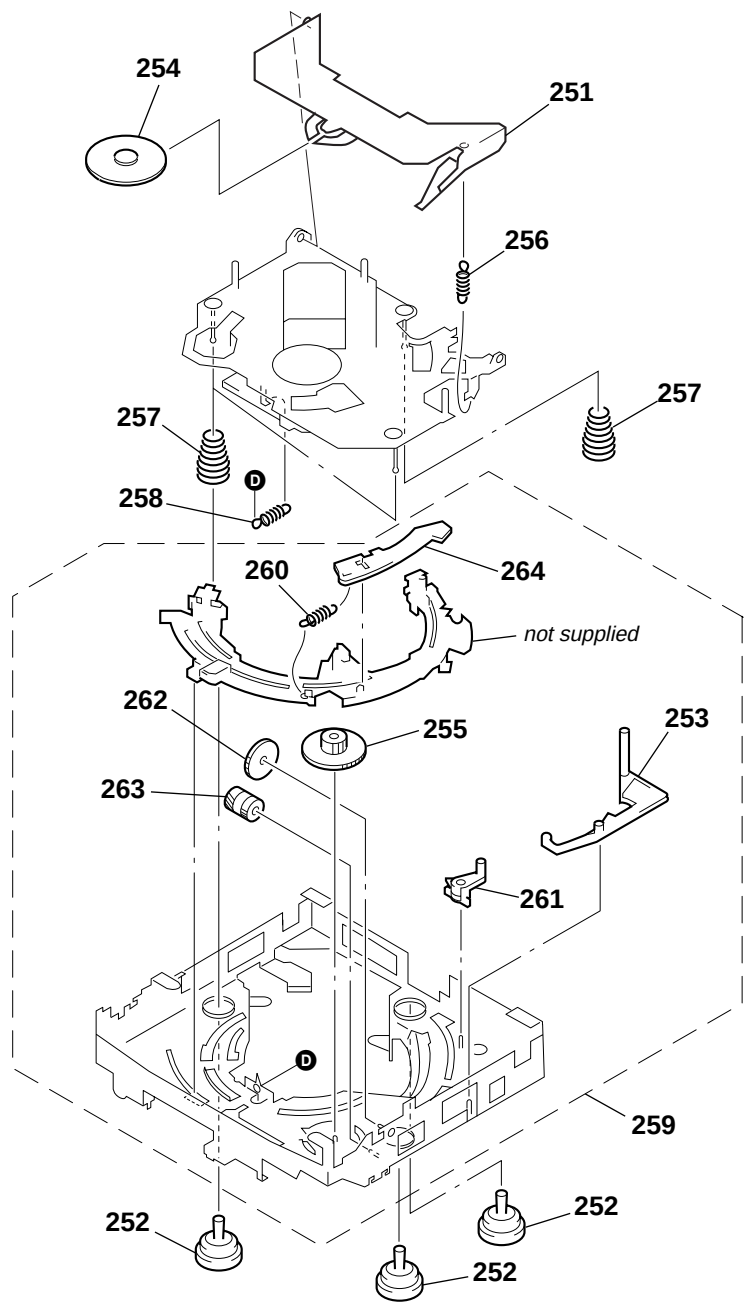
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	X-3382-818-1	PANEL (KEY) ASSY, FRONT (US,CND)		164	3-248-791-01	BUTTON (OPEN)	
151	X-3382-824-1	PANEL (KEY) ASSY, FRONT (AEP,UK,E)		165	3-248-789-01	BUTTON (RESET-DSPL)	
152	3-238-816-01	BUTTON (EJECT)		166	2-626-869-01	SCREW (M2X3), SERRATION (US,CND)	
153	3-238-820-01	BUTTON (ENTER) (US,CND)		167	1-687-952-11	FLEXIBLE BOARD	
153	3-238-820-11	BUTTON (ENTER) (AEP,UK,E)		168	X-3381-646-1	BRACKET (PANEL) ASSY	
154	3-238-814-01	HOLDER (REFLECTION), BUTTON		169	A-3274-753-A	DISPLAY BOARD, COMPLETE (US,CND)	
155	X-3381-650-1	BUTTON (SEEK/AMS) ASSY		169	A-3274-766-A	DISPLAY BOARD, COMPLETE (AEP,UK,E)	
156	3-238-821-01	BUTTON (DISC)		170	3-238-827-01	PLATE (LCD KEY), LIGHT GUIDE	
157	3-238-819-01	BUTTON (SOUND)		171	3-238-826-01	SHEET (KEY), DIFFUSION	
158	3-238-817-01	BUTTON (DSO)		172	1-694-925-11	CONDUCTIVE BOARD, CONNECTION	
159	3-238-818-01	BUTTON (MODE) (US,CND)		173	1-694-926-11	CONDUCTIVE BOARD, CONNECTION	
159	3-238-818-11	BUTTON (MODE) (AEP,UK,E)		174	X-3383-210-1	PANEL (MAIN) ASSY, FRONT	
160	X-3381-649-1	BUTTON (VOL) ASSY		FL900	1-518-879-11	INDICATOR TUBE, FLUORESCENT	
161	3-238-815-01	BUTTON (CLOSE)		LCD2	1-804-636-21	DISPLAY PANEL, LIQUID CRYSTAL	
162	3-239-338-01	BUTTON (SOURCE)		#6	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT	
163	3-248-825-01	PLATE (FL), GUIDE					

5-5. CD MECHANISM SECTION (1) (MG-393XC-121//K)



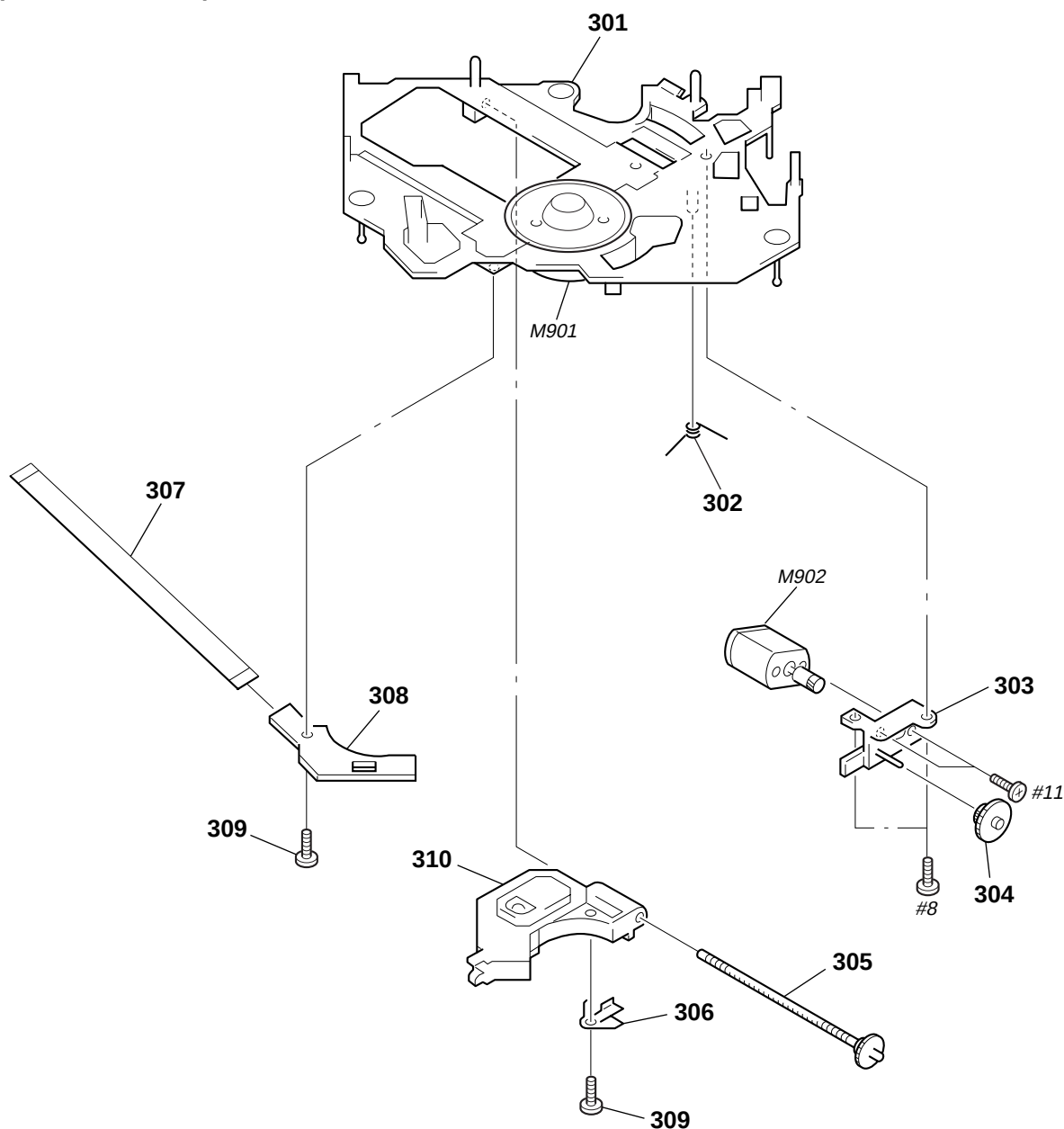
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	1-683-283-11	IN SELF SW BOARD		212	3-221-779-02	BRACKET (MOTOR)	
202	3-040-039-03	CHASSIS (T)		213	3-040-034-01	SPRING (RA), TENSION	
203	3-040-038-01	SPRING (LR), TENSION		214	3-040-042-01	WASHER	
204	3-040-050-01	LEVER (L)		215	3-043-880-01	RING (RA), RETAINING	
205	3-040-022-01	RETAINER (ROLLER), SHAFT		216	3-044-206-11	SCREW, SPECIAL	
206	3-040-044-01	ROLLER (S)		217	1-683-284-11	FLEXIBLE BOARD	
207	3-040-067-01	LEVER (R)		218	1-685-337-11	LOAD SW BOARD	
208	A-3301-980-A	SHAFT ROLLER ASSY		M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	
209	3-040-037-01	GUIDE (DISC)		#8	7-627-553-37	SCREW, PRECISION +P 2X3 TYPE3	
210	3-040-040-03	ARM (ROLLER)		#9	7-628-253-00	SCREW, SPECIAL	
211	A-3283-233-A	SERVO BOARD, COMPLETE		#10	7-627-553-17	SCREW, PRECISION +P 2X2 TYPE3	

5-6. CD MECHANISM SECTION (2)
(MG-393XC-121//K)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	3-040-025-02	ARM, CHUCKING		258	3-040-033-01	SPRING (KF1), TENSION	
252	3-040-031-01	DAMPER (T)		259	A-3307-422-A	CHASSIS (M) COMPLETE ASSY	
253	3-040-056-01	LEVER (D)		260	3-040-059-01	SPRING (TR), TENSION	
254	3-040-024-01	RETAINER (DISC)		261	3-040-057-01	LEVER (LOCK)	
255	3-040-054-01	WHEEL (LW), WORM		262	3-040-058-01	GEAR (MDL)	
256	3-040-026-01	SPRING (CH), TENSION		263	3-040-052-01	WHEEL (U), WORM	
257	3-040-032-01	SPRING (FL), COMPRESSION		264	3-040-051-02	LEVER (TR)	

5-7. CD MECHANISM SECTION (3) (MG-393XC-121//K)



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

Les composants identifiés par une
marque  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
301	X-3378-480-1	CHASSIS (OP) ASSY (including M901)		308	1-683-282-11	SL SW BOARD	
302	3-040-029-01	SPRING (SL), TORSION		309	3-909-607-01	SCREW	
303	3-040-045-01	BASE (DRIVING)		△ 310	8-820-165-06	OPTICAL PICK-UP KSS-721A/C-RP	
304	3-040-194-01	GEAR (MIDWAY)		M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	
305	A-3301-983-A	SHAFT (FEED) ASSY		#8	7-627-553-37	SCREW, PRECISION +P 2X3 TYPE3	
306	3-040-030-01	SPRING (FEED), PLATE		#11	7-627-850-28	SCREW, PRECISION +P 1.4X3	
307	1-823-641-11	CABLE, FLEXIBLE FLAT (6 CORE)					

DISPLAY

SECTION 6
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
- Abbreviation
CND: Canadian model
- 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.

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-3274-753-A	DISPLAY BOARD, COMPLETE (US,CND)		FB902	1-216-864-11	METAL CHIP 0 5%	1/10W
	A-3274-766-A	DISPLAY BOARD, COMPLETE (AEP,UK,E)		FB903	1-216-864-11	METAL CHIP 0 5%	1/10W
	*****			FB904	1-216-864-11	METAL CHIP 0 5%	1/10W
	1-694-925-11	CONDUCTIVE BOARD, CONNECTION		FB905	1-500-329-21	INDUCTOR, FERRITE BEAD	
	1-694-926-11	CONDUCTIVE BOARD, CONNECTION		FB906	1-500-329-21	INDUCTOR, FERRITE BEAD	
	3-238-826-01	SHEET (KEY), DIFFUSION		FB907	1-216-864-11	METAL CHIP 0 5%	1/10W
	3-238-827-01	PLATE (LCD KEY), LIGHT GUIDE		FB908	1-216-864-11	METAL CHIP 0 5%	1/10W
	3-248-825-01	PLATE (FL), GUIDE		FB909	1-216-864-11	METAL CHIP 0 5%	1/10W
	< CAPACITOR >			FB911	1-216-864-11	METAL CHIP 0 5%	1/10W
C901	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V		FB912	1-500-329-21	INDUCTOR, FERRITE BEAD	
C902	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V		FB913	1-500-329-21	INDUCTOR, FERRITE BEAD	
C903	1-162-959-11	CERAMIC CHIP 330PF 5% 50V		FB914	1-500-329-21	INDUCTOR, FERRITE BEAD	
C904	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V		FB915	1-500-329-21	INDUCTOR, FERRITE BEAD	
C905	1-124-778-00	ELECT 22uF 20% 6.3V		FB916	1-500-329-21	INDUCTOR, FERRITE BEAD	
				FB917	1-500-329-21	INDUCTOR, FERRITE BEAD	
C907	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		FB920	1-500-329-21	INDUCTOR, FERRITE BEAD	
C908	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V		FB921	1-500-329-21	INDUCTOR, FERRITE BEAD	
C909	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V		FB922	1-500-329-21	INDUCTOR, FERRITE BEAD	
C910	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V		FB923	1-500-329-21	INDUCTOR, FERRITE BEAD	
C911	1-115-412-11	CERAMIC CHIP 680PF 5% 25V		FB925	1-500-329-21	INDUCTOR, FERRITE BEAD	
C912	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		FB926	1-500-329-21	INDUCTOR, FERRITE BEAD	
C913	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V		FB971	1-500-329-21	INDUCTOR, FERRITE BEAD	
C914	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V					
C960	1-162-908-11	CERAMIC CHIP 3PF 0.25PF 50V				< FLUORESCENT INDICATOR >	
C961	1-162-907-11	CERAMIC CHIP 2PF 0.25PF 50V		FL900	1-518-879-11	INDICATOR TUBE, FLUORESCENT	
C962	1-164-156-11	CERAMIC CHIP 0.1uF 25V				< JUMPER RESISTOR >	
C963	1-165-319-11	CERAMIC CHIP 0.1uF 50V		FL910	1-216-864-11	METAL CHIP 0 5%	1/10W
C964	1-126-601-11	ELECT 2.2uF 20% 50V		FL918	1-216-864-11	METAL CHIP 0 5%	1/10W
C970	1-164-156-11	CERAMIC CHIP 0.1uF 25V		FL919	1-216-864-11	METAL CHIP 0 5%	1/10W
C973	1-165-319-11	CERAMIC CHIP 0.1uF 50V		FL924	1-216-864-11	METAL CHIP 0 5%	1/10W
C983	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V				< IC >	
	< CONNECTOR >			IC1	6-701-630-01	IC LC75848T-E	
CNP908	1-774-678-21	CONNECTOR, FPC (ZIF) 24P		IC2	6-802-887-01	IC M30833FJGP-066	
	< DIODE >			IC62	8-759-830-18	IC RRX9000-0601#1	
D70	8-719-083-14	DIODE RRX9000-0501		IC301	8-759-523-94	IC TC74VHC32FT(EL)	
D901	8-719-978-33	DIODE DTZ-TT11-6.8B				< LIQUID CRYSTAL DISPLAY >	
D902	8-719-069-54	DIODE UDZS-TE-17-5.1B		LCD2	1-804-636-21	DISPLAY PANEL, LIQUID CRYSTAL	
D908	8-719-056-85	DIODE UDZ-TE-17-8.2B				< DIODE >	
	< FERRITE BEAD >			LED901	8-719-053-09	LED SML-310VT-T86 (OFF)	
FB60	1-500-329-21	INDUCTOR, FERRITE BEAD		LED902	8-719-053-09	LED SML-310VT-T86 (SOURCE)	
FB901	1-216-864-11	METAL CHIP 0 5%	1/10W				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
LED903	8-719-053-09	LED SML-310VT-T86 (CLOSE)		R944	1-216-845-11	METAL CHIP 100K 5%	1/10W
LED905	8-719-053-09	LED SML-310VT-T86 (SCRL)		R945	1-216-048-11	METAL CHIP 910 5%	1/10W
LED906	8-719-053-09	LED SML-310VT-T86 (DSPL)		R946	1-216-035-11	METAL CHIP 270 5%	1/10W
LED908	8-719-053-09	LED SML-310VT-T86 (MODE)		R947	1-216-845-11	METAL CHIP 100K 5%	1/10W
LED909	8-719-080-04	LED CL-190UB-X-T (IMAGE)		R950	1-216-033-00	METAL CHIP 220 5%	1/10W
LED911	8-719-053-09	LED SML-310VT-T86 (▲)		R951	1-216-040-11	METAL CHIP 430 5%	1/10W
LED912	8-719-053-09	LED SML-310VT-T86 (DISC -)		R952	1-216-035-11	METAL CHIP 270 5%	1/10W
LED913	8-719-053-09	LED SML-310VT-T86 (ENTER)		R953	1-216-040-11	METAL CHIP 430 5%	1/10W
LED915	8-719-053-09	LED SML-310VT-T86 (LIST)		R954	1-216-048-11	METAL CHIP 910 5%	1/10W
LED916	8-719-053-09	LED SML-310VT-T86 (DISC +)		R955	1-216-040-11	METAL CHIP 430 5%	1/10W
LED917	8-719-053-09	LED SML-310VT-T86 (MENU)		R956	1-216-040-11	METAL CHIP 430 5%	1/10W
LED919	8-719-053-09	LED SML-310VT-T86 (DSO)		R957	1-216-040-11	METAL CHIP 430 5%	1/10W
LED920	8-719-053-09	LED SML-310VT-T86 (EQ7)		R958	1-216-040-11	METAL CHIP 430 5%	1/10W
LED921	8-719-053-09	LED SML-310VT-T86 (SOUND)		R959	1-216-040-11	METAL CHIP 430 5%	1/10W
LED922	8-719-053-09	LED SML-310VT-T86 (TA) (AEP,UK,E)		R960	1-216-040-11	METAL CHIP 430 5%	1/10W
LED931	8-719-080-04	LED CL-190UB-X-T (OPEN)		R961	1-216-040-11	METAL CHIP 430 5%	1/10W
LED955	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)		R962	1-216-040-11	METAL CHIP 430 5%	1/10W
LED956	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)		R964	1-218-288-11	METAL CHIP 300 5%	1/10W
LED957	8-719-079-10	LED CL-220UB-X-TS (VOL)		R967	1-216-805-11	METAL CHIP 47 5%	1/10W
LED958	8-719-079-10	LED CL-220UB-X-TS (SEEK/AMS)		R968	1-216-850-11	METAL CHIP 270K 5%	1/10W
< TRANSISTOR >				R969	1-216-846-11	METAL CHIP 120K 5%	1/10W
Q903	8-729-106-60	TRANSISTOR 2SB1115A		R970	1-216-818-11	METAL CHIP 560 5%	1/10W
Q904	8-729-900-53	TRANSISTOR DTC114EK		R971	1-216-009-11	METAL CHIP 22 5%	1/10W
Q905	8-729-904-66	TRANSISTOR DTD113EK-T-146		R978	1-216-809-11	METAL CHIP 100 5%	1/10W
Q907	8-729-216-22	TRANSISTOR 2SA1162-G		R979	1-216-809-11	METAL CHIP 100 5%	1/10W
Q908	8-729-900-53	TRANSISTOR DTC114EK		R980	1-216-809-11	METAL CHIP 100 5%	1/10W
< RESISTOR >				R981	1-216-821-11	METAL CHIP 1K 5%	1/10W
R901	1-216-833-11	METAL CHIP 10K 5%	1/10W	R982	1-216-841-11	METAL CHIP 47K 5%	1/10W
R902	1-216-829-11	METAL CHIP 4.7K 5%	1/10W	R984	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R906	1-218-855-11	RES-CHIP 2.2K 2%	1/16W	R985	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R907	1-218-855-11	RES-CHIP 2.2K 2%	1/16W	R986	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R908	1-218-851-11	RES-CHIP 1.5K 2%	1/16W	R987	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R909	1-218-851-11	RES-CHIP 1.5K 2%	1/16W	R988	1-216-035-11	METAL CHIP 270 5%	1/10W
R910	1-218-847-11	RES-CHIP 1K 2%	1/16W	R990	1-216-025-11	RES-CHIP 100 5%	1/10W (US,CND)
R911	1-219-286-11	RES-CHIP 680 2%	1/16W	R991	1-218-855-11	RES-CHIP 2.2K 2%	1/16W
R912	1-219-286-11	RES-CHIP 680 2%	1/16W	R992	1-218-855-11	RES-CHIP 2.2K 2%	1/16W
R913	1-219-286-11	RES-CHIP 680 2%	1/16W	R994	1-216-864-11	METAL CHIP 0 5%	1/10W
R914	1-218-867-11	RES-CHIP 6.8K 2%	1/16W	< SWITCH >			
R915	1-218-863-11	RES-CHIP 4.7K 2%	1/16W	S901	1-771-884-31	SWITCH, TACTILE (WITH LED) (OFF)	
R916	1-218-859-11	RES-CHIP 3.3K 2%	1/16W	S902	1-771-884-31	SWITCH, TACTILE (WITH LED) (SOURCE)	
R917	1-218-855-11	RES-CHIP 2.2K 2%	1/16W	S903	1-771-884-31	SWITCH, TACTILE (WITH LED) (CLOSE)	
R918	1-218-851-11	RES-CHIP 1.5K 2%	1/16W	S904	1-771-884-31	SWITCH, TACTILE (WITH LED) (VOL -)	
R919	1-218-851-11	RES-CHIP 1.5K 2%	1/16W	S905	1-771-884-31	SWITCH, TACTILE (WITH LED) (SCRL)	
R920	1-218-847-11	RES-CHIP 1K 2%	1/16W	S906	1-771-884-31	SWITCH, TACTILE (WITH LED) (DSPL)	
R921	1-219-286-11	RES-CHIP 680 2%	1/16W	S907	1-771-884-31	SWITCH, TACTILE (WITH LED) (VOL +)	
R922	1-219-286-11	RES-CHIP 680 2%	1/16W	S908	1-771-884-31	SWITCH, TACTILE (WITH LED) (MODE)	
R923	1-219-286-11	RES-CHIP 680 2%	1/16W	S909	1-771-884-31	SWITCH, TACTILE (WITH LED) (IMAGE)	
R925	1-218-871-11	RES-CHIP 10K 2%	1/16W (AEP,UK,E)	S911	1-771-884-31	SWITCH, TACTILE (WITH LED) (▲)	
R928	1-216-829-11	METAL CHIP 4.7K 5%	1/10W	S912	1-771-884-31	SWITCH, TACTILE (WITH LED) (DISC -)	
R929	1-216-833-11	METAL CHIP 10K 5%	1/10W	S913	1-771-884-31	SWITCH, TACTILE (WITH LED) (ENTER)	
R935	1-216-033-00	METAL CHIP 220 5%	1/10W	S914	1-771-884-31	SWITCH, TACTILE (WITH LED) (SEEK/AMS ►►► ►►►)	
R936	1-216-033-00	METAL CHIP 220 5%	1/10W	S915	1-771-884-31	SWITCH, TACTILE (WITH LED) (LIST)	
R939	1-216-845-11	METAL CHIP 100K 5%	1/10W	S916	1-771-884-31	SWITCH, TACTILE (WITH LED) (DISC +)	
R940	1-216-845-11	METAL CHIP 100K 5%	1/10W	S917	1-771-884-31	SWITCH, TACTILE (WITH LED) (MENU)	
R941	1-216-845-11	METAL CHIP 100K 5%	1/10W				
R942	1-216-845-11	METAL CHIP 100K 5%	1/10W				

CDX-M800

DISPLAY	IN SELF SW	LOAD SW	MAIN
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Ref. No.	Part No.	Description	Remark
S918	1-771-884-31	SWITCH, TACTILE (WITH LED) (SEEK/AMS ◀◀ ◀◀)	
S919	1-771-884-31	SWITCH, TACTILE (WITH LED) (DSO)	
S920	1-771-884-31	SWITCH, TACTILE (WITH LED) (EQ7)	
S921	1-771-884-31	SWITCH, TACTILE (WITH LED) (SOUND)	
S922	1-771-884-21	SWITCH, TACTILE (WITH LED) (TA) (AEP,UK,E)	
S931	1-771-884-31	SWITCH, TACTILE (WITH LED) (OPEN)	
S932	1-771-884-31	SWITCH, TACTILE (WITH LED) (RESET)	
< VIBRATOR >			
X301	1-795-818-21	VIBRATOR, CRYSTAL (30MHz)	

	1-683-283-11	IN SELF SW BOARD	

	1-685-337-11	LOAD SW BOARD	

	A-3274-749-A	MAIN BOARD, COMPLETE (US,CND)	
	A-3274-769-A	MAIN BOARD, COMPLETE (AEP,UK,E)	

	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
	7-685-792-09	SCREW +PTT 2.6X6 (S)	
	7-685-795-09	SCREW +PTT 2.6X12 (S)	
< CAPACITOR >			
C101	1-126-940-11	ELECT 330uF 20%	16V
C102	1-104-942-11	ELECT 1uF 20%	50V
C103	1-135-473-21	ELECT 3300uF 20%	16V
C104	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C105	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C142	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C173	1-128-428-11	ELECT 10uF 20%	35V
C178	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C183	1-128-428-11	ELECT 10uF 20%	35V
C188	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C199	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C201	1-115-467-11	CERAMIC CHIP 0.22uF 10%	10V
C202	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C203	1-124-257-00	ELECT 2.2uF 20%	50V
C204	1-124-234-00	ELECT 22uF 20%	16V
C206	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C207	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C212	1-104-396-11	ELECT 10uF 20%	16V
C214	1-104-396-11	ELECT 10uF 20%	16V
C215	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C218	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C219	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C221	1-104-396-11	ELECT 10uF 20%	16V
C223	1-104-396-11	ELECT 10uF 20%	16V
C226	1-104-396-11	ELECT 10uF 20%	16V
C242	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C273	1-128-428-11	ELECT 10uF 20%	35V
C278	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C283	1-128-428-11	ELECT 10uF 20%	35V
C288	1-162-927-11	CERAMIC CHIP 100PF 5%	50V

Ref. No.	Part No.	Description	Remark
C301	1-128-057-11	ELECT 330uF 20%	6.3V
C302	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C303	1-124-584-00	ELECT 100uF 20%	10V
C304	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C305	1-124-234-00	ELECT 22uF 20%	16V
C306	1-124-234-00	ELECT 22uF 20%	16V
C307	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C308	1-104-942-11	ELECT 1uF 20%	50V
C309	1-104-942-11	ELECT 1uF 20%	50V
C310	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C311	1-128-647-11	DOUBLE LAYERS 1F	5.5V
C312	1-124-584-00	ELECT 100uF 20%	10V
C313	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C315	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C316	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C317	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C318	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V
C319	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C320	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C321	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C322	1-164-160-11	CERAMIC CHIP 20PF 5%	50V
C323	1-162-917-11	CERAMIC CHIP 15PF 5%	50V
C334	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C335	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C336	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C337	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C338	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C339	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C341	1-124-589-11	ELECT 47uF 20%	16V
C342	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C401	1-124-589-11	ELECT 47uF 20%	16V
C402	1-125-889-11	CERAMIC CHIP 2.2uF 10%	10V
C416	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C417	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C418	1-104-396-11	ELECT 10uF 20%	16V
C419	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C420	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C421	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C422	1-124-584-00	ELECT 100uF 20%	10V
C423	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C424	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V
C425	1-136-154-00	FILM 0.012uF 5%	50V
C426	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C427	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C428	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C429	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C430	1-162-965-11	CERAMIC CHIP 0.0015uF 10%	50V
C431	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C432	1-136-154-00	FILM 0.012uF 5%	50V
C433	1-104-942-11	ELECT 1uF 20%	50V
C434	1-104-942-11	ELECT 1uF 20%	50V
C435	1-104-942-11	ELECT 1uF 20%	50V
C442	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C443	1-128-428-11	ELECT 10uF 20%	35V
C501	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C502	1-104-396-11	ELECT 10uF 20%	16V
C503	1-124-259-11	ELECT 4.7uF 20%	16V

(AEP,UK,E)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C505	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (AEP,UK,E)	D113	6-500-508-01	DIODE RR263M-400FTR	
C506	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (AEP,UK,E)	D114	6-500-508-01	DIODE RR263M-400FTR	
C520	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V (AEP,UK,E)	D115	6-500-508-01	DIODE RR263M-400FTR	
C521	1-164-156-11	CERAMIC CHIP	0.1uF 25V (AEP,UK,E)	D116	6-500-508-01	DIODE RR263M-400FTR	
C522	1-162-920-11	CERAMIC CHIP	27PF 5% 50V (AEP,UK,E)	D117	6-500-508-01	DIODE RR263M-400FTR	
C523	1-162-920-11	CERAMIC CHIP	27PF 5% 50V (AEP,UK,E)	D118	8-719-053-18	DIODE 1SR154-400TE-25	
C524	1-126-786-11	ELECT	47uF 20% 16V (AEP,UK,E)	D119	8-719-053-18	DIODE 1SR154-400TE-25	
C525	1-164-156-11	CERAMIC CHIP	0.1uF 25V (AEP,UK,E)	D120	8-719-053-18	DIODE 1SR154-400TE-25	
C526	1-162-959-11	CERAMIC CHIP	330PF 5% 50V (AEP,UK,E)	D121	8-719-053-18	DIODE 1SR154-400TE-25	
C527	1-135-834-11	CERAMIC CHIP	2.2uF 6.3V (AEP,UK,E)	D122	8-719-978-33	DIODE DTZ-TT11-6.8B	
C528	1-164-739-11	CERAMIC CHIP	560PF 5% 50V (AEP,UK,E)	D302	8-719-914-43	DIODE DAN202K	
C802	1-165-874-21	ELECT CHIP	120uF 20% 6.3V	D303	8-719-914-44	DIODE DAP202K	
C803	1-128-576-11	ELECT	100uF 20% 63V	D305	8-719-988-61	DIODE 1SS355TE-17	
C807	1-110-501-11	CERAMIC CHIP	0.33uF 10% 16V	D401	8-719-404-50	DIODE MA111-TX	
C809	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D501	8-719-069-55	DIODE UDZS-TE-17-5.6B	
C810	1-104-607-21	ELECT CHIP	47uF 20% 16V	D802	8-719-053-18	DIODE 1SR154-400TE-25	
C823	1-126-924-11	ELECT	330uF 20% 10V	D803	8-719-053-18	DIODE 1SR154-400TE-25	
C928	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D804	8-719-055-30	DIODE D1FS4A-TA	
C901	1-124-234-00	ELECT	22uF 20% 16V	D805	8-719-055-30	DIODE D1FS4A-TA	
C903	1-164-156-11	CERAMIC CHIP	0.1uF 25V	D806	8-719-055-33	DIODE D1FL40	
C930	1-124-234-00	ELECT	22uF 20% 16V	D808	8-719-978-33	DIODE DTZ-TT11-6.8B	
< CONNECTOR >				D810	8-719-978-33	DIODE DTZ-TT11-6.8B	
* CN401	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P		D819	8-719-978-33	DIODE DTZ-TT11-6.8B	
* CN503	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P		D820	8-719-978-33	DIODE DTZ-TT11-6.8B	
* CN601	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P		D825	8-719-978-33	DIODE DTZ-TT11-6.8B	
CNP101	1-774-701-21	PIN, CONNECTOR 16P		D826	8-719-978-33	DIODE DTZ-TT11-6.8B	
CNP102	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)		D827	8-719-978-33	DIODE DTZ-TT11-6.8B	
CNP301	1-815-260-11	CONNECTOR, BOARD TO BOARD 30P		D828	8-719-978-33	DIODE DTZ-TT11-6.8B	
CNP805	1-563-614-31	CONNECTOR, FLEXIBLE 11P		D829	8-719-978-33	DIODE DTZ-TT11-6.8B	
* CNP902	1-568-954-11	PIN, CONNECTOR 5P		D831	8-719-978-33	DIODE DTZ-TT11-6.8B	
CNP909	1-774-677-21	CONNECTOR, FPC (ZIF) 24P		D832	8-719-988-61	DIODE 1SS355TE-17	
< JACK >				D843	8-719-978-33	DIODE DTZ-TT11-6.8B	
CNJ101	1-764-270-11	JACK, STEREO MINIATURE (DIA.3.5) (REMOTE IN) (AEP,UK,E)		D904	8-719-988-61	DIODE 1SS355TE-17	
< DIODE >				D905	8-719-069-54	DIODE UDZS-TE-17-5.1B	
D101	8-719-083-66	DIODE UDZS-TE-17-18B		D907	8-719-988-61	DIODE 1SS355TE-17	
D102	8-719-083-66	DIODE UDZS-TE-17-18B		D909	8-719-988-61	DIODE 1SS355TE-17	
D103	8-719-420-51	DIODE MA729		< FERRITE BEAD >			
D104	8-719-069-56	DIODE UDZS-TE-17-6.2B		FB101	1-414-813-11	FERRITE, EMI (SMD) (AEP,UK,E)	
D105	8-719-083-66	DIODE UDZS-TE-17-18B		FB102	1-414-813-11	FERRITE, EMI (SMD) (AEP,UK,E)	
D106	8-719-978-33	DIODE DTZ-TT11-6.8B		FB301	1-216-295-11	SHORT CHIP 0	
D109	8-719-049-38	DIODE 1N5404TU		FB302	1-216-295-11	SHORT CHIP 0	
D110	6-500-508-01	DIODE RR263M-400FTR		FB303	1-414-813-11	FERRITE, EMI (SMD)	
D111	6-500-508-01	DIODE RR263M-400FTR		FB501	1-414-813-11	FERRITE, EMI (SMD) (AEP,UK,E)	
D112	6-500-508-01	DIODE RR263M-400FTR		< IC >			
				IC201	6-703-375-01	IC TDA8588J/N1	
				IC301	8-759-449-89	IC BA8270F-E2	
				IC302	8-759-658-25	IC PST3432UL	
				IC303	6-802-884-01	IC M30626FHPGP-052 (US,CND)	
				IC303	6-802-885-01	IC M30626FHPGP-053 (AEP,UK,E)	
				IC306	8-759-668-14	IC PQ09DZ1U	
				IC307	8-759-580-33	IC BA6288FS-E2	
				IC308	8-759-701-01	IC NJM2904M	
				IC401	6-703-303-01	IC TDA7416	
				IC502	6-703-809-01	IC SAA6588T/V2-518 (AEP,UK,E)	
				IC800	8-759-598-63	IC LM2577SX-ADJ	

MAIN

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
< JUMPER RESISTOR >							R174	1-216-809-11	METAL CHIP	100	5%	1/10W	
JR300	1-216-864-11	METAL CHIP	0	5%	1/10W		R175	1-216-841-11	METAL CHIP	47K	5%	1/10W	
JR301	1-216-864-11	METAL CHIP	0	5%	1/10W		R182	1-216-864-11	METAL CHIP	0	5%	1/10W	
					(AEP,UK,E)		R184	1-216-809-11	METAL CHIP	100	5%	1/10W	
JR302	1-216-864-11	METAL CHIP	0	5%	1/10W		R185	1-216-841-11	METAL CHIP	47K	5%	1/10W	
					(US,CND)								
< COIL >							R201	1-216-841-11	METAL CHIP	47K	5%	1/10W	
L101	1-419-476-31	COIL, CHOKE	250uH				R202	1-216-809-11	METAL CHIP	100	5%	1/10W	
L302	1-414-185-51	INDUCTOR	22uH (US,CND)				R203	1-216-821-11	METAL CHIP	1K	5%	1/10W	
L303	1-412-006-31	INDUCTOR	10uH				R204	1-216-821-11	METAL CHIP	1K	5%	1/10W	
L800	1-424-911-11	COIL, POWER	100uH				R205	1-216-821-11	METAL CHIP	1K	5%	1/10W	
< JACK >													
PJ401	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN/AUX-IN, AUDIO OUT REAR/FRONT)					R206	1-216-821-11	METAL CHIP	1K	5%	1/10W	
< TRANSISTOR >							R242	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
Q101	8-729-900-53	TRANSISTOR	DTC114EK				R243	1-216-833-11	METAL CHIP	10K	5%	1/10W	
Q102	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R				R272	1-216-864-11	METAL CHIP	0	5%	1/10W	
Q103	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R				R274	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q171	8-729-920-21	TRANSISTOR	DTC314TK-T-146										
Q181	8-729-920-21	TRANSISTOR	DTC314TK-T-146				R275	1-216-841-11	METAL CHIP	47K	5%	1/10W	
							R282	1-216-864-11	METAL CHIP	0	5%	1/10W	
Q271	8-729-920-21	TRANSISTOR	DTC314TK-T-146				R284	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q281	8-729-920-21	TRANSISTOR	DTC314TK-T-146				R285	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q301	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R				R301	1-216-864-11	METAL CHIP	0	5%	1/10W	
Q305	8-729-901-00	TRANSISTOR	DTC124EK										
Q306	8-729-216-22	TRANSISTOR	2SA1162-G				R302	1-216-864-11	METAL CHIP	0	5%	1/10W	
Q307	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R				R303	1-216-864-11	METAL CHIP	0	5%	1/10W	
Q401	8-729-900-53	TRANSISTOR	DTC114EK				R304	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q402	8-729-027-23	TRANSISTOR	DTA114EKA-T146				R305	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q408	8-729-053-84	FET	SSM3K09FU(T5LSONY1)				R306	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q470	8-729-920-21	TRANSISTOR	DTC314TK-T-146										
Q501	8-729-106-68	TRANSISTOR	2SD1615A-GP				R307	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q801	8-729-054-36	FET	UPA1716G-E2				R308	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q802	1-801-806-11	TRANSISTOR	DTC144EKA				R309	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q907	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R				R310	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q914	8-729-027-31	TRANSISTOR	DTA124EKA-T146				R311	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q915	8-729-015-11	TRANSISTOR	2SD1802FAST-TL										
Q916	8-729-901-00	TRANSISTOR	DTC124EK				R312	1-216-845-11	METAL CHIP	100K	5%	1/10W	
< RESISTOR >							R313	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R101	1-216-835-11	METAL CHIP	15K	5%	1/10W		R316	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R102	1-216-821-11	METAL CHIP	1K	5%	1/10W		R317	1-216-809-11	METAL CHIP	100	5%	1/10W	
R103	1-216-821-11	METAL CHIP	1K	5%	1/10W		R318	1-216-864-11	METAL CHIP	0	5%	1/10W	
R104	1-216-829-11	METAL CHIP	4.7K	5%	1/10W								
R105	1-216-841-11	METAL CHIP	47K	5%	1/10W		R319	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R106	1-216-841-11	METAL CHIP	47K	5%	1/10W		R320	1-216-809-11	METAL CHIP	100	5%	1/10W	
R107	1-216-073-00	RES-CHIP	10K	5%	1/10W		R322	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R108	1-216-073-00	RES-CHIP	10K	5%	1/10W		R323	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R109	1-216-833-11	METAL CHIP	10K	5%	1/10W		R324	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R110	1-216-833-11	METAL CHIP	10K	5%	1/10W								
R111	1-216-841-11	METAL CHIP	47K	5%	1/10W		R325	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R112	1-216-821-11	METAL CHIP	1K	5%	1/10W		R326	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R142	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R327	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R143	1-216-833-11	METAL CHIP	10K	5%	1/10W		R328	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R172	1-216-864-11	METAL CHIP	0	5%	1/10W		R332	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	(AEP,UK,E)
							R333	1-216-809-11	METAL CHIP	100	5%	1/10W	(AEP,UK,E)
							R334	1-216-097-11	RES-CHIP	100K	5%	1/10W	
							R335	1-216-837-11	METAL CHIP	22K	5%	1/10W	
							R336	1-216-836-11	METAL CHIP	18K	5%	1/10W	
							R337	1-216-073-00	RES-CHIP	10K	5%	1/10W	
							R338	1-216-837-11	METAL CHIP	22K	5%	1/10W	
							R339	1-216-085-11	RES-CHIP	33K	5%	1/10W	
							R340	1-216-298-00	METAL CHIP	2.2	5%	1/10W	
							R341	1-216-298-00	METAL CHIP	2.2	5%	1/10W	
							R343	1-216-809-11	METAL CHIP	100	5%	1/10W	
							R346	1-216-833-11	METAL CHIP	10K	5%	1/10W	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R350	1-216-809-11	METAL CHIP	100	5%	1/10W	R519	1-216-817-11	METAL CHIP	470	5%	1/10W
R351	1-216-809-11	METAL CHIP	100	5%	1/10W						(AEP,UK,E)
R356	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R520	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R357	1-218-871-11	METAL CHIP	10K	0.5%	1/10W						(AEP,UK,E)
R361	1-216-864-11	METAL CHIP	0	5%	1/10W	R521	1-216-797-11	METAL CHIP	10	5%	1/10W
					(AEP,UK,E)						(AEP,UK,E)
R364	1-216-845-11	METAL CHIP	100K	5%	1/10W	R800	1-216-230-00	RES-CHIP	22K	5%	1/8W
					(AEP,UK,E)	R801	1-216-230-00	RES-CHIP	22K	5%	1/8W
R365	1-216-845-11	METAL CHIP	100K	5%	1/10W	R803	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R366	1-216-845-11	METAL CHIP	100K	5%	1/10W	R804	1-218-754-11	METAL CHIP	120K	0.5%	1/10W
R367	1-216-845-11	METAL CHIP	100K	5%	1/10W	R805	1-216-296-11	SHORT CHIP	0		
R368	1-216-809-11	METAL CHIP	100	5%	1/10W	R806	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R369	1-216-809-11	METAL CHIP	100	5%	1/10W	R807	1-218-704-11	METAL CHIP	3.3K	0.5%	1/10W
R370	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R808	1-216-833-11	METAL CHIP	10K	5%	1/10W
R371	1-216-298-00	METAL CHIP	2.2	5%	1/10W	R809	1-216-864-11	METAL CHIP	0	5%	1/10W
R372	1-216-809-11	METAL CHIP	100	5%	1/10W	R811	1-216-845-11	METAL CHIP	100K	5%	1/10W
R373	1-216-845-11	METAL CHIP	100K	5%	1/10W	R812	1-216-845-11	METAL CHIP	100K	5%	1/10W
R374	1-216-841-11	METAL CHIP	47K	5%	1/10W	R833	1-216-821-11	METAL CHIP	1K	5%	1/10W
R375	1-216-841-11	METAL CHIP	47K	5%	1/10W	R845	1-216-821-11	METAL CHIP	1K	5%	1/10W
R376	1-216-841-11	METAL CHIP	47K	5%	1/10W	R866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R377	1-216-845-11	METAL CHIP	100K	5%	1/10W	R901	1-216-864-11	METAL CHIP	0	5%	1/10W
R378	1-216-864-11	METAL CHIP	0	5%	1/10W	R902	1-216-864-11	METAL CHIP	0	5%	1/10W
R401	1-216-017-11	RES-CHIP	47	5%	1/10W	R903	1-216-864-11	METAL CHIP	0	5%	1/10W
R402	1-216-809-11	METAL CHIP	100	5%	1/10W	R906	1-216-864-11	METAL CHIP	0	5%	1/10W
R407	1-216-841-11	METAL CHIP	47K	5%	1/10W	R907	1-216-864-11	METAL CHIP	0	5%	1/10W
R408	1-216-809-11	METAL CHIP	100	5%	1/10W	R908	1-216-864-11	METAL CHIP	0	5%	1/10W
R410	1-216-295-11	SHORT CHIP	0			R909	1-216-864-11	METAL CHIP	0	5%	1/10W
R414	1-216-833-11	METAL CHIP	10K	5%	1/10W	R910	1-216-845-11	METAL CHIP	100K	5%	1/10W
R415	1-216-833-11	METAL CHIP	10K	5%	1/10W	R911	1-216-809-11	METAL CHIP	100	5%	1/10W
R416	1-216-809-11	METAL CHIP	100	5%	1/10W						(AEP,UK,E)
R417	1-216-809-11	METAL CHIP	100	5%	1/10W	R911	1-216-864-11	METAL CHIP	0	5%	1/10W
R418	1-216-809-11	METAL CHIP	100	5%	1/10W						(US,CND)
R419	1-216-809-11	METAL CHIP	100	5%	1/10W	R912	1-216-864-11	METAL CHIP	0	5%	1/10W
R420	1-216-833-11	METAL CHIP	10K	5%	1/10W	R915	1-216-845-11	METAL CHIP	100K	5%	1/10W
R421	1-216-833-11	METAL CHIP	10K	5%	1/10W	R920	1-216-073-00	RES-CHIP	10K	5%	1/10W
R422	1-216-813-11	METAL CHIP	220	5%	1/10W	R921	1-216-073-00	RES-CHIP	10K	5%	1/10W
R424	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R922	1-216-845-11	METAL CHIP	100K	5%	1/10W
R425	1-216-864-11	METAL CHIP	0	5%	1/10W	R929	1-216-837-11	METAL CHIP	22K	5%	1/10W
R429	1-216-864-11	METAL CHIP	0	5%	1/10W	R949	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R431	1-216-864-11	METAL CHIP	0	5%	1/10W	R950	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R433	1-216-864-11	METAL CHIP	0	5%	1/10W						< TRANSFORMER >
R435	1-216-864-11	METAL CHIP	0	5%	1/10W						
R439	1-216-864-11	METAL CHIP	0	5%	1/10W	T800	1-439-812-11	TRANSFORMER, DC-DC CONVERTER			
R440	1-216-864-11	METAL CHIP	0	5%	1/10W						< THERMISTOR (POSITIVE) >
R441	1-216-864-11	METAL CHIP	0	5%	1/10W						
R442	1-216-864-11	METAL CHIP	0	5%	1/10W	TH100	1-801-792-21	THERMISTOR, POSITIVE			
R443	1-216-864-11	METAL CHIP	0	5%	1/10W						< TUNER >
R444	1-216-864-11	METAL CHIP	0	5%	1/10W						
R445	1-216-864-11	METAL CHIP	0	5%	1/10W	TUX501	A-3220-887-A	TUNER UNIT (TUX-030)			
R446	1-216-864-11	METAL CHIP	0	5%	1/10W						< VIBRATOR >
R478	1-216-864-11	METAL CHIP	0	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	X301	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)			
R503	1-216-864-11	METAL CHIP	0	5%	1/10W	X302	1-767-419-21	VIBRATOR, CRYSTAL (6MHz)			
R504	1-216-864-11	METAL CHIP	0	5%	1/10W	X501	1-579-900-21	VIBRATOR, CRYSTAL (4.3MHz) (AEP,UK,E)			
R505	1-216-864-11	METAL CHIP	0	5%	1/10W						*****
R518	1-216-797-11	METAL CHIP	10	5%	1/10W						
					(AEP,UK,E)						

CDX-M800

SERVO

SL SW

SUB

Ref. No.	Part No.	Description	Remark			
	A-3283-233-A	SERVO BOARD, COMPLETE	*****			
	1-683-284-11	FLEXIBLE BOARD				
		< CAPACITOR >				
C1	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C3	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C4	1-104-609-11	ELECT CHIP	100uF	20%	4V	
C5	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C6	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C9	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
C10	1-162-924-11	CERAMIC CHIP	56PF	5%	50V	
C11	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	
C13	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
C14	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C18	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C19	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C21	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C22	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C23	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C26	1-126-391-11	ELECT CHIP	47uF	20%	6.3V	
C27	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C29	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C30	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C34	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C35	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C36	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C37	1-126-393-11	ELECT CHIP	33uF	20%	10V	
C38	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C41	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C43	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	
C44	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C45	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
		< CONNECTOR >				
CN1	1-815-352-11	CONNECTOR, BOARD TO BOARD 30P				
CN3	1-816-275-21	CONNECTOR, FFC/FPC 6P				
		< JUMPER RESISTOR >				
FB1	1-216-864-11	METAL CHIP	0	5%	1/10W	
		< IC >				
IC1	8-759-699-98	IC uPD63711GC-8EU				
IC2	8-759-658-87	IC BA5810FP-E2				
		< TRANSISTOR >				
Q1	8-729-904-87	TRANSISTOR 2SB1197K-R				

Ref. No.	Part No.	Description	Remark			
		< RESISTOR >				
R3	1-216-797-11	METAL CHIP	10	5%	1/10W	
R5	1-218-344-11	METAL CHIP	7.5K	5%	1/10W	
R7	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R8	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R9	1-216-840-11	METAL CHIP	39K	5%	1/10W	
R10	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R12	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R14	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R15	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R17	1-216-809-11	METAL CHIP	100	5%	1/10W	
R18	1-216-809-11	METAL CHIP	100	5%	1/10W	
R19	1-216-809-11	METAL CHIP	100	5%	1/10W	
R20	1-216-809-11	METAL CHIP	100	5%	1/10W	
R21	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R22	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R26	1-216-797-11	METAL CHIP	10	5%	1/10W	
R29	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R30	1-216-833-11	METAL CHIP	10K	5%	1/10W	
		< VIBRATOR >				
X1	1-795-520-11	VIBRATOR, CERAMIC (16.9344MHz)	*****			
	1-683-282-11	SL SW BOARD	*****			

	1-687-950-11	SUB BOARD	*****			
	1-783-268-11	CABLE, FLAT (FFC) 11P (CN501)				
		< CAPACITOR >				
C533	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C535	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C536	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C537	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C538	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	
C539	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C540	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	
		< DIODE >				
D506	8-719-069-54	DIODE UDZS-TE-17-5.1B				
D507	8-719-978-33	DIODE DTZ-TT11-6.8B				
D511	8-719-083-66	DIODE UDZS-TE-17-18B				
D512	8-719-079-10	LED CL-220UB-X-TS (DISC IN)				
D513	8-719-083-14	DIODE RRX9000-0501				
D514	8-719-988-61	DIODE 1SS355TE-17				
		< FERRITE BEAD >				
FB503	1-500-329-21	INDUCTOR, FERRITE BEAD				
		< IC >				
IC503	8-759-830-18	IC RRX9000-0601#1				

SUB

SWITCH

Ref. No.	Part No.	Description	Remark		
< JUMPER RESISTOR >					
JR552	1-216-864-11	METAL CHIP	0	5%	1/10W
< TRANSISTOR >					
Q503	8-729-216-22	TRANSISTOR	2SA1162-G		
Q504	8-729-900-53	TRANSISTOR	DTC114EK		
< RESISTOR >					
R509	1-216-846-11	METAL CHIP	120K	5%	1/10W
R531	1-216-833-11	METAL CHIP	10K	5%	1/10W
R532	1-216-845-11	METAL CHIP	100K	5%	1/10W
R533	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R534	1-216-035-00	METAL CHIP	270	5%	1/10W
R536	1-216-288-11	METAL CHIP	300	5%	1/10W
R538	1-216-850-11	METAL CHIP	270K	5%	1/10W
< SWITCH >					
SW501	1-692-135-21	SWITCH, KEYBOARD (RESET)			

A-3326-298-A		SWITCH BOARD, COMPLETE (including SW900)			

		MISCELLANEOUS			

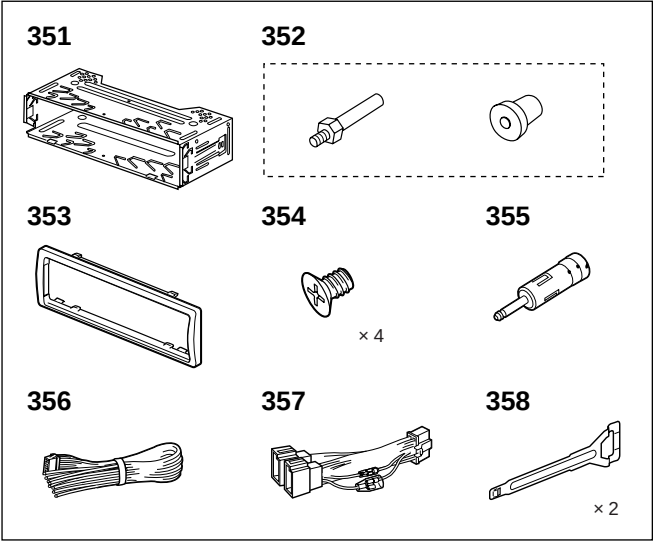
8	1-776-207-72	CORD (WITH CONNECTOR) (POWER)			
		(US,CND,E)			
8	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)			
		(AEP,UK)			
107	1-777-246-41	CORD (WITH CONNECTOR) (ANTENNA)			
108	1-790-375-22	CORD (WITH CONNECTOR) (SUB OUT (MONO))			
167	1-687-952-11	FLEXIBLE BOARD			
301	X-3378-480-1	CHASSIS (OP) ASSY (including M901)			
307	1-823-641-11	CABLE, FLEXIBLE FLAT (6 CORE)			
△ 310	8-820-165-06	OPTICAL PICK-UP KSS-721A/C-RP			
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A			
M601	X-3378-769-1	MOTOR ASSY (OPEN/CLOSE)			
M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)			
M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)			

Ref. No.	Part No.	Description	Remark
ACCESSORIES			

1-476-546-12		REMOTE COMMANDER (RM-X111) (AEP,UK,E)	
1-476-546-22		REMOTE COMMANDER (RM-X110) (US,CND)	
3-230-549-01		LID, BATTERY CASE (for RM-X110/X111)	
3-251-123-11		MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH) (US,CND)	
3-251-123-21		MANUAL, INSTRUCTION (ENGLISH,GERMAN,FRENCH,ITALIAN,DUTCH) (AEP,UK)	
3-251-123-31		MANUAL, INSTRUCTION (ENGLISH,TRADITIONAL CHINESE) (E)	
3-251-125-11		MANUAL, INSTRUCTION, INSTALL (ENGLISH,FRENCH,SPANISH) (US,CND)	
3-251-125-21		MANUAL, INSTRUCTION, INSTALL (ENGLISH,GERMAN,FRENCH,ITALIAN,DUTCH) (AEP,UK)	
3-251-125-31		MANUAL, INSTRUCTION, INSTALL (ENGLISH,TRADITIONAL CHINESE) (E)	

PARTS FOR INSTALLATION AND CONNECTIONS

351	X-3382-647-1	FRAME ASSY, FITTING
352	X-3366-405-1	SCREW ASSY (EXP), FITTING (AEP,UK,E)
353	X-3382-821-1	COLLAR ASSY
354	3-934-325-01	SCREW (+K 5X8 TP) (US,CND,E)
355	1-465-459-21	ADAPTOR, ANTENNA (AEP,UK)
356	1-776-207-72	CORD (WITH CONNECTOR) (POWER) (US,CND,E)
357	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER) (AEP,UK)
358	3-246-011-01	KEY (FRAME)



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

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

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

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

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