

CDX-F5510/F5510X/F5550EE

SERVICE MANUAL

Ver. 1.1 2006. 01

US Model

Canadian Model

CDX-F5510

E Model

CDX-F5510X

East European Model

CDX-F5550EE



Photo: CDX-F5510

- 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.

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-611TA-186//K
Optical Pick-up Name	KSS1000E

SPECIFICATIONS

CD player section

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

Tuner section

FM

Tuning range CDX-F5510:
87.5 – 107.9 MHz
CDX-F5510X:
87.5 – 108 MHz (at 50 kHz step)
87.5 – 107.9 MHz (at 200 kHz step)
CDX-F5550EE:
FM1/FM2: 87.5 – 108.0 MHz
(at 50 kHz step)
FM3 : 65 – 74 MHz
(at 30 kHz step)

FM tuning interval 50 kHz/200 kHz switchable

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 CDX-F5510:
530 – 1,710 kHz
CDX-F5510X:
531 – 1,602 kHz (at 9 kHz step)
530 – 1,710 kHz (at 10 kHz step)
CDX-F5550EE:
531 – 1,602 kHz
AM tuning interval 9 kHz/10 kHz switchable
(CDX-F5510X)

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)

General

Outputs Audio outputs terminal (front, sub/rear switchable)
Power antenna relay control terminal
Power amplifier control terminal
Inputs Telephone ATT control terminal
Illumination control terminal
BUS control input terminal
BUS audio input terminal
Remote controller input terminal
Antenna input terminal

– Continued on next page –

FM/AM COMPACT DISC PLAYER

9-879-304-02

2006A04-1

© 2006. 01

Sony Corporation

eVehicle Division

Published by Sony Techno Create Corporation

SONY®

CDX-F5510/F5510X/F5550EE

Tone controls	Low: ± 10 dB at 60 Hz (XPLOD) Mid: ± 10 dB at 1 kHz (XPLOD) High: ± 10 dB at 10 kHz (XPLOD)
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 177 mm (7 1/8 × 2 × 7 in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 161 mm (7 1/4 × 2 1/8 × 6 3/8 in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb. 10 oz.)
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X151

US and foreign patents licensed from Dolby Laboratories.

Note

This unit cannot be connected to a digital preamplifier or an equalizer which is Sony BUS system compatible.

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.

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!!

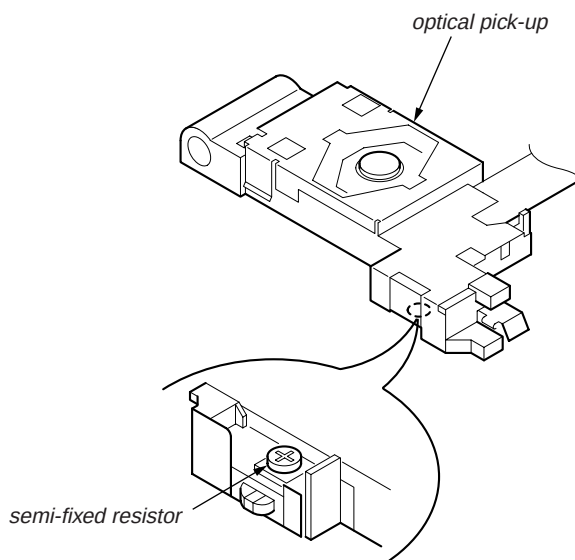
COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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.



- CDX-F5510X/F5550EE model

**CLASS 1
LASER PRODUCT**

This label is located on the bottom of the chassis.

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.

- **CD Playback:**

You can play CD-DA (also containing CD TEXT*¹), CD-R/CD-RW (MP3 files also containing Multi Session and ATRAC CD (ATRAC3 and ATRAC3plus format)).

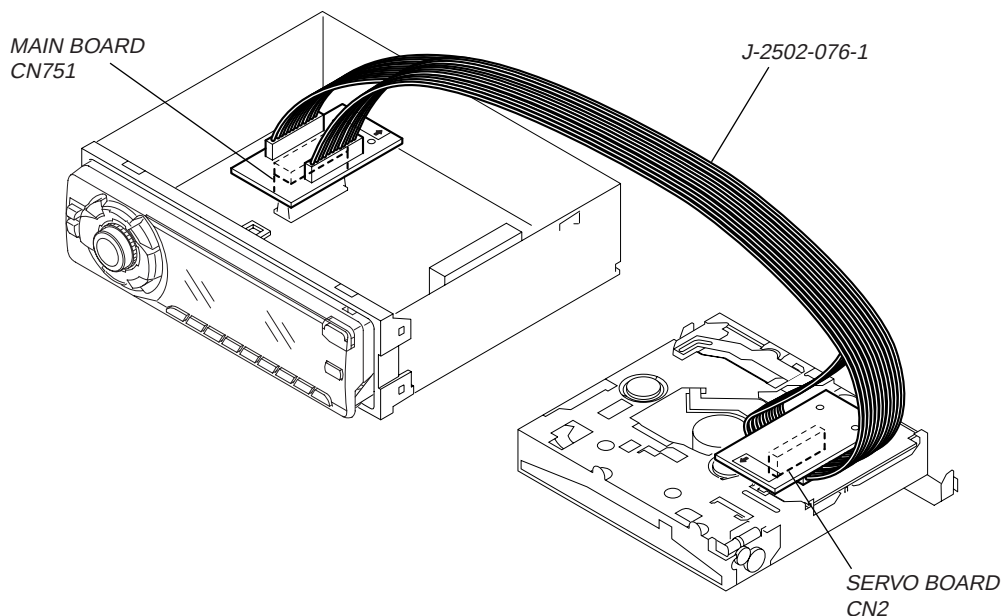
Type of discs	Label on the disc
CD-DA	 
MP3 ATRAC CD	   

*1 A CD TEXT disc is a CD-DA that includes information such as disc, artist and track name.

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.

TABLE OF CONTENTS

1. GENERAL

Location of Controls	5
Connections	6

2. DISASSEMBLY

2-1. Sub Panel Assy (CD)	10
2-2. CD Mechanism Block	10
2-3. Main Board	11
2-4. Chassis (T) Sub Assy	11
2-5. Roller Arm Assy	12
2-6. Chassis (OP) Assy	12
2-7. Optical Pick-up	13
2-8. SL Motor Assy (M902)	13
2-9. LE Motor Assy (M903)	14
2-10. Servo Board	14

3. DIAGRAMS

3-1. Block Diagram –CD Section–	15
3-2. Block Diagram –Main Section–	16
3-3. Block Diagram –Display Section–	17
3-4. Circuit Boards Location	17
3-5. Printed Wiring Boards –CD Mechanism Section–	19
3-6. Schematic Diagram –CD Mechanism Section (1/2)–	20
3-7. Schematic Diagram –CD Mechanism Section (2/2)–	21
3-8. Schematic Diagram –Main Section (1/3)–	22
3-9. Schematic Diagram –Main Section (2/3)–	23
3-10. Schematic Diagram –Main Section (3/3)–	24
3-11. Printed Wiring Boards –Main Section–	25
3-12. Printed Wiring Board –Relay Section–	26
3-13. Printed Wiring Board –Display Section–	27
3-14. Schematic Diagram –Display Section–	28

4. EXPLODED VIEWS

4-1. Main Section	36
4-2. Front Panel Section	37
4-3. CD Mechanism Section (1)	38
4-4. CD Mechanism Section (2)	39
4-5. CD Mechanism Section (3)	40
4-6. CD Mechanism Section (4)	41

5. ELECTRICAL PARTS LIST

42

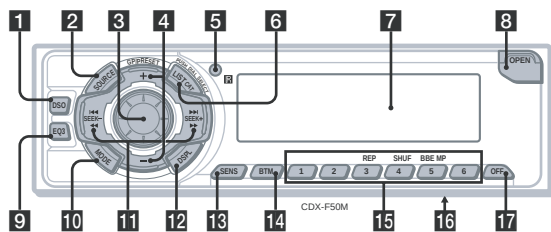
SECTION 1 GENERAL

This section is extracted
from instruction manual.

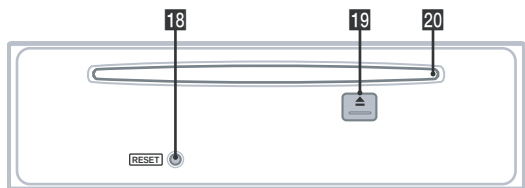
• LOCATION OF CONTROL

Location of controls and basic operations

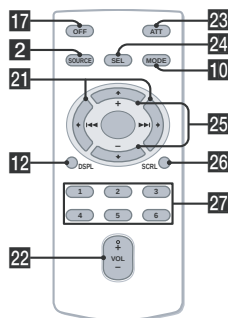
Main unit



Front panel removed



Card remote commander RM-X151 (CDX-F5510 only)



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

- 1 DSO button 2**
To select the DSO mode (1, 2, 3 or OFF). The larger the number, the more enhanced the effect.
- 2 SOURCE button**
To power on/change the source (Radio/CD/MD*/AUX (CDX-F50M only)).
- 3 Volume control dial/Select button 4, 9, 10.**
To adjust volume (rotate); select items (press).
- 4 GP*/PRESET +/- buttons**
To select preset stations/skip groups (press); skip groups continuously (press and hold).
- 5 Receptor for the card remote commander**
- 6 LIST/CAT*¹ button 9, 11**
To list up.
- 7 Display window**
- 8 OPEN button 5**
To open the front panel.
- 9 EQ3 (equalizer) button 9**
To select an equalizer type (XPLOD, VOCAL, CLUB, JAZZ, NEW AGE, ROCK, CUSTOM or OFF).
- 10 MODE button 8, 11**
To select the radio band (FM/AM)/select the unit*⁴.
- 11 SEEK +/- buttons**
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); fast-forward/ reverse a track (press and hold).
- 12 DSPL (display) button 4, 8, 10**
To change display items.
- 13 SENS button**
To improve weak reception: LOCAL/ MONO.
- 14 BTM button 8**
To start the BTM function (press and hold).
- 15 Number buttons**
Radio:
To receive stored stations (press); store stations (press and hold).
CD/MD*¹:
(3): REP 8
(4): SHUF 8
(5): BBE MP*⁵ 3
To activate the BBE MP function, to set "B BEMP-ON" during playback on this unit. To cancel, set "B BEMP-OFF."

- 16 Frequency select switch** (located on the bottom of the unit) (CDX-F50M only)
See "Frequency select switch" in the supplied installation/connections manual.

- 17 OFF button**
To power off/stop the source.
- 18 RESET button 4**
- 19 ▲ (eject) button 5**
To eject the disc.
- 20 Disc slot 5**
To insert the disc.

The following buttons on the card remote commander have also different buttons/functions from the unit.

- 21 ◀ (◀◀)/▶ (▶▶) buttons**
To control radio/CD, the same as (SEEK) +/- on the unit. (For details of other operations, see "With the card remote commander" on each pages.)
- 22 VOL +/- button**
To adjust volume.
- 23 ATT (attenuate) button**
To attenuate the sound. To cancel, press again.
- 24 SEL (select) button**
To control radio/CD, the same as (SEEK) +/- on the unit. (For details of other operations, see "With the card remote commander" on each pages.)
- 25 ↑ (+)/↓ (-) buttons**
To control radio/CD, the same as (GP/PRESET) +/- on the unit. (For details of other operations, see "With the card remote commander" on each pages.)
- 26 SCRL button 8**
To scroll the display item.
- 27 Number buttons**
To receive stored stations (press); store stations (press and hold).

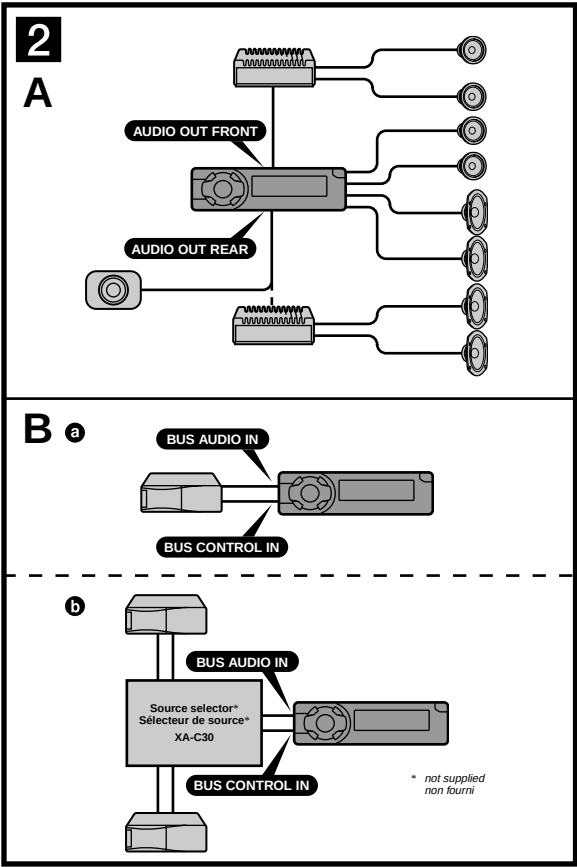
- *1 When an MD changer is connected.
*2 When an MP3/ATRAC CD is played and a changer is not connected. If the changer is connected, the operation is different, see page 11.
*3 When the XM tuner is connected.
*4 When a CD/MD changer is connected.
*5 The unit only.

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

Tip
For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 15.

• CONNECTIONS

• CDX-F5510



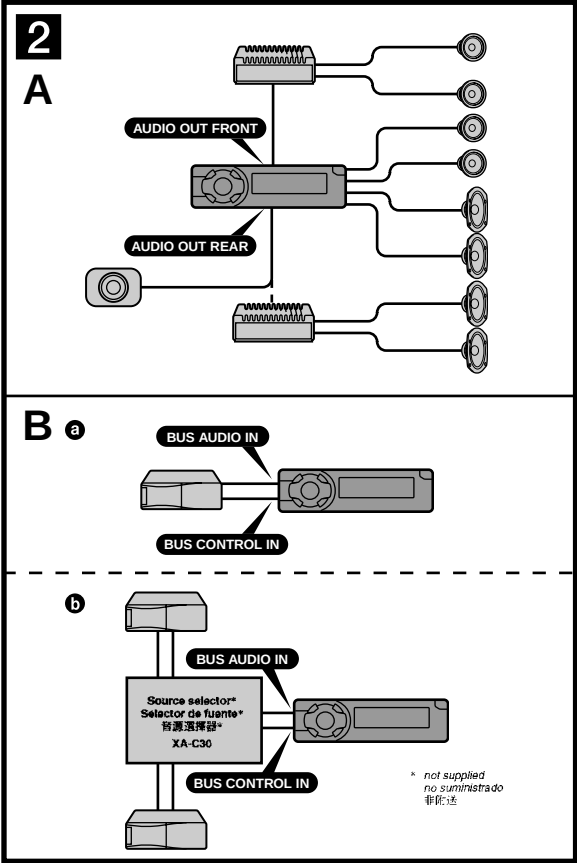
Connection example (2)

- Notes (2-A)**
- Be sure to connect the ground lead before connecting the amplifier.
 - The alarm will only sound if the built-in amplifier is used.
- 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 câble de mise à la masse avant de raccorder l'amplificateur.
 - L'alarme est émise uniquement lorsque l'amplificateur intégré est utilisé.
- 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.

• CDX-F5510X



Connection example (2)

- Notes (2-A)**
- Be sure to connect the earth lead before connecting the amplifier.
 - The alarm will only sound if the built-in amplifier is used.
- Tip (2-B-0)**
- For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

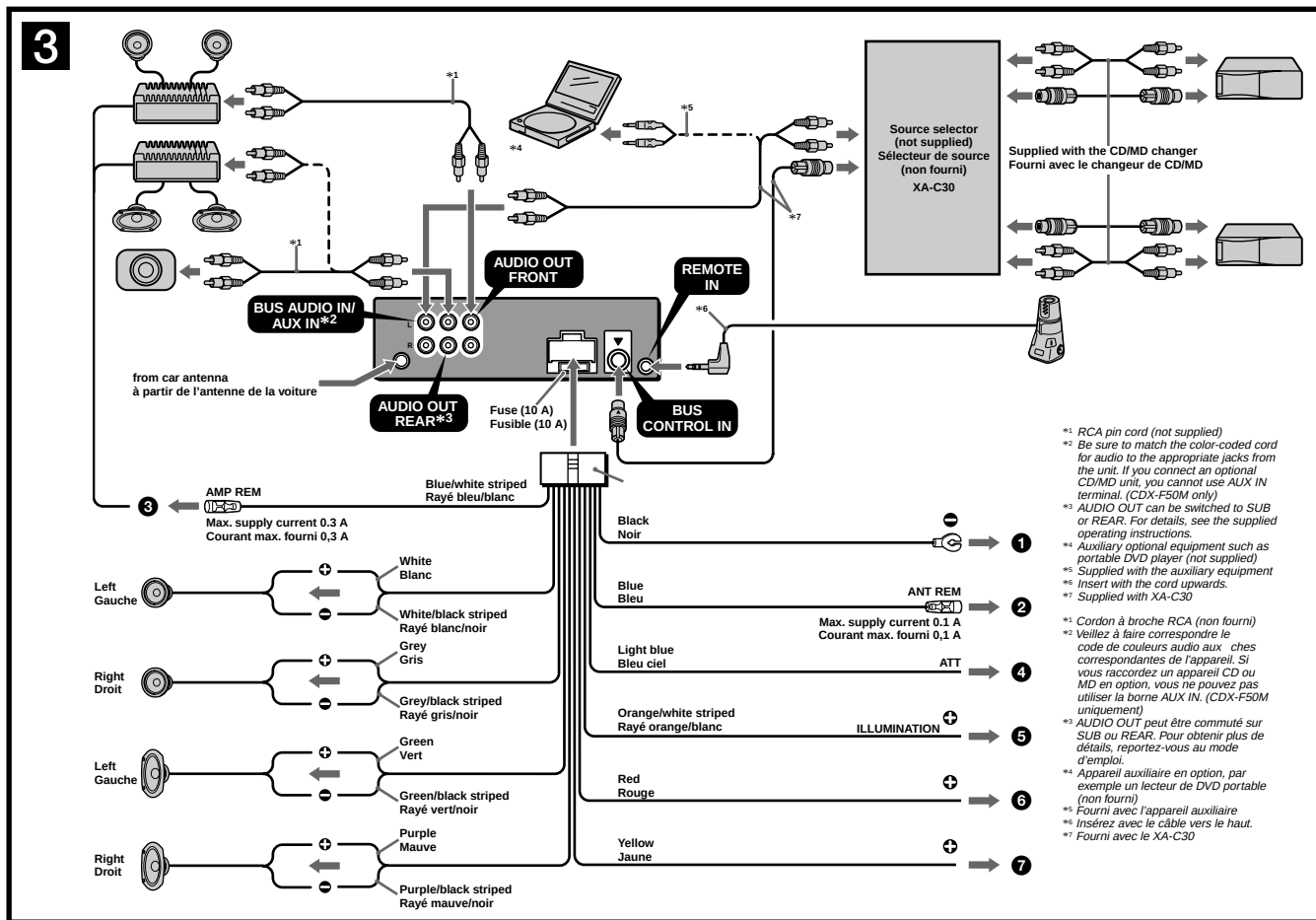
Ejemplo de conexiones (2)

- Notas (2-A)**
- Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.
 - La alarma sonará únicamente si se utiliza el amplificador incorporado.
- Sugerencia (2-B-0)**
- Si desea conectar dos o más cambiadores de CD/MD, necesitará el selector de fuente XA-C30 (opcional).

線路連接圖例 (2)

- 註 (2-A)**
- 務必在接放大器之前連接地線。
 - 如果使用內建放大器，報警器將只發出一聲報警聲。
- 提示 (2-B-0)**
- 若要連接 2 台或更多 CD/MD 換碟機時，必須使用音源選擇器 XA-C30 (選購件)。

• CDX-F5510



Connection diagram (3)

- To a metal surface of the car**
First connect the black ground lead, then connect the orange/white striped, 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 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 first.

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 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)

- À un point métallique de la voiture**
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation rayé orange/blanc, jaune, et rouge.
- Vers le câble de commande d'antenne électrique ou le câble d'alimentation de l'amplificateur d'antenne**
Remarques
• Il n'est pas nécessaire de raccorder ce câble 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 câbles de commande et d'alimentation ».
- Au niveau de 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 câble de mise à la masse noir à un point métallique du véhicule.
• Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».
- À la borne +12 V qui est alimentée en permanence**
Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.

Remarques sur les câbles de commande et d'alimentation

- Le câble de commande d'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 le câble de commande d'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 boîtier de relais ne peut pas être utilisée avec cet appareil.

Raccordement pour la conservation de la mémoire

Lorsque le câble d'entrée d'alimentation jaune est raccorder, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

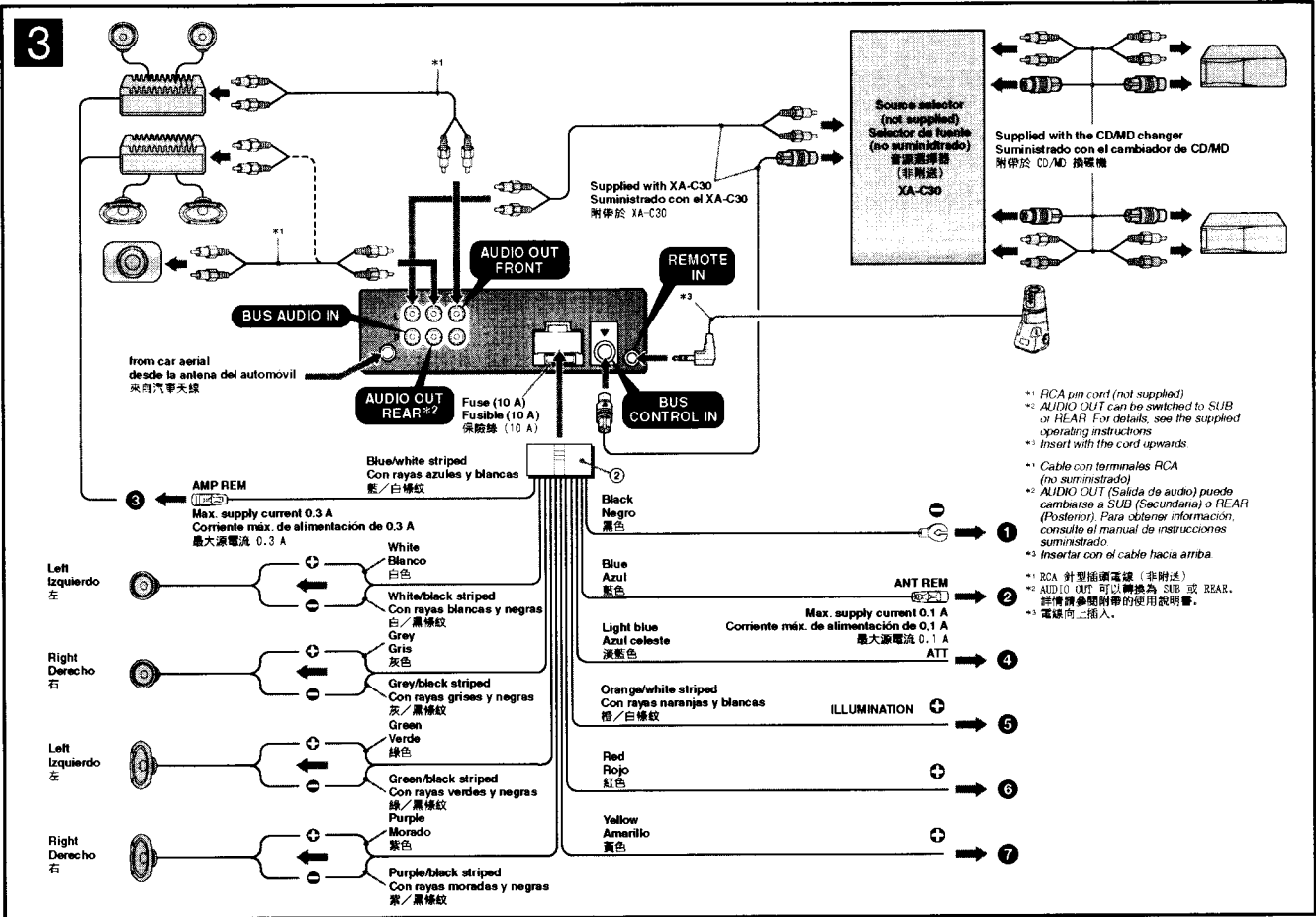
Remarques sur le raccordement des haut-parleurs

- 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 mise à la masse de cet appareil à la borne négative (-) du haut-parleur.
- 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 problème de fonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil partage un câble 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.

CDX-F5510X



Connection diagram (3)

- 1 To a metal surface of the car
- 2 To the power aerial control lead or power supply lead of aerial booster amplifier
- 3 To AMP REMOTE IN of an optional power amplifier
- 4 To the interface cable of a car telephone
- 5 To a car's illumination signal
- 6 To the +12 V power terminal which is energized in the accessory position of the ignition key switch
- 7 To the +12 V power terminal which is energized at all times

Notes on the control and power supply leads

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

Memory hold connection

When the yellow 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 earth lead of this unit to the negative (-) terminal of the speaker.
- Do not attempt to connect the speakers in parallel.
- Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.
- To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (-) lead for the right and left speakers.
- Do not connect the unit's speaker leads to each other.

Note on connection

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

Diagrama de conexión (3)

- 1 A una superficie metálica del automóvil
- 2 Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena
- 3 A AMP REMOTE IN de un amplificador de potencia opcional
- 4 Al cable de interfaz de un teléfono para automóvil
- 5 A una señal de iluminación del automóvil
- 6 Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de la llave de encendido
- 7 Al terminal de alimentación de +12 V que recibe energía sin interrupción

Notes sobre los cables de control y de fuente de alimentación

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

Conexión para protección de la memoria

Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague la llave de encendido.

Notes sobre la conexión de los altavoces

- Antes de conectar los altavoces, desconecte la alimentación de la unidad.
- Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.
- No conecte los terminales de altavoz al chasis del automóvil, ni conecte los terminales del altavoz derecho con los del izquierdo.
- No conecte el cable de conexión a masa de esta unidad al terminal negativo (-) del altavoz.
- No intente conectar los altavoces en paralelo.
- Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.
- Para evitar 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

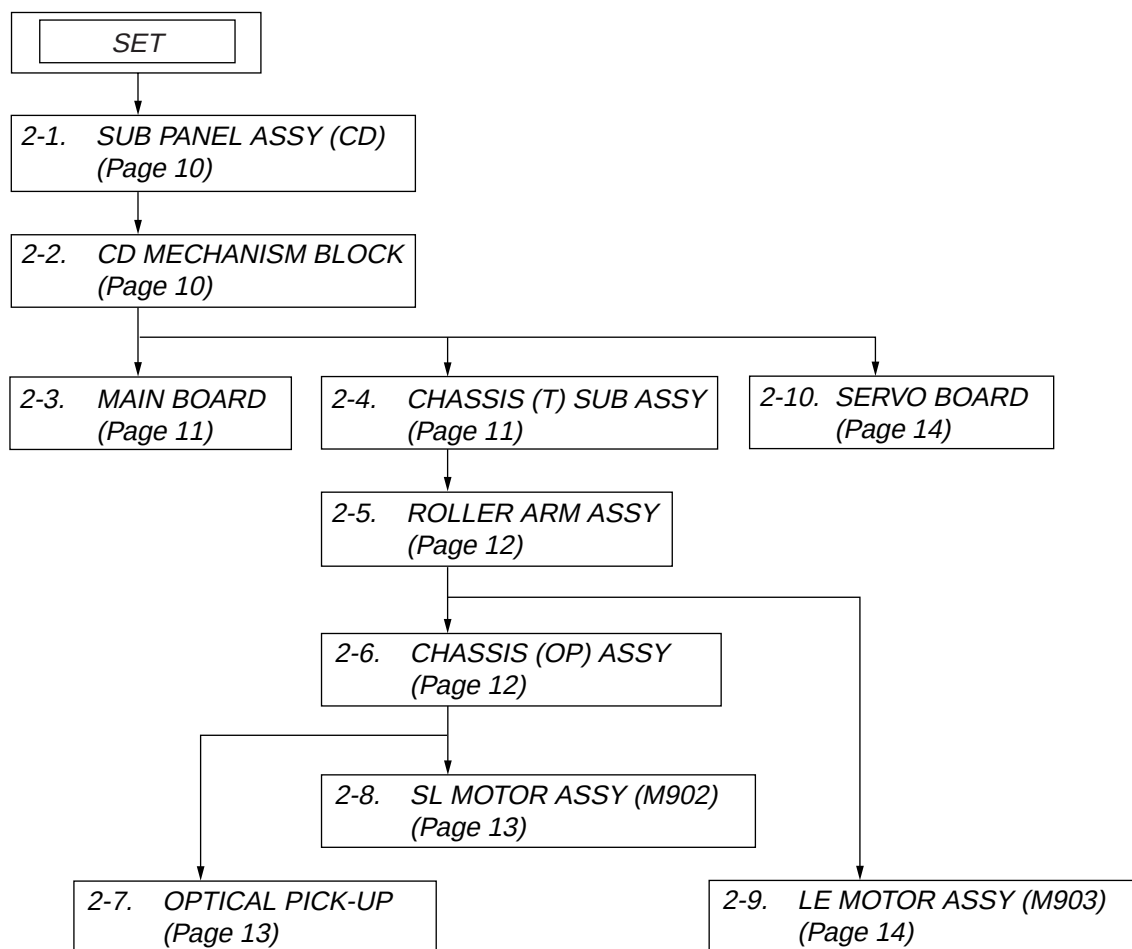
Si el altavoz y el amplificador no están conectados correctamente, aparecerá "FAILURE" en la pantalla. Si es así, compruebe la conexión de ambos dispositivos.

線路連接圖 (3)

- 1 連接至汽車的金屬表面
 - 2 連接至電動天線控制導線或天線升壓放大器的電源導線
 - 3 連接至汽車電話的接口電纜
 - 4 連接至汽車照明顯號
 - 5 連接至始終通電的 +12 V 電源端子
 - 6 連接至始終通電的 +12 V 電源端子
 - 7 連接至始終通電的 +12 V 電源端子
- 控制線和電源線須知
- 接連天線控制線時，電動天線的控制導線（藍色）僅能提供 +12 V 電壓。
 - 若您的汽車後/側玻璃窗上有內置 FM/AM 天線，須將電動天線控制導線（藍色）或輔助電氣輸入導線（紅色）連接至現有大線中電路上的電源端子。詳細內容請向經銷商諮詢。
 - 本機不能使用不具備繼電器盒的電動天線。
- 保持記憶的線路連接法
- 當連接好黃色電源輸入導線時，即使您的發動機點火開關關閉，電源仍會對記憶電路供電。
- 連接線路時的注意事項
- 連接線路前請先關閉本機電源。
 - 使用阻值為 4-8 Ω 且具有足夠功率處理容量的揚聲器，以免損壞揚聲器。
 - 不要將揚聲器端子直接連接到車身，或將右揚聲器端子與左揚聲器端子相連接。
 - 切勿將本機的接地線連接到揚聲器的負（-）接線端。
 - 揚聲器不可互聯連接。
 - 請僅連接無源揚聲器。若將有源揚聲器（帶內置放大器）連接到揚聲器端子上會損壞本機。
 - 若本機發生異常，右揚聲器的共用負極（-）導線，為了避免危險，切勿使用已安裝在車內的內置揚聲器導線。
 - 請勿將本機揚聲器導線相互連接。
- 有關連接注意事項
- 如果未正確連接揚聲器與放大器，則顯示幕上會出現 "FAILURE"。此時，請正確連接揚聲器與放大器。

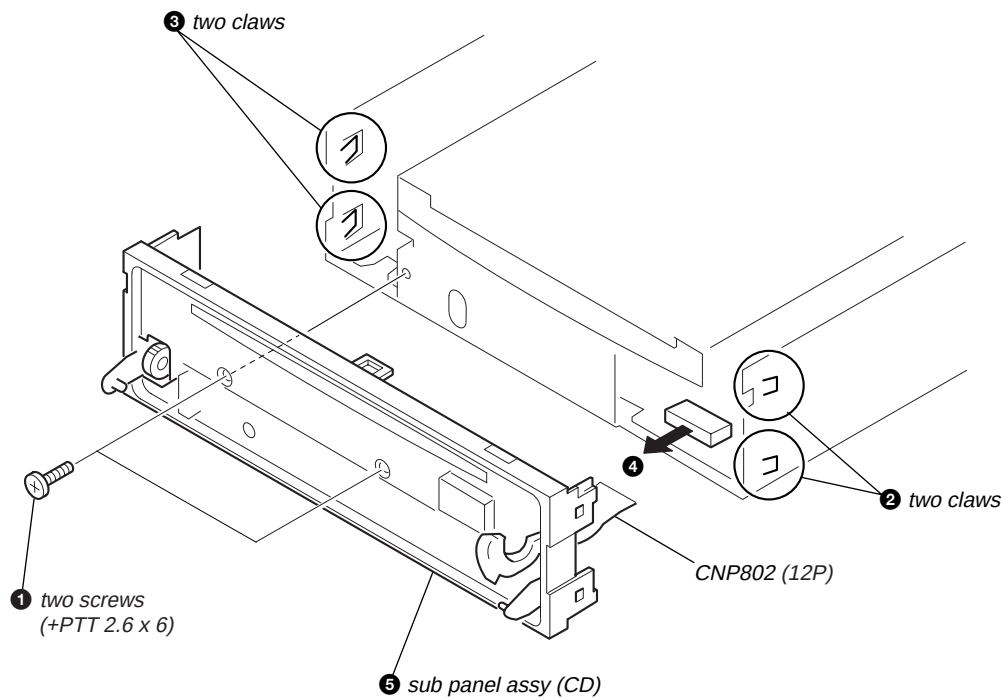
SECTION 2 DISASSEMBLY

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

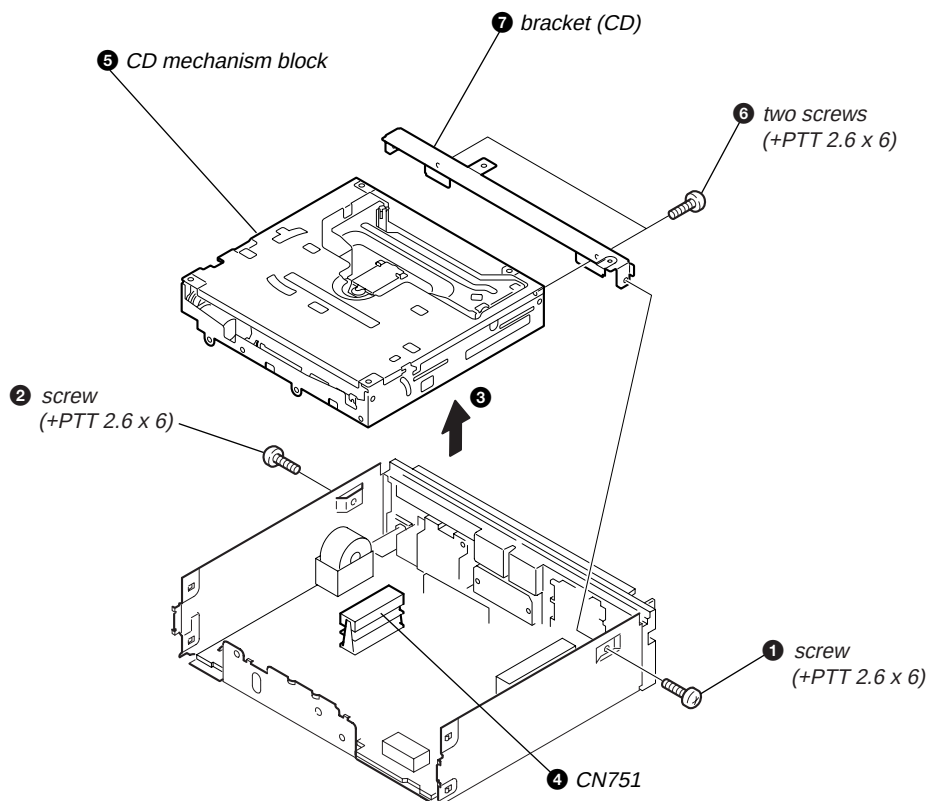


Note : Follow the disassembly procedure in the numerical order given.

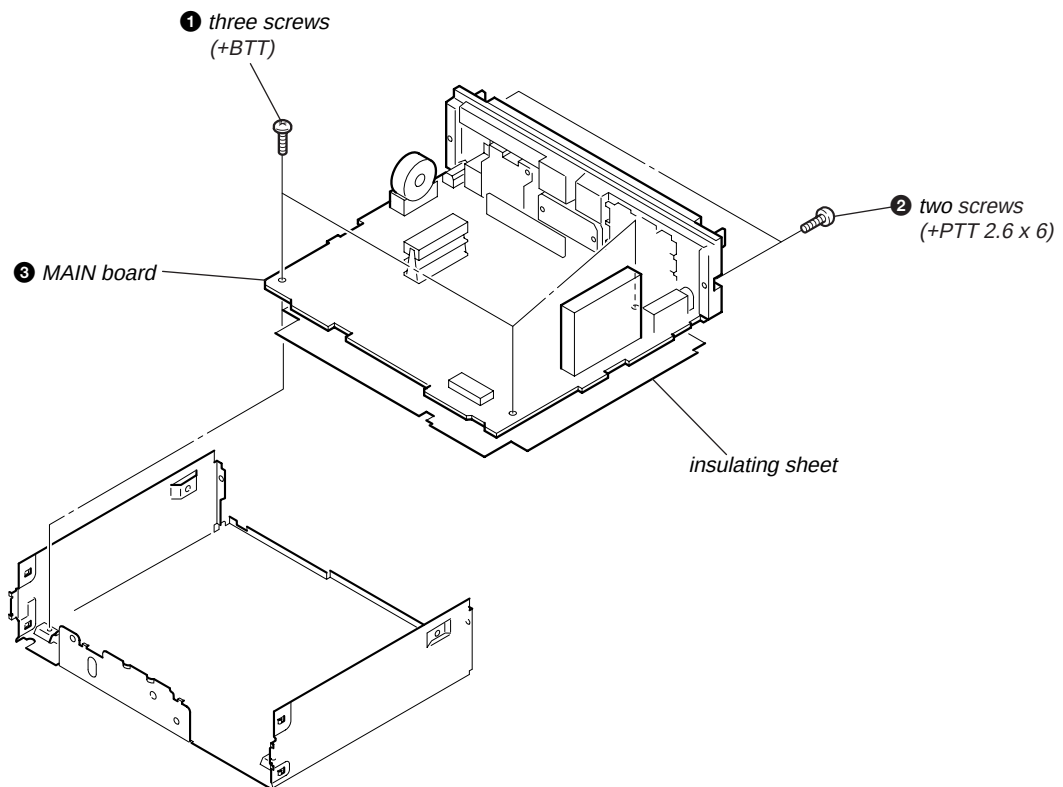
2-1. SUB PANEL ASSY (CD)



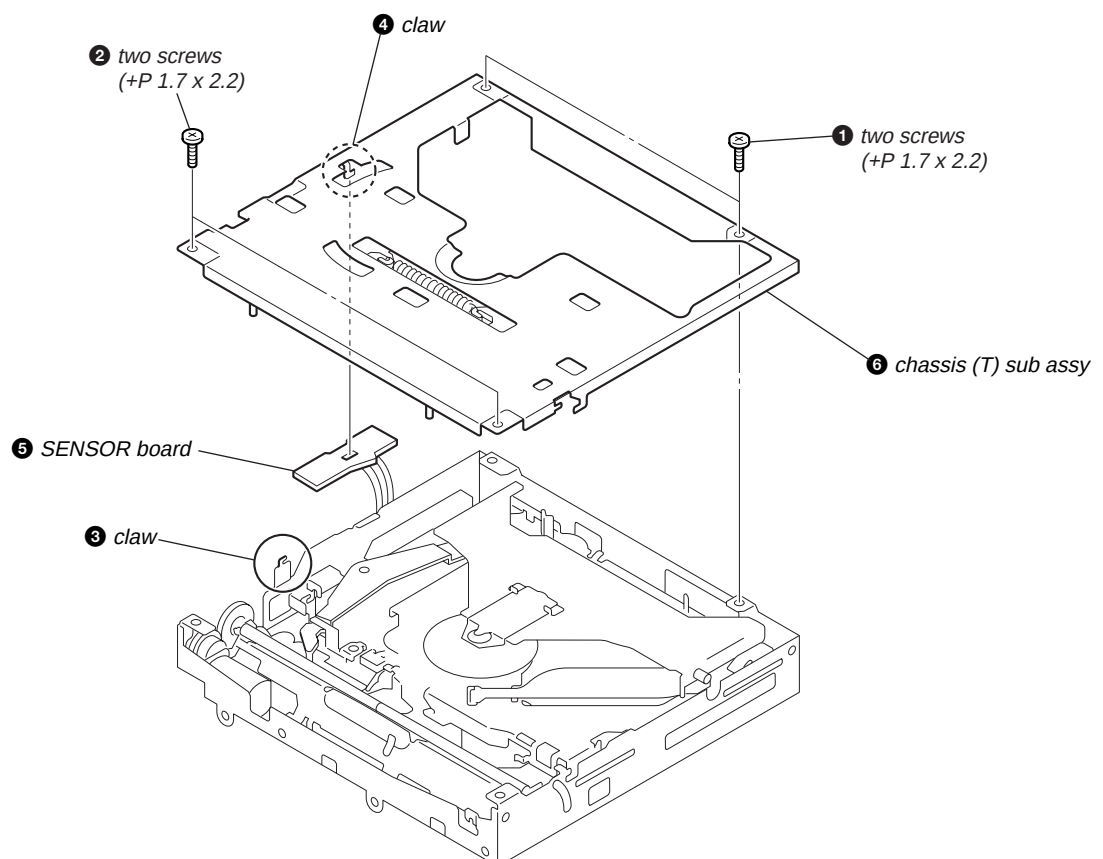
2-2. CD MECHANISM BLOCK



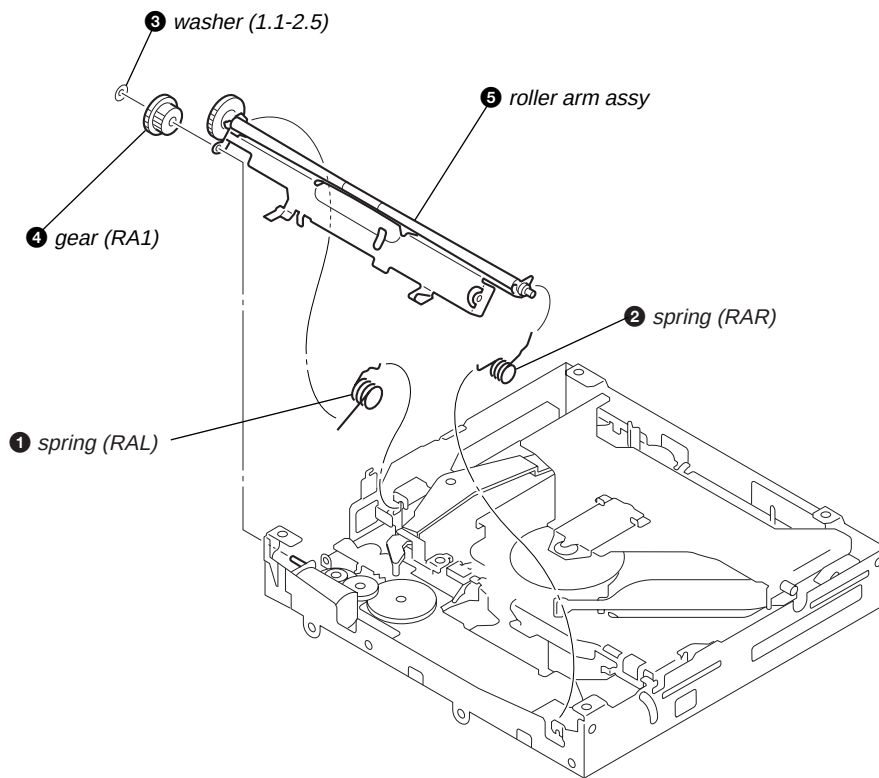
2-3. MAIN BOARD



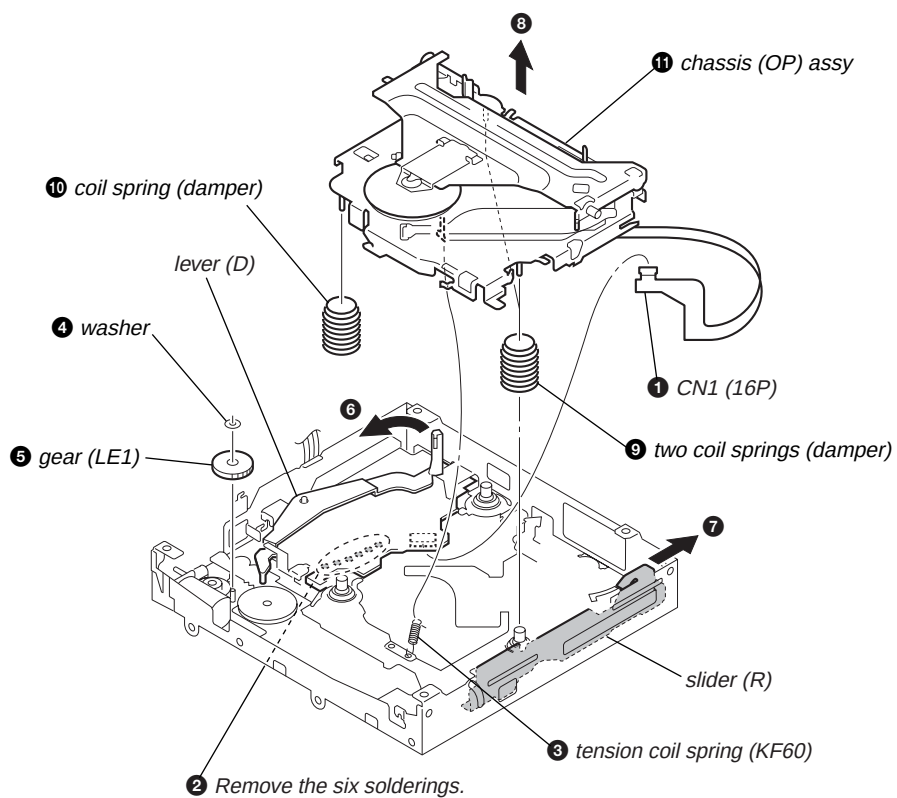
2-4. CHASSIS (T) SUB ASSY



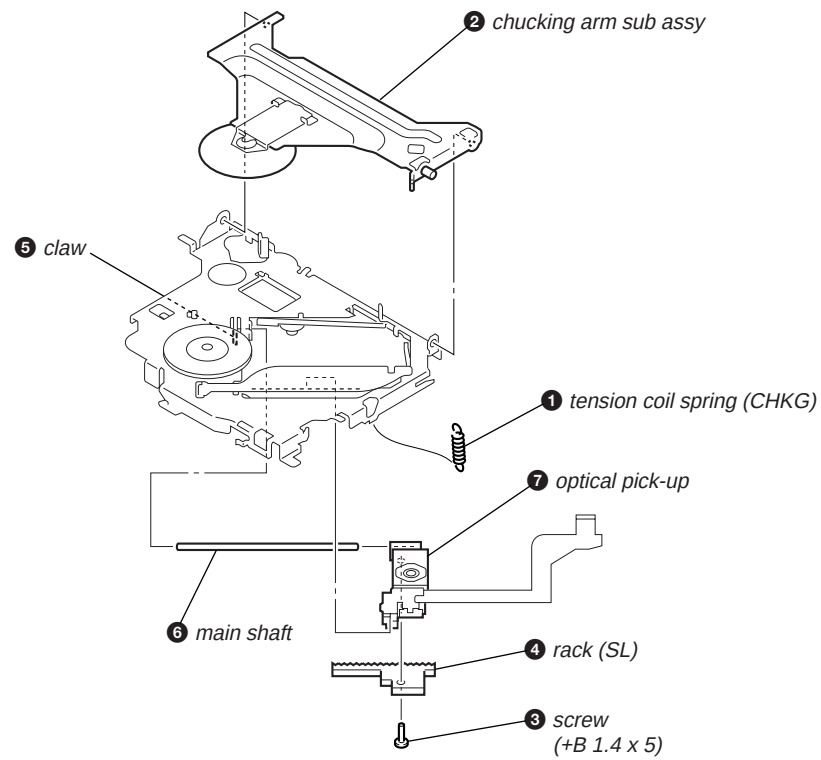
2-5. ROLLER ARM ASSY



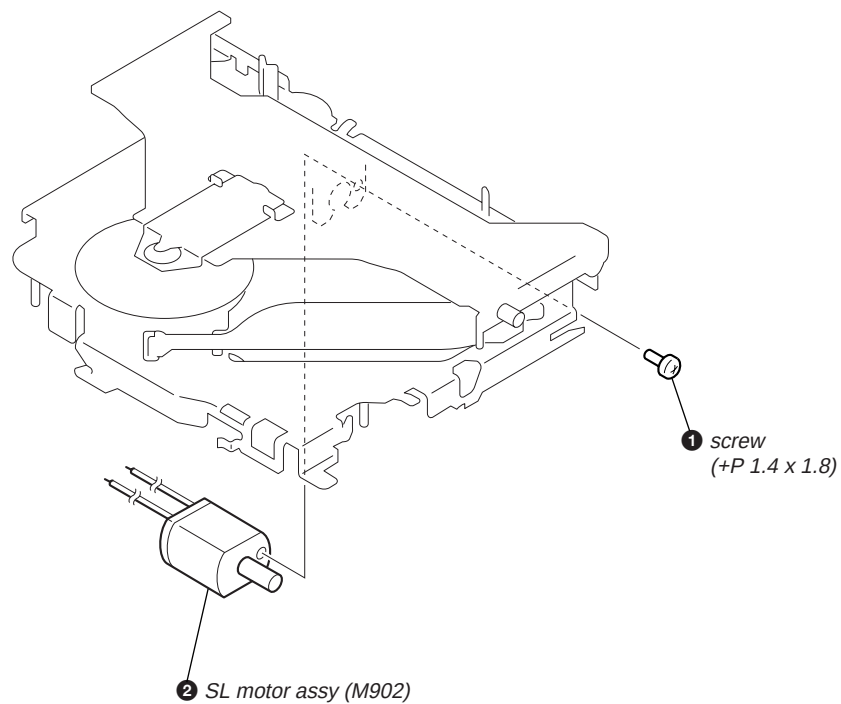
2-6. CHASSIS (OP) ASSY



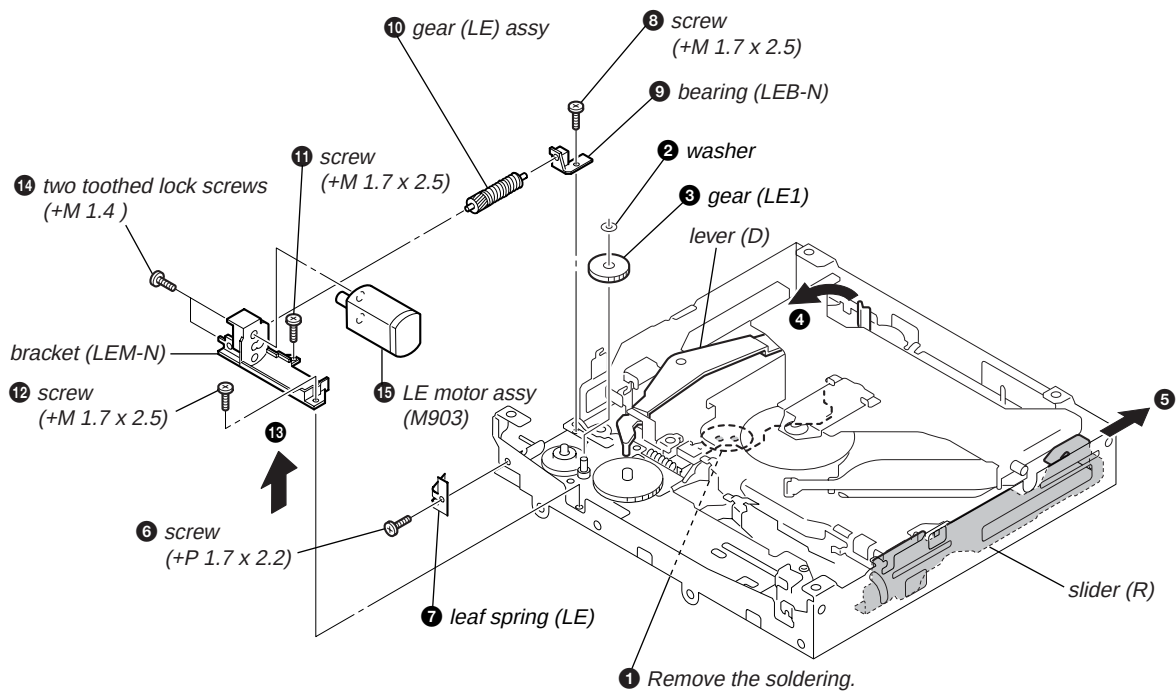
2-7. OPTICAL PICK-UP



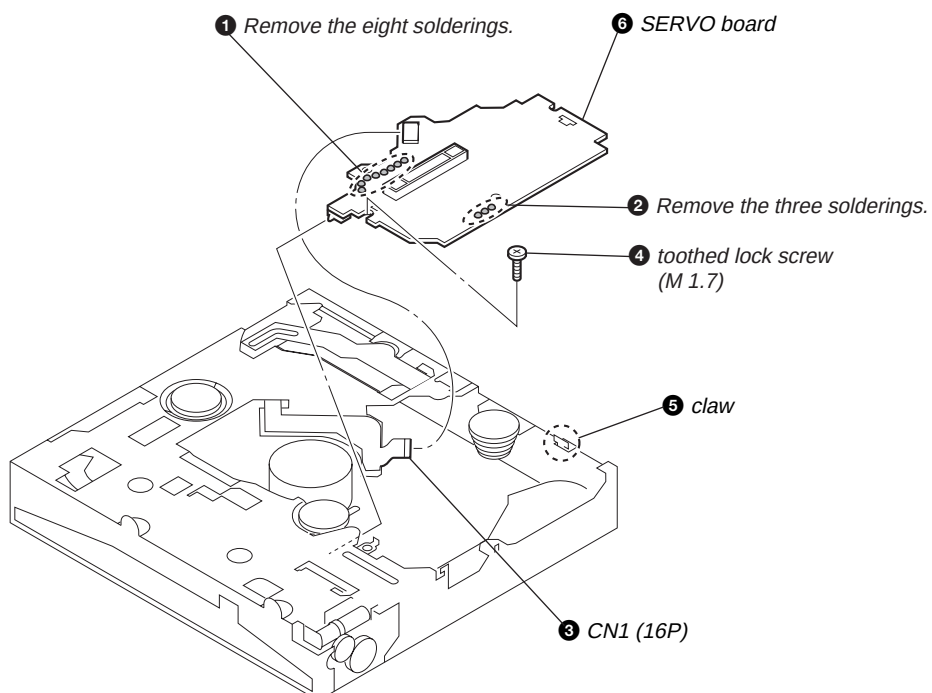
2-8. SL MOTOR ASSY (M902)



2-9. LE MOTOR ASSY (M903)



2-10. SERVO BOARD



The schematic diagram illustrates the internal circuitry of a CD player, organized into several functional blocks:

- Detector Section:** Includes a laser diode, photodiodes (PD1, PD2), an I-V amplifier, and a photodiode array (FPI1, FPI2, FNI1, FNI2) for signal detection.
- RF Amp, Digital Servo, Digital Signal Processor (IC2):** The central processing unit that handles the detected signal, including RF amplification and digital processing.
- Focus/Tracking Coil Drive, Sled/Spindle/Loading Motor Drive (IC1):** Controls the motor drives for the disc, including focus, tracking, and loading.
- System Control (IC3):** Manages the overall system control, including power management and user interface signals.
- System Control (IC6):** A secondary control unit for the system, including power management and user interface signals.
- Power and Grounding:** Shows the power supply rails (VDD, VSS, VCC, GND) and the connection to the main section (Page 16).

Key components and connections include:

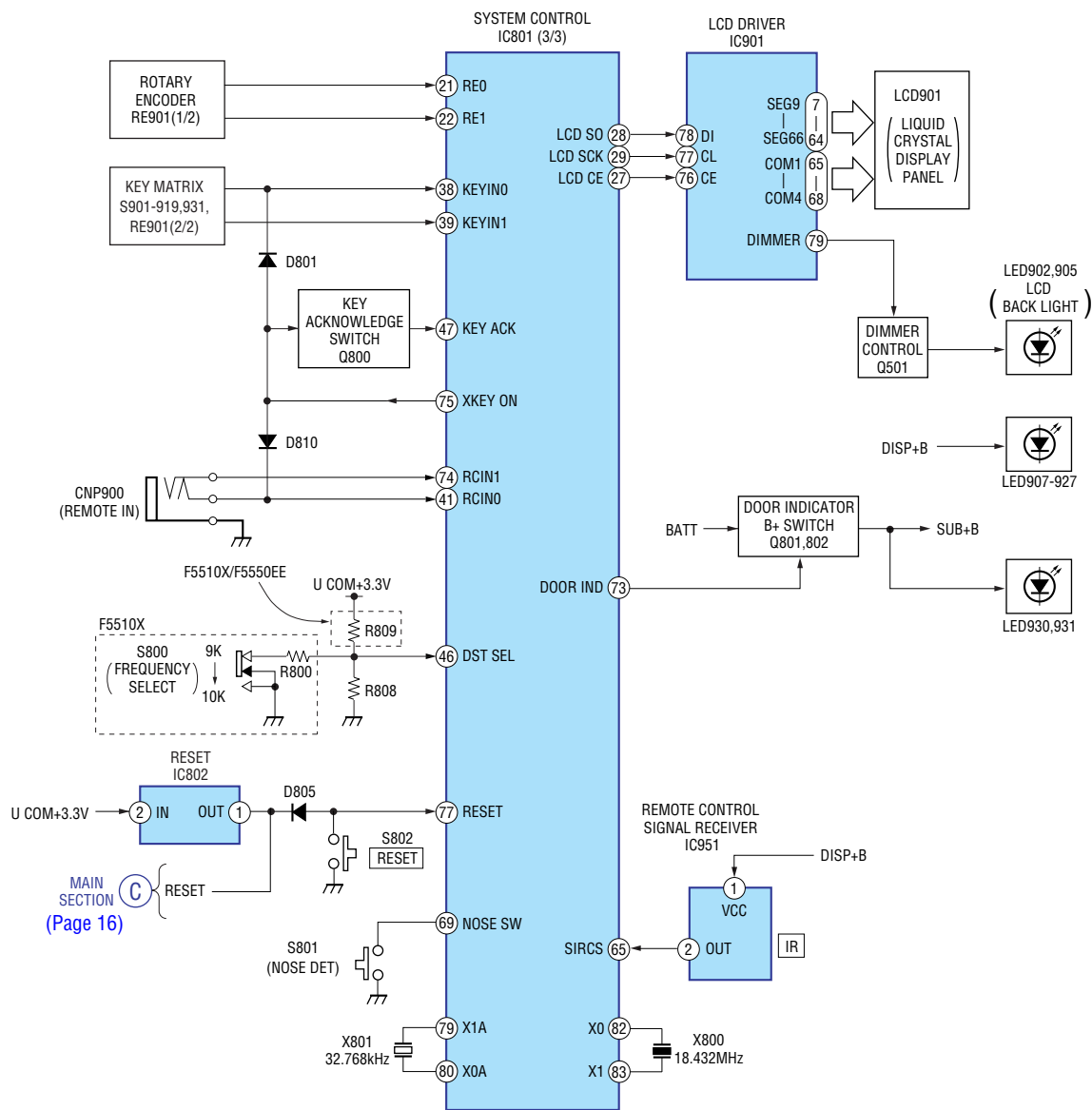
- Optical Pick-up Block (KSS1000E):** The laser diode and photodiodes are part of this block.
- Automatic Power Control (Q1):** A transistor used for power control.
- Motor Drives:** M902 (SLED), M901 (SPINDLE), and M903 (LOADING) are the motor drives controlled by IC1.
- System Control (IC3):** Controls the system, including power management and user interface signals.
- System Control (IC6):** A secondary control unit for the system, including power management and user interface signals.

The diagram is a detailed representation of the CD player's internal circuitry, showing the flow of signals and power between various components.

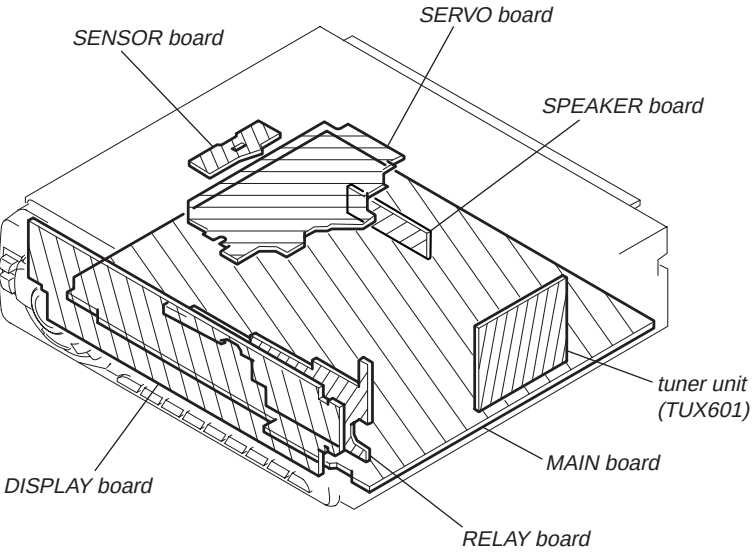
16



3-3. BLOCK DIAGRAM — DISPLAY SECTION —



3-4. CIRCUIT BOARDS LOCATION



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

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

Note:
Les composants identifiés par une marque $\triangle$ 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 (1/2), (2/2)
no mark : CD PLAY
- Main (1/3), (2/3), (3/3) and Display sections
no mark : FM
() : AM/MW/LW
< > : 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/MW/LW
 - : BUS AUDIO

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) parts face are indicated.

C

Q

B

E

These are omitted

B

E

C

These are omitted

E

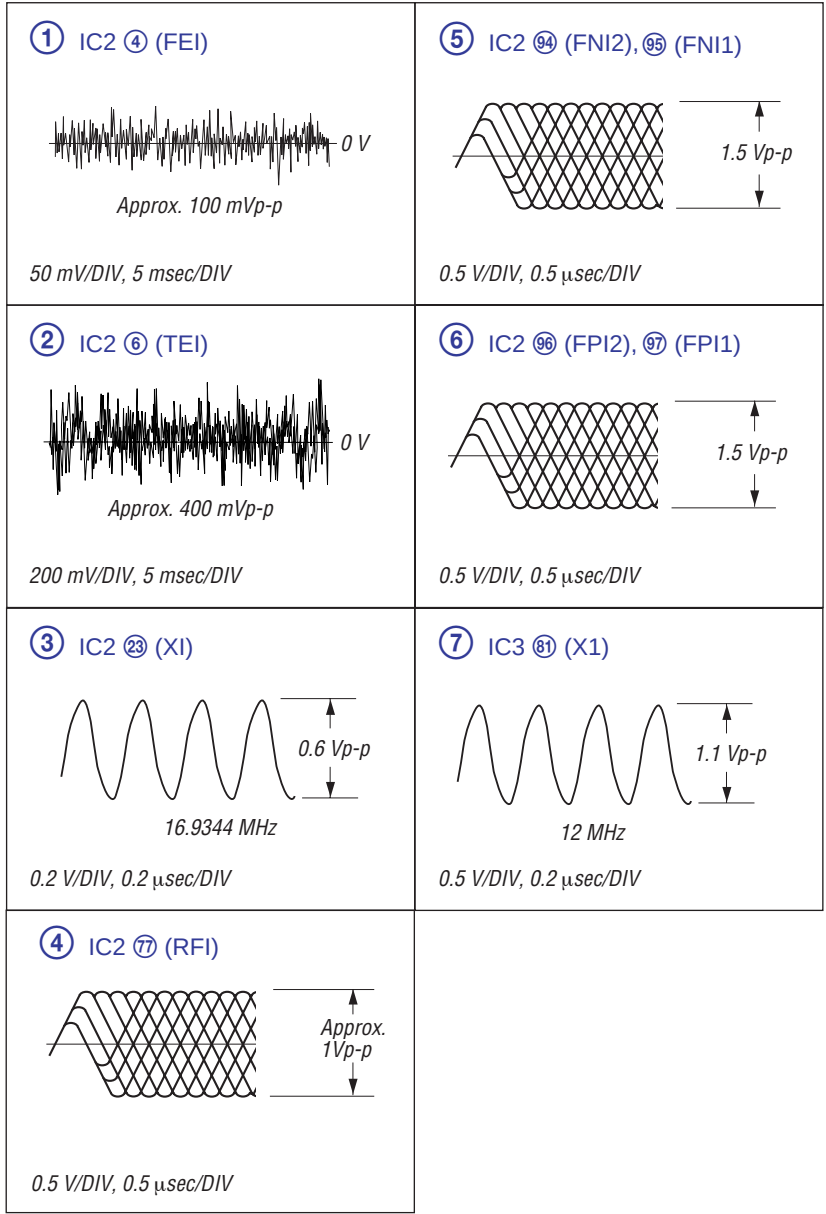
C

B

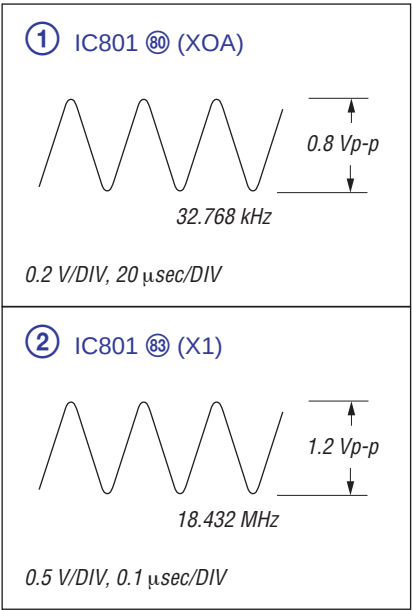
These are omitted

• WAVEFORMS

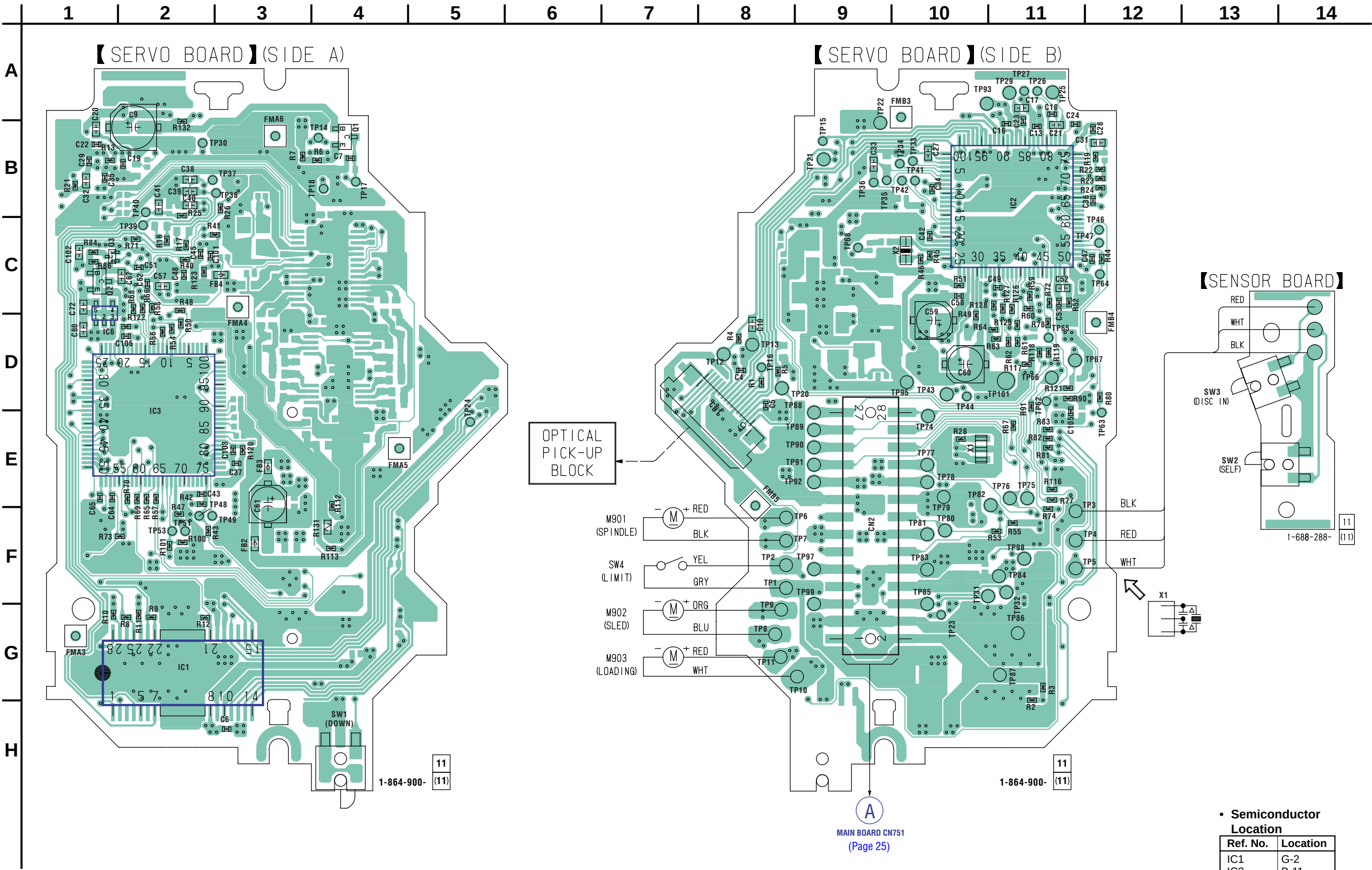
— SERVO BOARD —
(CD PLAY)



— MAIN BOARD —



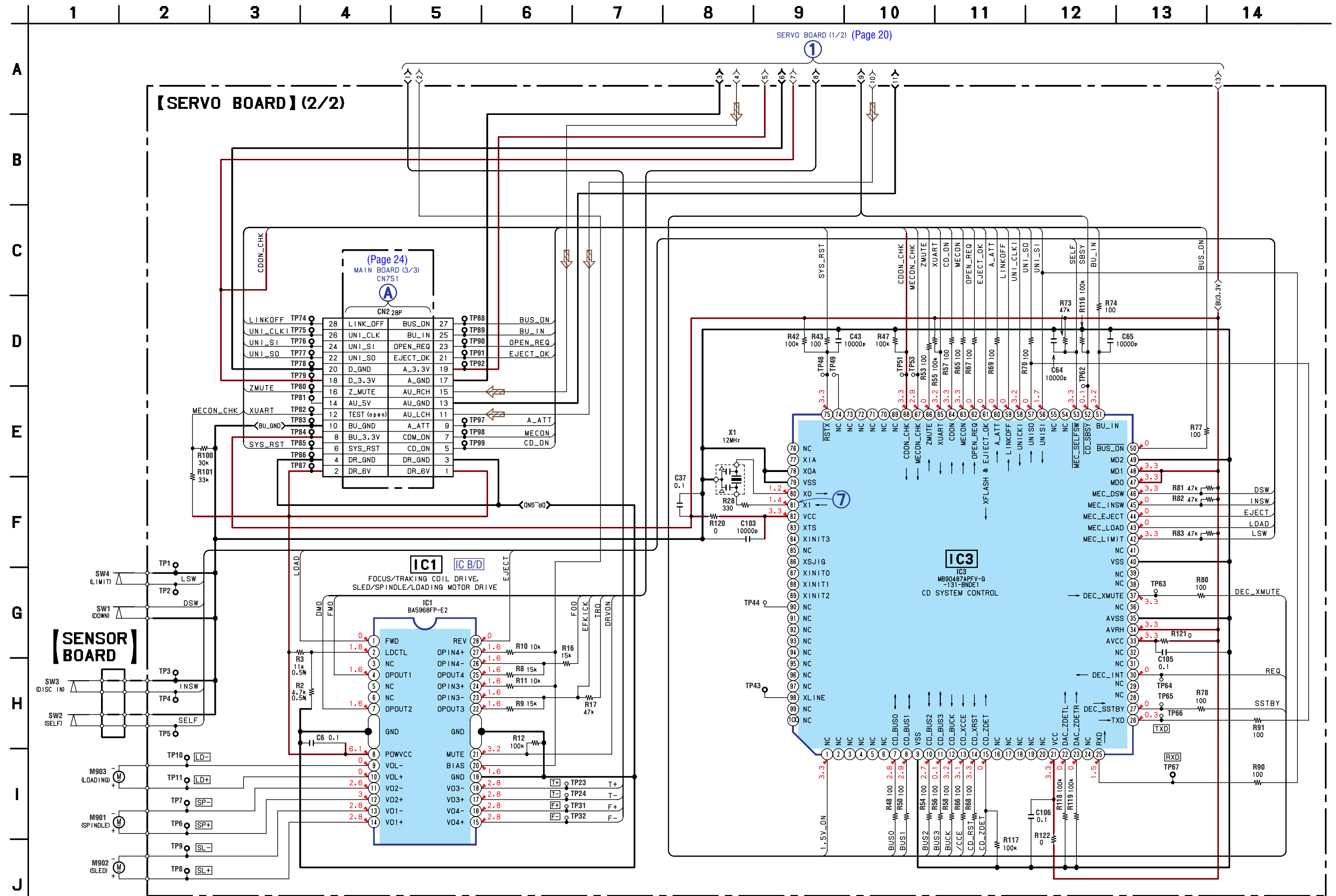
3-5. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 17 for Circuit Boards Location. : Uses unleaded solder.



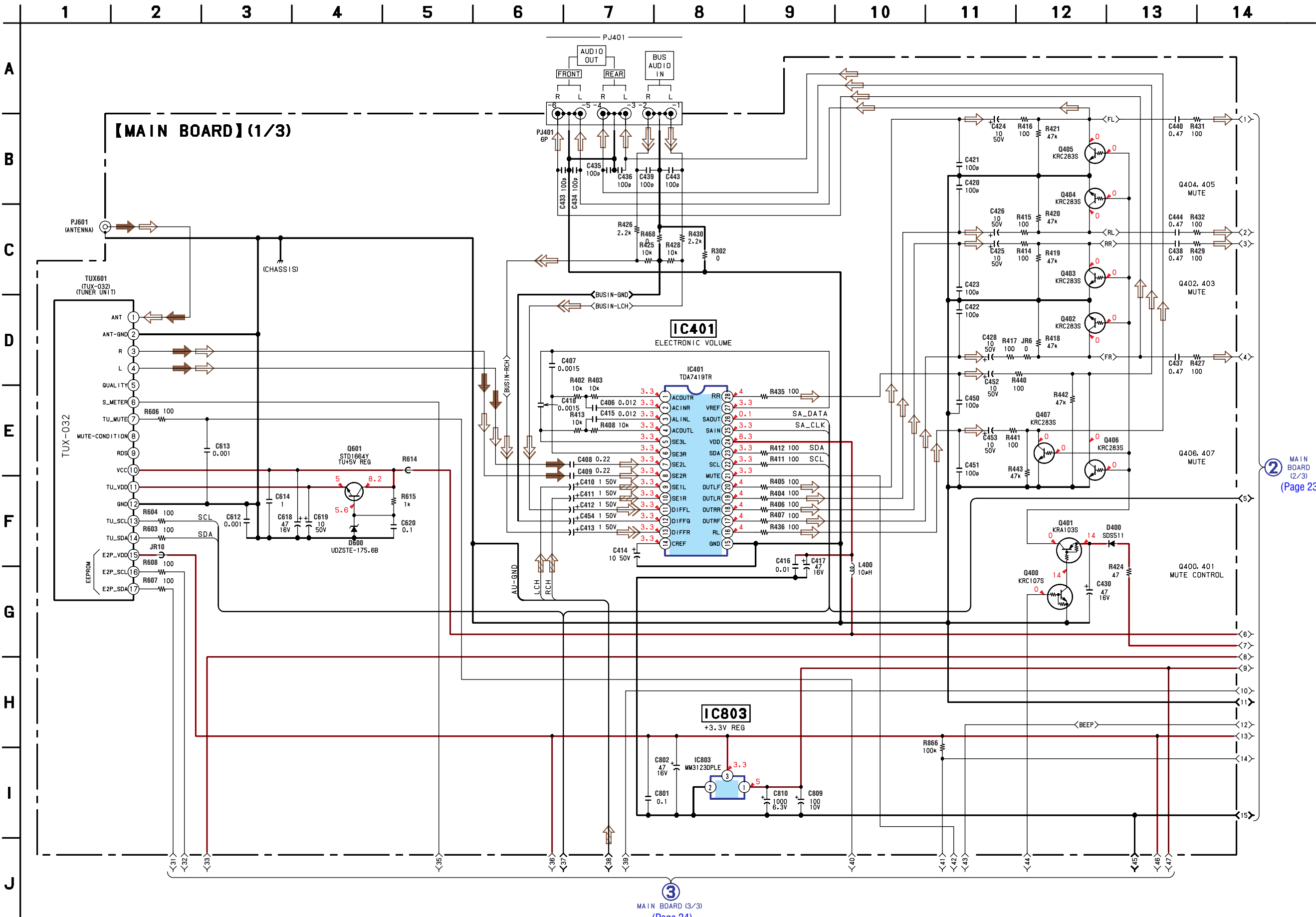
- Refer to page 18 for Waveforms.
- Refer to page 29 for IC Block Diagrams.

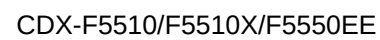


- Refer to page 31 for IC Pin Descriptions.



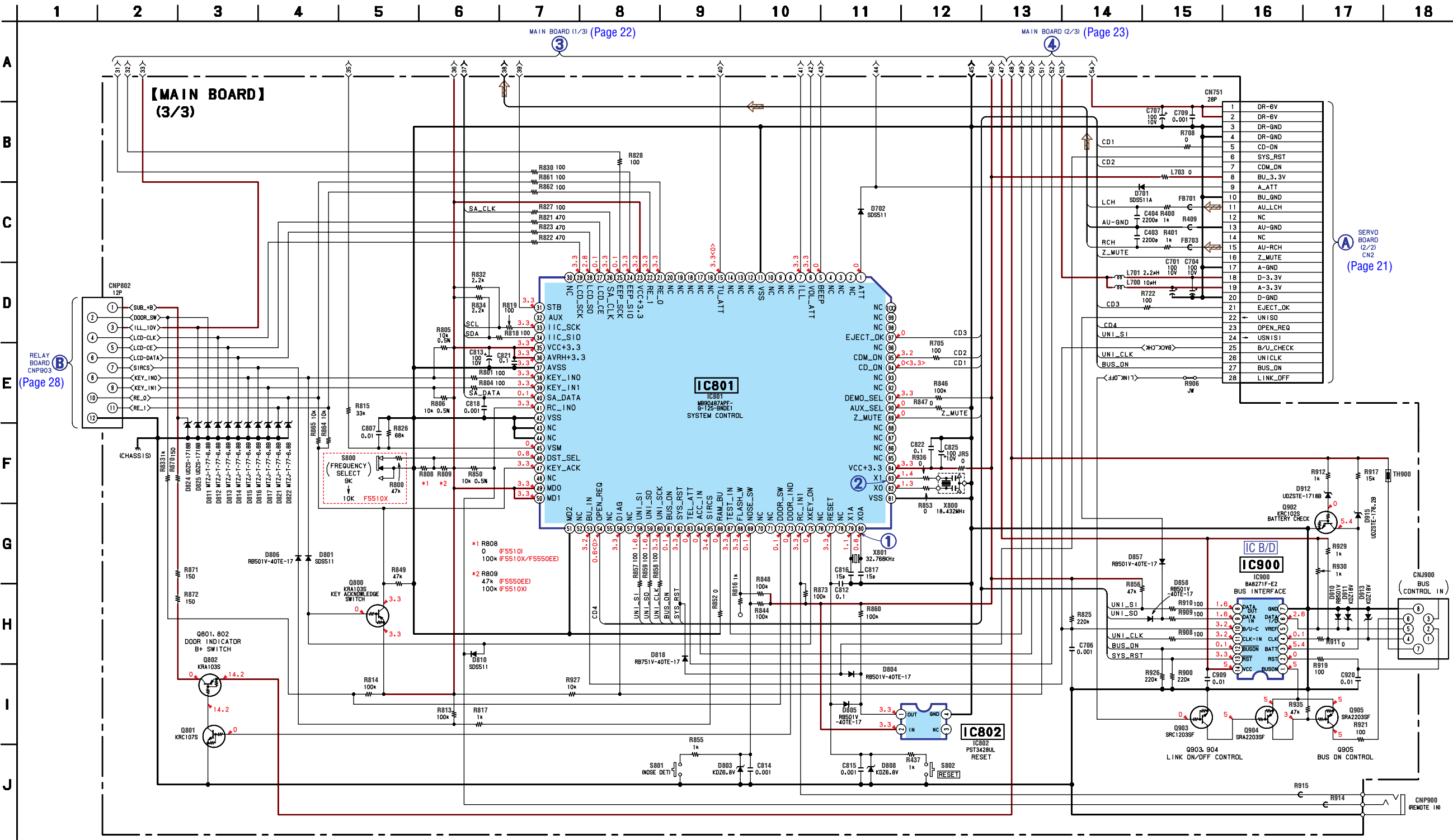
3-8. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) — • Refer to page 33 for IC Pin Descriptions.





- Refer to page 18 for Waveforms.
- Refer to page 30 for IC Block Diagram.
- Refer to page 34 for IC Pin Descriptions.

3-10. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —

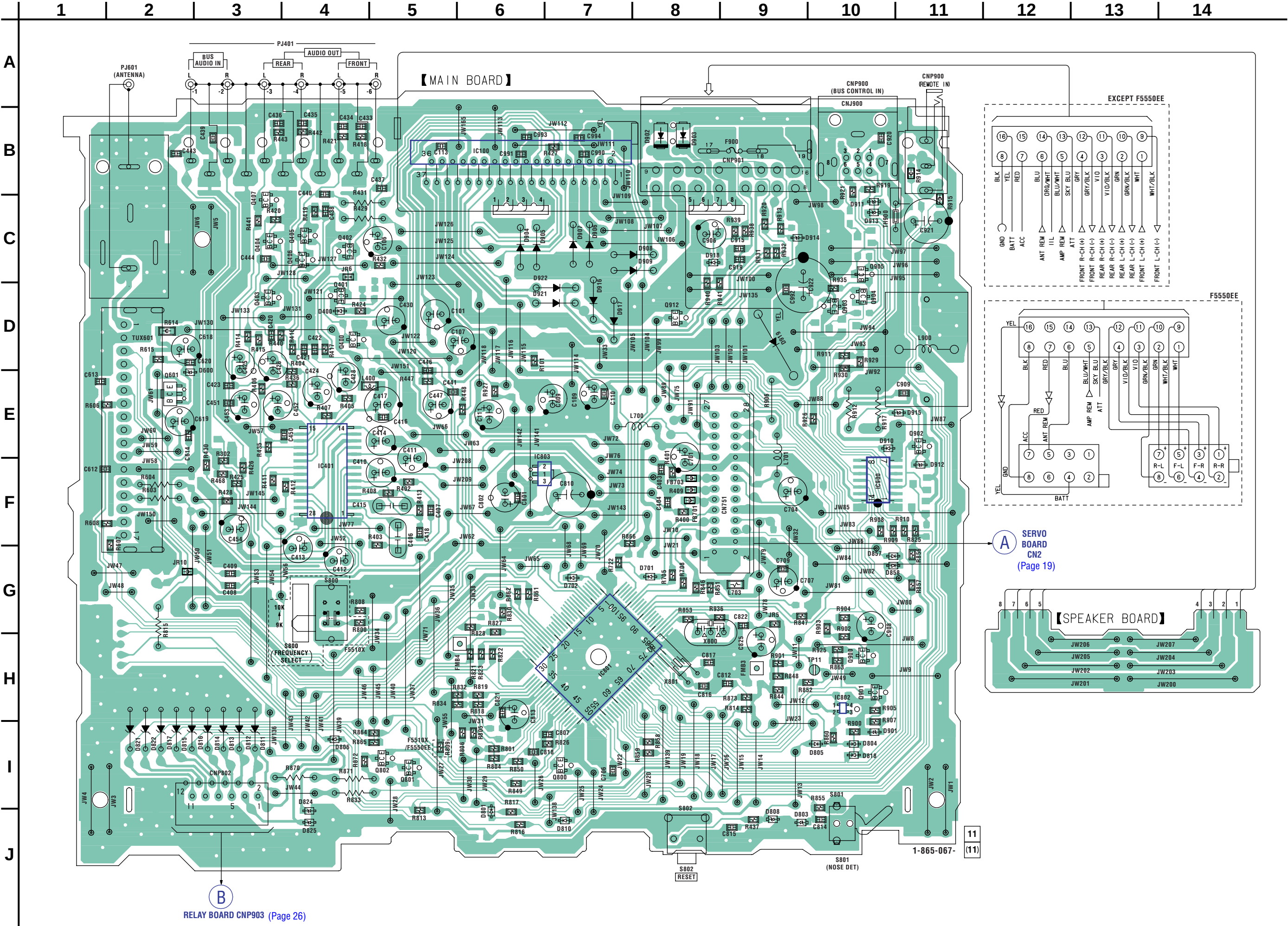


• Semiconductor Location

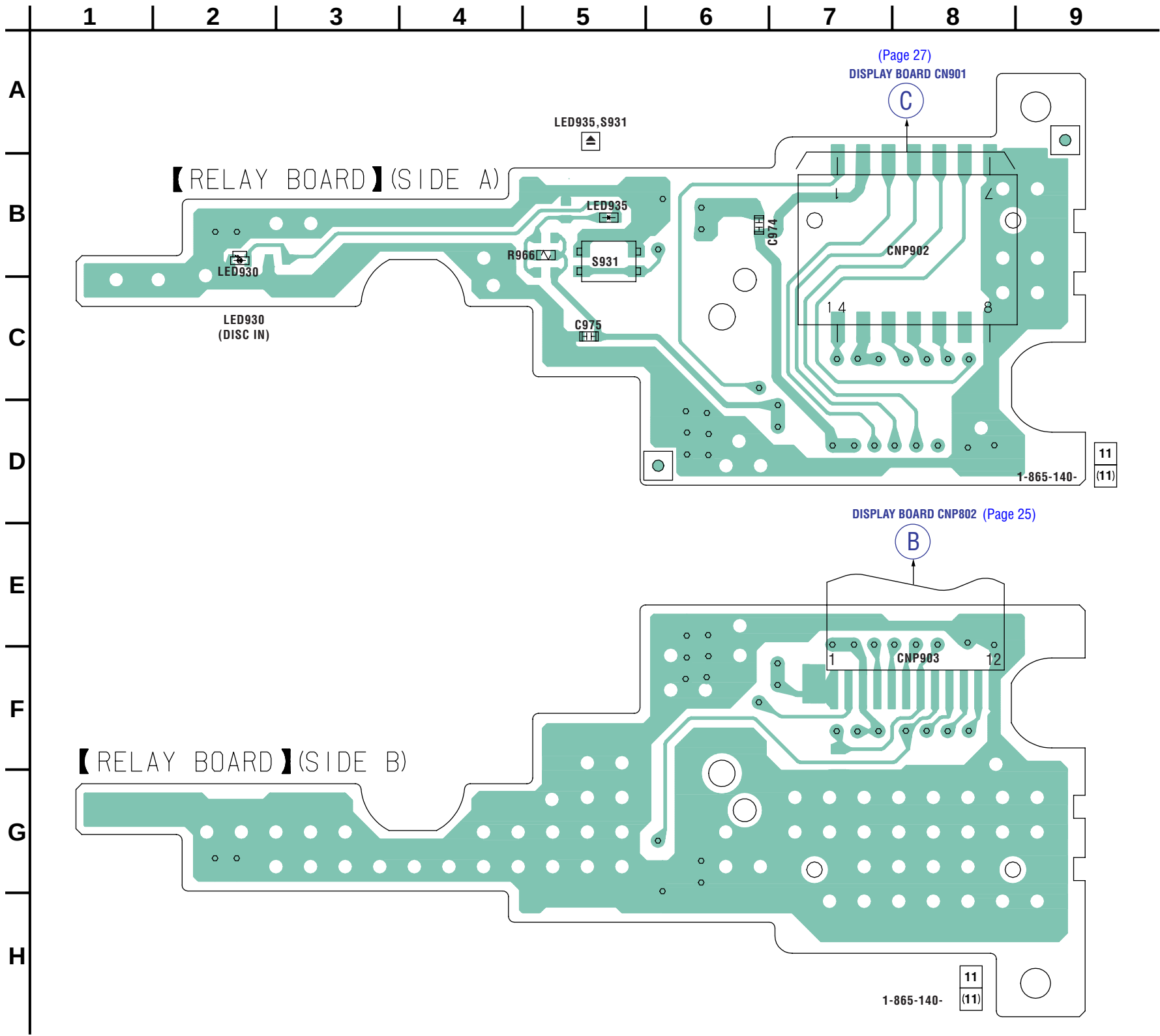
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D400	D-4	D811	I-3	D825	J-4	D909	C-8	D921	D-7	Q401	D-4	Q900	H-10
D600	E-2	D812	I-3	D857	G-10	D910	E-10	D922	D-7	Q402	C-4	Q901	H-10
D701	G-8	D813	I-3	D858	G-10	D911	C-10			Q403	D-3	Q902	E-11
D702	G-7	D814	I-3	D901	I-10	D912	F-11	IC100	B-6	Q404	C-3	Q903	D-10
D801	J-6	D815	I-2	D902	B-8	D913	C-10	IC401	F-4	Q405	C-4	Q904	D-10
D803	J-9	D816	I-2	D903	B-8	D914	C-9	IC801	H-7	Q406	C-4	Q905	C-10
D804	I-10	D817	I-2	D904	C-6	D915	E-11	IC802	H-10	Q407	C-3		
D805	I-10	D818	I-10	D905	C-6	D916	D-7	IC803	F-6	Q601	E-2		
D806	I-4	D821	I-2	D906	C-7	D917	D-7	IC900	F-10	Q800	I-7		
D808	J-9	D822	I-2	D907	C-7	D918	C-8			Q801	I-5		
D810	J-7	D824	I-4	D908	C-8	D919	D-9	Q400	D-4	Q802	I-5		

• Refer to page 17 for Circuit Boards Location.

3-11. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 24 for Semiconductor Location. : Uses unleaded solder.



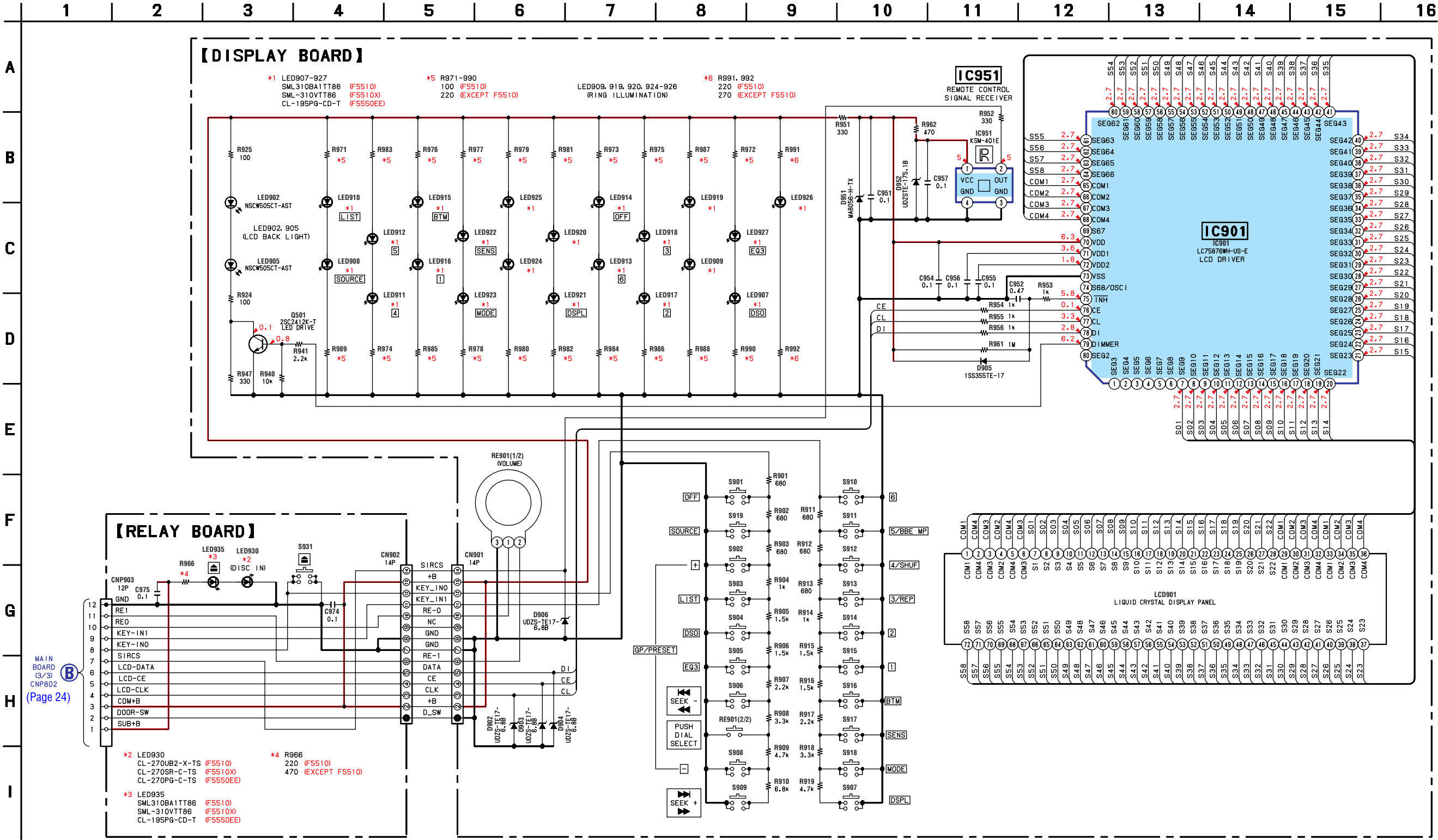
3-12. PRINTED WIRING BOARD — RELAY SECTION — • Refer to page 17 for Circuit Boards Location.  : Uses unleaded solder.





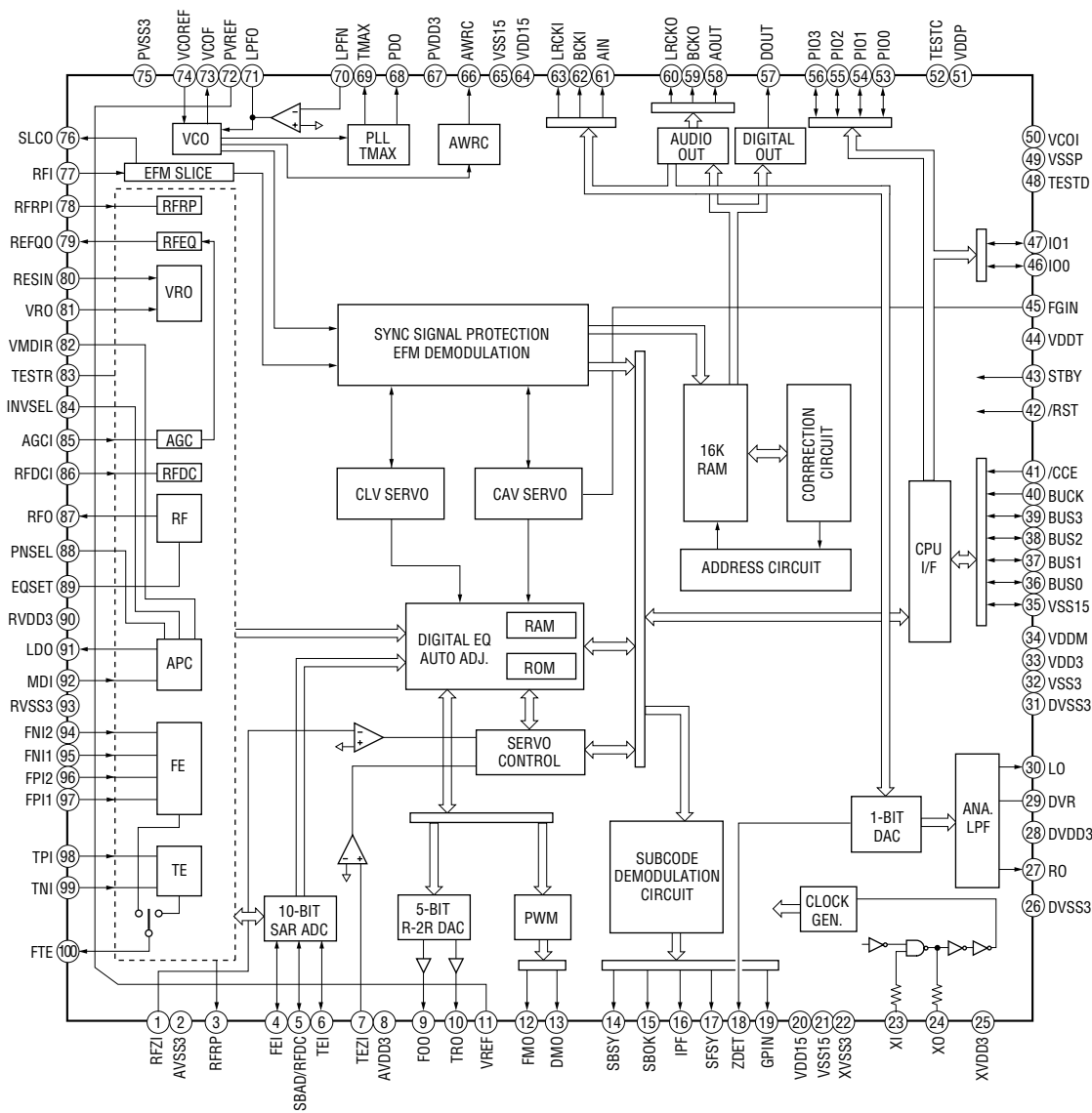
• Semiconductor Location							
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D902	G-11	IC951	B-5	LED912	D-11	LED921	D-5
D903	G-11			LED913	D-12	LED922	D-6
D904	G-11	LED902	C-6	LED914	D-13	LED923	D-3
D905	G-7	LED905	C-13	LED915	D-7	LED924	D-4
D906	G-10	LED907	B-1	LED916	D-8	LED925	B-3
D951	G-7	LED908	B-3	LED917	D-9	LED926	C-3
D952	G-6	LED909	B-4	LED918	D-10	LED927	C-1
		LED910	B-5	LED919	B-4		
IC901	G-9	LED911	D-11	LED920	C-4	Q501	G-6

3-14. SCHEMATIC DIAGRAM — DISPLAY SECTION —

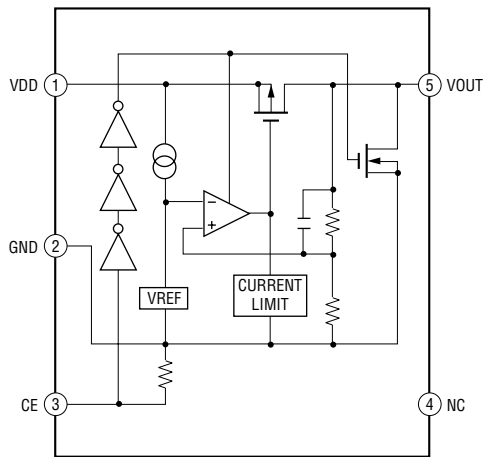


• IC BLOCK DIAGRAMS

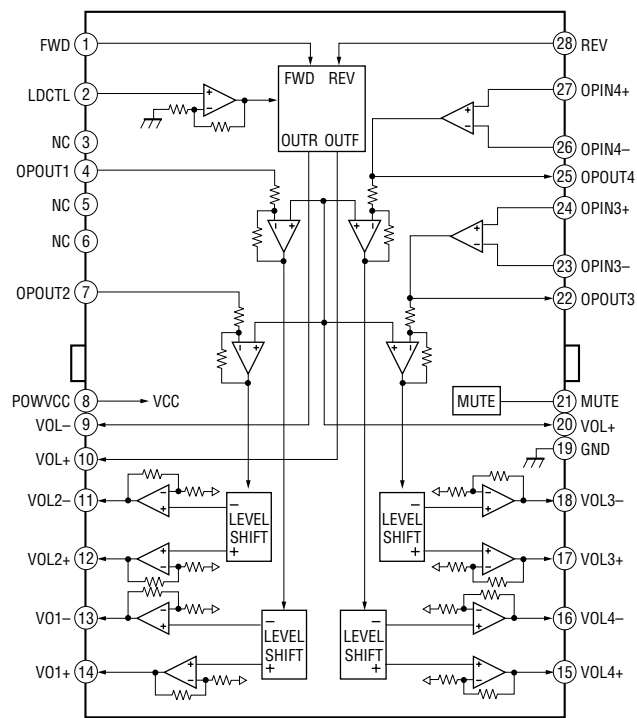
IC2 TC94A60MFG-301 (SERVO Board (1/2))



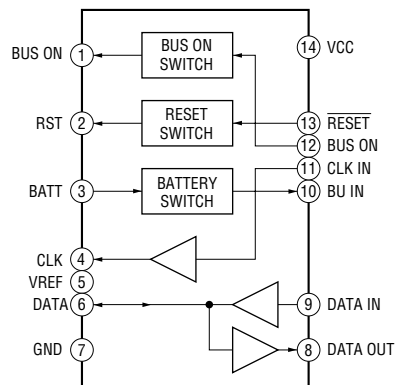
IC6 R1114N151D-TR-FA (SERVO Board (1/2))



IC1 BA5968FP-E2 (SERVO Board (2/2))



IC900 BA8271F-E2 (MAIN Board (3/3))



• IC PIN DESCRIPTIONS

• IC3 MB90487APFV-G-131-BNDE1 (CD SYSTEM CONTROL) (SERVO BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	NC	O	Servo 1.5 V power supply control signal output
2 to 6	NC	—	Not used. (Open)
7	CD BUS0	I/O	Bus data signal input/output 0
8	CD BUS1	I/O	Bus data signal input/output 1
9	VSS	—	Ground pin
10	CD BUS2	I/O	Bus data signal input/output 2
11	CD BUS3	I/O	Bus data signal input/output 3
12	CD BUCK	O	Bus clock signal output
13	CD XCCE	O	Chip enable signal output
14	CD XRST	O	Reset signal output
15	CD ZDET	I	Zero detection signal input
16 to 20	NC	—	Not used. (Open)
21	VCC	—	Power supply pin (+3.3 V)
22	DAC ZDETL	I	Zero data detection signal input (L-ch)
23	DAC ZDETR	I	Zero data detection signal input (R-ch)
24	NC	—	Not used. (Open)
25	RXD	I	UART RXD data signal input (MCBUS/Flash data input)
26	TXD	O	UART TXD data signal output (MCBUS/Flash data output)
27	DEC SSTBY	O	SRAM STANDBY mode control signal output
28, 29	NC	—	Not used. (Open)
30	DEC INT	I	Request signal input
31, 32	NC	—	Not used. (Open)
33	AVCC	—	Power supply pin (+3.3 V) for A/D converter
34	AVRH	—	External reference voltage for A/D converter
35	AVSS	—	Ground pin
36	NC	—	Not used. (Open)
37	DEC XMUTE	O	Mute signal output L: mute
38, 39	NC	—	Not used. (Open)
40	VSS	—	Ground pin
41	NC	—	Not used. (Open)
42	MEC LIMIT	I	Sled limit in detection switch signal input
43	MEC LOAD	O	Loading motor signal output (Load direction)
44	MEC EJECT	O	Loading motor signal output (Eject direction)
45	MEC INSW	I	Pack-in detection signal input
46	MEC DSW	I	Chucking end detection switch signal input
47, 48	MD0, MD1	I	CPU operation mode designation signal input (Connect to Vcc.)
49	MD2	I	CPU operation mode designation signal input (Connect to Vss.)
50	BUS ON	I	Bus on signal input L: bus on
51	BU IN	I	Backup on/off signal input H: backup on, L: backup off
52	CD SBSY	I	SUBQ sync signal input L: interruption
53	MEC SELF SW	I	Disc insert detection switch signal input L: disc in interruption
54, 55	NC	—	Not used. (Open)
56	UNISI	I	Serial data signal input
57	UNISO	O	Serial data signal output
58	UNICKI	I	Serial clock signal input
59	LINEOFF	O	Line off signal output
60	A ATT	O	Audio attenuation signal output H: ATT on
61	EJECT OK	I	Front panel open signal input H: eject
62	OPEN REQ	O	Front panel open/close request signal output H: open request
63	MECON	O	Mechanism deck power supply control signal output
64	CDON	O	Servo power supply control signal output

Pin No.	Pin Name	I/O	Pin Description
65	XUART	I	Sony-Bus/MC-Bus change signal input H: Sony-Bus, L: MC-Bus
66	ZMUTE	O	Zero detection mute signal output
67	MECON CHK	I	MECON rising detection signal input
68	CDON CHK	I	CDON rising detection signal input
69 to 74	NC	—	Not used. (Open)
75	$\overline{\text{RSTX}}$	I	System reset signal input
76	NC	—	Not used. (Open)
77	X1A	—	Sub-clock connect pin Not used in this set. (Open)
78	X0A	—	Sub-clock connect pin Not used in this set. (Connect to Vss.)
79	VSS	—	Ground pin
80	X0	I	Main-clock connect pin (12 MHz)
81	X1	O	Main-clock connect pin (12 MHz)
82	VCC	—	Power supply pin (+3.3 V)
83	XTS	I	Not used in this set. (Open)
84	XINIT3	I	Not used in this set. (Open)
85	NC	—	Not used. (Open)
86	XSJIG	I	Not used in this set. (Open)
87 to 89	XINIT0 to 2	I	Not used in this set. (Open)
90 to 97	NC	—	Not used. (Open)
98	XLINE	I	Not used in this set. (Open)
99, 100	NC	—	Not used. (Open)

• IC401 TDA7419TR (ELECTRONIC VOLUME) (MAIN BOARD (1/3))

Pin No.	Pin Name	I/O	Pin Description
1	ACOUTR	O	AC coupling R-ch signal output
2	ACINR	I	AC coupling R-ch signal input
3	ACINL	I	AC coupling L-ch signal input
4	ACOUTL	O	AC coupling L-ch signal output
5	SE3L	I	Single-ended input 3 L-ch
6	SE3R	I	Single-ended input 3 R-ch
7	SE2L	I	Single-ended input 2 L-ch
8	SE2R	I	Single-ended input 2 R-ch
9	SE1L	I	Single-ended input 1 L-ch
10	SE1R	I	Single-ended input 1 R-ch
11	DIFFL	I	Pseudo differential stereo signal input left
12	DIFFG	I	Pseudo differential stereo signal input common
13	DIFFR	I	Pseudo differential stereo signal input right
14	CREF	O	Reference capacitor connect pin
15	GND	—	Ground pin
16	RL	O	Second rear L-ch signal output
17	OUTRF	O	Front R-ch signal output
18	OUTRR	O	Rear R-ch signal output
19	OUTLR	O	Rear L-ch signal output
20	OUTLF	O	Front L-ch signal output
21	MUTE	I	External mute signal input
22	SCL	I	I2C bus serial clock signal input
23	SDA	I/O	I2C bus serial data signal input/output
24	VDD	—	Power supply pin (+8 V)
25	SAIN	I	Spectrum analyzer clock signal input
26	SAOUT	O	Spectrum analyzer data signal output
27	VREF	O	Voltage reference signal output
28	RR	O	Second rear R-ch signal output

• IC801 MB90487APF-G-125-BNDE1 (SYSTEM CONTROL) (MAIN BOARD (3/3))

Pin No.	Pin Name	I/O	Pin Description
1	ATT	O	Audio mute control signal output
2 to 4	NC	—	Not used in this set. (Open)
5	BEEP	O	Beep signal output to power amp IC
6	VOL ATT	O	Electrical volume ATT control output
7	ILL	I	Illumination check signal input for auto dimmer
8 to 10	NC	—	Not used in this set. (Open)
11	VSS	—	Ground pin
12 to 14	NC	—	Not used in this set. (Open)
15	TU ATT	O	Tuner mute control output
16 to 20	NC	—	Not used in this set. (Open)
21	RE 0	I	Rotary encoder signal input 0
22	RE 1	I	Rotary encoder signal input 1
23	VCC+3.3	—	Power supply pin (+3.3 V)
24	EEP SIO	I/O	Serial data signal input/output for EEPROM communication
25	EEP SCK	O	Serial clock signal output for EEPROM communication
26	SA CLK	O	Serial clock signal output for spectrum analyzer to electronic volume IC
27	LCD CE	O	Chip enable signal output to LCD driver IC Flash: serial in
28	LCD SO	O	Serial data signal output to LCD driver IC Flash: UART serial out
29	LCD SCK	O	Serial clock signal output to LCD driver IC
30	NC	—	Not used in this set. (Open)
31	STB	O	Standby signal output to power amp IC
32	AUX	O	Not used in this set. (Open)
33	IIC SCK	O	IIC bus serial clock signal output
34	IIC SIO	I/O	IIC bus serial data signal input/output
35	VCC+3.3	—	Power supply pin (+3.3 V) (for A/D converter)
36	AVRH+3.3	—	External reference power supply (+3.3 V) (for A/D converter)
37	AVSS	—	Ground pin (for A/D converter)
38, 39	KEY IN0, 1	I	Key signal input
40	SA DATA	I	Serial data signal input to electronic volume IC
41	RC IN0	I	Rotary commander key signal input
42	VSS	—	Ground pin
43, 44	NC	—	Not used in this set. (Fixed at “L”.)
45	VSM	I	S meter voltage detect signal input
46	DST SEL	I	Destination select pin
47	KEY ACK	I	Key acknowledge detect signal input
48	NC	—	Not used in this set. (Open)
49, 50	MD0, 1	I	Input for operation mode designation (Fixed at “H”.)
51	MD2	I	Input for operation mode designation (Fixed at “L”.)
52	NC	—	Not used in this set. (Open)
53	BU IN	I	Back up power supply detect signal input
54	OPEN REQ	I	Open REQ signal input
55	NC	—	Not used in this set. (Open)
56	DIAG	I	Condition input from power amp IC
57	NC	—	Not used in this set. (Open)
58	UNI SI	I	Serial data signal input
59	UNI SO	O	Serial data signal output
60	UNI SCK	O	Serial clock signal output
61	BUS ON	O	Bus on signal output
62	SYS RST	O	System reset signal output
63	TEL ATT	I	TEL ATT detect input
64	ACC IN	I	Accessory power supply detect signal input
65	SIRCS	I	Remote control signal (infrared rays) input

Pin No.	Pin Name	I/O	Pin Description
66	RAM BU	O	Not used in this set. (Fixed at “L”.)
67	TEST IN	I	Test mode detect signal input
68	FLASH W	I	Memory mode changeover signal input Normally “H” input (single chip mode) “L” after reset: Flash write mode
69	NOSE SW	I	Front panel attachment detect signal input “L” input: With panel, “H” input: Without panel
70, 71	NC	—	Not used in this set. (Open)
72	DOOR SW	I	Front panel open/close detect signal input “L” input: Panel close, “H” input: Panel open
73	DOOR IND	O	Sub panel power supply control signal output
74	RC IN1	I	Rotary commander shift key signal input
75	XKEY ON	O	Key power supply control signal output Pin ④⑦ (KEY ACK) active: “L” output
76	NC	—	Not used in this set. (Open)
77	RESET	I	Reset signal input
78	NC	—	Not used in this set. (Open)
79	X1A	—	Oscillator connect pin (32.768 kHz)
80	X0A	—	Oscillator connect pin (32.768 kHz)
81	VSS	—	Ground pin
82	X0	—	Oscillator connect pin (18.432 MHz)
83	X1	—	Oscillator connect pin (18.432 MHz)
84	VCC+3.3	—	Power supply pin (+3.3 V)
85 to 88	NC	—	Not used in this set. (Open)
89	Z MUTE	I	Mechanism deck mute zero cross detect signal input
90	AUX SEL	I	AUX select signal input (Fixed at “L”.)
91	DEMO SEL	O	DEMO select signal output (Fixed at “H”.)
92, 93	NC	—	Not used in this set. (Open)
94	CD ON	I	Servo power supply control request signal input from CD mechanism
95	CDM ON	I	CD mechanism power supply control request signal input from CD mechanism
96	NC	—	Not used in this set. (Open)
97	EJECT OK	O	Front panel open information signal output to CD mechanism
98 to 100	NC	—	Not used in this set. (Open)

SECTION 4

EXPLODED VIEWS

NOTE:

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

- Color Indication of Appearance Parts
Example :

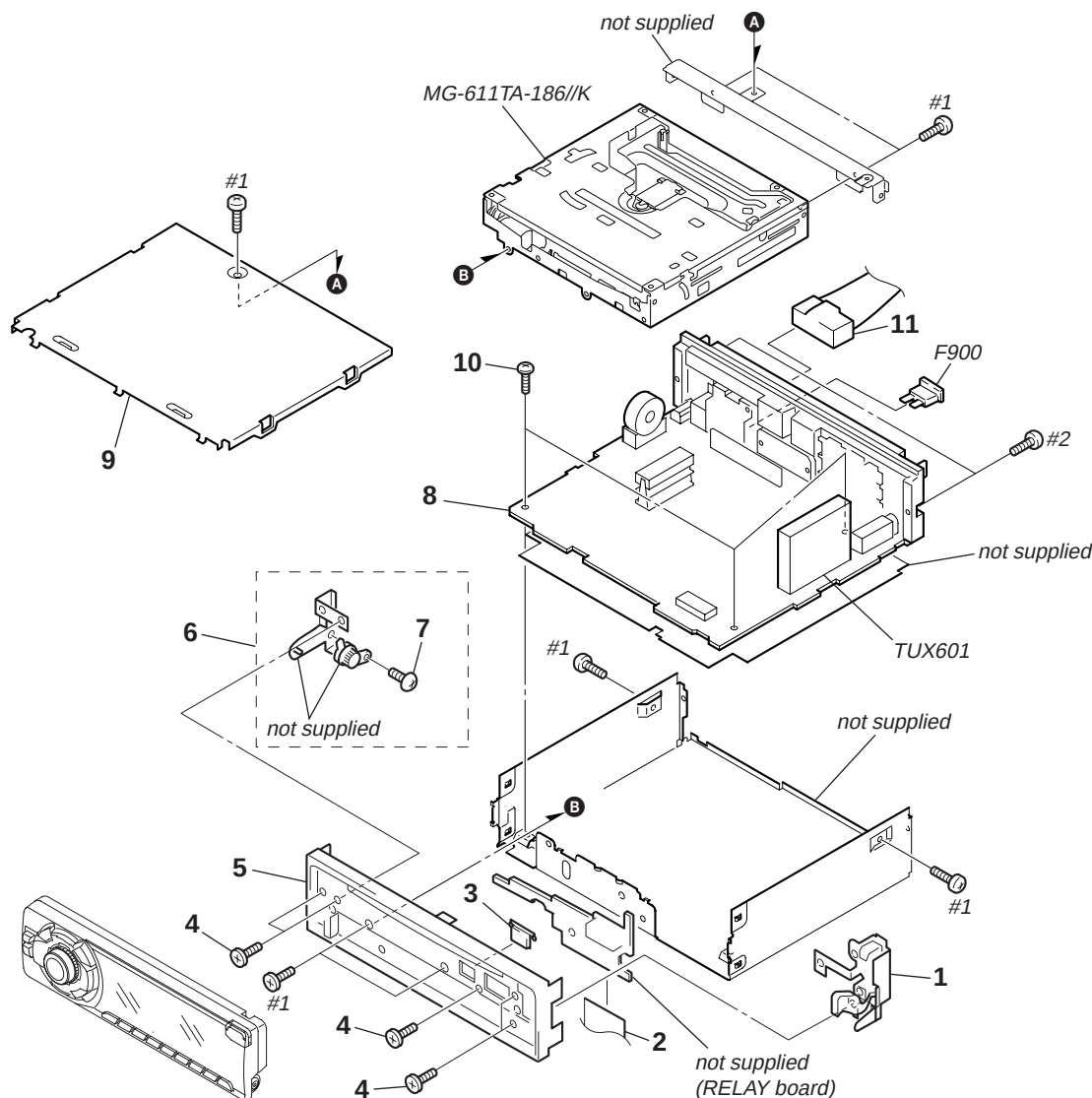
KNOB, BALANCE (WHITE) ... (RED)

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

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

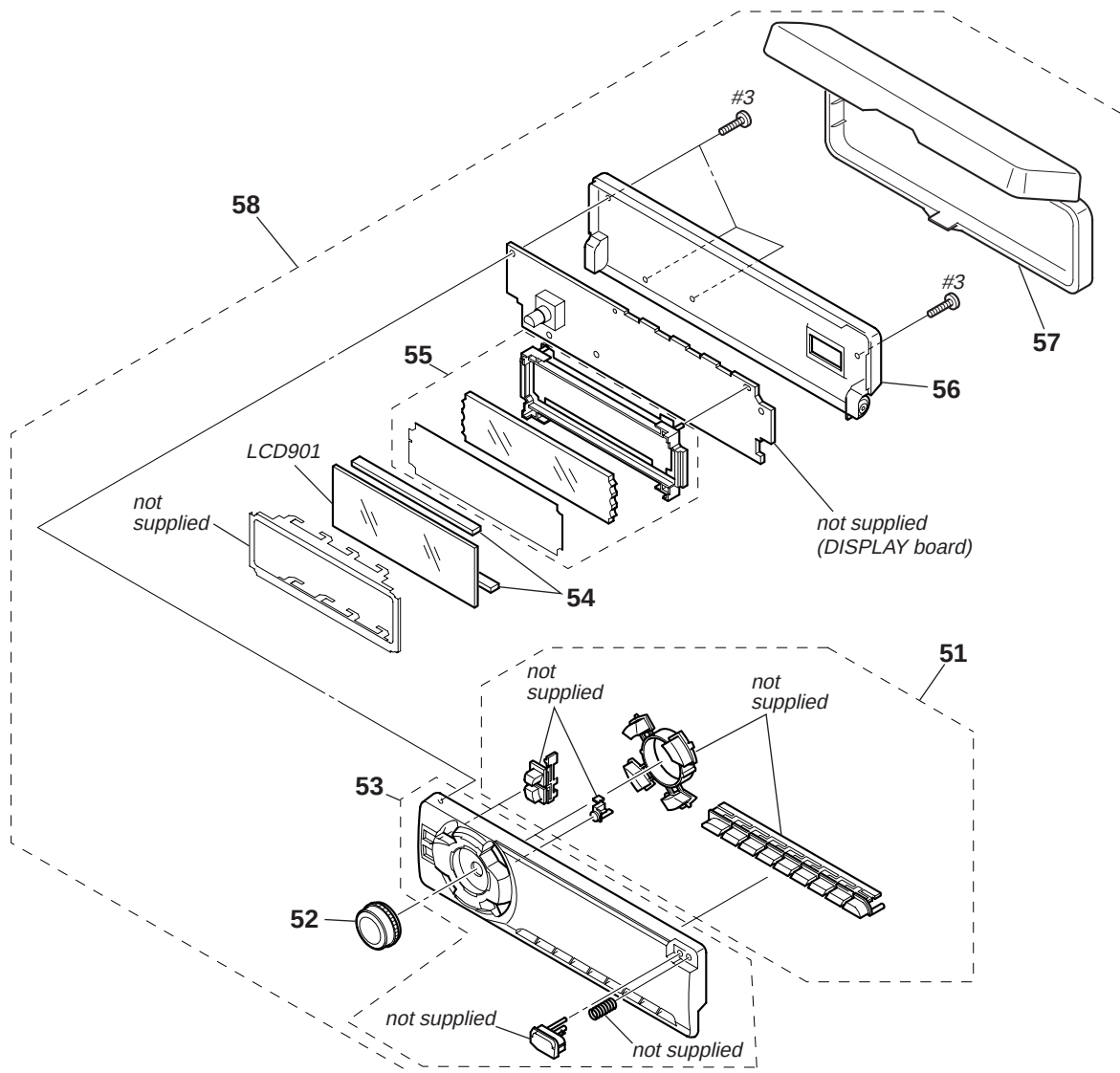
Les composants identifiés par une
marque  sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

4-1. MAIN SECTION



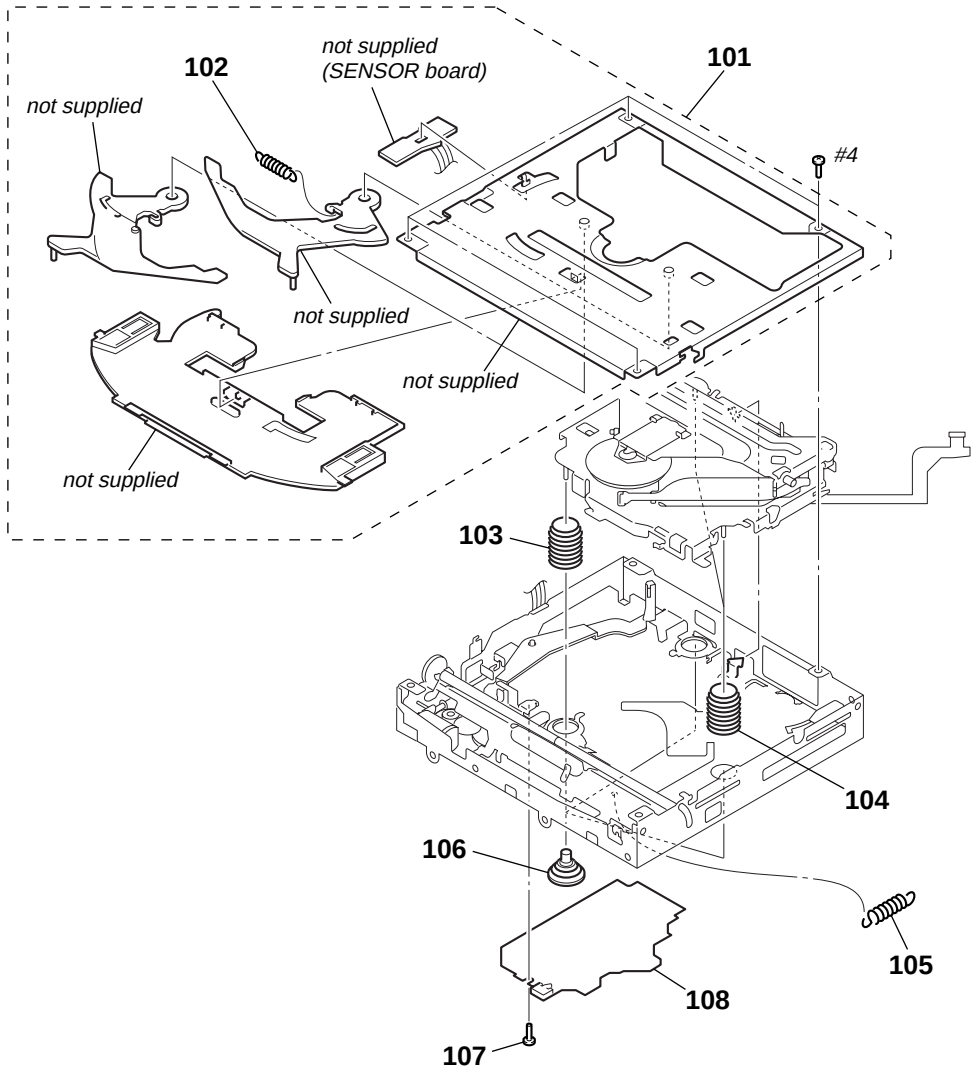
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3384-273-1	LOCK ASSY		* 9	3-246-006-31	COVER	
2	1-792-173-11	CABLE, FLAT (FFC) 12P		10	3-922-535-11	SCREW (+BTT)	
3	3-246-030-01	BUTTON (EJECT)		11	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	
4	3-261-903-01	SCREW (+BTT M2X5)				(EXCEPT F5550EE)	
5	X-3384-270-1	PANEL ASSY (CD), SUB		11	1-776-527-72	CORD (WITH CONNECTOR) (ISO) (POWER)	
						(F5550EE)	
6	X-3384-271-2	GEAR ASSY		F900	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
7	3-713-786-51	SCREW +P 2X3					
8	A-1087-889-A	MAIN BOARD, COMPLETE (F5510)		TUX601	A-3220-961-A	TUNER UNIT (TUX-032)	
8	A-1087-902-A	MAIN BOARD, COMPLETE (F5550EE)		#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
8	A-1087-912-A	MAIN BOARD, COMPLETE (F5510X)		#2	7-685-793-09	SCREW +PTT 2.6X8 (S)	

4-2. FRONT PANEL SECTION



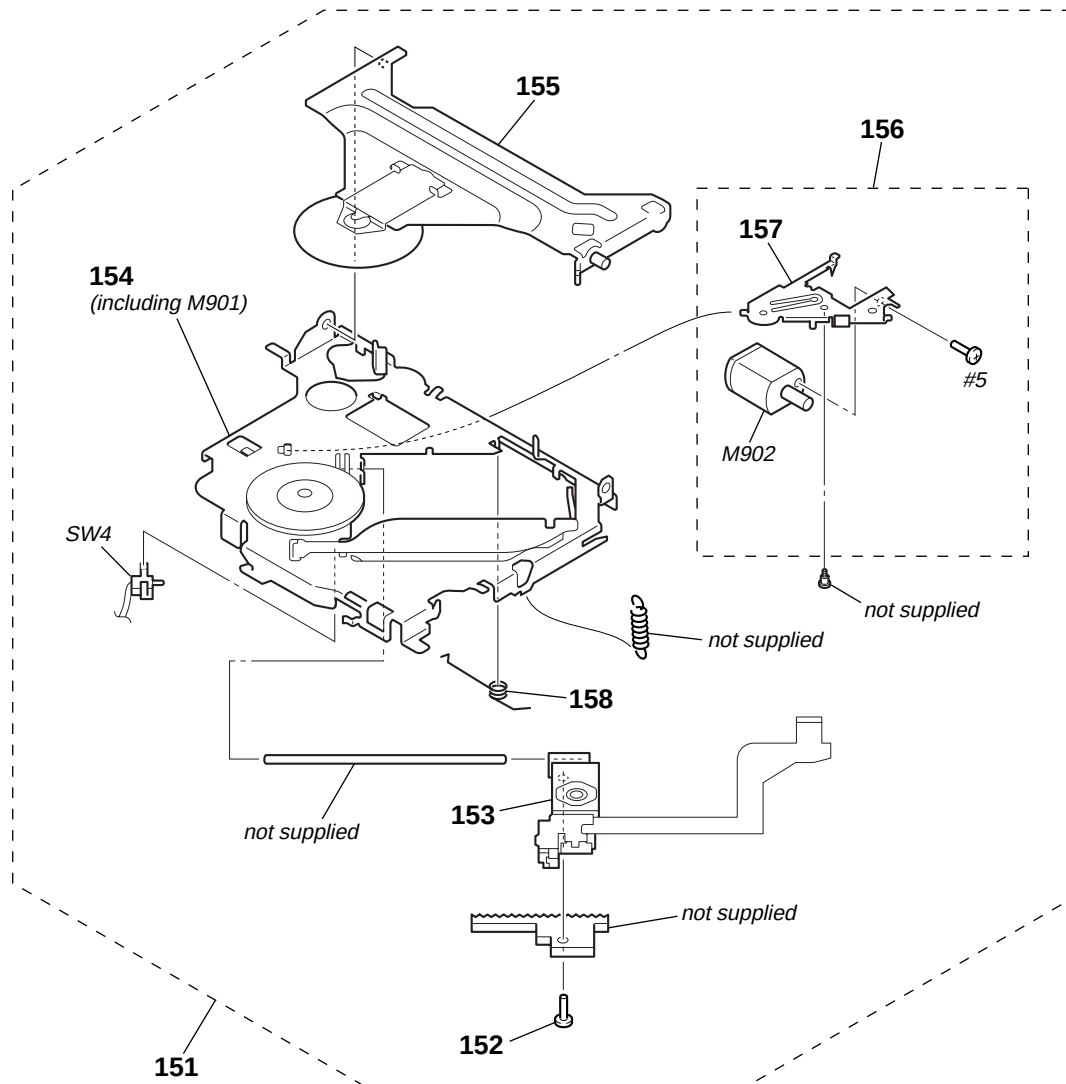
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2024-954-1	KIT (SVX) ASSY, BUTTON (F5510)		56	X-3384-284-1	PANEL ASSY (SVX), FRONT BACK	
51	X-2024-955-1	KIT (SVX) ASSY, BUTTON (F5510X/F5550EE)		57	X-3378-390-3	CASE (PANEL) ASSY (for FRONT PANEL)	
52	X-2024-958-1	VOL (SVX) ASSY, KNOB (F5510X/F5550EE)		58	A-1087-952-A	OVERALL ASSY (F5510)	
52	X-3384-637-1	VOL (SVX) ASSY, KNOB (F5510)		58	A-1087-957-A	OVERALL ASSY (F5550EE)	
53	X-2024-949-1	PANEL ASSY (SVX), FRONT (F5510)		58	A-1087-960-A	OVERALL ASSY (F5510X)	
53	X-2024-950-1	PANEL ASSY (SVX), FRONT (F5550EE)		LCD901	1-805-739-11	DISPLAY PANEL, LIQUID CRYSTAL (F5550EE)	
53	X-2024-951-1	PANEL ASSY (SVX), FRONT (F5510X)		LCD901	1-805-740-11	DISPLAY PANEL, LIQUID CRYSTAL	
54	1-780-097-11	CONDUCTIVE BOARD, CONNECTION				(EXCEPT F5550EE)	
55	X-3384-501-2	PLATE SUB ASSY (N), LIGHT GUIDE		#3	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	

4-3. CD MECHANISM SECTION (1)
(MG-611TA-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	3-253-746-14	SPRING (DAMPER), COMPRESSION		108	A-1075-784-A	SERVO BOARD, COMPLETE	
104	3-253-746-03	SPRING (DAMPER), COMPRESSION		#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
105	2-345-767-01	SPRING (KF60), TENSION					

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

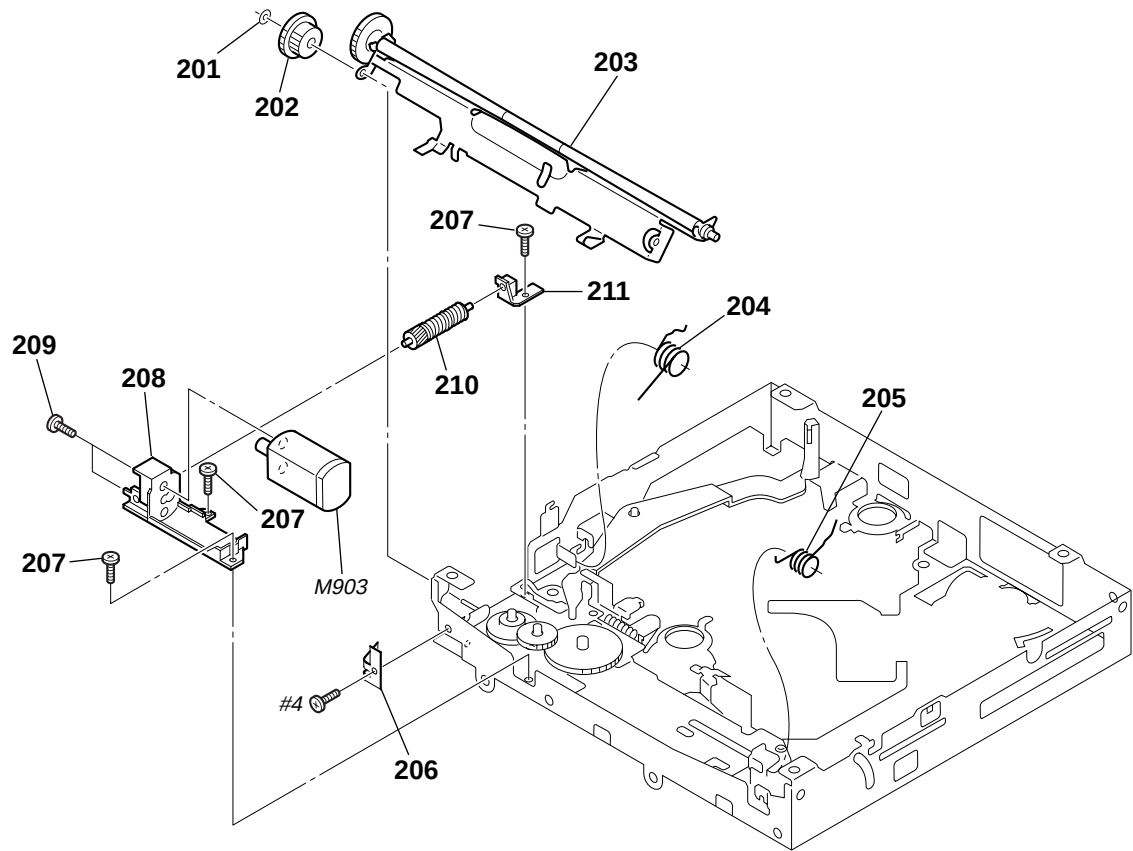


The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

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

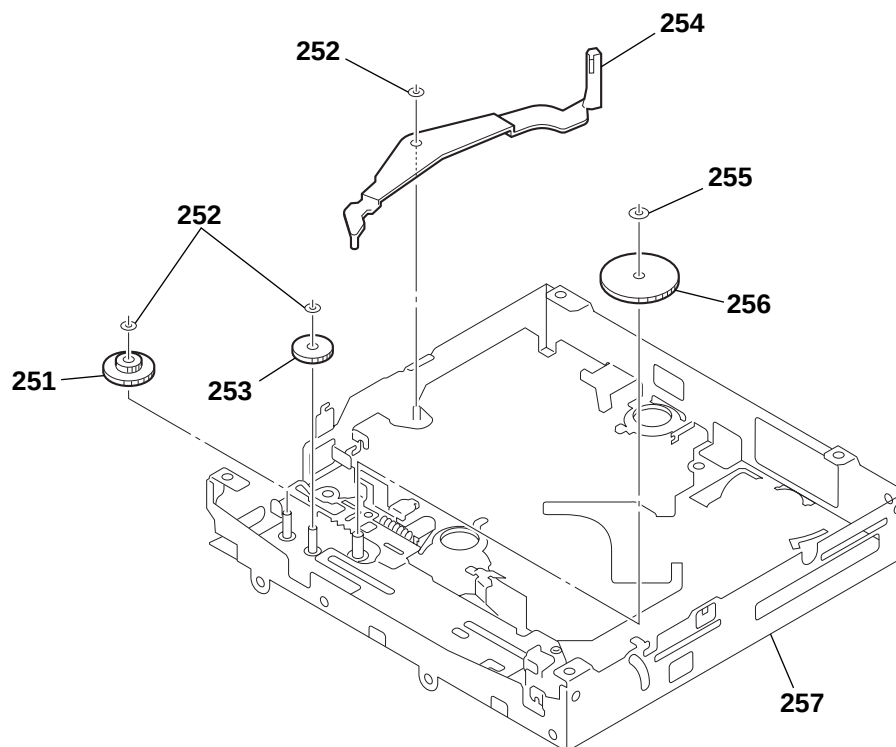
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1075-786-A	CHASSIS (OP) COMPLETE ASSY		157	X-3383-454-3	LEVER (SL) ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING		158	3-261-959-02	SPRING (SL), TORSION	
$\triangle$ 153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)		M902	A-3337-638-A	MOTOR ASSY, SL (SLED)	
154	A-1075-787-A	CHASSIS (OP) SUB ASSY (including M901)		SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
155	A-3337-641-A	ARM SUB ASSY, CHUCKING		#5	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	
156	A-3337-639-A	LEVER (SL) SUB ASSY					

4-5. CD MECHANISM SECTION (3)
(MG-611TA-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	2-186-696-11	BRACKET (LEM-N)	
202	2-186-699-11	GEAR (RA1)		209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
203	A-1075-789-A	ARM ASSY, ROLLER		210	A-1083-637-A	GEAR (LE) ASSY	
204	3-259-455-02	SPRING (RAL)		211	2-186-697-11	BEARING (LEB-N)	
205	3-253-713-01	SPRING (RAR)		M903	A-1075-792-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-611TA-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	2-186-700-11	GEAR (CHK1)		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-1075-791-A	CHASSIS (M) BLOCK ASSY	
254	3-253-755-02	LEVER (D)					

DISPLAY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

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

The components identified by mark $\triangle$ 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.

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

Ref. No.	Part No.	Description	Remark
		DISPLAY BOARD *****	
	X-3384-501-2	PLATE SUB ASSY (N), LIGHT GUIDE	
	1-780-097-11	CONDUCTIVE BOARD, CONNECTION	
		< CAPACITOR >	
C951	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C952	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	
C954	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C955	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C956	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C957	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
		< CONNECTOR >	
CN901	1-817-158-11	PLUG, CONNECTOR 14P	
		< DIODE >	
D902	8-719-978-33	DIODE DTZ-TT11-6.8B	
D903	8-719-978-33	DIODE DTZ-TT11-6.8B	
D904	8-719-978-33	DIODE DTZ-TT11-6.8B	
D905	8-719-988-61	DIODE 1SS355TE-17	
D906	8-719-978-33	DIODE DTZ-TT11-6.8B	
D951	8-719-422-56	DIODE MA8056-H-TX	
D952	8-719-069-54	DIODE UDZSTE-175.1B	
		< IC >	
IC901	6-707-064-01	IC LC75876WH-US-E	
IC951	6-600-384-01	IC KSM-401E (IR)	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-805-739-11	DISPLAY PANEL, LIQUID CRYSTAL (F5550EE)	
LCD901	1-805-740-11	DISPLAY PANEL, LIQUID CRYSTAL (EXCEPT F5550EE)	
		< DIODE >	
LED902	6-501-062-01	LED NSCW505CT-AST (LCD BACK LIGHT)	
LED905	6-501-062-01	LED NSCW505CT-AST (LCD BACK LIGHT)	
LED907	6-500-476-01	LED SML310BA1TT86 (DSO) (F5510)	
LED907	6-500-510-01	LED CL-195PG-CD-T (DSO) (F5550EE)	
LED907	8-719-053-09	LED SML-310VTT86 (DSO) (F5510X)	
LED908	6-500-476-01	LED SML310BA1TT86 (SOURCE) (F5510)	
LED908	6-500-510-01	LED CL-195PG-CD-T (SOURCE) (F5550EE)	
LED908	8-719-053-09	LED SML-310VTT86 (SOURCE) (F5510X)	

Ref. No.	Part No.	Description	Remark
LED909	6-500-476-01	LED SML310BA1TT86 (RING ILLUMINATION) (F5510)	
LED909	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (F5550EE)	
LED909	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (F5510X)	
LED910	6-500-476-01	LED SML310BA1TT86 (LIST) (F5510)	
LED910	6-500-510-01	LED CL-195PG-CD-T (LIST) (F5550EE)	
LED910	8-719-053-09	LED SML-310VTT86 (LIST) (F5510X)	
LED911	6-500-476-01	LED SML310BA1TT86 (4) (F5510)	
LED911	6-500-510-01	LED CL-195PG-CD-T (4) (F5550EE)	
LED911	8-719-053-09	LED SML-310VTT86 (4) (F5510X)	
LED912	6-500-476-01	LED SML310BA1TT86 (5) (F5510)	
LED912	6-500-510-01	LED CL-195PG-CD-T (5) (F5550EE)	
LED912	8-719-053-09	LED SML-310VTT86 (5) (F5510X)	
LED913	6-500-476-01	LED SML310BA1TT86 (6) (F5510)	
LED913	6-500-510-01	LED CL-195PG-CD-T (6) (F5550EE)	
LED913	8-719-053-09	LED SML-310VTT86 (6) (F5510X)	
LED914	6-500-476-01	LED SML310BA1TT86 (OFF) (F5510)	
LED914	6-500-510-01	LED CL-195PG-CD-T (OFF) (F5550EE)	
LED914	8-719-053-09	LED SML-310VTT86 (OFF) (F5510X)	
LED915	6-500-476-01	LED SML310BA1TT86 (BTM) (F5510)	
LED915	6-500-510-01	LED CL-195PG-CD-T (BTM) (F5550EE)	
LED915	8-719-053-09	LED SML-310VTT86 (BTM) (F5510X)	
LED916	6-500-476-01	LED SML310BA1TT86 (1) (F5510)	
LED916	6-500-510-01	LED CL-195PG-CD-T (1) (F5550EE)	
LED916	8-719-053-09	LED SML-310VTT86 (1) (F5510X)	
LED917	6-500-476-01	LED SML310BA1TT86 (2) (F5510)	
LED917	6-500-510-01	LED CL-195PG-CD-T (2) (F5550EE)	
LED917	8-719-053-09	LED SML-310VTT86 (2) (F5510X)	
LED918	6-500-476-01	LED SML310BA1TT86 (3) (F5510)	
LED918	6-500-510-01	LED CL-195PG-CD-T (3) (F5550EE)	
LED918	8-719-053-09	LED SML-310VTT86 (3) (F5510X)	
LED919	6-500-476-01	LED SML310BA1TT86 (RING ILLUMINATION) (F5510)	
LED919	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (F5550EE)	
LED919	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (F5510X)	
LED920	6-500-476-01	LED SML310BA1TT86 (RING ILLUMINATION) (F5510)	
LED920	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (F5550EE)	
LED920	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (F5510X)	
LED921	6-500-476-01	LED SML310BA1TT86 (DSPL) (F5510)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
LED921	6-500-510-01	LED CL-195PG-CD-T (DSPL) (F5550EE)		R952	1-216-815-11	METAL CHIP 330	5% 1/10W
LED921	8-719-053-09	LED SML-310VTT86 (DSPL) (F5510X)		R953	1-216-821-11	METAL CHIP 1K	5% 1/10W
LED922	6-500-476-01	LED SML310BA1TT86 (SENS) (F5510)		R954	1-216-821-11	METAL CHIP 1K	5% 1/10W
LED922	6-500-510-01	LED CL-195PG-CD-T (SENS) (F5550EE)		R955	1-216-821-11	METAL CHIP 1K	5% 1/10W
LED922	8-719-053-09	LED SML-310VTT86 (SENS) (F5510X)		R956	1-216-821-11	METAL CHIP 1K	5% 1/10W
LED923	6-500-476-01	LED SML310BA1TT86 (MODE) (F5510)		R961	1-216-857-11	METAL CHIP 1M	5% 1/10W
LED923	6-500-510-01	LED CL-195PG-CD-T (MODE) (F5550EE)		R962	1-216-817-11	METAL CHIP 470	5% 1/10W
LED923	8-719-053-09	LED SML-310VTT86 (MODE) (F5510X)		R971	1-216-809-11	METAL CHIP 100	5% 1/10W
LED924	6-500-476-01	LED SML310BA1TT86 (RING ILLUMINATION) (F5510)		R971	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
LED924	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (F5550EE)		R972	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
LED924	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (F5510X)		R972	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
LED925	6-500-476-01	LED SML310BA1TT86 (RING ILLUMINATION) (F5510)		R973	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
LED925	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (F5550EE)		R973	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
LED925	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (F5510X)		R974	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
LED926	6-500-476-01	LED SML310BA1TT86 (RING ILLUMINATION) (F5510)		R974	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
LED926	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (F5550EE)		R975	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
LED926	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (F5510X)		R975	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
LED927	6-500-476-01	LED SML310BA1TT86 (EQ3) (F5510)		R976	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
LED927	6-500-510-01	LED CL-195PG-CD-T (EQ3) (F5550EE)		R976	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
LED927	8-719-053-09	LED SML-310VTT86 (EQ3) (F5510X)		R977	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
< TRANSISTOR >				R977	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
Q501	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R		R978	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
< RESISTOR >				R978	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R901	1-216-819-11	METAL CHIP 680	5% 1/10W	R979	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
R902	1-216-819-11	METAL CHIP 680	5% 1/10W	R979	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R903	1-216-819-11	METAL CHIP 680	5% 1/10W	R980	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
R904	1-216-821-11	METAL CHIP 1K	5% 1/10W	R980	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R905	1-216-823-11	METAL CHIP 1.5K	5% 1/10W	R981	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
R906	1-216-823-11	METAL CHIP 1.5K	5% 1/10W	R981	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R907	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R982	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
R908	1-216-827-11	METAL CHIP 3.3K	5% 1/10W	R982	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R909	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R983	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
R910	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W	R983	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R911	1-216-819-11	METAL CHIP 680	5% 1/10W	R984	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
R912	1-216-819-11	METAL CHIP 680	5% 1/10W	R984	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R913	1-216-819-11	METAL CHIP 680	5% 1/10W	R984	1-216-809-11	METAL CHIP 100	5% 1/10W (F5510)
R914	1-216-821-11	METAL CHIP 1K	5% 1/10W	R984	1-216-813-11	METAL CHIP 220	5% 1/10W (EXCEPT F5510)
R915	1-216-823-11	METAL CHIP 1.5K	5% 1/10W				
R916	1-216-823-11	METAL CHIP 1.5K	5% 1/10W				
R917	1-216-825-11	METAL CHIP 2.2K	5% 1/10W				
R918	1-216-827-11	METAL CHIP 3.3K	5% 1/10W				
R919	1-216-829-11	METAL CHIP 4.7K	5% 1/10W				
R924	1-216-809-11	METAL CHIP 100	5% 1/10W				
R925	1-216-809-11	METAL CHIP 100	5% 1/10W				
R940	1-216-833-11	METAL CHIP 10K	5% 1/10W				
R941	1-216-825-11	METAL CHIP 2.2K	5% 1/10W				
R947	1-216-815-11	METAL CHIP 330	5% 1/10W				
R951	1-216-815-11	METAL CHIP 330	5% 1/10W				

CDX-F5510/F5510X/F5550EE

DISPLAY

MAIN

Ref. No.	Part No.	Description	Remark
R985	1-216-809-11	METAL CHIP	100 5% 1/10W (F5510)
R985	1-216-813-11	METAL CHIP	220 5% 1/10W (EXCEPT F5510)
R986	1-216-809-11	METAL CHIP	100 5% 1/10W (F5510)
R986	1-216-813-11	METAL CHIP	220 5% 1/10W (EXCEPT F5510)
R987	1-216-809-11	METAL CHIP	100 5% 1/10W (F5510)
R987	1-216-813-11	METAL CHIP	220 5% 1/10W (EXCEPT F5510)
R988	1-216-809-11	METAL CHIP	100 5% 1/10W (F5510)
R988	1-216-813-11	METAL CHIP	220 5% 1/10W (EXCEPT F5510)
R989	1-216-809-11	METAL CHIP	100 5% 1/10W (F5510)
R989	1-216-813-11	METAL CHIP	220 5% 1/10W (EXCEPT F5510)
R990	1-216-809-11	METAL CHIP	100 5% 1/10W (F5510)
R990	1-216-813-11	METAL CHIP	220 5% 1/10W (EXCEPT F5510)
R991	1-216-813-11	METAL CHIP	220 5% 1/10W (F5510)
R991	1-216-814-11	METAL CHIP	270 5% 1/10W (EXCEPT F5510)
R992	1-216-813-11	METAL CHIP	220 5% 1/10W (F5510)
R992	1-216-814-11	METAL CHIP	270 5% 1/10W (EXCEPT F5510)
< ROTARY ENCODER >			
RE901	1-478-474-11	ENCODER, ROTARY	(PUSH DIAL SELECT/VOLUME)
< SWITCH >			
S901	1-786-763-11	SWITCH, TACTILE (OFF)	
S902	1-786-763-11	SWITCH, TACTILE (GP/PRESET +)	
S903	1-786-763-11	SWITCH, TACTILE (LIST)	
S904	1-786-763-11	SWITCH, TACTILE (DSO)	
S905	1-786-763-11	SWITCH, TACTILE (EQ3)	
S906	1-786-763-11	SWITCH, TACTILE (◀◀ SEEK - ◀◀)	
S907	1-786-763-11	SWITCH, TACTILE (DSPL)	
S908	1-786-763-11	SWITCH, TACTILE (GP/PRESET -)	
S909	1-786-763-11	SWITCH, TACTILE (▶▶ SEEK + ▶▶)	
S910	1-786-763-11	SWITCH, TACTILE (6)	
S911	1-786-763-11	SWITCH, TACTILE (5/BBE MP)	
S912	1-786-763-11	SWITCH, TACTILE (4/SHUF)	
S913	1-786-763-11	SWITCH, TACTILE (3/REP)	
S914	1-786-763-11	SWITCH, TACTILE (2)	
S915	1-786-763-11	SWITCH, TACTILE (1)	
S916	1-786-763-11	SWITCH, TACTILE (BTM)	
S917	1-786-763-11	SWITCH, TACTILE (SENS)	
S918	1-786-763-11	SWITCH, TACTILE (MODE)	
S919	1-786-763-11	SWITCH, TACTILE (SOURCE)	

Ref. No.	Part No.	Description	Remark
	A-1087-889-A	MAIN BOARD, COMPLETE	(including SPEAKER BOARD) (F5510)
	A-1087-902-A	MAIN BOARD, COMPLETE	(including SPEAKER BOARD) (F5550EE)
	A-1087-912-A	MAIN BOARD, COMPLETE	(including SPEAKER BOARD) (F5510X)

	7-621-284-40	SCREW +P 2.6X10	
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
	7-685-793-09	SCREW +PTT 2.6X8 (S)	
	7-685-795-09	SCREW +PTT 2.6X12 (S)	
< CAPACITOR >			
C101	1-126-964-11	ELECT	10uF 20% 50V
C106	1-126-965-11	ELECT	22uF 20% 50V
C107	1-126-964-11	ELECT	10uF 20% 50V
C109	1-104-665-11	ELECT	100uF 20% 25V
C111	1-126-964-11	ELECT	10uF 20% 50V
C113	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V
C403	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C404	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V
C406	1-136-153-00	FILM	0.012uF 5% 50V
C407	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C408	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V
C409	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V
C410	1-126-960-11	ELECT	1uF 20% 50V
C411	1-126-960-11	ELECT	1uF 20% 50V
C412	1-126-960-11	ELECT	1uF 20% 50V
C413	1-126-960-11	ELECT	1uF 20% 50V
C414	1-126-964-11	ELECT	10uF 20% 50V
C415	1-136-153-00	FILM	0.012uF 5% 50V
C416	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C417	1-126-947-11	ELECT	47uF 20% 35V
C418	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V
C420	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C421	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C422	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C423	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C424	1-126-964-11	ELECT	10uF 20% 50V
C425	1-126-964-11	ELECT	10uF 20% 50V
C426	1-126-964-11	ELECT	10uF 20% 50V
C428	1-126-964-11	ELECT	10uF 20% 50V
C430	1-126-947-11	ELECT	47uF 20% 35V
C433	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C434	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C435	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C436	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C437	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V
C438	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V
C439	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C440	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V
C441	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V
C443	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C444	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V
C446	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
C447	1-126-961-11	ELECT	2.2uF 20% 50V
C450	1-162-927-11	CERAMIC CHIP	100PF 5% 50V
C451	1-162-927-11	CERAMIC CHIP	100PF 5% 50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C452	1-126-964-11	ELECT	10uF 20% 50V	D801	8-719-080-34	DIODE SDS511	
C453	1-126-964-11	ELECT	10uF 20% 50V	D803	8-719-977-12	DIODE DTZ6.8B	
C454	1-126-960-11	ELECT	1uF 20% 50V	D804	8-719-058-24	DIODE RB501V-40TE-17	
C612	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D805	8-719-058-24	DIODE RB501V-40TE-17	
C613	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D806	8-719-058-24	DIODE RB501V-40TE-17	
C614	1-115-156-11	CERAMIC CHIP	1uF 10V	D808	8-719-977-12	DIODE DTZ6.8B	
C618	1-126-947-11	ELECT	47uF 20% 35V	D810	8-719-080-34	DIODE SDS511	
C619	1-126-964-11	ELECT	10uF 20% 50V	D811	8-719-109-97	DIODE RD6.8ESB2	
C620	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D812	8-719-109-97	DIODE RD6.8ESB2	
C701	1-104-665-11	ELECT	100uF 20% 25V	D813	8-719-109-97	DIODE RD6.8ESB2	
C704	1-104-665-11	ELECT	100uF 20% 25V	D814	8-719-109-97	DIODE RD6.8ESB2	
C706	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D815	8-719-109-97	DIODE RD6.8ESB2	
C707	1-104-665-11	ELECT	100uF 20% 25V	D816	8-719-109-97	DIODE RD6.8ESB2	
C709	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D817	8-719-109-97	DIODE RD6.8ESB2	
C801	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D818	8-719-060-48	DIODE RB751V-40TE-17	
C802	1-126-947-11	ELECT	47uF 20% 35V	D821	8-719-109-97	DIODE RD6.8ESB2	
C807	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D822	8-719-109-97	DIODE RD6.8ESB2	
C809	1-104-665-11	ELECT	100uF 20% 25V	D824	8-719-083-66	DIODE UDZSTE-1718B	
C810	1-126-916-11	ELECT	1000uF 20% 6.3V	D825	8-719-083-66	DIODE UDZSTE-1718B	
C812	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D857	8-719-058-24	DIODE RB501V-40TE-17	
C813	1-104-665-11	ELECT	100uF 20% 25V	D858	8-719-058-24	DIODE RB501V-40TE-17	
C814	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D901	8-719-083-66	DIODE UDZSTE-1718B	
C815	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D902	8-719-053-18	DIODE 1SR154-400TE-25	
C816	1-162-917-11	CERAMIC CHIP	15PF 5% 50V	D903	8-719-053-18	DIODE 1SR154-400TE-25	
C817	1-162-917-11	CERAMIC CHIP	15PF 5% 50V	D904	6-500-522-01	DIODE 10EDB40-TA1B2	
C818	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	D905	6-500-522-01	DIODE 10EDB40-TA1B2	
C821	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D906	6-500-522-01	DIODE 10EDB40-TA1B2	
C822	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D907	6-500-522-01	DIODE 10EDB40-TA1B2	
C825	1-104-665-11	ELECT	100uF 20% 25V	D908	6-500-522-01	DIODE 10EDB40-TA1B2	
C906	1-126-963-11	ELECT	4.7uF 20% 50V	D909	6-500-522-01	DIODE 10EDB40-TA1B2	
C908	1-126-960-11	ELECT	1uF 20% 50V	D910	8-719-058-24	DIODE RB501V-40TE-17	
C909	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D911	8-719-017-95	DIODE MA8180-TX	
C915	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D912	8-719-083-66	DIODE UDZSTE-1718B	
C919	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D913	8-719-017-95	DIODE MA8180-TX	
C920	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D914	8-719-977-12	DIODE DTZ6.8B	
C921	1-126-940-11	ELECT	330uF 20% 25V	D915	8-719-069-56	DIODE UDZSTE-176.2B	
C922	1-131-868-81	ELECT	3300uF 20% 16V	D916	6-500-522-01	DIODE 10EDB40-TA1B2	
C990	1-115-340-11	CERAMIC CHIP	0.22uF 10% 25V	D917	6-500-522-01	DIODE 10EDB40-TA1B2	
C991	1-115-340-11	CERAMIC CHIP	0.22uF 10% 25V	D918	8-719-080-34	DIODE SDS511	
C992	1-115-340-11	CERAMIC CHIP	0.22uF 10% 25V	D919	8-719-049-38	DIODE 1N5404TU	
C993	1-115-340-11	CERAMIC CHIP	0.22uF 10% 25V	D921	6-500-522-01	DIODE 10EDB40-TA1B2	
C994	1-115-340-11	CERAMIC CHIP	0.22uF 10% 25V	D922	6-500-522-01	DIODE 10EDB40-TA1B2	
< CONNECTOR >				< FERRITE BEAD >			
CN751	1-817-536-11	CONNECTOR, BOARD TO BOARD 28P		FB701	1-414-555-21	FERRITE, EMI (SMD) (1608)	
CNJ900	1-580-907-41	PLUG, CONNECTOR (BUS CONTROL IN)		FB703	1-414-555-21	FERRITE, EMI (SMD) (1608)	
CNP802	1-569-907-11	SOCKET, CONNECTOR 12P		< IC >			
CNP901	1-774-701-21	PIN, CONNECTOR 16P		IC100	6-705-359-02	IC TDA8588AJ/N2/R1	
< JACK >				IC401	6-707-303-01	IC TDA7419TR	
CNP900	1-764-270-21	JACK (REMOTE IN)		IC801	6-805-004-01	IC MB90487APF-G-125-BNDE1	
< DIODE >				IC802	8-759-659-13	IC PST3428UL	
D400	8-719-080-34	DIODE SDS511		IC803	6-705-373-01	IC MM3123DPLE	
D600	8-719-069-55	DIODE UDZSTE-175.6B		IC900	6-703-884-01	IC BA8271F-E2	
D701	8-719-080-34	DIODE SDS511		< JUMPER RESISTOR >			
D702	8-719-080-34	DIODE SDS511		JR5	1-216-864-11	SHORT CHIP 0	

CDX-F5510/F5510X/F5550EE

MAIN

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
JR6	1-216-864-11	SHORT CHIP	0				R420	1-216-841-11	METAL CHIP	47K	5%	1/10W	
JR10	1-414-227-11	INDUCTOR, FERRITE BEAD					R421	1-216-841-11	METAL CHIP	47K	5%	1/10W	
		< COIL >					R424	1-216-805-11	METAL CHIP	47	5%	1/10W	
L400	1-414-398-11	INDUCTOR	10uH				R425	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L700	1-410-509-11	INDUCTOR	10uH				R426	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
L701	1-410-501-11	INDUCTOR	2.2uH (F5510X/F5550EE)				R427	1-216-809-11	METAL CHIP	100	5%	1/10W	
L703	1-216-295-11	SHORT CHIP	0				R428	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L900	1-456-617-11	COIL, CHOKE					R429	1-247-807-31	CARBON	100	5%	1/4W	
		< JACK >					R430	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
PJ401	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT REAR/FRONT)					R431	1-247-807-31	CARBON	100	5%	1/4W	
PJ601	1-793-598-11	JACK (ANTENNA)					R432	1-216-809-11	METAL CHIP	100	5%	1/10W	
		< TRANSISTOR >					R435	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q400	8-729-038-71	TRANSISTOR	KRC107S				R436	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q401	8-729-038-55	TRANSISTOR	KRA103S				R437	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q402	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P				R440	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q403	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P				R441	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q404	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P				R442	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q405	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P				R443	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q406	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P				R447	1-216-811-11	METAL CHIP	150	5%	1/10W	
Q407	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P				R448	1-216-841-11	METAL CHIP	47K	5%	1/10W	
Q601	8-729-920-85	TRANSISTOR	2SD1664-QR				R468	1-216-864-11	SHORT CHIP	0			
Q800	8-729-038-55	TRANSISTOR	KRA103S				R603	1-247-807-31	CARBON	100	5%	1/4W	
Q801	8-729-038-71	TRANSISTOR	KRC107S				R604	1-247-807-31	CARBON	100	5%	1/4W	
Q802	8-729-038-55	TRANSISTOR	KRA103S				R606	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q900	8-729-034-51	TRANSISTOR	KTC3875				R607	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q901	8-729-034-51	TRANSISTOR	KTC3875				R608	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q902	8-729-038-67	TRANSISTOR	KRC102S				R614	1-469-144-21	FERRITE, EMI (SMD) (2012)				
Q903	8-729-055-96	TRANSISTOR	SRC1203SF				R615	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q904	8-729-055-92	TRANSISTOR	SRA2203SF				R705	1-216-809-11	METAL CHIP	100	5%	1/10W	
Q905	8-729-055-92	TRANSISTOR	SRA2203SF				R708	1-216-864-11	SHORT CHIP	0			
Q912	8-729-120-28	TRANSISTOR	2SC1623-L5L6				R722	1-216-809-11	METAL CHIP	100	5%	1/10W	
		< RESISTOR >					R800	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R101	1-216-841-11	METAL CHIP	47K	5%	1/10W								
R302	1-216-864-11	SHORT CHIP	0				R801	1-216-809-11	METAL CHIP	100	5%	1/10W	
R400	1-216-821-11	METAL CHIP	1K	5%	1/10W		R804	1-216-809-11	METAL CHIP	100	5%	1/10W	
R401	1-216-821-11	METAL CHIP	1K	5%	1/10W		R805	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W		R806	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R403	1-216-833-11	METAL CHIP	10K	5%	1/10W		R808	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R404	1-216-809-11	METAL CHIP	100	5%	1/10W								
R405	1-216-809-11	METAL CHIP	100	5%	1/10W		R808	1-216-864-11	SHORT CHIP	0 (F5510)			
R406	1-216-809-11	METAL CHIP	100	5%	1/10W		R809	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R407	1-216-809-11	METAL CHIP	100	5%	1/10W								
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W		R809	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R409	1-414-555-21	FERRITE, EMI (SMD) (1608)											
R411	1-216-809-11	METAL CHIP	100	5%	1/10W		R813	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R412	1-216-809-11	METAL CHIP	100	5%	1/10W		R814	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R413	1-216-833-11	METAL CHIP	10K	5%	1/10W		R815	1-249-435-11	CARBON	33K	5%	1/4W	
R414	1-216-809-11	METAL CHIP	100	5%	1/10W		R816	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R415	1-216-809-11	METAL CHIP	100	5%	1/10W		R817	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R416	1-216-809-11	METAL CHIP	100	5%	1/10W		R818	1-216-809-11	METAL CHIP	100	5%	1/10W	
R417	1-216-809-11	METAL CHIP	100	5%	1/10W		R819	1-216-809-11	METAL CHIP	100	5%	1/10W	
R418	1-216-841-11	METAL CHIP	47K	5%	1/10W		R821	1-216-817-11	METAL CHIP	470	5%	1/10W	
R419	1-216-841-11	METAL CHIP	47K	5%	1/10W		R822	1-216-817-11	METAL CHIP	470	5%	1/10W	
							R823	1-216-817-11	METAL CHIP	470	5%	1/10W	
							R825	1-216-849-11	METAL CHIP	220K	5%	1/10W	
							R826	1-216-843-11	METAL CHIP	68K	5%	1/10W	
							R827	1-216-809-11	METAL CHIP	100	5%	1/10W	
							R828	1-216-809-11	METAL CHIP	100	5%	1/10W	
							R830	1-216-809-11	METAL CHIP	100	5%	1/10W	

MAIN

RELAY

SENSOR

Ref. No.	Part No.	Description			Remark
R832	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R833	1-249-417-11	CARBON	1K	5%	1/4W
R834	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R844	1-216-845-11	METAL CHIP	100K	5%	1/10W
R846	1-216-845-11	METAL CHIP	100K	5%	1/10W
R847	1-216-864-11	SHORT CHIP	0		
R848	1-216-845-11	METAL CHIP	100K	5%	1/10W
R849	1-216-841-11	METAL CHIP	47K	5%	1/10W
R850	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R852	1-216-864-11	SHORT CHIP	0		
R853	1-216-864-11	SHORT CHIP	0		
R855	1-216-821-11	METAL CHIP	1K	5%	1/10W
R856	1-216-841-11	METAL CHIP	47K	5%	1/10W
R857	1-216-809-11	METAL CHIP	100	5%	1/10W
R858	1-216-809-11	METAL CHIP	100	5%	1/10W
R859	1-216-809-11	METAL CHIP	100	5%	1/10W
R860	1-216-845-11	METAL CHIP	100K	5%	1/10W
R861	1-216-809-11	METAL CHIP	100	5%	1/10W
R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R863	1-216-845-11	METAL CHIP	100K	5%	1/10W
R864	1-216-833-11	METAL CHIP	10K	5%	1/10W
R865	1-216-833-11	METAL CHIP	10K	5%	1/10W
R866	1-216-845-11	METAL CHIP	100K	5%	1/10W
R870	1-249-407-11	CARBON	150	5%	1/4W
R871	1-249-407-11	CARBON	150	5%	1/4W
R872	1-216-029-00	RES-CHIP	150	5%	1/10W
R873	1-216-845-11	METAL CHIP	100K	5%	1/10W
R900	1-216-849-11	METAL CHIP	220K	5%	1/10W
R901	1-216-845-11	METAL CHIP	100K	5%	1/10W
R902	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R903	1-216-841-11	METAL CHIP	47K	5%	1/10W
R904	1-216-841-11	METAL CHIP	47K	5%	1/10W
R905	1-216-833-11	METAL CHIP	10K	5%	1/10W
R907	1-216-833-11	METAL CHIP	10K	5%	1/10W
R908	1-216-809-11	METAL CHIP	100	5%	1/10W
R909	1-216-809-11	METAL CHIP	100	5%	1/10W
R910	1-216-809-11	METAL CHIP	100	5%	1/10W
R911	1-216-864-11	SHORT CHIP	0		
R912	1-249-417-11	CARBON	1K	5%	1/4W
R913	1-216-821-11	METAL CHIP	1K	5%	1/10W
R914	1-469-144-21	FERRITE, EMI (SMD) (2012)			
R915	1-469-144-21	FERRITE, EMI (SMD) (2012)			
R917	1-249-431-11	CARBON	15K	5%	1/4W
R919	1-216-809-11	METAL CHIP	100	5%	1/10W
R920	1-216-821-11	METAL CHIP	1K	5%	1/10W
R921	1-216-809-11	METAL CHIP	100	5%	1/10W
R925	1-216-845-11	METAL CHIP	100K	5%	1/10W
R926	1-216-849-11	METAL CHIP	220K	5%	1/10W
R927	1-216-833-11	METAL CHIP	10K	5%	1/10W
R929	1-216-821-11	METAL CHIP	1K	5%	1/10W
R930	1-216-821-11	METAL CHIP	1K	5%	1/10W
R931	1-216-073-00	RES-CHIP	10K	5%	1/10W
R932	1-216-073-00	RES-CHIP	10K	5%	1/10W
R935	1-216-841-11	METAL CHIP	47K	5%	1/10W
R936	1-216-864-11	SHORT CHIP	0		
R938	1-216-073-00	RES-CHIP	10K	5%	1/10W
R939	1-216-073-00	RES-CHIP	10K	5%	1/10W
R940	1-216-845-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R941	1-216-837-11	METAL CHIP	22K	5%	1/10W
		< SWITCH >			
S800	1-571-850-51	SWITCH, SLIDE (FREQUENCY SELECT)			(F5510X)
S801	1-786-458-11	SWITCH, PUSH (1 KEY) (NOSE DET)			
S802	1-762-638-21	SWITCH, TACTILE (RESET)			
		< THERMISTOR (POSITIVE) >			
TH900	1-801-792-21	THERMISTOR, POSITIVE			
		< TUNER >			
TUX601	A-3220-961-A	TUNER UNIT (TUX-032)			
		< VIBRATOR >			
X800	1-813-524-21	VIBRATOR, CERAMIC (18.432MHz)			
X801	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)			

		RELAY BOARD			

	1-792-173-11	CABLE, FLAT (FFC) 12P (CNP903)			
		< CAPACITOR >			
C974	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C975	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CNP902	1-817-159-11	SOCKET, CONNECTOR 14P			
		< DIODE >			
LED930	6-500-511-01	LED CL-270PG-C-TS (DISC IN) (F5550EE)			
LED930	6-500-895-01	LED CL-270UB2-X-TS (DISC IN) (F5510)			
LED930	8-719-082-38	LED CL-270SR-C-TS (DISC IN) (F5510X)			
LED935	6-500-476-01	LED SML310BA1TT86 (▲) (F5510)			
LED935	6-500-510-01	LED CL-195PG-CD-T (▲) (F5550EE)			
LED935	8-719-053-09	LED SML-310VTT86 (▲) (F5510X)			
		< RESISTOR >			
R966	1-216-813-11	METAL CHIP	220	5%	1/10W (F5510)
R966	1-216-817-11	METAL CHIP	470	5%	1/10W (EXCEPT F5510)
		< SWITCH >			
S931	1-786-763-11	SWITCH, TACTILE (▲)			

		SENSOR BOARD			

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

SERVO

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
	A-1075-784-A	SERVO BOARD, COMPLETE *****					C106	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V				
		< CAPACITOR >							< CONNECTOR >				
C4	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					CN1	1-691-380-21	CONNECTOR, FFC/FPC 16P				
C5	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					CN2	1-817-275-21	CONNECTOR, BOARD TO BOARD 28P				
C6	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V							< JUMPER RESISTOR >				
C7	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					FB2	1-216-864-11	SHORT CHIP 0				
C9	1-104-609-11	ELECT CHIP 100uF 20% 4V					FB3	1-216-864-11	SHORT CHIP 0				
C10	1-162-962-11	CERAMIC CHIP 470PF 10% 50V					FB4	1-216-864-11	SHORT CHIP 0				
C13	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V							< IC >				
C16	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					IC1	6-707-327-01	IC BA5968FP-E2				
C17	1-162-925-11	CERAMIC CHIP 68PF 5% 50V					IC2	6-707-328-01	IC TC94A60MFG-301				
C18	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					IC3	6-805-086-01	IC MB90487APFV-G-131-BNDE1				
C19	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					IC6	6-705-364-01	IC R1114N151D-TR-FA				
C20	1-164-245-11	CERAMIC CHIP 0.015uF 10% 25V							< TRANSISTOR >				
C21	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V					Q1	8-729-904-87	TRANSISTOR 2SB1197K-R				
C22	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					Q2	8-729-904-87	TRANSISTOR 2SB1197K-R				
C23	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					Q3	8-729-928-90	TRANSISTOR DTC114EE				
C24	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V							< RESISTOR >				
C27	1-164-677-11	CERAMIC CHIP 0.033uF 10% 16V					R1	1-218-941-81	RES-CHIP 100 5% 1/16W				
C28	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					R2	1-208-699-11	METAL CHIP 4.7K 0.5% 1/16W				
C29	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R3	1-208-912-11	METAL CHIP 11K 0.5% 1/16W				
C31	1-164-245-11	CERAMIC CHIP 0.015uF 10% 25V					R4	1-218-969-11	RES-CHIP 22K 5% 1/16W				
C32	1-162-923-11	CERAMIC CHIP 47PF 5% 50V					R5	1-218-969-11	RES-CHIP 22K 5% 1/16W				
C33	1-164-677-11	CERAMIC CHIP 0.033uF 10% 16V					R6	1-218-929-11	RES-CHIP 10 5% 1/16W				
C34	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R7	1-218-929-11	RES-CHIP 10 5% 1/16W				
C35	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R8	1-218-967-11	RES-CHIP 15K 5% 1/16W				
C36	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R9	1-218-967-11	RES-CHIP 15K 5% 1/16W				
C37	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R10	1-218-965-11	RES-CHIP 10K 5% 1/16W				
C38	1-162-962-11	CERAMIC CHIP 470PF 10% 50V					R11	1-218-965-11	RES-CHIP 10K 5% 1/16W				
C39	1-162-962-11	CERAMIC CHIP 470PF 10% 50V					R12	1-218-977-11	RES-CHIP 100K 5% 1/16W				
C40	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V					R13	1-218-969-11	RES-CHIP 22K 5% 1/16W				
C41	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V					R16	1-218-967-11	RES-CHIP 15K 5% 1/16W				
C42	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R17	1-218-973-11	RES-CHIP 47K 5% 1/16W				
C43	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					R19	1-218-967-11	RES-CHIP 15K 5% 1/16W				
C44	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R21	1-218-973-11	RES-CHIP 47K 5% 1/16W				
C45	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R22	1-218-990-11	SHORT CHIP 0				
C47	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R23	1-218-979-11	RES-CHIP 150K 5% 1/16W				
C48	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R24	1-218-962-11	RES-CHIP 5.6K 5% 1/16W				
C49	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R25	1-218-990-11	SHORT CHIP 0				
C51	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R26	1-218-941-81	RES-CHIP 100 5% 1/16W				
C52	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V					R28	1-218-947-11	RES-CHIP 330 5% 1/16W				
C53	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V					R40	1-218-941-81	RES-CHIP 100 5% 1/16W				
C57	1-115-416-11	CERAMIC CHIP 0.001uF 5% 25V					R41	1-218-977-11	RES-CHIP 100K 5% 1/16W				
C58	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					R42	1-218-977-11	RES-CHIP 100K 5% 1/16W				
C59	1-112-195-11	ELECT CHIP 47uF 4V					R43	1-218-941-81	RES-CHIP 100 5% 1/16W				
C60	1-112-195-11	ELECT CHIP 47uF 4V					R44	1-218-941-81	RES-CHIP 100 5% 1/16W				
C61	1-126-208-21	ELECT CHIP 47uF 20% 4V					R45	1-218-989-11	RES-CHIP 1M 5% 1/16W				
C62	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					R46	1-218-947-11	RES-CHIP 330 5% 1/16W				
C64	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					R47	1-218-977-11	RES-CHIP 100K 5% 1/16W				
C65	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V					R48	1-218-941-81	RES-CHIP 100 5% 1/16W				
C67	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V					R49	1-218-941-81	RES-CHIP 100 5% 1/16W				
C72	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V					R50	1-218-941-81	RES-CHIP 100 5% 1/16W				
C80	1-125-837-11	CERAMIC CHIP 1uF 10% 6.3V					R51	1-218-941-81	RES-CHIP 100 5% 1/16W				
C101	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V											
C102	1-162-962-11	CERAMIC CHIP 470PF 10% 50V											
C103	1-100-567-81	CERAMIC CHIP 0.01uF 10% 25V											
C105	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V											

Ref. No.	Part No.	Description	Remark
X2	1-795-561-21	VIBRATOR, CERAMIC (16.9344MHz)	

MISCELLANEOUS			

11	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	
		(EXCEPT F5550EE)	
11	1-776-527-72	CORD (WITH CONNECTOR) (ISO) (POWER)	
		(F5550EE)	
△ 153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-787-A	CHASSIS (OP) SUB ASSY (including M901)	
F900	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M902	A-3337-638-A	MOTOR ASSY, SL (SLED)	
M903	A-1075-792-A	MOTOR ASSY, LE (LOADING)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	

ACCESSORIES			

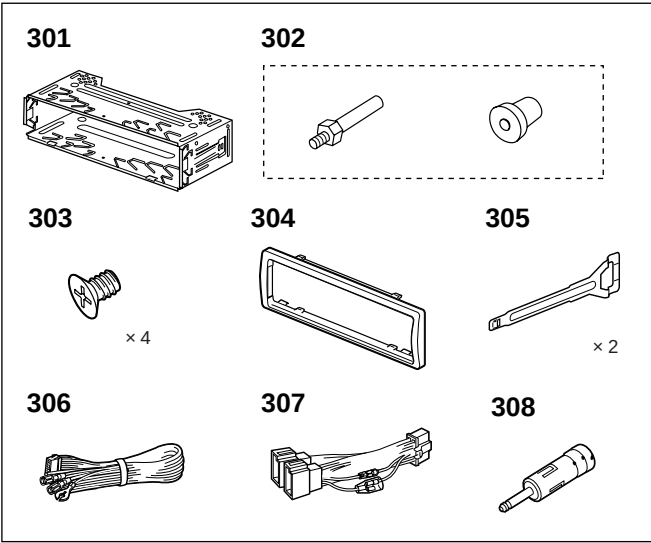
1-479-077-11	REMOTE COMMANDER (RM-X151)		
2-515-314-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH)		
	(F5510)		
2-515-314-21	MANUAL, INSTRUCTION (ENGLISH,RUSSIAN)		
	(F5550EE)		
2-515-314-31	MANUAL, INSTRUCTION (ENGLISH,SPANISH, TRADITIONAL CHINESE) (F5510X)		
2-515-317-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (F5510)		
2-515-317-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, RUSSIAN) (F5550EE)		
2-515-317-31	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH,TRADITIONAL CHINESE) (F5510X)		
2-548-729-01	LID, BATTERY CASE (for RM-X151)		
2-584-510-01	CD-ROM (INSTALL) (US)		
2-588-850-11	MANUAL, INSTRUCTION		
	(SONIC STAGE VER. 2.1) (US)		
X-3378-390-3	CASE (PANEL) ASSY (for FRONT PANEL)		

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

CDX-F5510/F5510X/F5550EE

Ref. No.	Part No.	Description	Remark
PARTS FOR INSTALLATION AND CONNECTIONS			

301	X-3382-647-1	FRAME ASSY, FITTING	
302	X-3366-405-1	SCREW ASSY (EXP), FITTING	(F5510X/F5550EE)
303	3-934-325-01	SCREW (+K 5X8 TP)	
304	3-260-658-02	COLLAR	
305	3-246-471-01	KEY (FRAME)	
306	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	(EXCEPT F5550EE)
307	1-776-527-72	CORD (WITH CONNECTOR) (ISO) (POWER)	(F5550EE)
308	1-465-459-21	ADAPTOR, ANTENNA (F5550EE)	



CDX-F5510/F5510X/F5550EE

SONY®

SERVICE MANUAL

Ver. 1.1 2006. 01

US Model

Canadian Model

CDX-F5510

E Model

CDX-F5510X

East European Model

CDX-F5550EE

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Production country change.

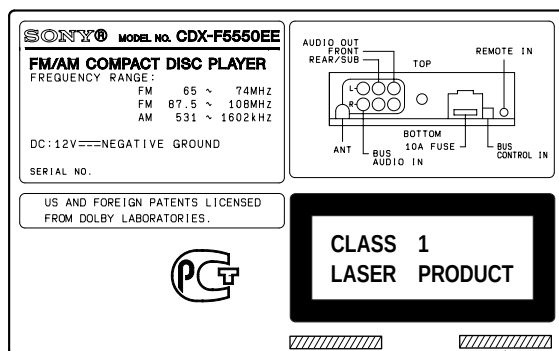
The CDX-F5550EE model has been changed in the production country to Thailand from Korea.

This service manual, SUPPLEMENT-1 only contains the change.

When servicing and inspecting, check the Model Number Label to see if the model is made in Thailand or Korea.

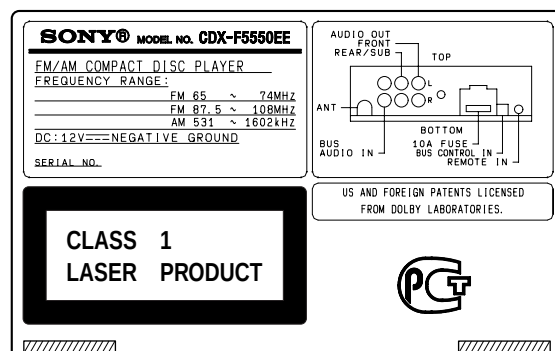
DISCRIMINATION

Korea production model



2-541-875-0□

Thailand production model



2-670-459-0□

TABLE OF CONTENTS

1. DIAGRAMS

1-1. Printed Wiring Boards –CD Mechanism Section– 4

1-2. Schematic Diagram –CD Mechanism Section (1/2)– 5

1-3. Schematic Diagram –CD Mechanism Section (2/2)– 6

1-4. Schematic Diagram –Main Section (1/3)– 7

1-5. Schematic Diagram –Main Section (2/3)– 8

1-6. Schematic Diagram –Main Section (3/3)– 9

1-7. Printed Wiring Boards –Main Section– 10

1-8. Printed Wiring Board –Relay Section– 11

1-9. Schematic Diagram –Relay Section– 11

2. EXPLODED VIEWS

2-1. Main Section 13

2-2. CD Mechanism Section (1) 14

2-3. CD Mechanism Section (2) 15

2-4. CD Mechanism Section (3) 16

2-5. CD Mechanism Section (4) 17

3. ELECTRICAL PARTS LIST 18

SECTION 1
DIAGRAMS

• 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. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- $\triangle$: internal component.
- $\square$: panel designation.

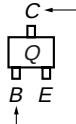
Note: The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

- — : B+ Line.
- - - - : B- Line.
- □ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD mechanism section (1/2), (2/2)
no mark : CD PLAY
- Main section (1/3), (2/3), (3/3)
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
 : BUS AUDIO

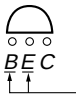
For printed wiring boards.
Note:

-  : 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) parts face are indicated.



These are omitted



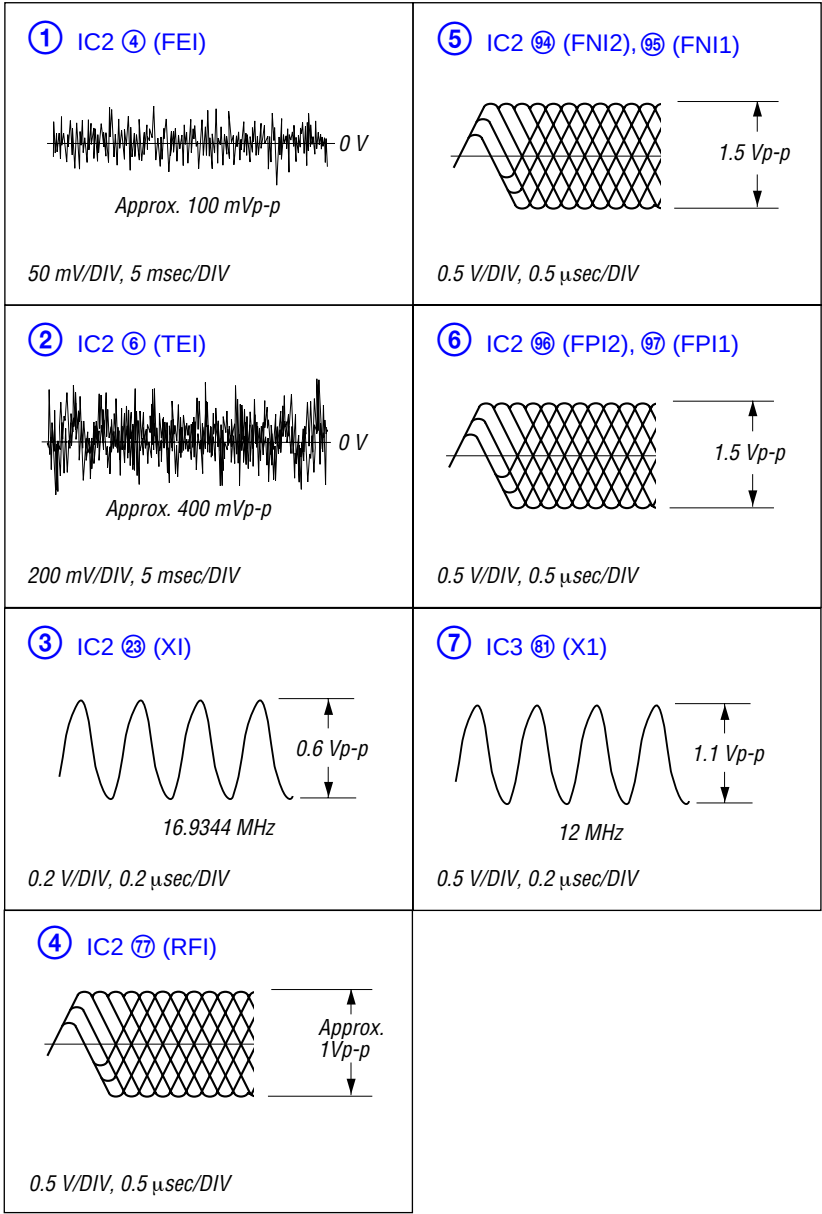
These are omitted



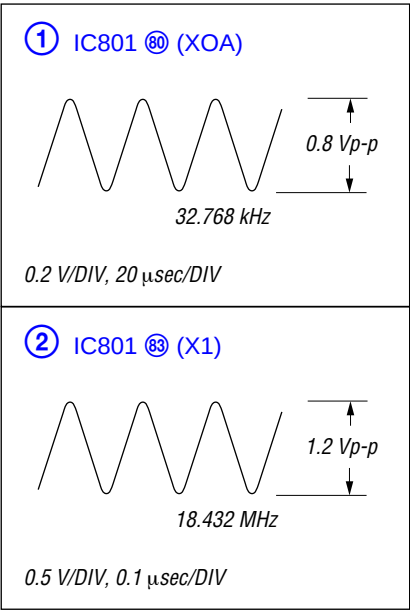
These are omitted

• WAVEFORMS

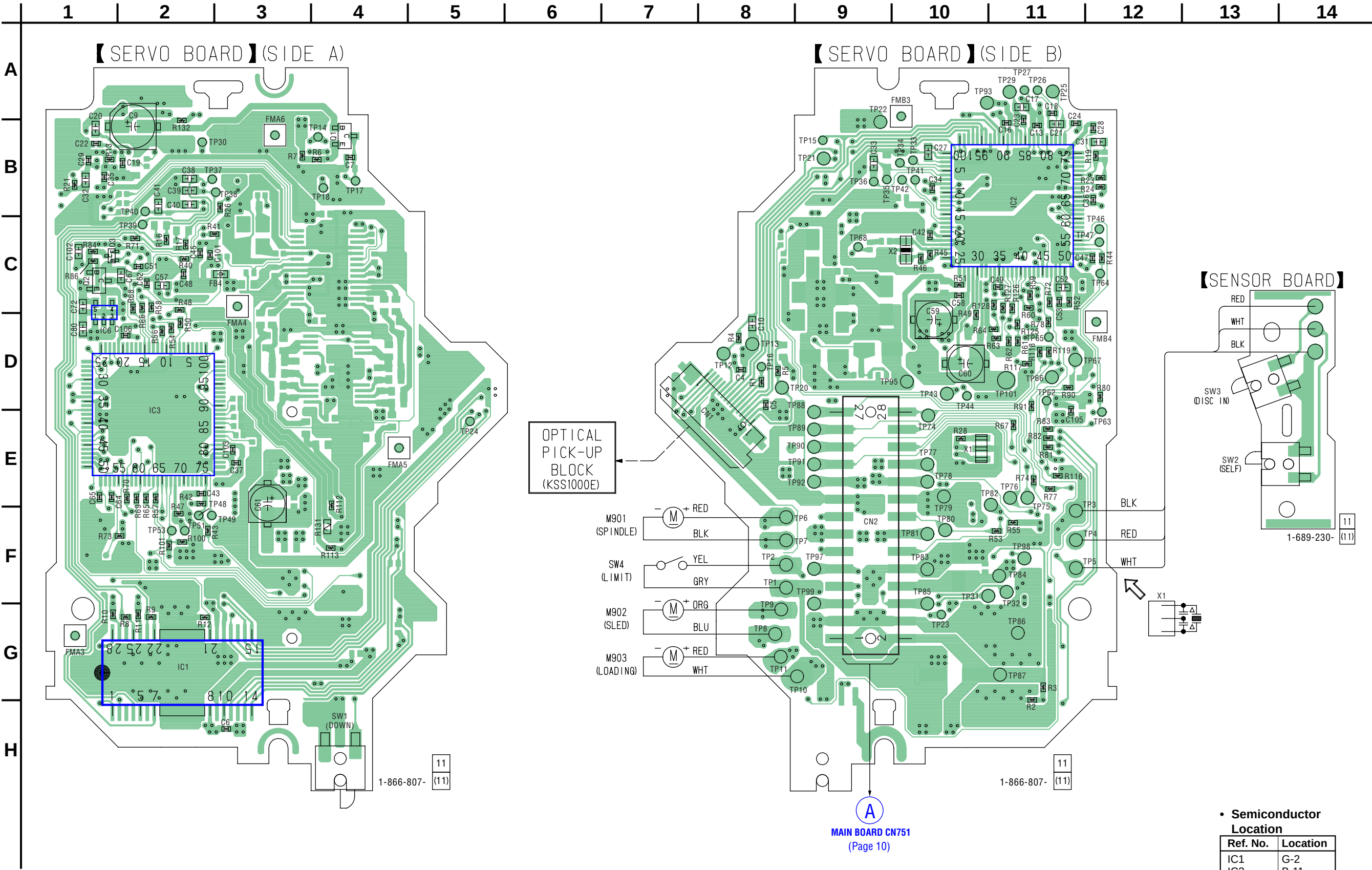
— SERVO BOARD —
(CD PLAY)



— MAIN BOARD —

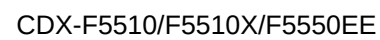


1-1. PRINTED WIRING BOARDS — CD MECHANISM SECTION — : Uses unleaded solder.

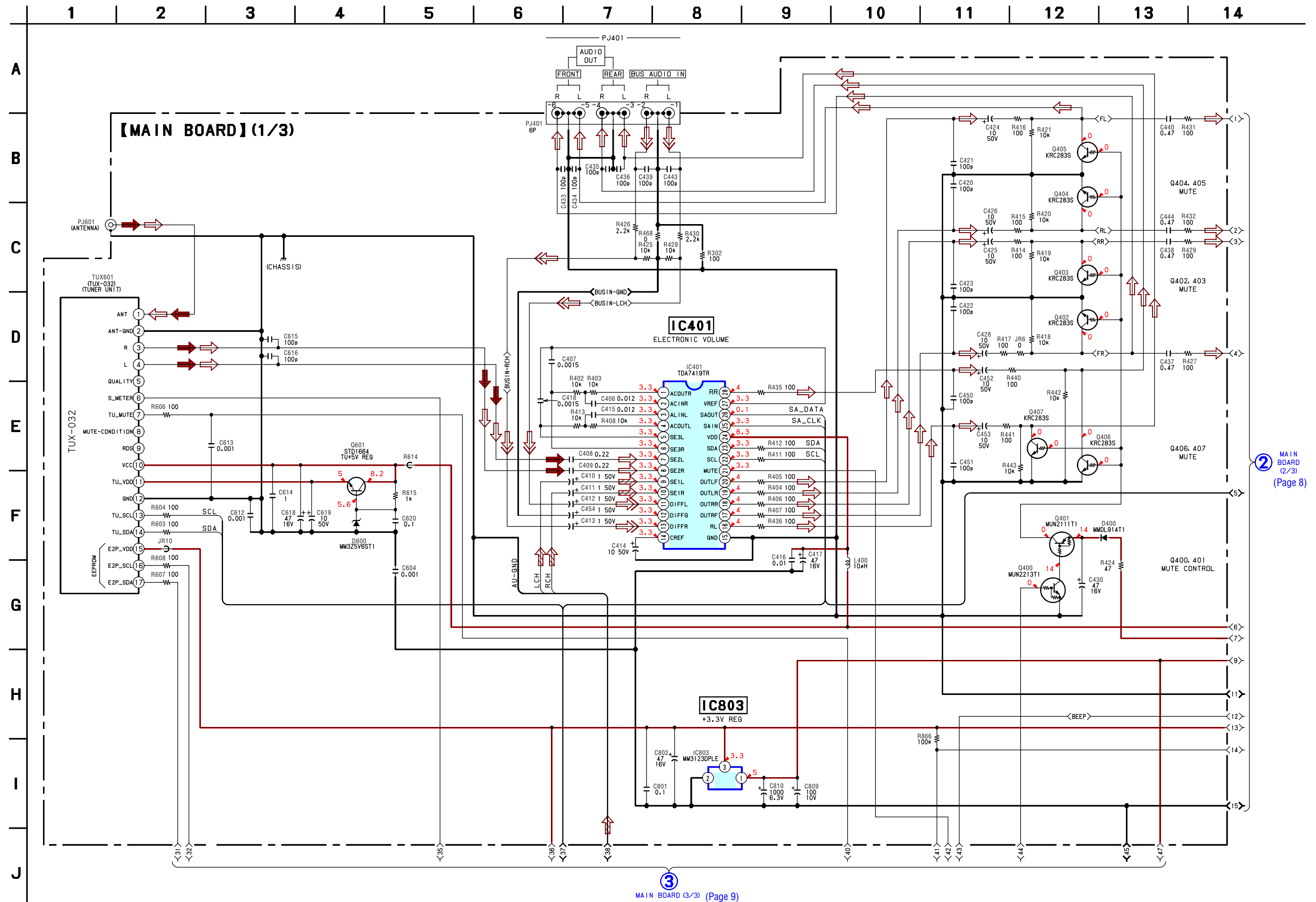


• Semiconductor Location

Ref. No.	Location
IC1	G-2
IC2	B-11
IC3	D-2
IC6	D-1
Q1	B-4
Q2	C-1
Q3	C-1



1-4. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) —

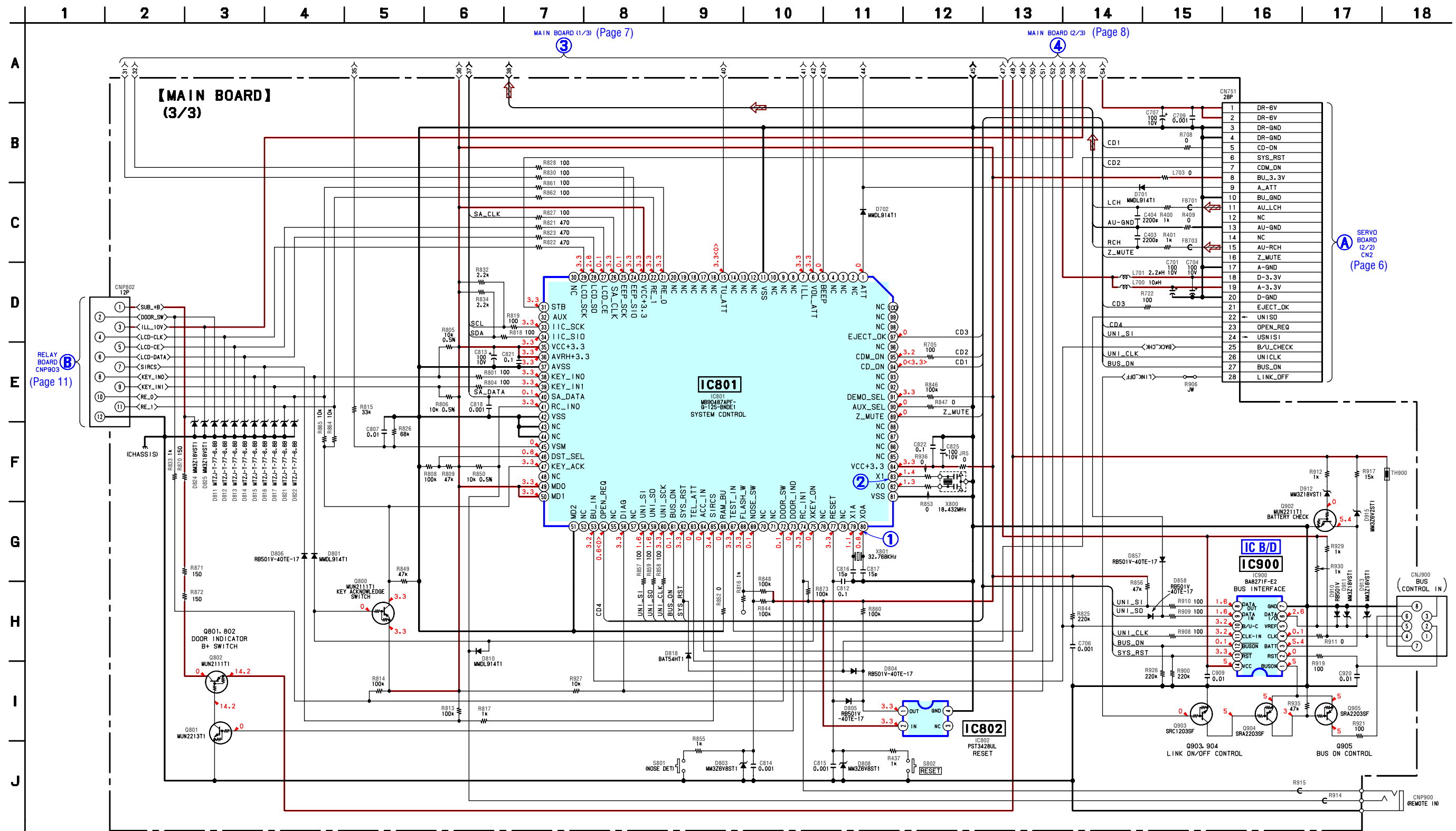


8 8

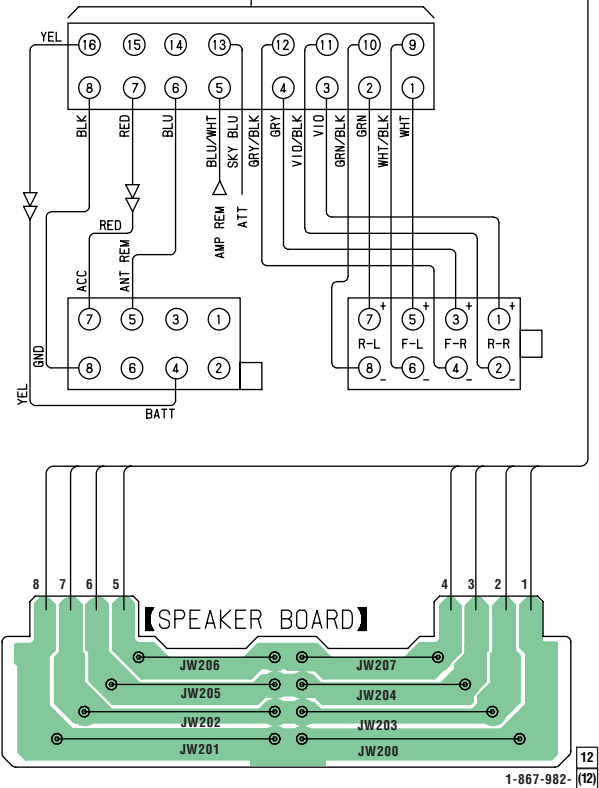
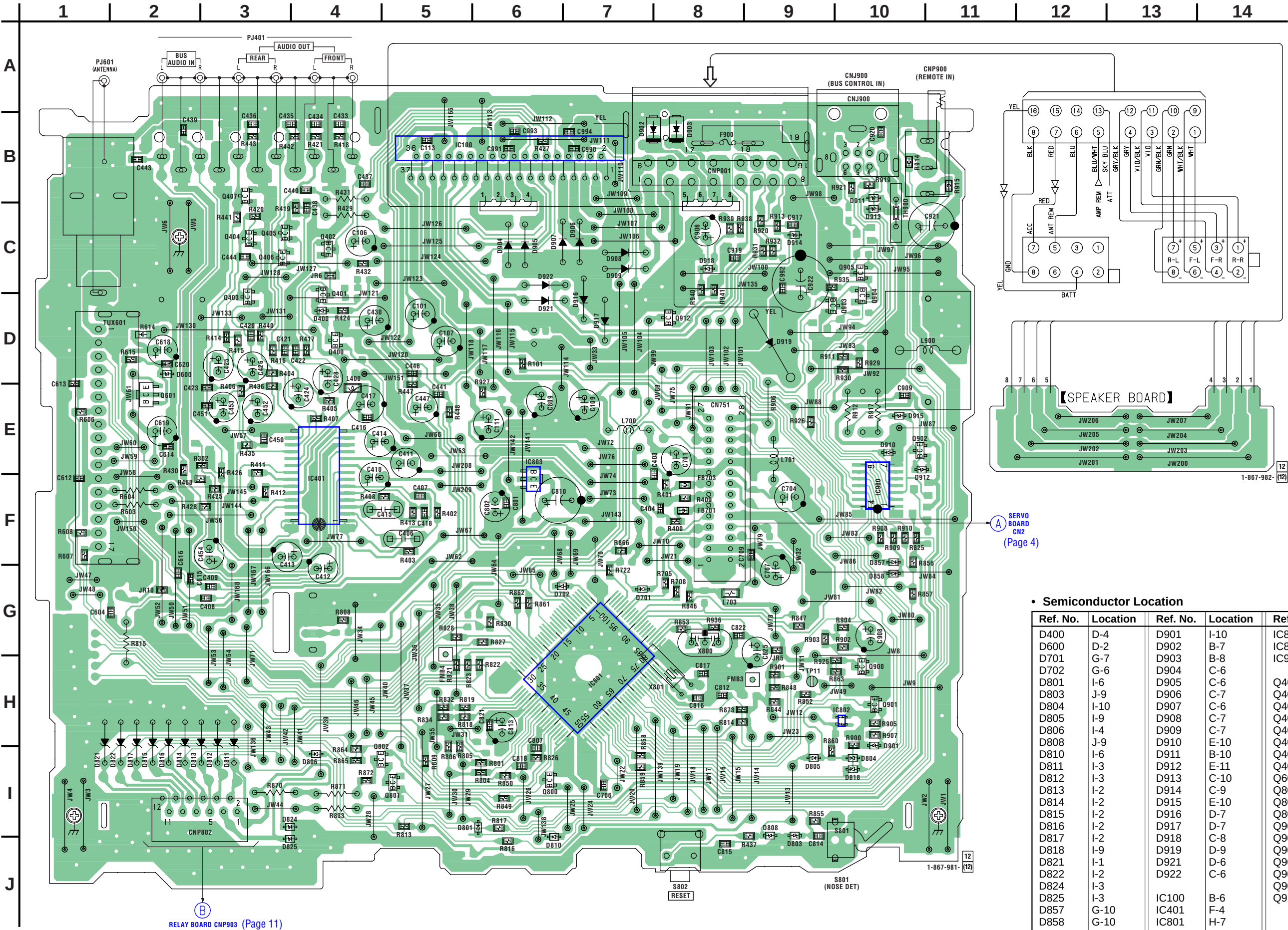


1-6. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —

- Refer to page 3 for Waveforms.
- Refer to page 12 for IC Block Diagram.



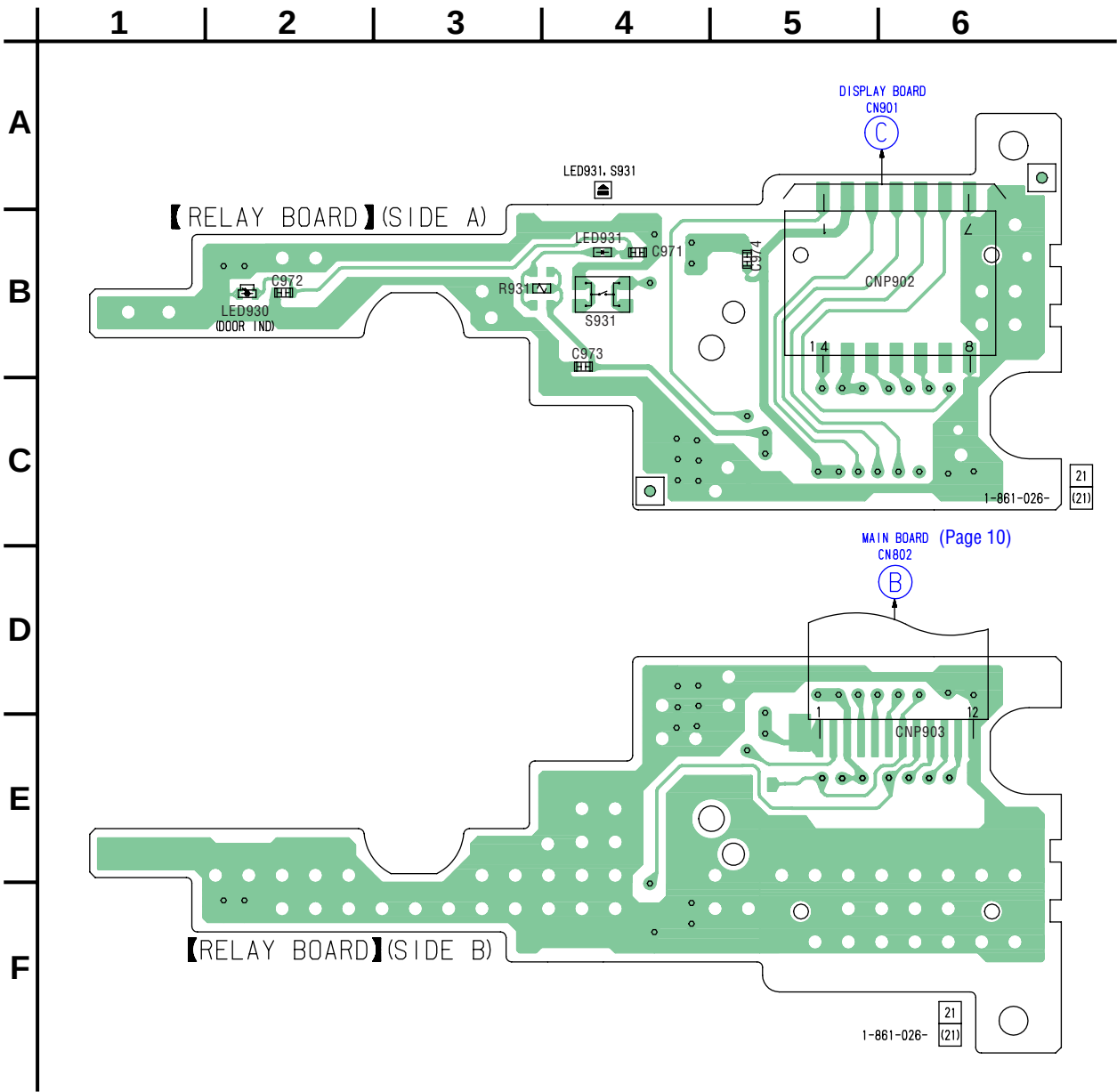
1-7. PRINTED WIRING BOARDS — MAIN SECTION — : Uses unleaded solder.



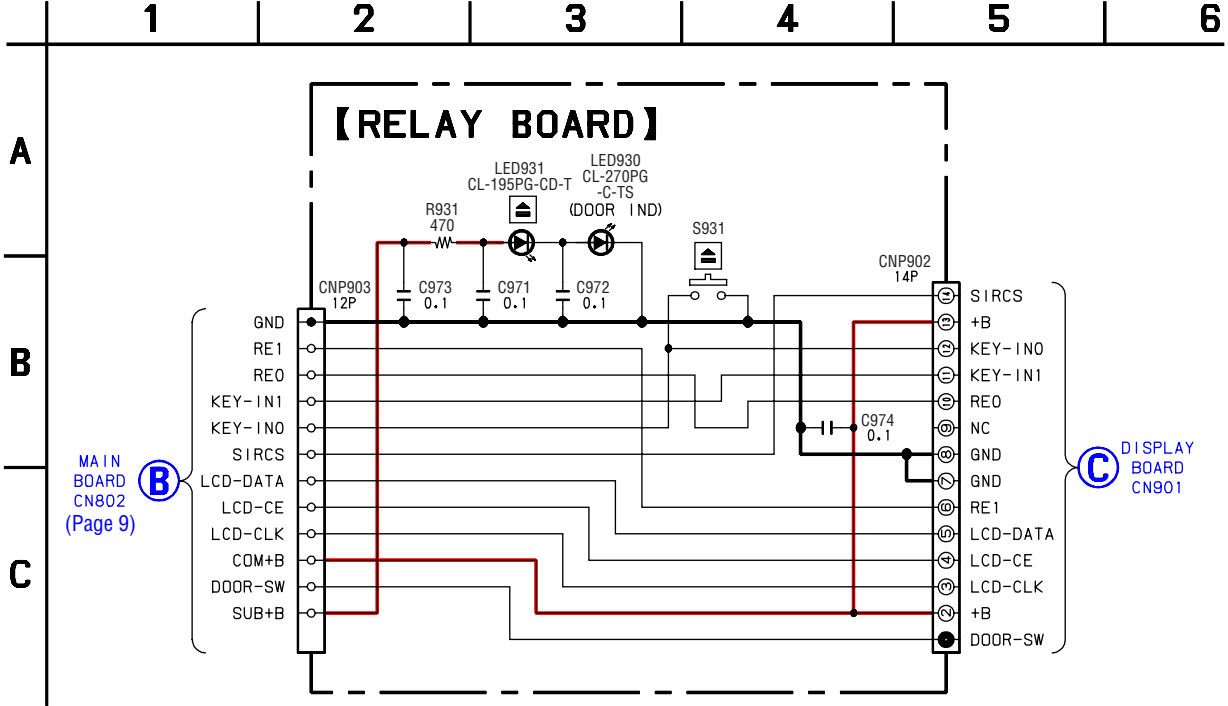
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D400	D-4	D901	I-10	IC802	H-10
D600	D-2	D902	B-7	IC803	E-6
D701	G-7	D903	B-8	IC900	F-10
D702	G-6	D904	C-6		
D801	I-6	D905	C-6	Q400	D-4
D803	J-9	D906	C-7	Q401	C-4
D804	I-10	D907	C-6	Q402	C-4
D805	I-9	D908	C-7	Q403	D-3
D806	I-4	D909	C-7	Q404	C-3
D808	J-9	D910	E-10	Q405	C-3
D810	I-6	D911	B-10	Q406	C-3
D811	I-3	D912	E-11	Q407	B-3
D812	I-3	D913	C-10	Q601	E-2
D813	I-2	D914	C-9	Q800	I-6
D814	I-2	D915	E-10	Q801	I-5
D815	I-2	D916	D-7	Q802	I-4
D816	I-2	D917	D-7	Q900	H-10
D817	I-2	D918	C-8	Q901	H-10
D818	I-9	D919	D-9	Q902	E-10
D821	I-1	D921	D-6	Q903	D-10
D822	I-2	D922	C-6	Q904	D-10
D824	I-3			Q905	C-10
D825	I-3			Q912	D-8
D857	G-10	IC100	B-6		
D858	G-10	IC401	F-4		
		IC801	H-7		

1-8. PRINTED WIRING BOARD — RELAY SECTION —  : Uses unleaded solder.

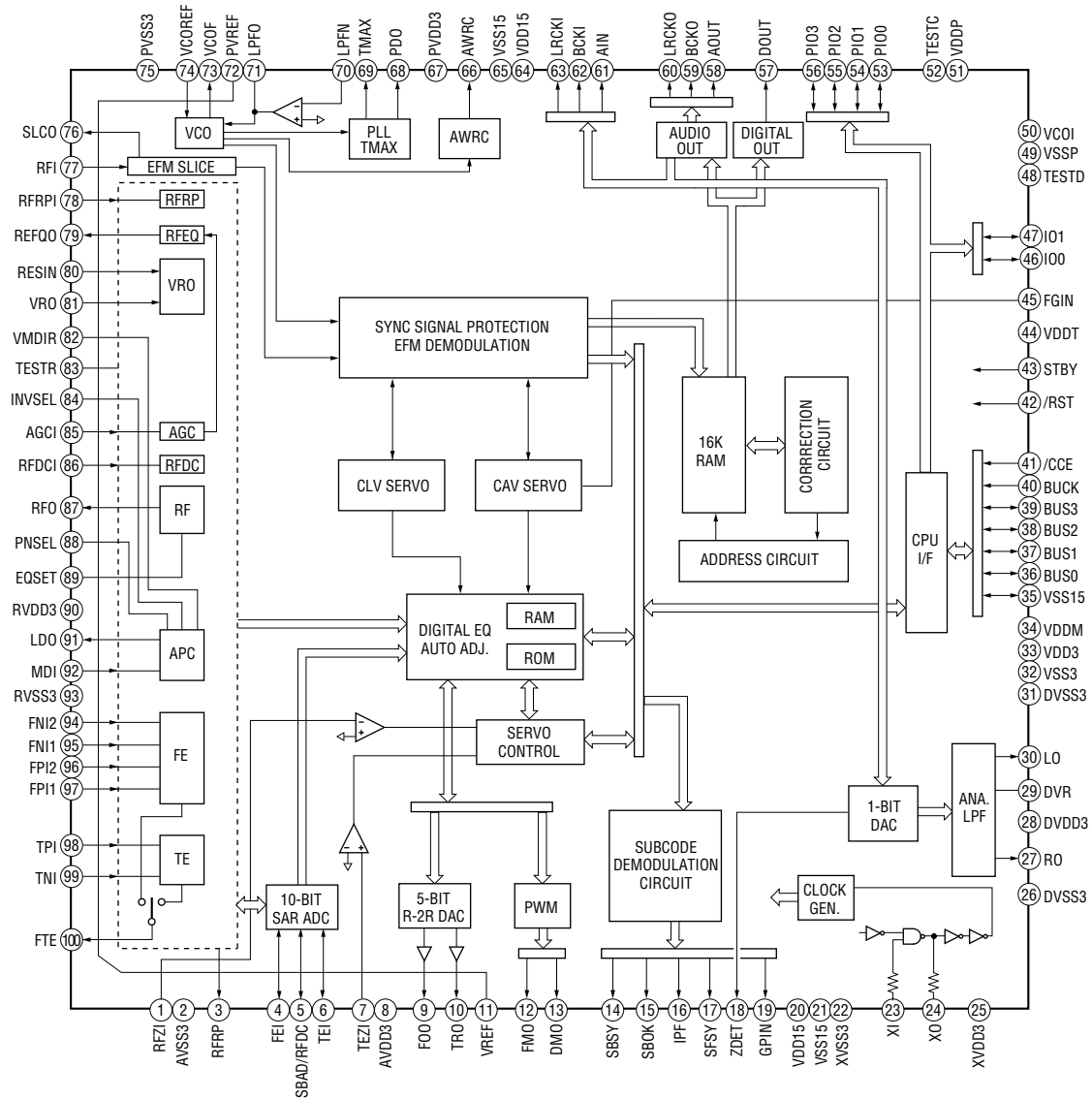


1-9. SCHEMATIC DIAGRAM — RELAY SECTION —

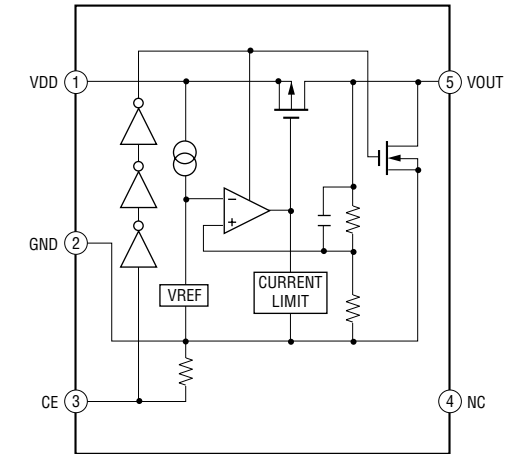


• IC BLOCK DIAGRAMS

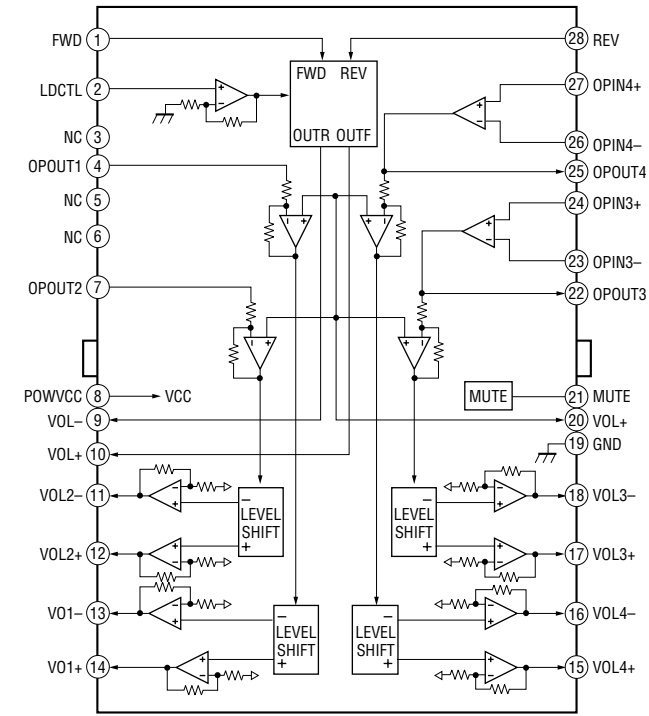
IC2 TC94A60MFG-301 (SERVO Board (1/2))



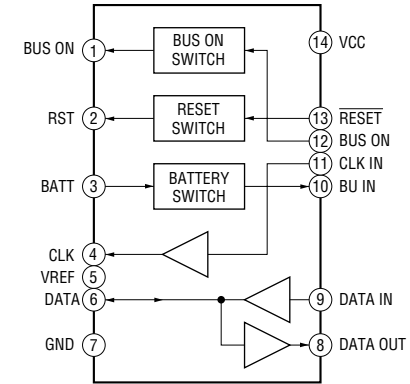
IC6 R1114N151D-TR-FA (SERVO Board (1/2))



IC1 BA5968FP-E2 (SERVO Board (2/2))



IC900 BA8271F-E2 (MAIN Board (3/3))



SECTION 2 EXPLODED VIEWS

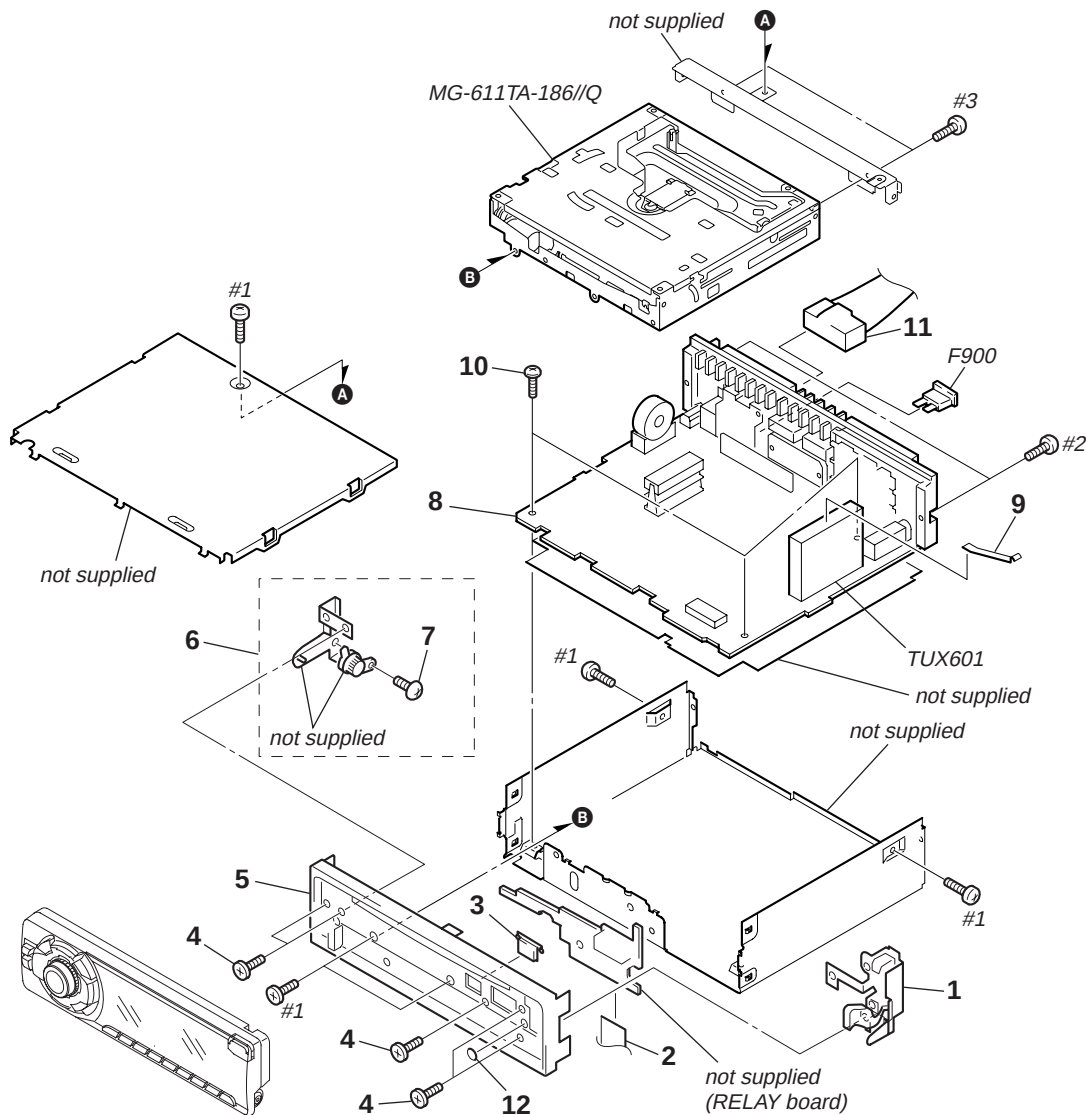
NOTE:

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

- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)
Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

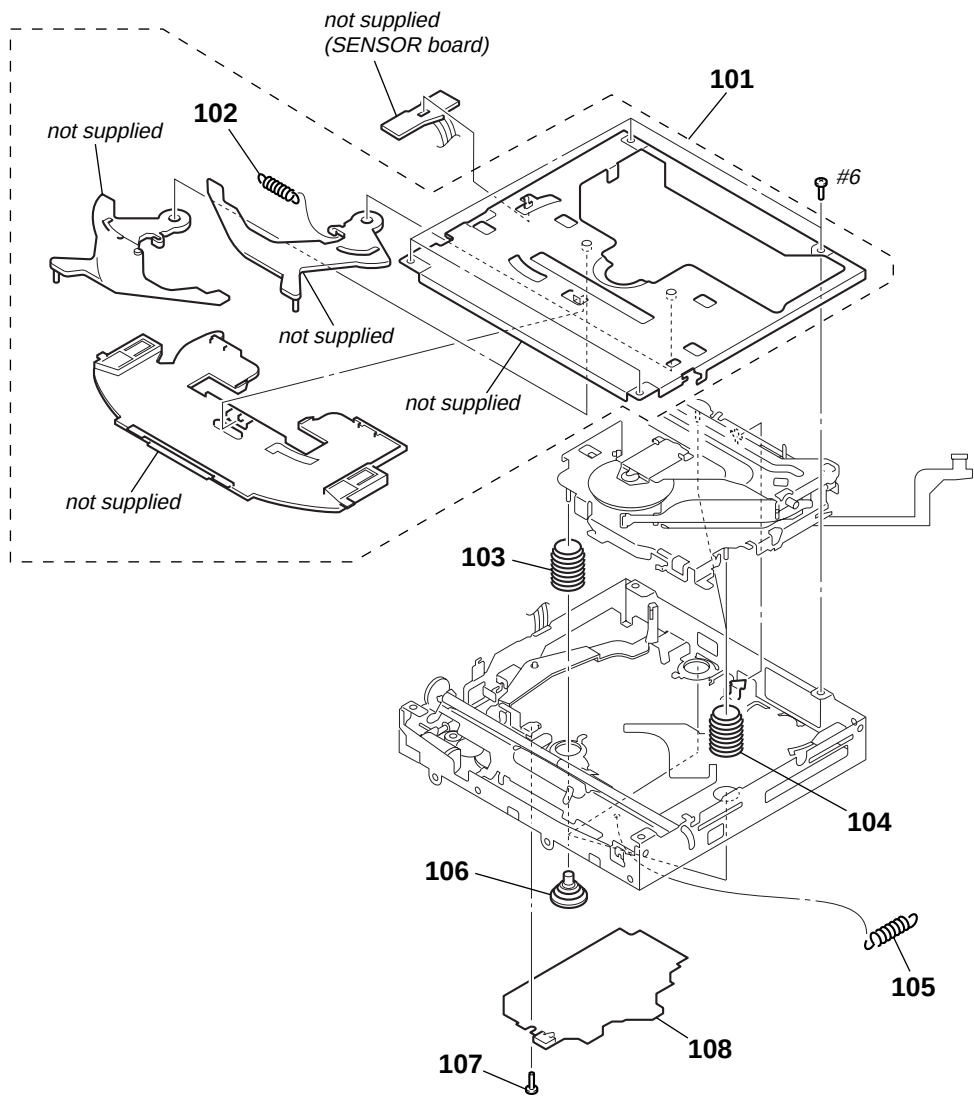
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

2-1. MAIN SECTION



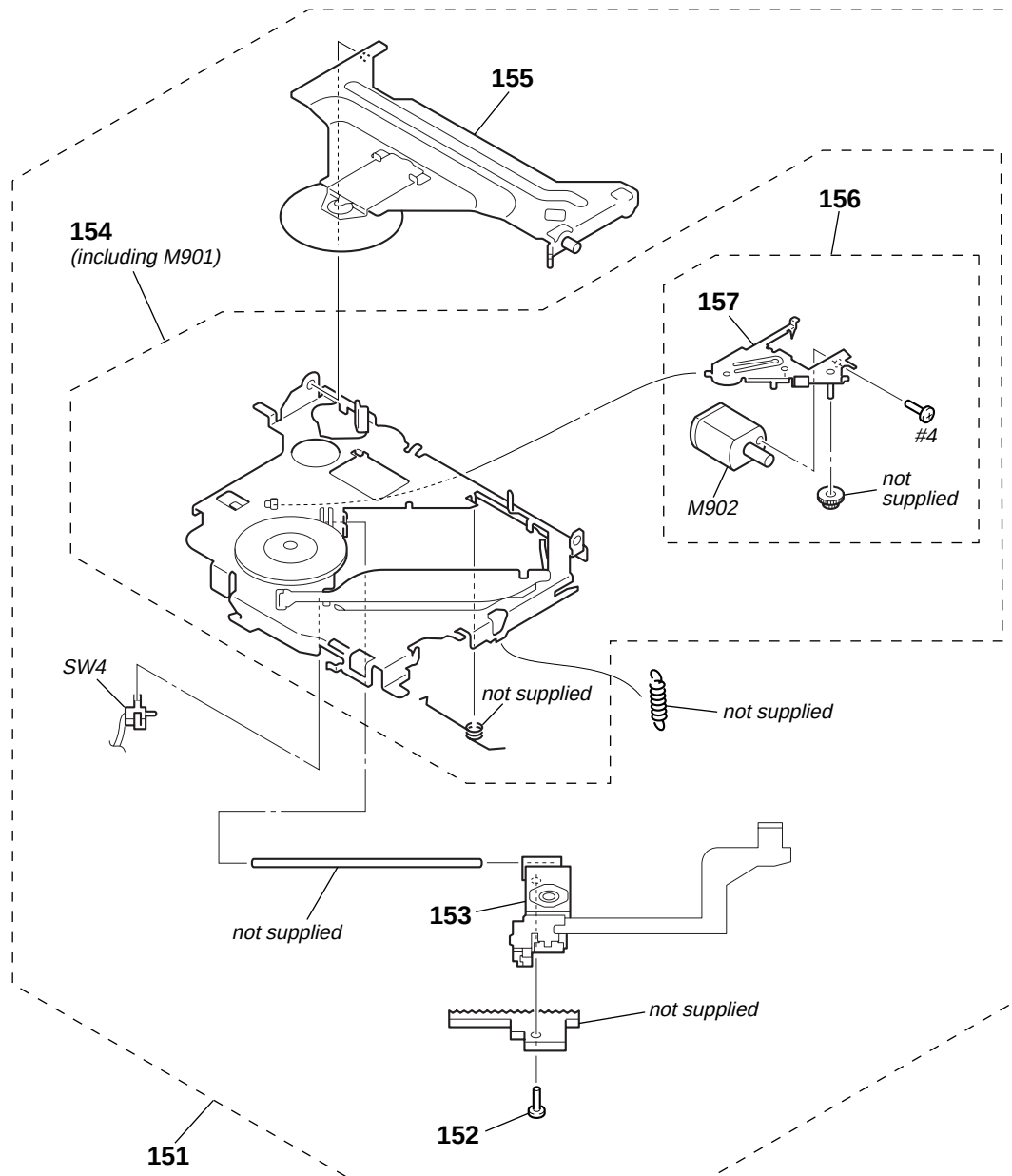
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3384-259-1	LOCK ASSY		10	2-050-124-01	SCREW +BTT 2.6X5	
2	1-792-173-11	CABLE, FLAT (FFC) 12P		11	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	
3	3-246-441-01	BUTTON (EJECT)		12	3-260-247-01	CUSHION (SUB PANEL)	
4	3-042-244-01	SCREW (T)		F900	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
5	X-3384-364-3	SUB PANEL ASSY		TUX601	A-3220-961-B	TUNER UNIT (TUX-032)	
6	X-3384-203-1	GEAR ASSY		#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
7	3-713-786-51	SCREW +P 2X3		#2	7-685-793-09	SCREW +PTT 2.6X8 (S)	
8	A-1172-509-A	MAIN BOARD, COMPLETE		#3	7-685-790-01	SCREW +PTT 2.6X4 (S)	
9	2-021-848-01	SHEET (TU), GROUND					

2-2. CD MECHANISM SECTION (1)
(MG-611TA-186//Q)



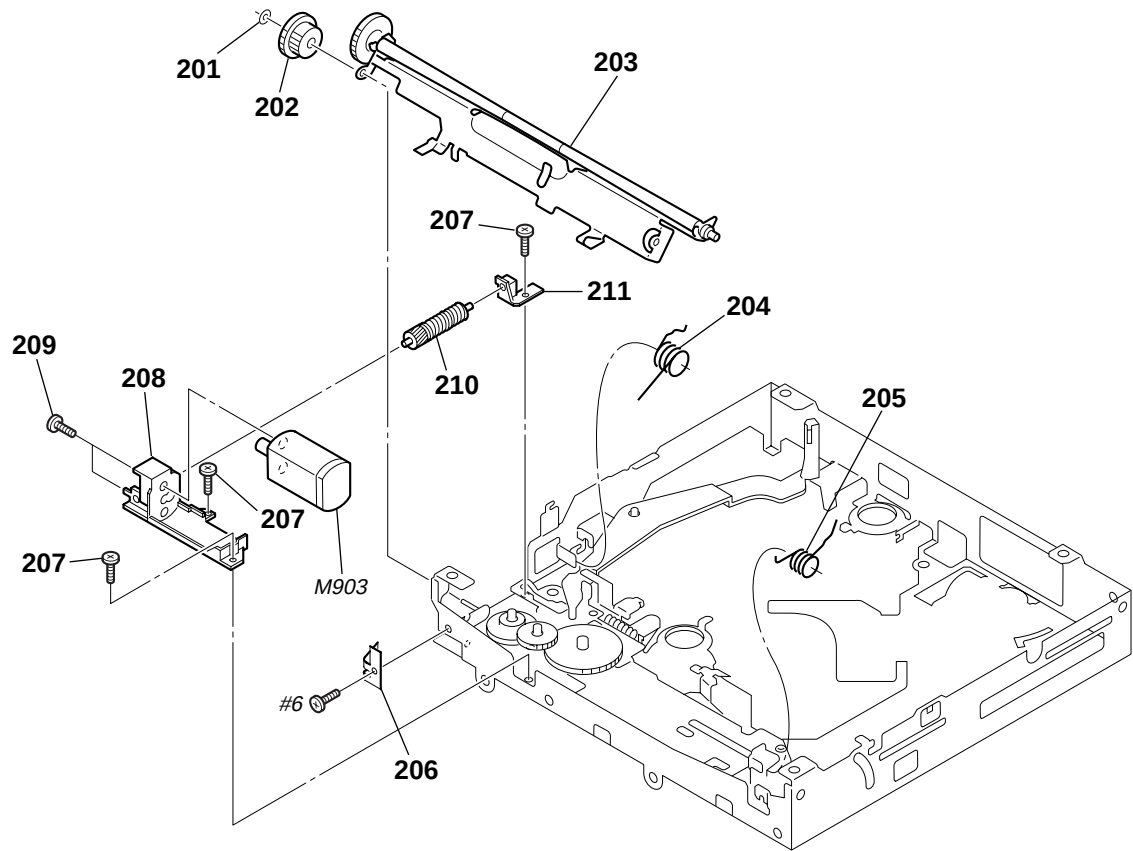
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-3372-444-C	CHASSIS (T) SUB ASSY		106	3-259-033-01	DAMPER (S)	
102	3-253-729-11	SPRING (LR), TENSION COIL		107	2-587-505-01	SCREW	
103	3-257-892-12	SPRING (DAMPER), COIL (GREEN)		108	A-1082-772-A	SERVO BOARD, COMPLETE	
104	3-257-892-01	SPRING (DAMPER), COIL (NATURAL)		#6	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
105	2-345-767-11	SPRING (KF60), TENSION					

2-3. CD MECHANISM SECTION (2) (MG-611TA-186//Q)



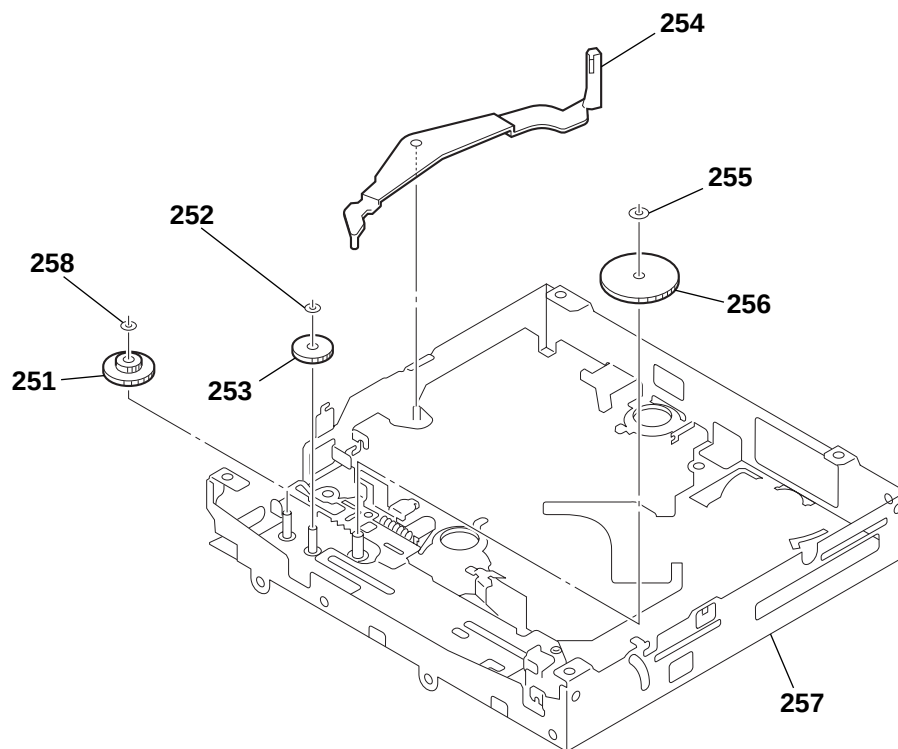
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1075-644-A	CHASSIS (OP) COMPLETE ASSY		156	A-3372-446-A	LEVER (SL) SUB ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING		157	X-3384-090-3	LEVER (SL) ASSY	
△ 153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)		M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
154	A-1075-645-A	CHASSIS (OP) SUB ASSY (including M901)		SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
155	A-3372-449-A	ARM SUB ASSY, CHUCKING		#4	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

2-4. CD MECHANISM SECTION (3)
(MG-611TA-186//Q)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	3-348-993-01	WASHER		208	2-186-696-02	BRACKET (LEM-N)	
202	2-186-699-01	GEAR (RA1)		209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
203	A-1075-641-C	ARM ASSY, ROLLER		210	A-1083-636-A	GEAR (LE) ASSY	
204	2-635-295-11	SPRING (RAL-B)		211	2-186-697-01	BEARING (LEB-N)	
205	2-635-296-11	SPRING (RAR-B)		M903	A-1166-300-A	MOTOR ASSY (B), LE (LOADING)	
206	3-259-469-12	SPRING (LE), LEAF		#6	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
207	2-134-636-21	SCREW (M1.7X2.5)					

2-5. CD MECHANISM SECTION (4)
(MG-611TA-186//Q)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	2-186-700-01	GEAR (CHK1)		255	2-630-962-01	WASHER (SLIT)	
252	3-344-223-01	WASHER		256	2-590-545-31	GEAR (LE2-M)	
253	3-259-470-12	GEAR (LE1)		257	A-1075-640-B	CHASSIS (M) BLOCK ASSY	
254	3-253-755-41	LEVER (D)		258	3-348-993-01	WASHER	

SECTION 3
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

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

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

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
	A-1172-509-A	MAIN BOARD, COMPLETE *****					C441	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
							C443	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C444	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V	
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT					C446	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
	7-685-794-09	SCREW +PTT 2.6X10 (S)					C447	1-126-961-11	ELECT	2.2uF	20%	50V	
		< CAPACITOR >					C450	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C451	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C101	1-126-964-11	ELECT	10uF	20%	50V		C452	1-126-964-11	ELECT	10uF	20%	50V	
C106	1-126-965-11	ELECT	22uF	20%	50V		C453	1-126-964-11	ELECT	10uF	20%	50V	
C107	1-126-964-11	ELECT	10uF	20%	50V		C454	1-126-960-11	ELECT	1uF	20%	50V	
C109	1-104-665-11	ELECT	100uF	20%	25V								
C111	1-126-964-11	ELECT	10uF	20%	50V		C604	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
							C612	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C113	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V		C613	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C403	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		C614	1-115-156-11	CERAMIC CHIP	1uF		10V	
C404	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		C615	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C406	1-136-154-00	FILM	0.012uF	5%	50V								
C407	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V		C616	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
							C618	1-126-947-11	ELECT	47uF	20%	35V	
C408	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V		C619	1-126-964-11	ELECT	10uF	20%	50V	
C409	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V		C620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C410	1-126-960-11	ELECT	1uF	20%	50V		C701	1-104-665-11	ELECT	100uF	20%	25V	
C411	1-126-960-11	ELECT	1uF	20%	50V								
C412	1-126-960-11	ELECT	1uF	20%	50V		C704	1-104-665-11	ELECT	100uF	20%	25V	
							C706	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C413	1-126-960-11	ELECT	1uF	20%	50V		C707	1-104-665-11	ELECT	100uF	20%	25V	
C414	1-126-964-11	ELECT	10uF	20%	50V		C709	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C415	1-136-154-00	FILM	0.012uF	5%	50V		C801	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C416	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V								
C417	1-126-947-11	ELECT	47uF	20%	35V		C802	1-126-947-11	ELECT	47uF	20%	35V	
							C807	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C418	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V		C809	1-104-665-11	ELECT	100uF	20%	25V	
C420	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C810	1-126-916-11	ELECT	1000uF	20%	6.3V	
C421	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C422	1-162-927-11	CERAMIC CHIP	100PF	5%	50V								
C423	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C813	1-104-665-11	ELECT	100uF	20%	25V	
							C814	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C424	1-126-964-11	ELECT	10uF	20%	50V		C815	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C425	1-126-964-11	ELECT	10uF	20%	50V		C816	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	
C426	1-126-964-11	ELECT	10uF	20%	50V		C817	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	
C428	1-126-964-11	ELECT	10uF	20%	50V								
C430	1-126-947-11	ELECT	47uF	20%	35V		C818	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
							C821	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C433	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C822	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C434	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C825	1-104-665-11	ELECT	100uF	20%	25V	
C435	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C906	1-126-963-11	ELECT	4.7uF	20%	50V	
C436	1-162-927-11	CERAMIC CHIP	100PF	5%	50V								
C437	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V		C908	1-126-960-11	ELECT	1uF	20%	50V	
							C909	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C438	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V		C920	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C439	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C921	1-126-940-11	ELECT	330uF	20%	25V	
C440	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V		C922	1-131-868-81	ELECT	3300uF	20%	16V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C990	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V		D918	8-719-081-97	DIODE MMDL914T1	
C991	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V		D919	8-719-049-38	DIODE 1N5404TU	
C992	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V		D921	6-500-522-01	DIODE 10EDB40-TA1B2	
C993	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V		D922	6-500-522-01	DIODE 10EDB40-TA1B2	
C994	1-115-340-11	CERAMIC CHIP 0.22uF 10% 25V				< FERRITE BEAD >	
		< CONNECTOR >		FB701	1-414-760-21	FERRITE, EMI (SMD) (1608)	
CN751	1-817-536-11	CONNECTOR, BOARD TO BOARD 28P		FB703	1-414-760-21	FERRITE, EMI (SMD) (1608)	
CNJ900	1-580-907-41	PLUG, CONNECTOR (BUS CONTROL IN)				< IC >	
CNP802	1-569-907-11	SOCKET, CONNECTOR 12P		IC100	6-705-359-02	IC TDA8588AJ/N2/R1	
CNP901	1-774-701-21	PIN, CONNECTOR 16P		IC401	6-707-303-01	IC TDA7419TR	
		< JACK >		IC801	6-805-004-01	IC MB90487APF-G-125-BNDE1	
CNP900	1-566-822-41	JACK (REMOTE IN)		IC802	8-759-659-13	IC PST3428UL	
		< DIODE >		IC803	6-705-373-01	IC MM3123DPLE	
D400	8-719-081-97	DIODE MMDL914T1		IC900	6-703-884-01	IC BA8271F-E2	
D600	8-719-036-94	DIODE RD5.6SB-T1				< JUMPER RESISTOR >	
D701	8-719-081-97	DIODE MMDL914T1		JR5	1-216-864-11	SHORT CHIP 0	
D702	8-719-081-97	DIODE MMDL914T1		JR6	1-216-864-11	SHORT CHIP 0	
D801	8-719-081-97	DIODE MMDL914T1		JR10	1-414-227-11	INDUCTOR, FERRITE BEAD	
D803	8-719-056-83	DIODE UDZ-TE-17-6.8B				< COIL >	
D804	8-719-058-24	DIODE RB501V-40TE-17		L400	1-414-398-11	INDUCTOR 10uH	
D805	8-719-058-24	DIODE RB501V-40TE-17		L700	1-410-509-11	INDUCTOR 10uH	
D806	8-719-058-24	DIODE RB501V-40TE-17		L701	1-410-501-11	INDUCTOR 2.2uH	
D808	8-719-056-83	DIODE UDZ-TE-17-6.8B		L703	1-216-296-11	SHORT CHIP 0	
D810	8-719-081-97	DIODE MMDL914T1		L900	1-456-617-11	COIL, CHOKE	
D811	8-719-109-97	DIODE RD6.8ESB2				< JACK >	
D812	8-719-109-97	DIODE RD6.8ESB2		PJ401	1-774-700-41	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT REAR/FRONT)	
D813	8-719-109-97	DIODE RD6.8ESB2		PJ601	1-815-185-13	JACK (ANTENNA)	
D814	8-719-109-97	DIODE RD6.8ESB2				< TRANSISTOR >	
D815	8-719-109-97	DIODE RD6.8ESB2		Q400	8-729-421-19	TRANSISTOR UN2213	
D816	8-719-109-97	DIODE RD6.8ESB2		Q401	8-729-424-08	TRANSISTOR UN2111	
D817	8-719-109-97	DIODE RD6.8ESB2		Q402	6-551-070-01	TRANSISTOR KRC283S-B-RPK/P	
D818	6-500-137-01	DIODE BAT54HT1		Q403	6-551-070-01	TRANSISTOR KRC283S-B-RPK/P	
D821	8-719-109-97	DIODE RD6.8ESB2		Q404	6-551-070-01	TRANSISTOR KRC283S-B-RPK/P	
D822	8-719-109-97	DIODE RD6.8ESB2		Q405	6-551-070-01	TRANSISTOR KRC283S-B-RPK/P	
D824	8-719-056-93	DIODE UDZ-TE-17-18B		Q406	6-551-070-01	TRANSISTOR KRC283S-B-RPK/P	
D825	8-719-056-93	DIODE UDZ-TE-17-18B		Q407	6-551-070-01	TRANSISTOR KRC283S-B-RPK/P	
D857	8-719-058-24	DIODE RB501V-40TE-17		Q601	8-729-920-85	TRANSISTOR 2SD1664-QR	
D858	8-719-058-24	DIODE RB501V-40TE-17		Q800	8-729-424-08	TRANSISTOR UN2111	
D901	8-719-056-93	DIODE UDZ-TE-17-18B		Q801	8-729-421-19	TRANSISTOR UN2213	
D902	8-719-053-18	DIODE 1SR154-400TE-25		Q802	8-729-424-08	TRANSISTOR UN2111	
D903	8-719-053-18	DIODE 1SR154-400TE-25		Q900	8-729-010-25	TRANSISTOR MSD601-RT1	
D904	6-500-522-01	DIODE 10EDB40-TA1B2		Q901	8-729-010-25	TRANSISTOR MSD601-RT1	
D905	6-500-522-01	DIODE 10EDB40-TA1B2		Q902	8-729-421-22	TRANSISTOR UN2211	
D906	6-500-522-01	DIODE 10EDB40-TA1B2		Q903	8-729-055-96	TRANSISTOR SRC1203SF	
D907	6-500-522-01	DIODE 10EDB40-TA1B2		Q904	8-729-055-92	TRANSISTOR SRA2203SF	
D908	6-500-522-01	DIODE 10EDB40-TA1B2		Q905	8-729-055-92	TRANSISTOR SRA2203SF	
D909	6-500-522-01	DIODE 10EDB40-TA1B2		Q912	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D910	8-719-058-24	DIODE RB501V-40TE-17				< RESISTOR >	
D911	8-719-056-93	DIODE UDZ-TE-17-18B		R101	1-216-841-11	METAL CHIP 47K 5% 1/10W	
D912	8-719-056-93	DIODE UDZ-TE-17-18B		R302	1-216-864-11	SHORT CHIP 0	
D913	8-719-056-93	DIODE UDZ-TE-17-18B					
D914	8-719-056-83	DIODE UDZ-TE-17-6.8B					
D915	8-719-056-82	DIODE UDZ-TE-17-6.2B					
D916	6-500-522-01	DIODE 10EDB40-TA1B2					
D917	6-500-522-01	DIODE 10EDB40-TA1B2					

CDX-F5510/F5510X/F5550EE

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R400	1-216-821-11	METAL CHIP	1K	5%	1/10W	R815	1-249-435-11	CARBON	33K	5%	1/4W
R401	1-216-821-11	METAL CHIP	1K	5%	1/10W	R816	1-216-821-11	METAL CHIP	1K	5%	1/10W
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W	R817	1-216-821-11	METAL CHIP	1K	5%	1/10W
R403	1-216-833-11	METAL CHIP	10K	5%	1/10W	R818	1-216-809-11	METAL CHIP	100	5%	1/10W
R404	1-216-809-11	METAL CHIP	100	5%	1/10W	R819	1-216-809-11	METAL CHIP	100	5%	1/10W
R405	1-216-809-11	METAL CHIP	100	5%	1/10W	R821	1-216-817-11	METAL CHIP	470	5%	1/10W
R406	1-216-809-11	METAL CHIP	100	5%	1/10W	R822	1-216-817-11	METAL CHIP	470	5%	1/10W
R407	1-216-809-11	METAL CHIP	100	5%	1/10W	R823	1-216-817-11	METAL CHIP	470	5%	1/10W
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W	R825	1-216-849-11	METAL CHIP	220K	5%	1/10W
R409	1-216-864-11	SHORT CHIP	0			R826	1-216-843-11	METAL CHIP	68K	5%	1/10W
R411	1-216-809-11	METAL CHIP	100	5%	1/10W	R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R412	1-216-809-11	METAL CHIP	100	5%	1/10W	R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R413	1-216-833-11	METAL CHIP	10K	5%	1/10W	R830	1-216-809-11	METAL CHIP	100	5%	1/10W
R414	1-216-809-11	METAL CHIP	100	5%	1/10W	R832	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R415	1-216-809-11	METAL CHIP	100	5%	1/10W	R833	1-249-417-11	CARBON	1K	5%	1/4W
R416	1-216-809-11	METAL CHIP	100	5%	1/10W	R834	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R417	1-216-809-11	METAL CHIP	100	5%	1/10W	R844	1-216-845-11	METAL CHIP	100K	5%	1/10W
R418	1-216-833-11	METAL CHIP	10K	5%	1/10W	R846	1-216-845-11	METAL CHIP	100K	5%	1/10W
R419	1-216-833-11	METAL CHIP	10K	5%	1/10W	R847	1-216-864-11	SHORT CHIP	0		
R420	1-216-833-11	METAL CHIP	10K	5%	1/10W	R848	1-216-845-11	METAL CHIP	100K	5%	1/10W
R421	1-216-833-11	METAL CHIP	10K	5%	1/10W	R849	1-216-841-11	METAL CHIP	47K	5%	1/10W
R424	1-216-805-11	METAL CHIP	47	5%	1/10W	R850	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R425	1-216-833-11	METAL CHIP	10K	5%	1/10W	R852	1-216-864-11	SHORT CHIP	0		
R426	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R853	1-216-864-11	SHORT CHIP	0		
R427	1-216-809-11	METAL CHIP	100	5%	1/10W	R855	1-216-821-11	METAL CHIP	1K	5%	1/10W
R428	1-216-833-11	METAL CHIP	10K	5%	1/10W	R856	1-216-841-11	METAL CHIP	47K	5%	1/10W
R429	1-247-807-31	CARBON	100	5%	1/4W	R857	1-216-809-11	METAL CHIP	100	5%	1/10W
R430	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R858	1-216-809-11	METAL CHIP	100	5%	1/10W
R431	1-247-807-31	CARBON	100	5%	1/4W	R859	1-216-809-11	METAL CHIP	100	5%	1/10W
R432	1-216-809-11	METAL CHIP	100	5%	1/10W	R860	1-216-845-11	METAL CHIP	100K	5%	1/10W
R435	1-216-809-11	METAL CHIP	100	5%	1/10W	R861	1-216-809-11	METAL CHIP	100	5%	1/10W
R436	1-216-809-11	METAL CHIP	100	5%	1/10W	R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R437	1-216-821-11	METAL CHIP	1K	5%	1/10W	R863	1-216-845-11	METAL CHIP	100K	5%	1/10W
R440	1-216-809-11	METAL CHIP	100	5%	1/10W	R864	1-216-833-11	METAL CHIP	10K	5%	1/10W
R441	1-216-809-11	METAL CHIP	100	5%	1/10W	R865	1-216-833-11	METAL CHIP	10K	5%	1/10W
R442	1-216-833-11	METAL CHIP	10K	5%	1/10W	R866	1-216-845-11	METAL CHIP	100K	5%	1/10W
R443	1-216-833-11	METAL CHIP	10K	5%	1/10W	R870	1-249-407-11	CARBON	150	5%	1/4W
R447	1-216-811-11	METAL CHIP	150	5%	1/10W	R871	1-249-407-11	CARBON	150	5%	1/4W
R448	1-216-841-11	METAL CHIP	47K	5%	1/10W	R872	1-216-029-00	RES-CHIP	150	5%	1/10W
R468	1-216-864-11	SHORT CHIP	0			R873	1-216-845-11	METAL CHIP	100K	5%	1/10W
R603	1-247-807-31	CARBON	100	5%	1/4W	R900	1-216-849-11	METAL CHIP	220K	5%	1/10W
R604	1-247-807-31	CARBON	100	5%	1/4W	R901	1-216-845-11	METAL CHIP	100K	5%	1/10W
R606	1-216-809-11	METAL CHIP	100	5%	1/10W	R902	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R607	1-216-809-11	METAL CHIP	100	5%	1/10W	R903	1-216-841-11	METAL CHIP	47K	5%	1/10W
R608	1-216-809-11	METAL CHIP	100	5%	1/10W	R904	1-216-841-11	METAL CHIP	47K	5%	1/10W
R614	1-469-144-21	FERRITE, EMI (SMD) (2012)				R905	1-216-833-11	METAL CHIP	10K	5%	1/10W
R615	1-216-821-11	METAL CHIP	1K	5%	1/10W	R907	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-809-11	METAL CHIP	100	5%	1/10W	R908	1-216-809-11	METAL CHIP	100	5%	1/10W
R708	1-216-864-11	SHORT CHIP	0			R909	1-216-809-11	METAL CHIP	100	5%	1/10W
R722	1-216-809-11	METAL CHIP	100	5%	1/10W	R910	1-216-809-11	METAL CHIP	100	5%	1/10W
R801	1-216-809-11	METAL CHIP	100	5%	1/10W	R911	1-216-864-11	SHORT CHIP	0		
R804	1-216-809-11	METAL CHIP	100	5%	1/10W	R912	1-249-417-11	CARBON	1K	5%	1/4W
R805	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R913	1-216-821-11	METAL CHIP	1K	5%	1/10W
R806	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R914	1-469-144-21	FERRITE, EMI (SMD) (2012)			
R808	1-216-845-11	METAL CHIP	100K	5%	1/10W	R915	1-469-144-21	FERRITE, EMI (SMD) (2012)			
R809	1-216-841-11	METAL CHIP	47K	5%	1/10W	R917	1-249-431-11	CARBON	15K	5%	1/4W
R813	1-216-845-11	METAL CHIP	100K	5%	1/10W	R919	1-216-809-11	METAL CHIP	100	5%	1/10W
R814	1-216-845-11	METAL CHIP	100K	5%	1/10W	R920	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R921	1-216-809-11	METAL CHIP	100	5%	1/10W
R925	1-216-845-11	METAL CHIP	100K	5%	1/10W
R926	1-216-849-11	METAL CHIP	220K	5%	1/10W
R927	1-216-833-11	METAL CHIP	10K	5%	1/10W
R929	1-216-821-11	METAL CHIP	1K	5%	1/10W
R930	1-216-821-11	METAL CHIP	1K	5%	1/10W
R931	1-216-073-00	RES-CHIP	10K	5%	1/10W
R932	1-216-073-00	RES-CHIP	10K	5%	1/10W
R935	1-216-841-11	METAL CHIP	47K	5%	1/10W
R936	1-216-864-11	SHORT CHIP	0		
R938	1-216-073-00	RES-CHIP	10K	5%	1/10W
R939	1-216-073-00	RES-CHIP	10K	5%	1/10W
R940	1-216-845-11	METAL CHIP	100K	5%	1/10W
R941	1-216-837-11	METAL CHIP	22K	5%	1/10W
< SWITCH >					
S801	1-786-458-11	SWITCH, PUSH (1 KEY) (NOSE DET)			
S802	1-692-431-21	SWITCH, TACTILE (RESET)			
< THERMISTOR (POSITIVE) >					
TH900	1-801-792-21	THERMISTOR, POSITIVE			
< TUNER UNIT >					
TUX601	A-3220-961-B	TUNER UNIT (TUX-032)			
< VIBRATOR >					
X800	1-813-524-21	VIBRATOR, CERAMIC (18.432MHz)			
X801	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)			

RELAY BOARD					

< CAPACITOR >					
C971	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C972	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C973	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C974	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< CONNECTOR >					
CNP902	1-817-159-11	SOCKET, CONNECTOR 14P			
< DIODE >					
LED930	6-500-511-01	LED CL-270PG-C-TS (DOOR IND)			
LED931	6-500-510-01	LED CL-195PG-CD-T (▲)			
< RESISTOR >					
R931	1-216-817-11	METAL CHIP	470	5%	1/10W
< SWITCH >					
S931	1-771-884-31	SWITCH, TACTILE (▲)			

Ref. No.	Part No.	Description	Remark		
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-1082-772-A		SERVO BOARD, COMPLETE			

< CAPACITOR >					
C4	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C5	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C9	1-104-609-11	ELECT CHIP	100uF	20%	4V
C10	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C13	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C16	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C17	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C18	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C19	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C20	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C21	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C22	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C23	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C24	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C27	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C28	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C29	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C31	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C32	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C33	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C34	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C35	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C36	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C37	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C38	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C39	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C40	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C41	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C42	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C43	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C45	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C47	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C48	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C49	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C51	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C52	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C53	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C57	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C58	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C59	1-126-208-21	ELECT CHIP	47uF	20%	4V
C60	1-112-195-11	ELECT	47uF	20%	4V
C61	1-126-208-21	ELECT CHIP	47uF	20%	4V
C62	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C64	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V

CDX-F5510/F5510X/F5550EE

SERVO

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C65	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V		R48	1-218-941-81	RES-CHIP	100	5%	1/16W	
C67	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V		R49	1-218-941-81	RES-CHIP	100	5%	1/16W	
C72	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V		R50	1-218-941-81	RES-CHIP	100	5%	1/16W	
C80	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V		R51	1-218-941-81	RES-CHIP	100	5%	1/16W	
C101	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V		R52	1-218-945-11	RES-CHIP	220	5%	1/16W	
C102	1-162-962-11	CERAMIC CHIP	470PF	10%	50V		R53	1-218-941-81	RES-CHIP	100	5%	1/16W	
C103	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V		R54	1-218-941-81	RES-CHIP	100	5%	1/16W	
C105	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		R55	1-218-977-11	RES-CHIP	100K	5%	1/16W	
C106	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		R56	1-218-941-81	RES-CHIP	100	5%	1/16W	
		< CONNECTOR >					R57	1-218-941-81	RES-CHIP	100	5%	1/16W	
CN1	1-691-380-61	CONNECTOR, FFC/FPC (ZIF) 16P					R58	1-218-941-81	RES-CHIP	100	5%	1/16W	
CN2	1-817-275-21	CONNECTOR, BOARD TO BOARD 28P					R59	1-218-977-11	RES-CHIP	100K	5%	1/16W	
		< JUMPER RESISTOR >					R60	1-218-977-11	RES-CHIP	100K	5%	1/16W	
							R61	1-218-977-11	RES-CHIP	100K	5%	1/16W	
							R62	1-218-977-11	RES-CHIP	100K	5%	1/16W	
FB4	1-216-864-11	SHORT CHIP	0				R63	1-218-977-11	RES-CHIP	100K	5%	1/16W	
		< IC >					R64	1-218-977-11	RES-CHIP	100K	5%	1/16W	
IC1	6-707-327-01	IC BA5968FP-E2					R65	1-218-941-81	RES-CHIP	100	5%	1/16W	
IC2	6-707-328-01	IC TC94A60MFG-301					R66	1-218-941-81	RES-CHIP	100	5%	1/16W	
IC3	6-805-086-02	IC MB90487APFV-G-142-BNDE1					R67	1-218-941-81	RES-CHIP	100	5%	1/16W	
IC6	6-705-364-01	IC R1114N151D-TR-FA					R68	1-218-941-81	RES-CHIP	100	5%	1/16W	
		< TRANSISTOR >					R69	1-218-941-81	RES-CHIP	100	5%	1/16W	
Q1	8-729-904-87	TRANSISTOR 2SB1197K-R					R70	1-218-941-81	RES-CHIP	100	5%	1/16W	
Q2	8-729-904-87	TRANSISTOR 2SB1197K-R					R71	1-220-804-11	RES-CHIP	2.2M	5%	1/16W	
Q3	8-729-928-90	TRANSISTOR DTC114EE					R72	1-218-941-81	RES-CHIP	100	5%	1/16W	
		< RESISTOR >					R73	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R1	1-218-941-81	RES-CHIP	100	5%	1/16W		R74	1-218-941-81	RES-CHIP	100	5%	1/16W	
R2	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W		R77	1-218-941-81	RES-CHIP	100	5%	1/16W	
R3	1-208-912-11	METAL CHIP	11K	0.5%	1/16W		R78	1-218-941-81	RES-CHIP	100	5%	1/16W	
R4	1-218-969-11	RES-CHIP	22K	5%	1/16W		R80	1-218-941-81	RES-CHIP	100	5%	1/16W	
R5	1-218-969-11	RES-CHIP	22K	5%	1/16W		R81	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R6	1-218-929-11	RES-CHIP	10	5%	1/16W		R82	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R7	1-218-929-11	RES-CHIP	10	5%	1/16W		R83	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R8	1-218-967-11	RES-CHIP	15K	5%	1/16W		R84	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R9	1-218-967-11	RES-CHIP	15K	5%	1/16W		R86	1-218-969-11	RES-CHIP	22K	5%	1/16W	
R10	1-218-965-11	RES-CHIP	10K	5%	1/16W		R90	1-218-941-81	RES-CHIP	100	5%	1/16W	
R11	1-218-965-11	RES-CHIP	10K	5%	1/16W		R91	1-218-941-81	RES-CHIP	100	5%	1/16W	
R12	1-218-977-11	RES-CHIP	100K	5%	1/16W		R100	1-220-200-81	RES-CHIP	30K	5%	1/16W	
R13	1-218-969-11	RES-CHIP	22K	5%	1/16W		R101	1-218-971-11	RES-CHIP	33K	5%	1/16W	
R16	1-218-967-11	RES-CHIP	15K	5%	1/16W		R112	1-218-990-81	SHORT CHIP	0			
R17	1-218-973-11	RES-CHIP	47K	5%	1/16W		R113	1-218-990-81	SHORT CHIP	0			
R19	1-218-967-11	RES-CHIP	15K	5%	1/16W		R116	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R21	1-218-973-11	RES-CHIP	47K	5%	1/16W		R117	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R23	1-218-979-11	RES-CHIP	150K	5%	1/16W		R118	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R24	1-218-962-11	RES-CHIP	5.6K	5%	1/16W		R119	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R26	1-218-941-81	RES-CHIP	100	5%	1/16W		R125	1-218-941-81	RES-CHIP	100	5%	1/16W	
R28	1-218-947-11	RES-CHIP	330	5%	1/16W		R126	1-218-941-81	RES-CHIP	100	5%	1/16W	
R40	1-218-941-81	RES-CHIP	100	5%	1/16W		R127	1-218-941-81	RES-CHIP	100	5%	1/16W	
R41	1-218-977-11	RES-CHIP	100K	5%	1/16W		R128	1-218-941-81	RES-CHIP	100	5%	1/16W	
R42	1-218-977-11	RES-CHIP	100K	5%	1/16W		R131	1-216-864-11	SHORT CHIP	0			
R43	1-218-941-81	RES-CHIP	100	5%	1/16W		R132	1-218-962-11	RES-CHIP	5.6K	5%	1/16W	
R44	1-218-941-81	RES-CHIP	100	5%	1/16W			< SWITCH >					
R45	1-218-989-11	RES-CHIP	1M	5%	1/16W		SW1	1-529-565-61	SWITCH, PUSH (1 KEY) (DOWN)				
R46	1-218-947-11	RES-CHIP	330	5%	1/16W			< VIBRATOR >					
R47	1-218-977-11	RES-CHIP	100K	5%	1/16W		X1	1-813-371-21	VIBRATOR, CERAMIC (12MHZ)				

Ref. No.	Part No.	Description	Remark
----------	----------	-------------	--------

X2	1-795-561-21	VIBRATOR, CERAMIC (16.9344MHz)	
----	--------------	--------------------------------	--

MISCELLANEOUS

2	1-792-173-11	CABLE, FLAT (FFC) 12P	
11	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	
△ 153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-645-A	CHASSIS (OP) SUB ASSY (including M901)	
F900	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	

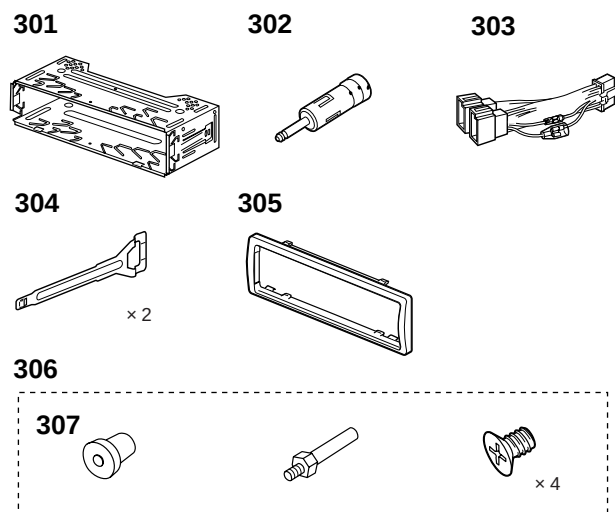
M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
M903	A-1166-300-A	MOTOR ASSY (B), LE (LOADING)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	

ACCESSORIES

1-479-077-13	REMOTE COMMANDER (RM-X151)	
2-515-314-61	MANUAL, INSTRUCTION (ENGLISH, RUSSIAN)	
2-515-317-61	MANUAL, INSTRUCTION, INSTALL (ENGLISH, RUSSIAN)	
2-548-729-01	LID, BATTERY CASE (for RM-X151)	
X-3378-390-3	CASE (PANEL) ASSY (for FRONT PANEL)	

PARTS FOR INSTALLATION AND CONNECTIONS

301	X-3382-647-1	FRAME ASSY, FITTING
302	1-465-459-31	ADAPTOR, ANTENNA
303	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)
304	3-246-471-01	KEY (FRAME)
305	3-261-758-01	COLLAR
306	X-3381-154-1	SCREW ASSY (BS4), FITTING
307	3-349-410-11	BUSHING



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.

[illegible]