

# CDX-GT30W/GT300/GT300EE/ GT300S/GT350/GT350S

## SERVICE MANUAL

Ver. 1.0 2005.09



**US Model**

CDX-GT30W/GT300

**Canadian Model**

CDX-GT300/GT350S

**AEP Model**

**UK Model**

CDX-GT300/GT300S

**E Model**

CDX-GT350/GT350S

**Chinese Model**

CDX-GT350S

**East European Model**

CDX-GT300EE

- 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-611WA-186//Q
Optical Pick-up Name	KSS1000E

### SPECIFICATIONS

#### CD player section

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

#### Tuner section

##### FM

Tuning range	87.5 – 108.0 MHz (AEP, UK model) 87.5 – 107.9 MHz (US, CND model) FM1/FM2: 87.5 – 108.0 MHz (at 50 kHz step) (EE model) FM3: 65 – 74 MHz (at 30 kHz step) (EE model) 87.5 – 108 MHz (at 50 kHz step) (E, CH, MX model) 87.5 – 107.9 MHz (at 200 kHz step) (E, CH, MX model)
FM tuning interval	50 kHz/200 kHz switchable (E, CH, MX model)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	9 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	67 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz	0.5% (stereo), 0.3% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

#### MW/LW (AEP, UK model)

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

#### AM (Except AEP, UK model)

Tuning range	531 – 1,602 kHz (EE model) 530 – 1,710 kHz (US, CND model) 531 – 1,602 kHz (at 9 kHz step) (E, CH, MX model) 530 – 1,710 kHz (at 10 kHz step) (E, CH, MX model)
AM tuning interval	9 kHz/10 kHz switchable (E, CH, MX model)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 µV

– Continued on next page –

**FM/AM COMPACT DISC PLAYER**  
**CDX-GT30W/GT300: US, CND/GT300EE/GT350/GT350S**

**FM/MW/LW COMPACT DISC PLAYER**  
**CDX-GT300: AEP, UK/GT300S**

**Power amplifier section**

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

**General**

Outputs Audio outputs terminal  
 (front, sub/rear switchable)  
 Power antenna relay control terminal  
 Power amplifier control terminal  
 Telephone ATT control terminal  
 Illumination control terminal  
 BUS control input terminal  
 BUS audio input terminal  
 Remote controller input terminal  
 Antenna input terminal  
 AUX input jack (stereo mini jack)  
 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 × 181 mm  
 (7 1/8 × 2 × 7 1/4 in.) (w/h/d)  
 Mounting dimensions Approx. 182 × 53 × 162 mm  
 (7 1/4 × 2 1/8 × 6 1/2 in.) (w/h/d)  
 Mass Approx. 1.2 kg (2 lb. 11 oz.)  
 Supplied accessories Parts for installation and connections (1 set)  
 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.*

- Abbreviation

CND : Canadian model  
 EE : East European model  
 CH : Chinese model  
 MX : Mexican model

**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.

**SAFETY-RELATED COMPONENT WARNING!!**

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

**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)

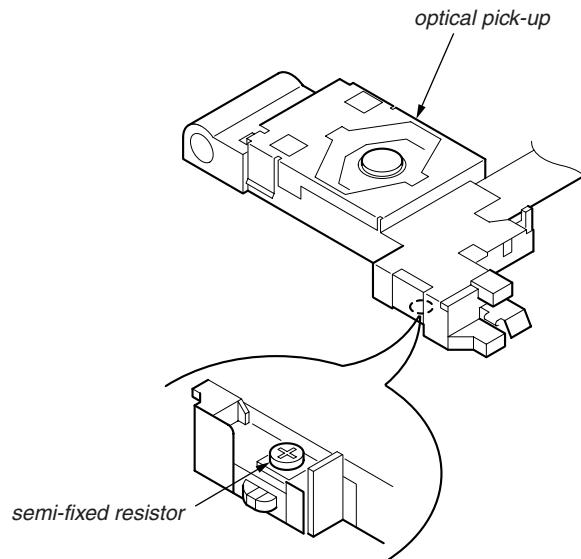
CD-RW test disc TCD-W082L (Part No. J-2502-063-2)

**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.

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!**

**LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ▲ 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.**

- Except US, CND model

**CLASS 1  
LASER PRODUCT**

This label is located on the bottom of the chassis.

- CD Playback:

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

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

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

### ● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

 : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350°C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

- Strong viscosity

Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

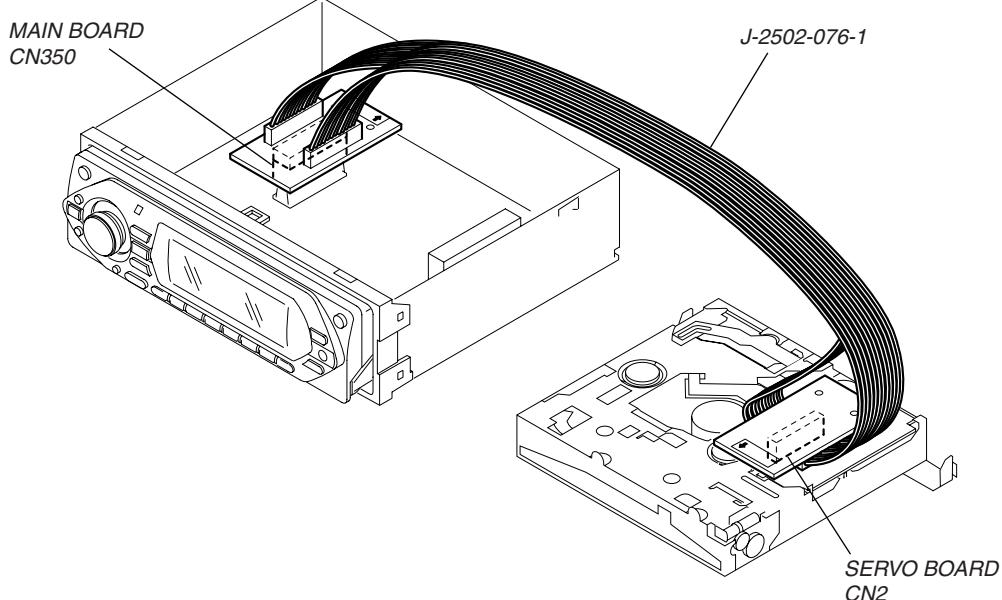
- Usable with ordinary solder

It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

### EXTENSION CABLE AND SERVICE POSITION

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

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



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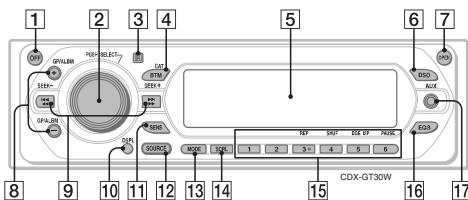
# SECTION 1

## GENERAL

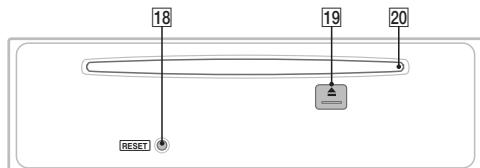
### • LOCATION OF CONTROL (CDX-GT30W)

#### Location of controls and basic operations

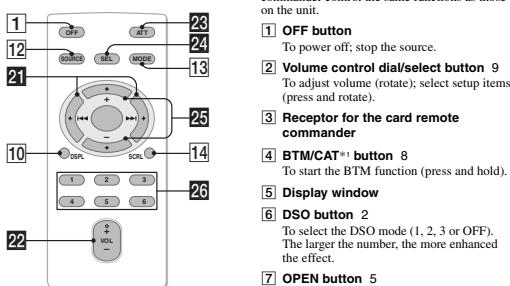
##### Main unit



##### Front panel removed



##### Card remote commander RM-X151



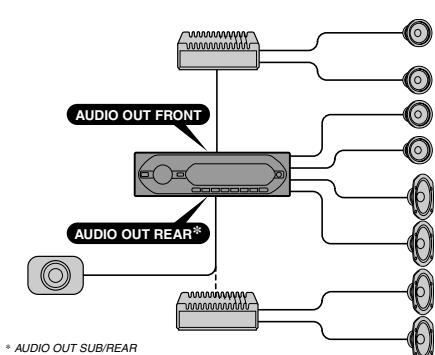
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### • CONNECTIONS (CDX-GT30W)

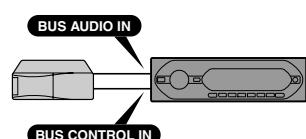
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A

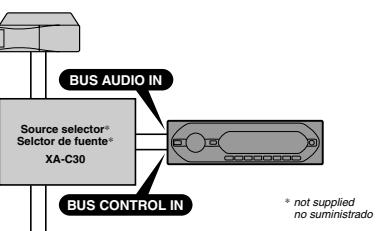


\* AUDIO OUT SUB/REAR

B a



b



#### 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-a)

For connecting two or more CD/MD changers, the source selector XA-C30 (not supplied) is necessary.

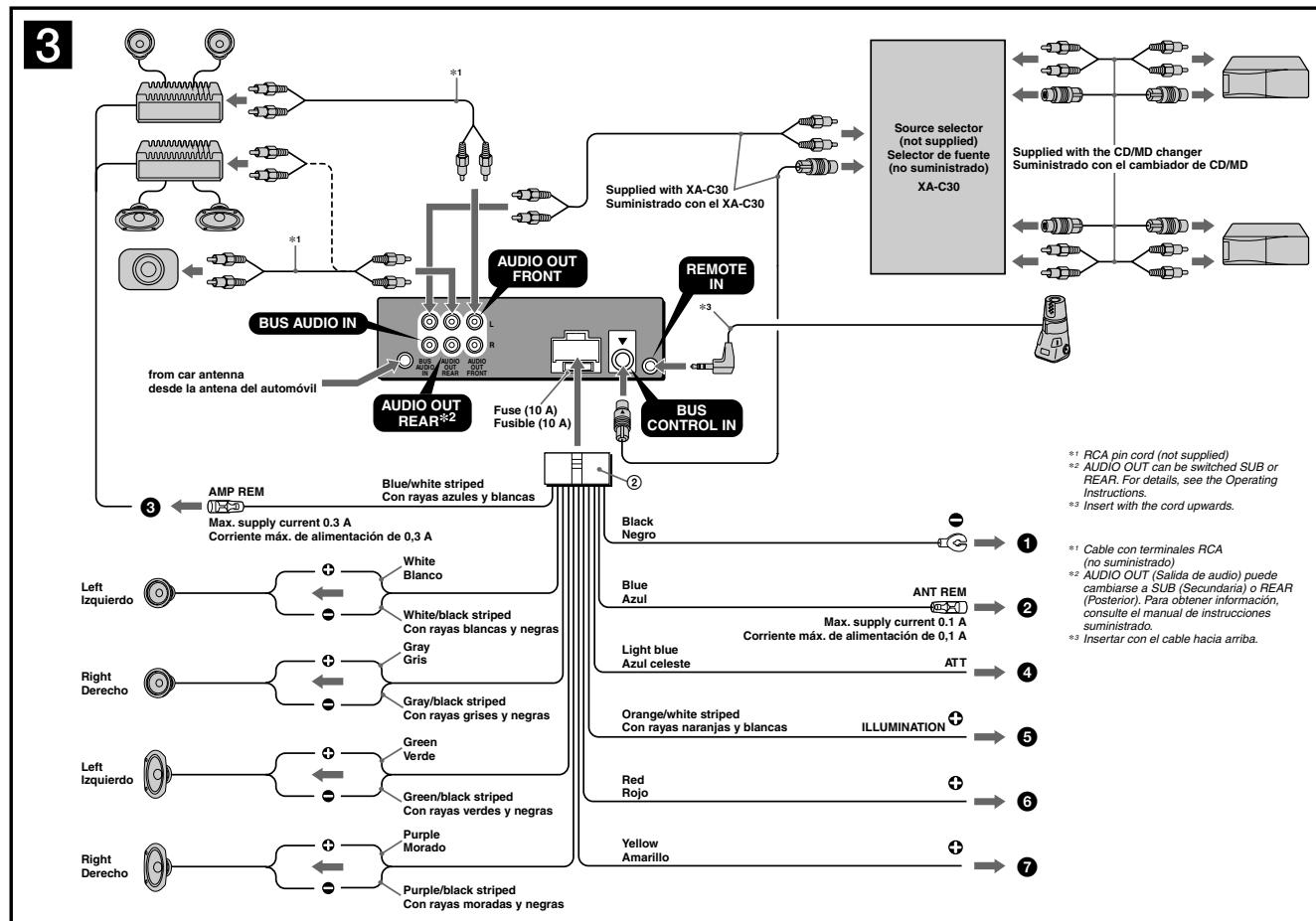
#### Ejemplo de conexiones 2

##### 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-b)

Si desea conectar dos o más cambiadores de CD/MD, necesitará el selector de fuente XA-C30 (no suministrado).

**Connection diagram [3]****① To a metal surface of the car****② To the power antenna control lead or power supply lead of antenna 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****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**

**Notas**

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

**③ A AMP REMOTE IN de un amplificador de potencia opcional**

Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.

**④ Al cable de interfaz de un teléfono para automóvil**

**⑤ A una señal de iluminación del automóvil**

Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica 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**

**Notas**

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

**⑦ Al terminal de alimentación de +12 V que recibe energía sin interrupción**

Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.

**Notas sobre los cables de control y de fuente de alimentación**

- \* El cable de control de la antena motorizada (azul) suministrado debe conectarse a la antena motorizada del automóvil.
- \* Si el automóvil dispone de una antena de FM/AM incorporada en el cristal trasero o lateral, conecte el cable de control de antena motorizada (azul) o el cable de entrada de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener más información, consulte a su 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 el interruptor de encendido.

**Notas sobre la conexión de los altavoces**

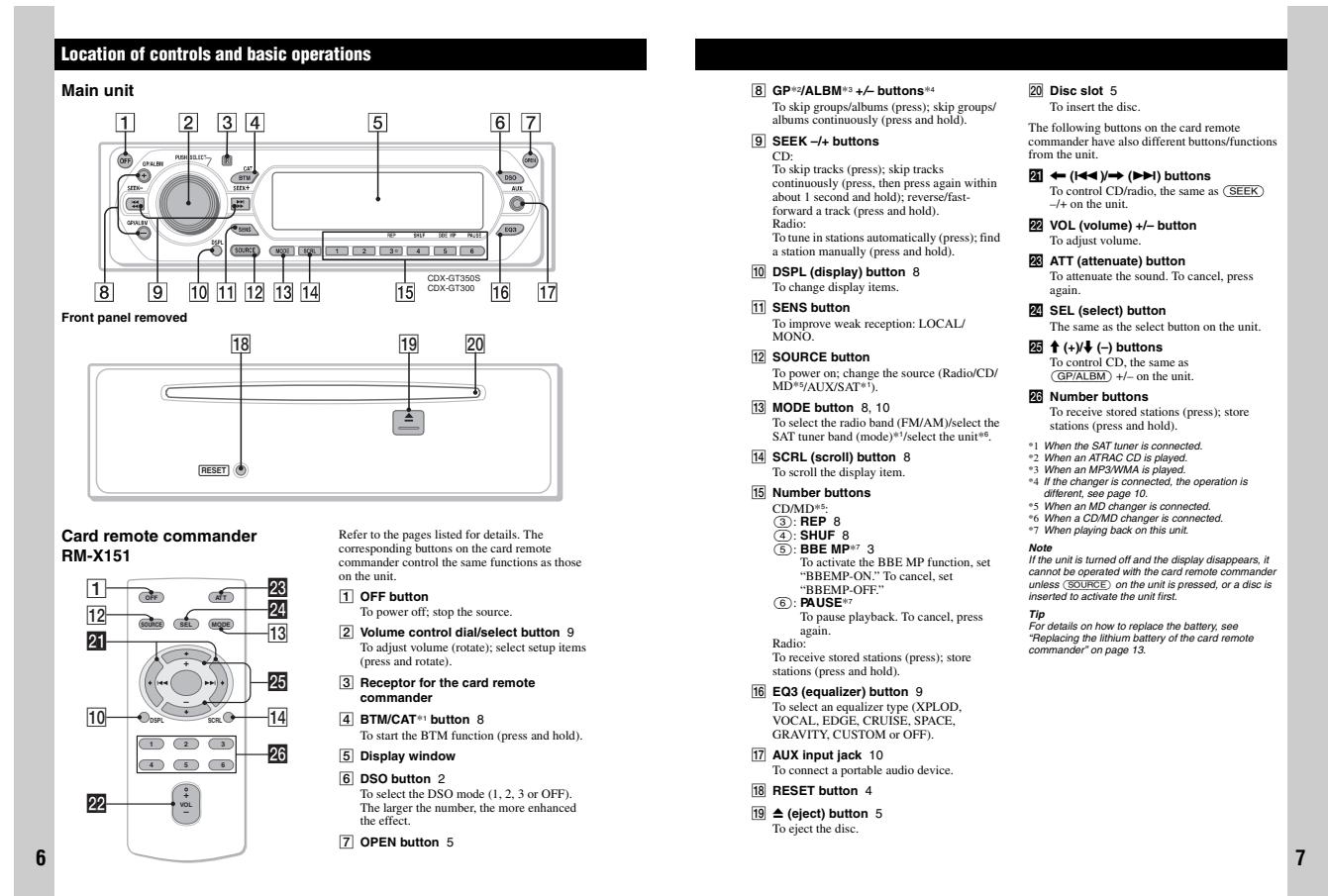
- \* Antes de conectar los altavoces, desconecte la alimentación del sistema.
- \* Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.
- \* No conecte los terminales de altavoz al chasis del automóvil, ni conecte los terminales del altavoz derecho 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 salida, puede dañarlos.
- \* 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**

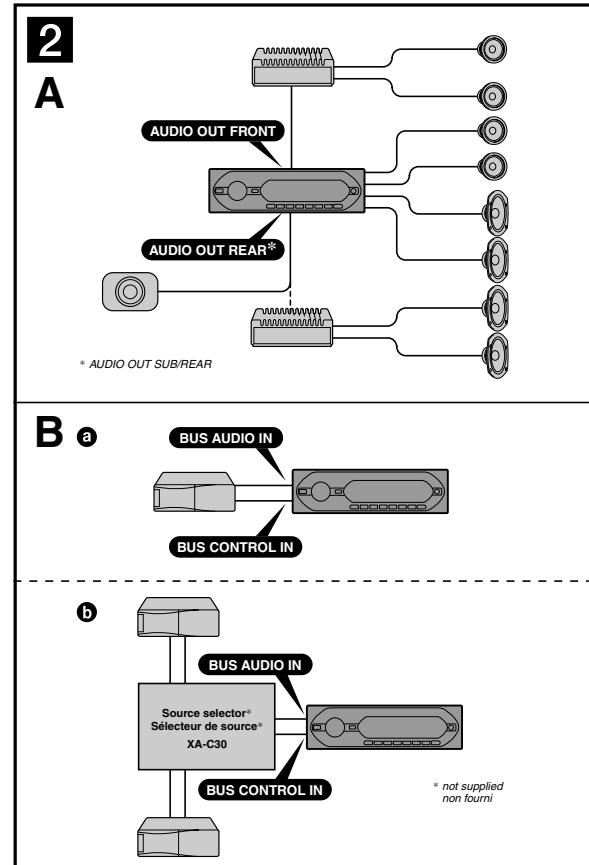
Si el altavoz y el amplificador no están conectados correctamente, aparecerá "FAILURE" en la pantalla. Si es así, compruebe la conexión de ambos dispositivos.

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## • LOCATION OF CONTROL (CDX-GT300/GT350S) (US, CND model)



## • CONNECTIONS (CDX-GT300/GT350S) (US, CND model)



## 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-a)

For connecting two or more CD/MD changers, the source selector XA-C30 (not supplied) is necessary.

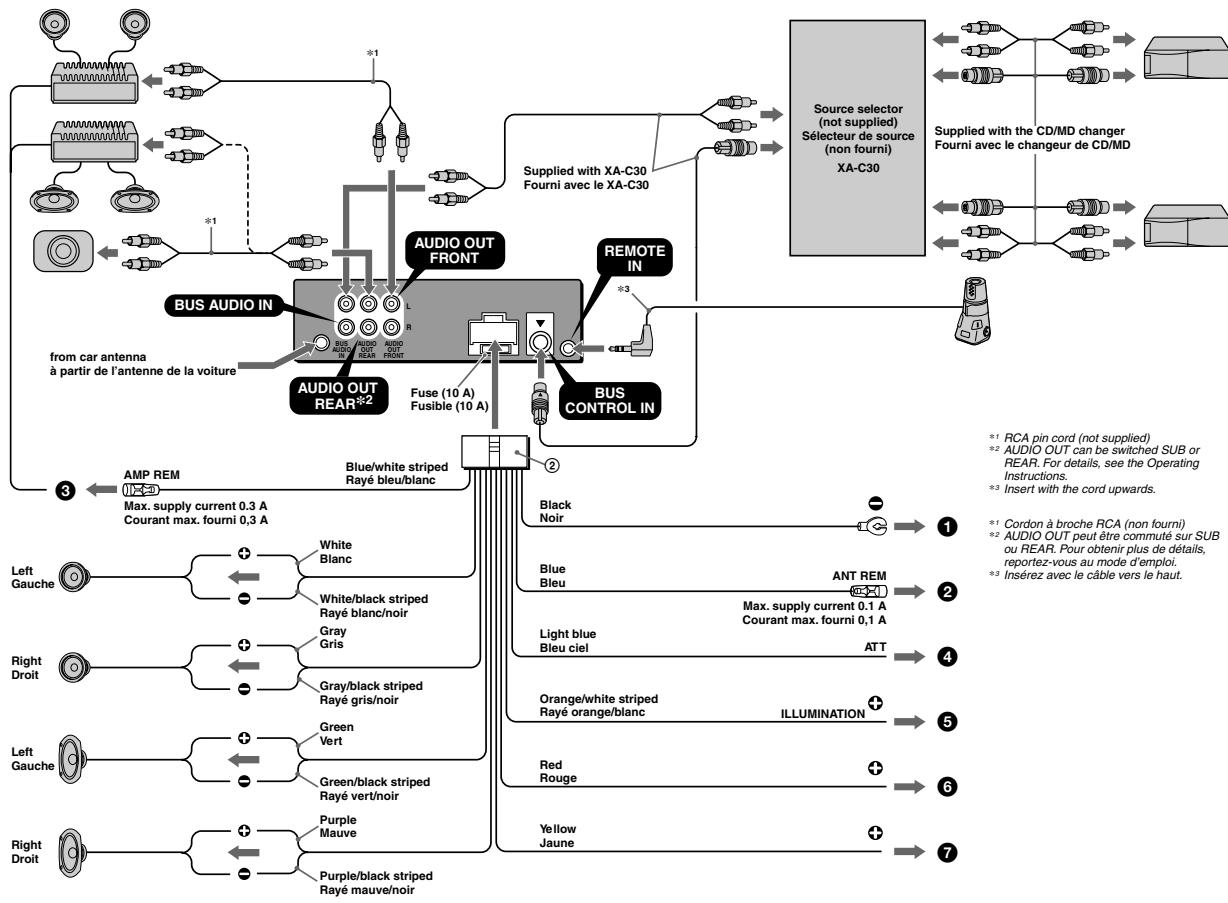
## Exemple de raccordement 2

### 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-b)

Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (non fourni) est requis.

**3****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 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.

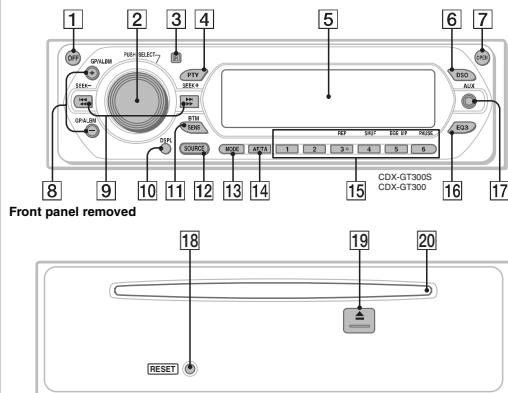
**Schéma de raccordement [3]**

- À un point métallique de la voiture**  
Branchez d'abord la 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/laterale, 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 raccordée avec cet appareil.
- Raccordement pour la conservation de la mémoire**  
Lorsque le câble d'entrée d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.
- Remarques sur le raccordement des haut-parleurs**
  - Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
  - Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.
  - Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes des haut-parleurs droit à celles du haut-parleur gauche.
  - Ne raccordez pas le câble de mise à la masse à la masse de cet appareil à la borne négative (-) du haut-parleur droit.
  - N'assoyez 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.

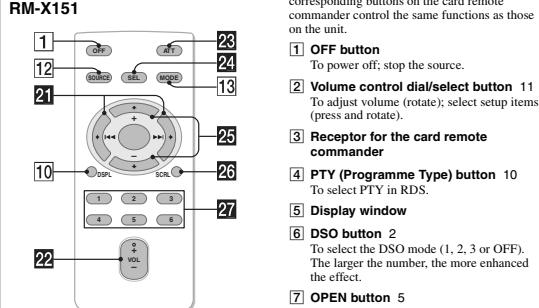
## • LOCATION OF CONTROL (CDX-GT300/GT300S) (AEP, UK model)

### Location of controls and basic operations

#### Main unit



#### Card remote commander RM-X151

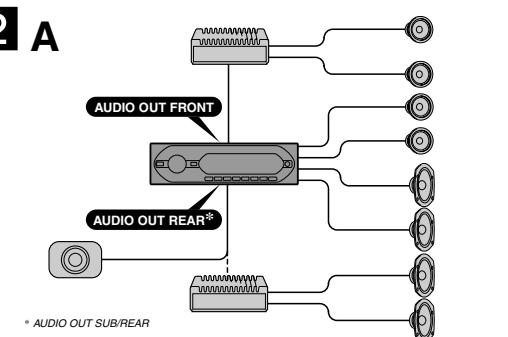


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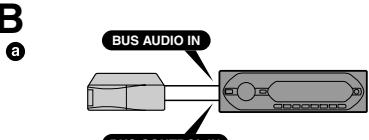
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## • CONNECTIONS (CDX-GT300/GT300S) (AEP, UK model)

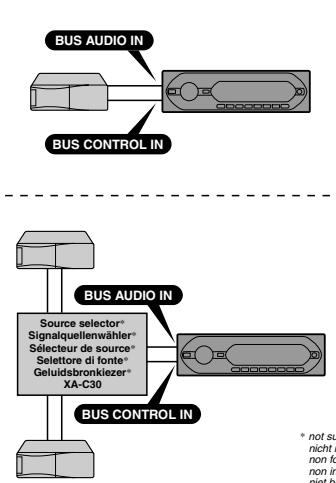
### 2 A



### B



### b



#### 8 GP\*/ALBM\*<sup>2</sup> +/- buttons\*<sup>3</sup>

To skip groups/albums (press); skip groups/albums continuously (press and hold).

#### 9 SEEK +/- buttons

CD:  
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).

Radio:  
To tune in stations automatically (press); find a station manually (press and hold).

#### 10 DSP (display) button 8

To change display items.

#### 11 SENS/BTM button 8

To improve weak reception: LOCAL/MONO (press); start the BTM function (press and hold).

#### 12 SOURCE button

To power on; change the source (Radio/CD/ MD\*<sup>4</sup>/AUX).

#### 13 MODE button 8, 12

To select the radio band (FM/MW/LW)/ select the unit\*<sup>5</sup>.

#### 14 AF (Alternative Frequencies)/TA (Traffic Announcement) button 9

To set AF and TA/TP in RDS.

#### 15 Number buttons

CD/MD\*<sup>4</sup>:

(3): REP 8

(4): SHUF 8

(5): BBE MP\*<sup>6</sup> 3

To activate the BBE MP function, set "BBE-MP-ON." To cancel, set "BBE-MP-OFF."

(6): PAUSE\*<sup>6</sup>

To pause playback. To cancel, press again.  
Radio:  
To receive stored stations (press); store stations (press and hold).

#### 16 EQ3 (equalizer) button 11

To select an equalizer type (XPLOR, VOCAL, EDGE, CRUISE, SPACE, GRAVITY, CUSTOM or OFF).

#### 17 AUX input jack 12

To connect a portable audio device.

#### 18 RESET button 4

To eject the disc.

#### 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 CD/radio, the same as SEEK → on the unit.

#### 22 VOL (volume) +/- button

To adjust volume.

#### 23 ATT (attenuate) button

To attenuate the sound. To cancel, press again.

#### 24 SEL (select) button

The same as the select button on the unit.

#### 25 ↑ (+) / ↓ (-) buttons

To control CD, the same as (GP/ALBM) +/- on the unit.

#### 26 SCR (scroll) button 8

To scroll the display item.

#### 27 Number buttons

To receive stored stations (press); store stations (press and hold).

\*1 When an ATRAC CD is played.

\*2 When an MP3/WMA is played.

\*3 If the unit is turned off, the operation is different, see page 13.

\*4 When an MD changer is connected.

\*5 When a CD/MD changer is connected.

\*6 When playing back on this unit.

#### 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.

### 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.

#### Tipp (2-B-①)

For connecting two or more CD/MD changers, the source selector XA-C30 (not supplied) is necessary.

### Anschlussbeispiel [2]

#### Hinweise (2-A)

- Schließen Sie unbedingt zuerst das Massekabel an, bevor Sie den Verstärker anschließen.
- Der Warnton wird nur ausgegeben, wenn der integrierte Verstärker verwendet wird.

#### Tipp (2-B-①)

Zum Anschließen von zwei oder mehr CD/MD-Wechslern wird der Signalquellenwähler XA-C30 (nicht mitgeliefert) benötigt.

### Exemple de raccordement [2]

#### Remarques (2-A)

- Raccordez d'abord le câble de mise à la masse avant de connecter l'amplificateur.
- L'alarme est émise uniquement lorsque l'amplificateur intégré est utilisé.

#### Conseil (2-B-①)

Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (non fourni) est indispensable.

### Esempio di collegamento [2]

#### Note (2-A)

- Assicurarsi di collegare il cavo di terra prima di collegare l'apparecchio all'amplificatore.
- L'allarme viene emesso solo se è in uso l'amplificatore incorporato.

#### Suggerimento (2-B-①)

Per collegare due o più cambi CD/MD, occorre utilizzare il selettori di fonte XA-C30 (non in dotazione).

### Voorbeeldaansluitingen [2]

#### Opmerkingen (2-A)

- Sluit eerst de aardraad aan voordat u de versterker aansluit.
- U hoort de piepton alleen als de ingebouwde versterker wordt gebruikt.

#### Tip (2-B-①)

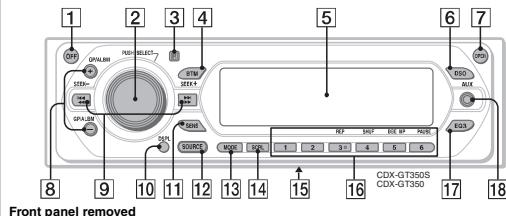
Om te kunnen sluiten van twee of meer CD/MD-wisselaars aan de sluiting, moet u de geluidsbronkeizer XA-C30 (niet bijgeleverd) gebruiken.



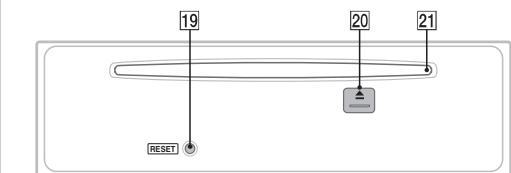
## • LOCATION OF CONTROL (CDX-GT350/GT350S) (E, CH, MX model)

### Location of controls and basic operations

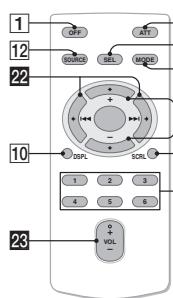
#### Main unit



Front panel removed



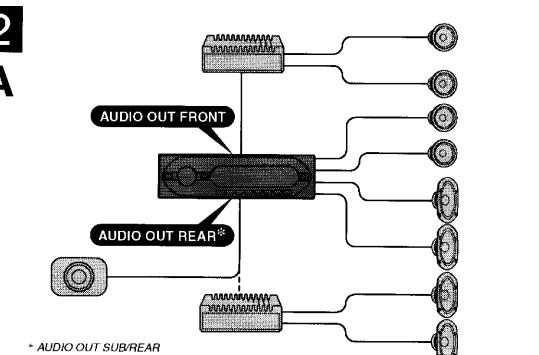
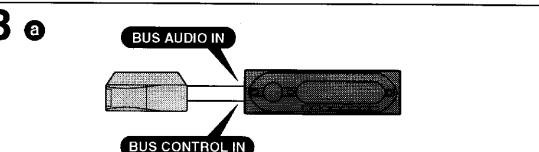
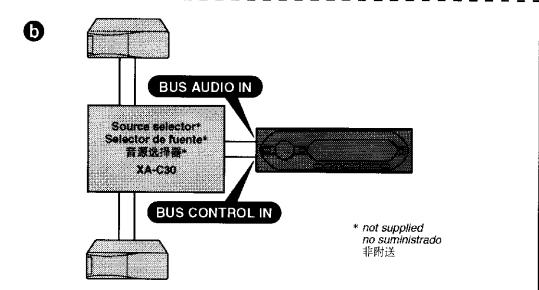
#### Card remote commander RM-X151



6

7

## • CONNECTIONS (CDX-GT350/GT350S) (E, CH, MX model)

**2**  
**A**

**B** a

**b**


#### ⑧ GP\*/ALBM<sup>#2</sup> +/- buttons<sup>#3</sup>

To skip groups/albums (press); skip groups/albums continuously (press and hold).

#### ⑨ SEEK +/- buttons

CD:  
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).

Radio:  
To tune in stations automatically (press); find a station manually (press and hold).

#### ⑩ DSP (display) button 8

To change display items.

#### ⑪ SENS button

To improve weak reception: LOCAL/MONO.

#### ⑫ SOURCE button

To power on; change the source (Radio/CD/MD\*/AUX).

#### ⑬ MODE button 8, 10

To select the radio band (FM/AM)/select the unit<sup>#4</sup>.

#### ⑭ SCR (scroll) button 8

To scroll the display item.

#### ⑮ Frequency select switch (located on the bottom of the unit)

See "Frequency Select switch" in the supplied installation/connections manual.

#### ⑯ Number buttons

CD/MD\*

①: REP 8

②: SHUF 8

⑤: BBE MP<sup>#6</sup> 2

To activate the BBE MP function, set "BBEMP-ON". To cancel, set "BBEMP-OFF".

⑥: PAUSE<sup>#6</sup>

To pause playback. To cancel, press again.

Radio:

To receive stored stations (press); store stations (press and hold).

#### ⑰ EQ3 (equalizer) button 9

To select an equalizer type (XPLOD, VOCAL, EDGE, CRUISE, SPACE, GRAVITY, CUSTOM or OFF).

#### ⑱ AUX input jack 10

To connect a portable audio device.

#### ⑲ RESET button 4

#### ⑳ ▲ (eject) button 5

To eject the disc.

#### ㉑ Disc slot 5

To insert the disc.

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

#### ㉒ ↵ (◀◀)/↵ (▶▶) buttons

To control CD/radio, the same as (SEEK).

#### ㉓ VOL (volume) +/- button

To adjust volume.

#### ㉔ ATT (attenuate) button

To attenuate the sound. To cancel, press again.

#### ㉕ SEL (select) button

The same as the select button on the unit.

#### ㉖ ↑ (+)/↓ (-) buttons

To control CD, the same as (GP/ALBM) +/- on the unit.

#### ㉗ Number buttons

To receive stored stations (press); store stations (press and hold).

\*1 When an ATRAC CD is played.

\*2 When an MP3/WMA is played.

\*3 If the unit is connected, the operation is different, see page 10.

\*4 When an MD changer is connected.

\*5 When a CD/MD changer is connected.

\*6 When playing back on this unit.

#### 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 13.

## 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-①)

For connecting two or more CD/MD changers, the source selector XA-C30 (not supplied) 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-①)

Si desea conectar dos o más cambiadores de CD/MD, necesitará el selector de fuente XA-C30 (no suministrado).

## 线路连接图例 **2**

#### 注 (2-A)

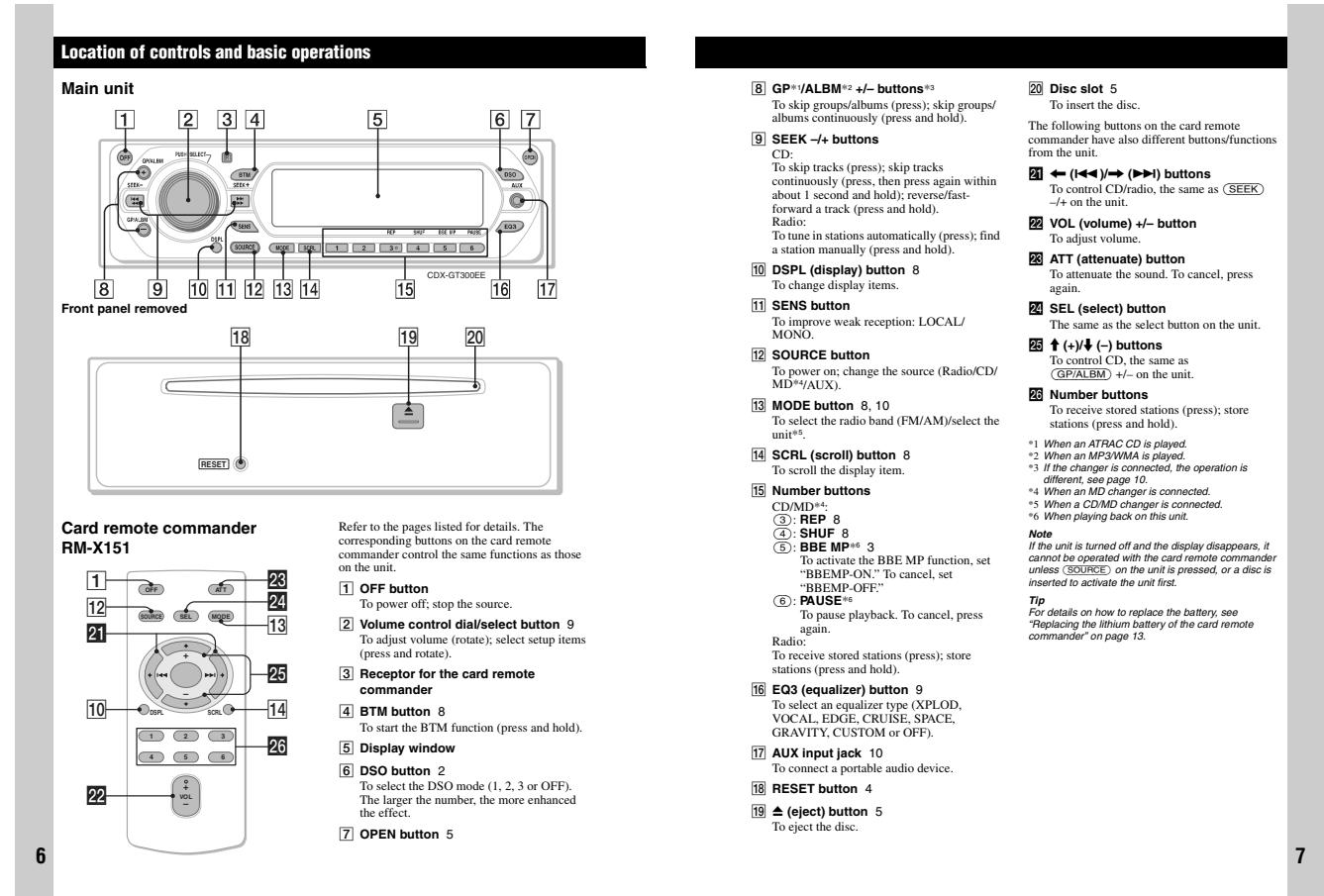
- 务必在连接放大器之前连接接地线。
- 只有在使用内置的放大器时，警报才会发出声响。

#### 提示 (2-B-①)

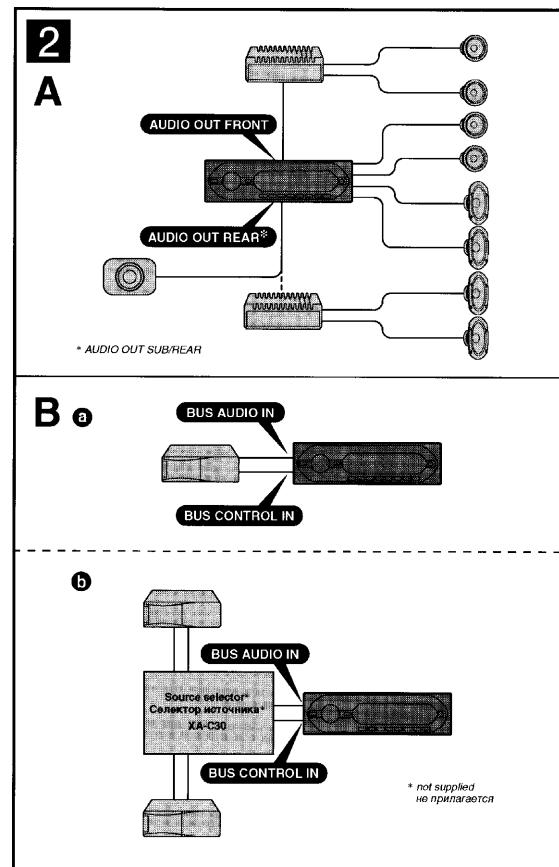
若要连接 2 台或更多 CD/MD 换碟机，必须使用音源选择器 XA-C30（非附送）。



## • LOCATION OF CONTROL (CDX-GT300EE)



## • CONNECTIONS (CDX-GT300EE)



## 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-a)

For connecting two or more CD/MD changers, the source selector XA-C30 (not supplied) is necessary.

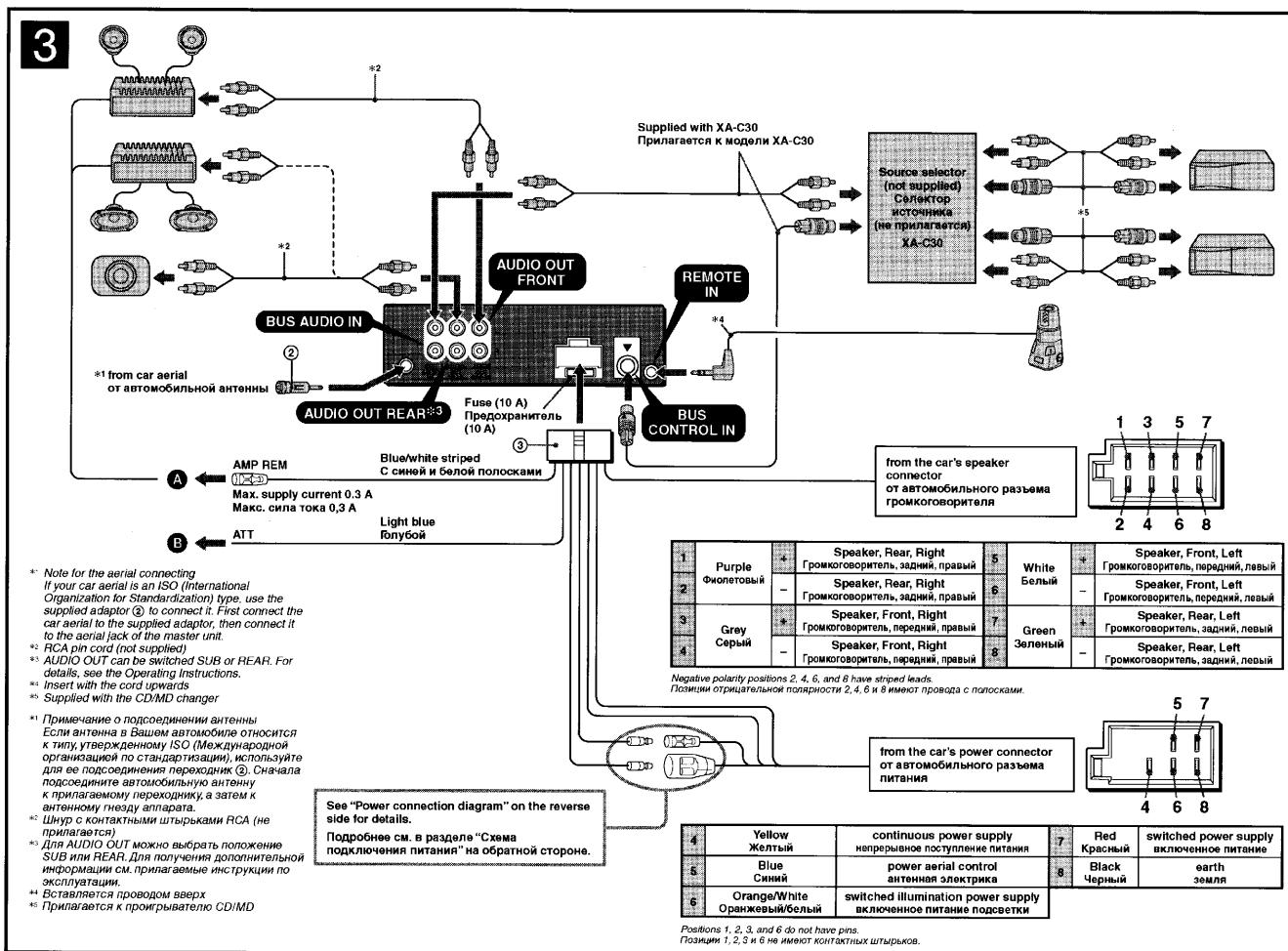
## Пример подключения 2

### Примечания (2-A)

- Прежде чем подключать аппарат к усилителю, обязательно подсоедините провод заземления.
- Звуковой сигнал будет воспроизводиться только в том случае, если используется встроенный усилитель.

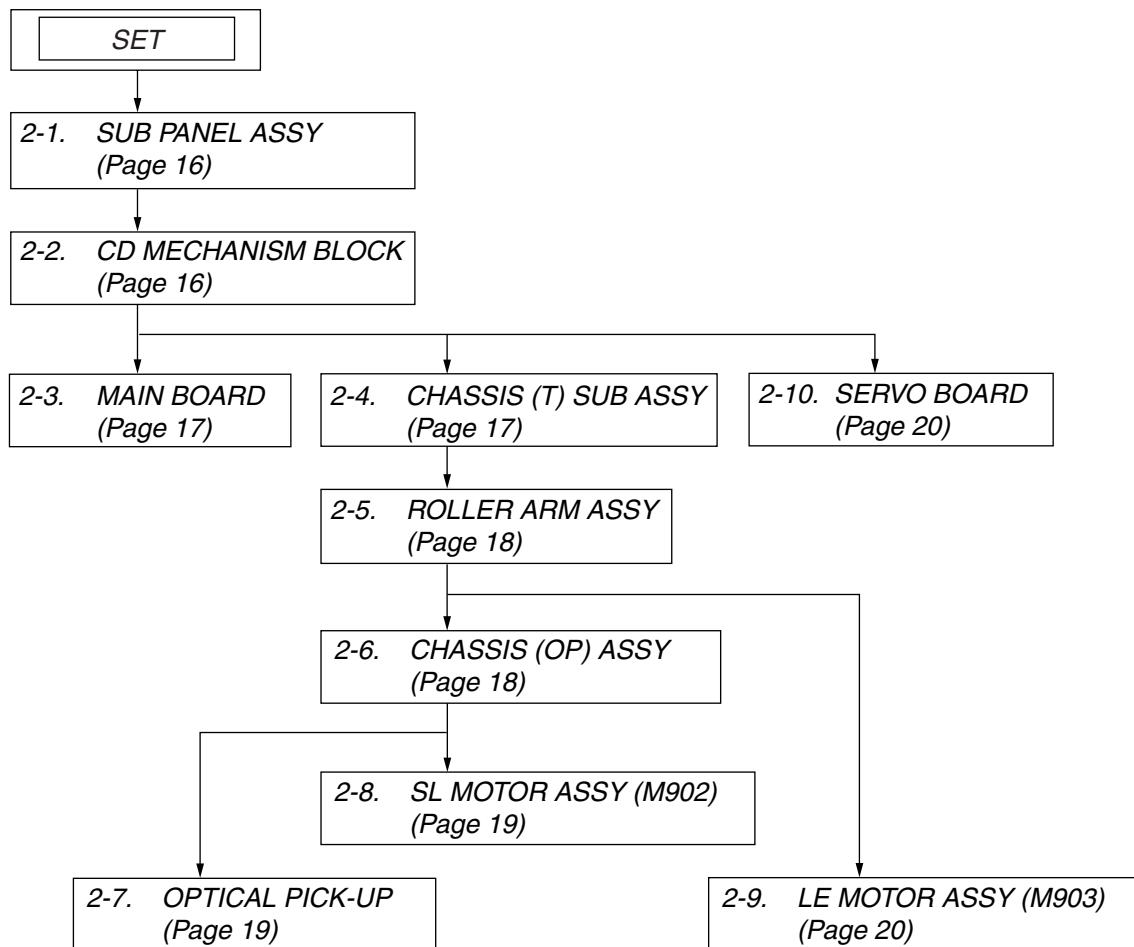
### Совет (2-B-b)

При подключении двух или более проигрывателей CD/MD потребуется селектор источника XA-C30 (не прилагается).



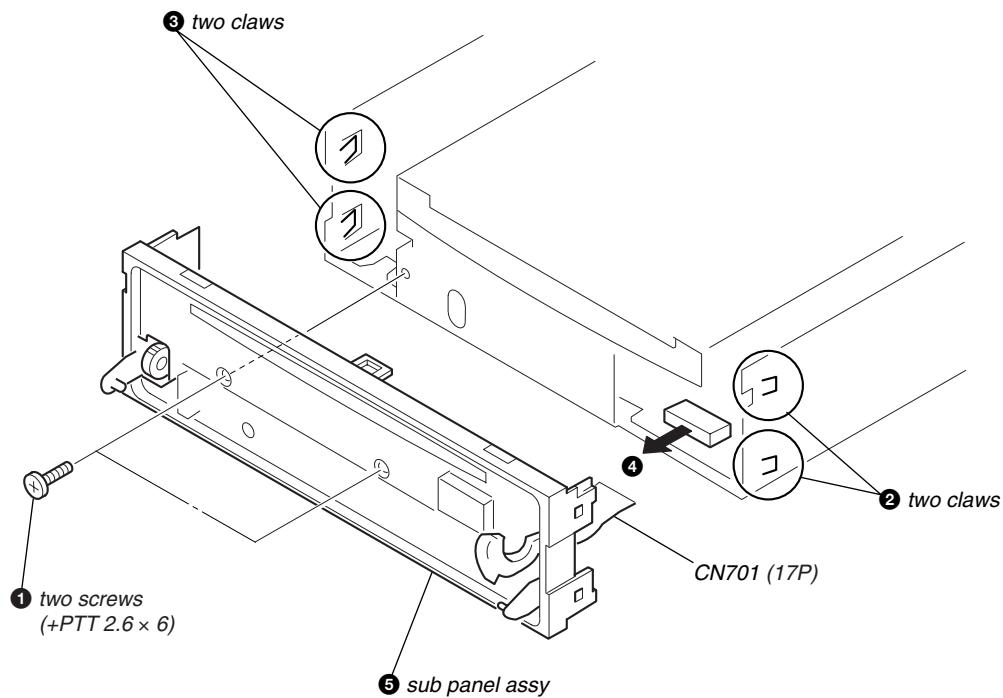
## SECTION 2 DISASSEMBLY

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

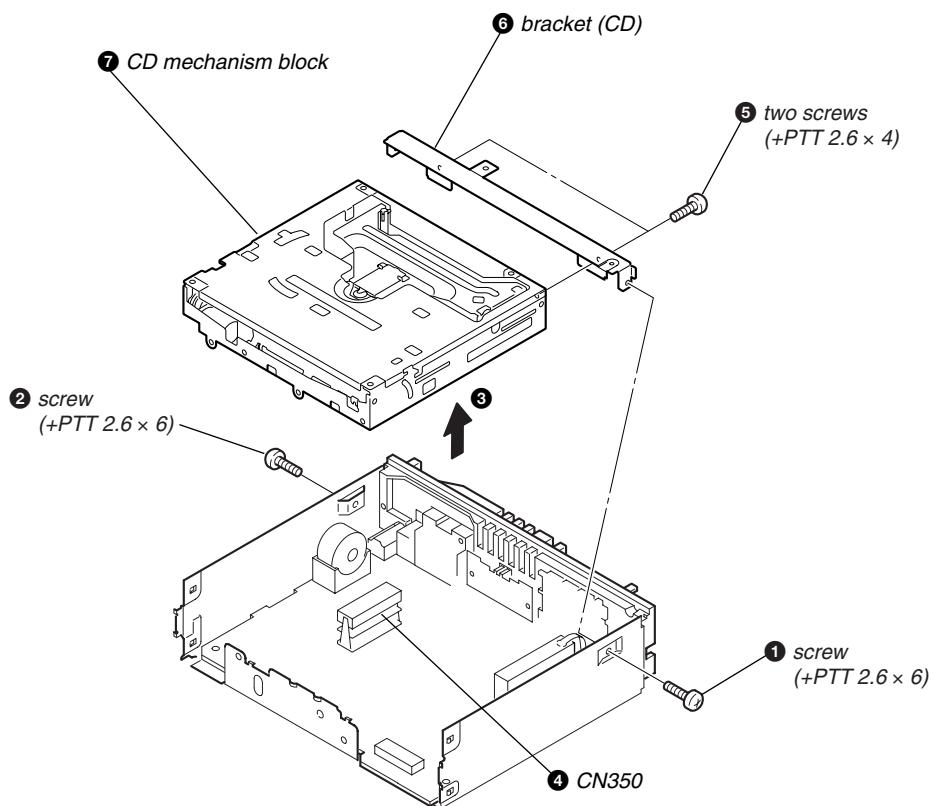


**Note:** Follow the disassembly procedure in the numerical order given.

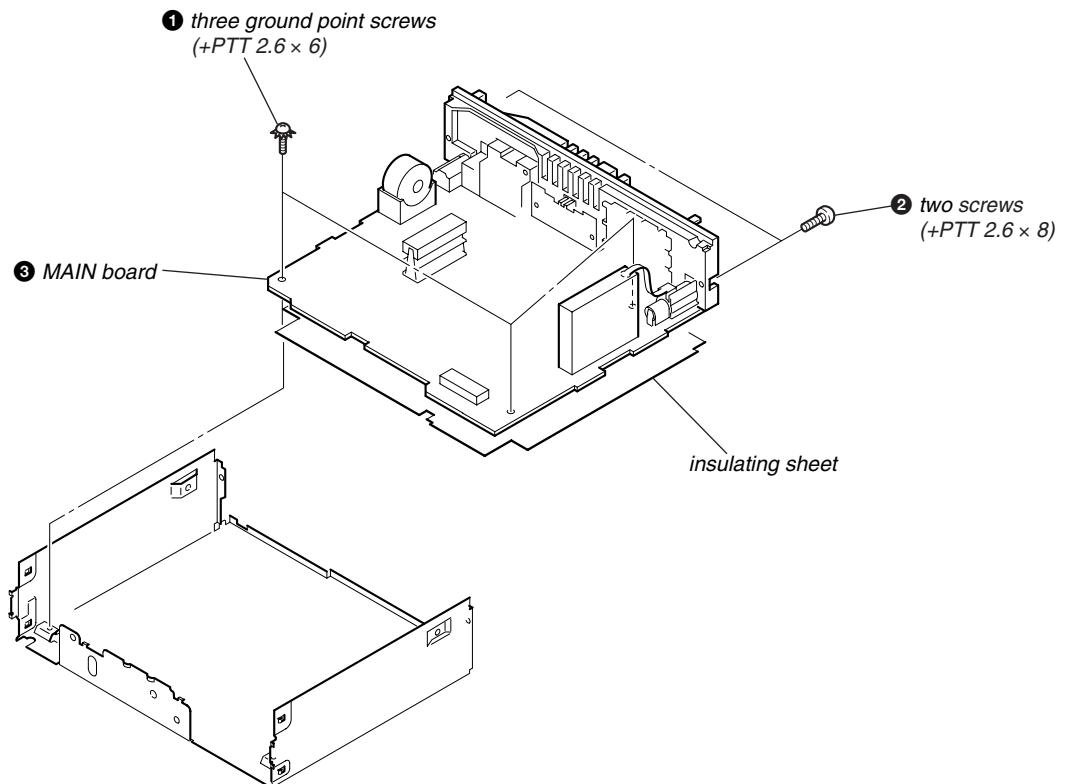
## 2-1. SUB PANEL ASSY



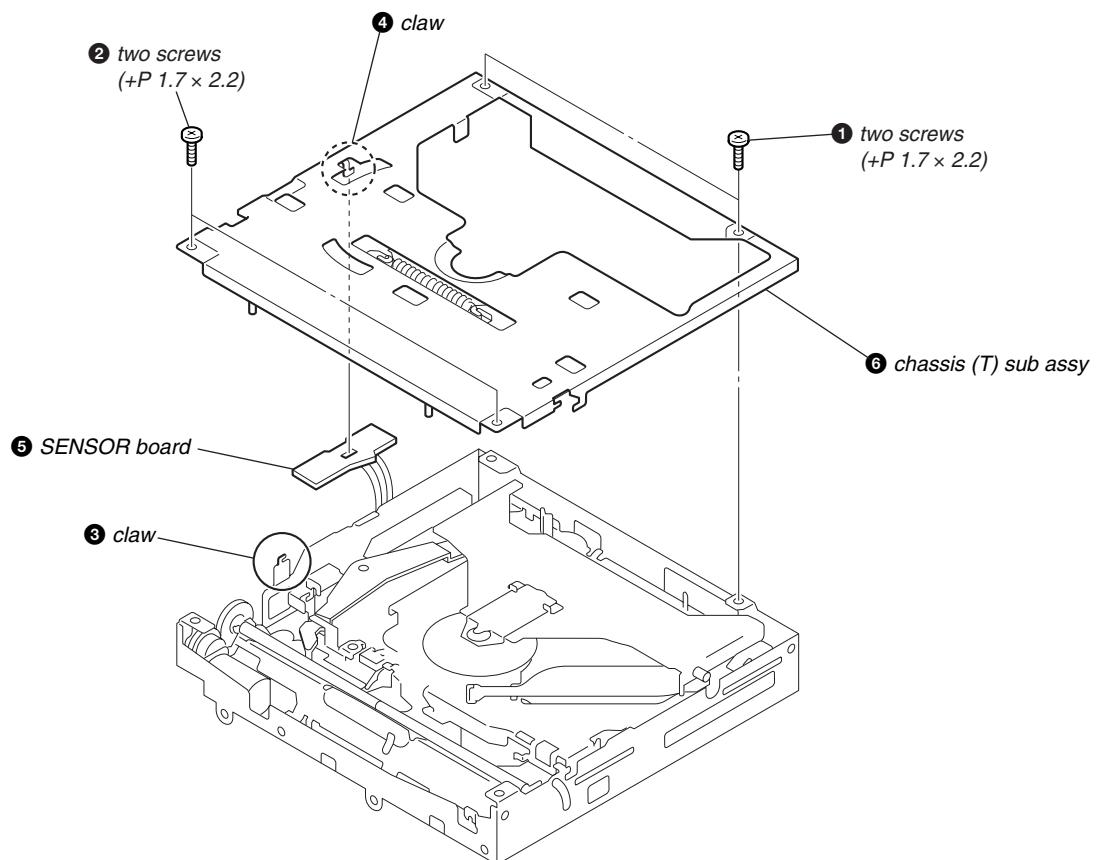
## 2-2. CD MECHANISM BLOCK



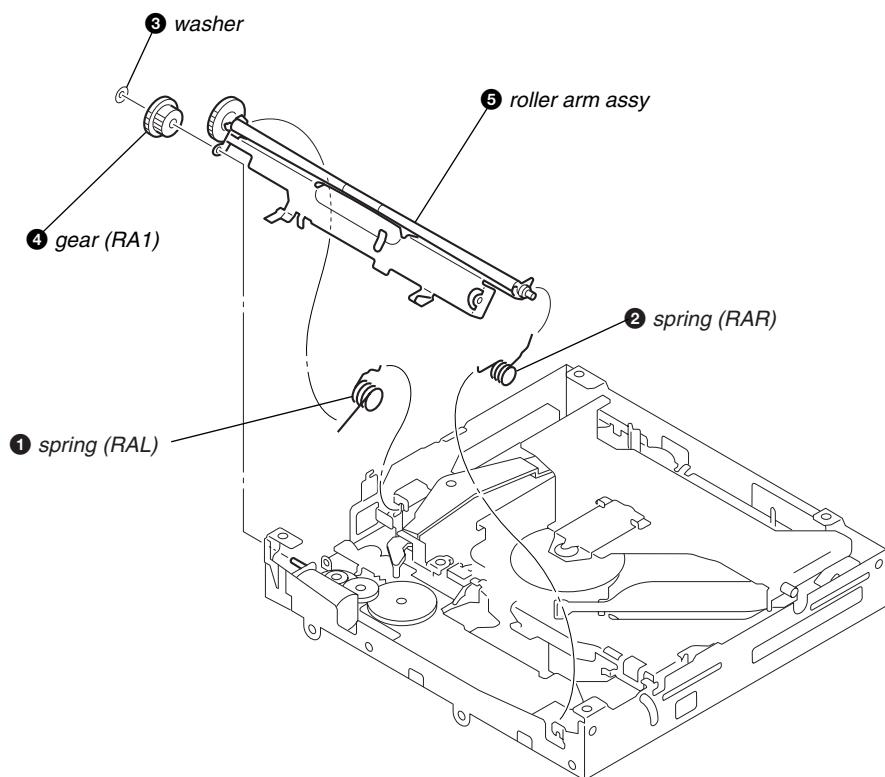
## 2-3. MAIN BOARD



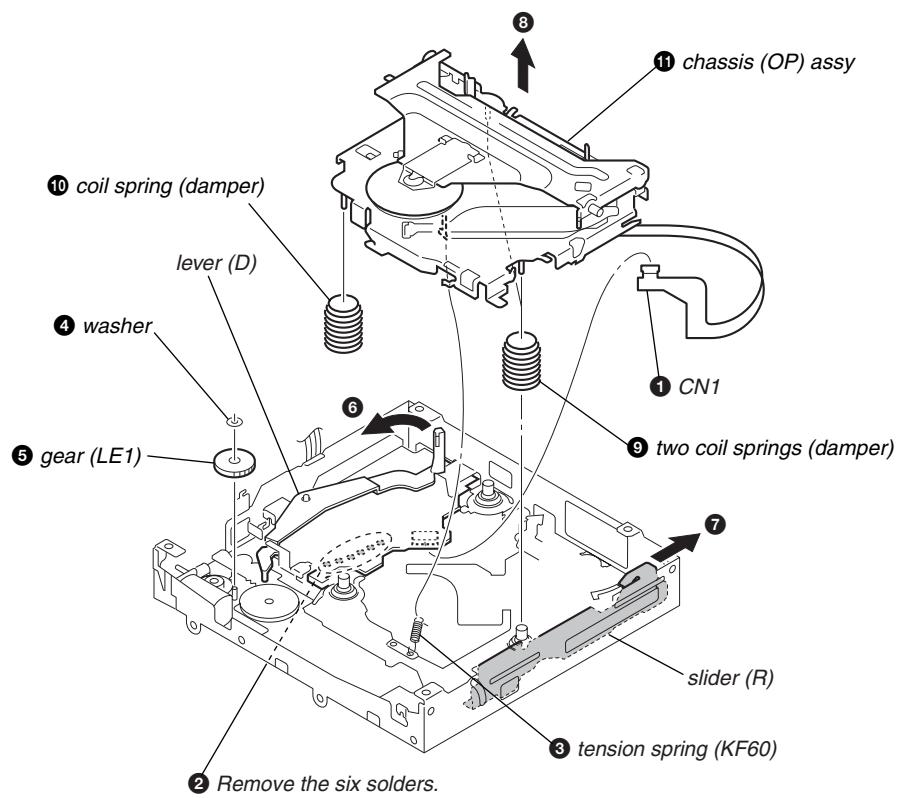
## 2-4. CHASSIS (T) SUB ASSY



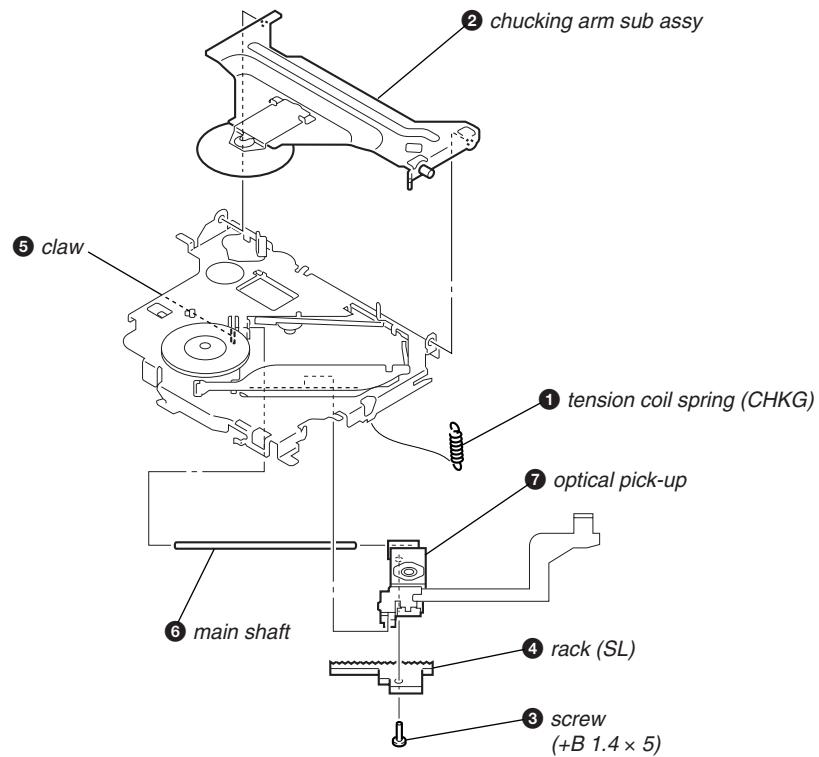
## 2-5. ROLLER ARM ASSY



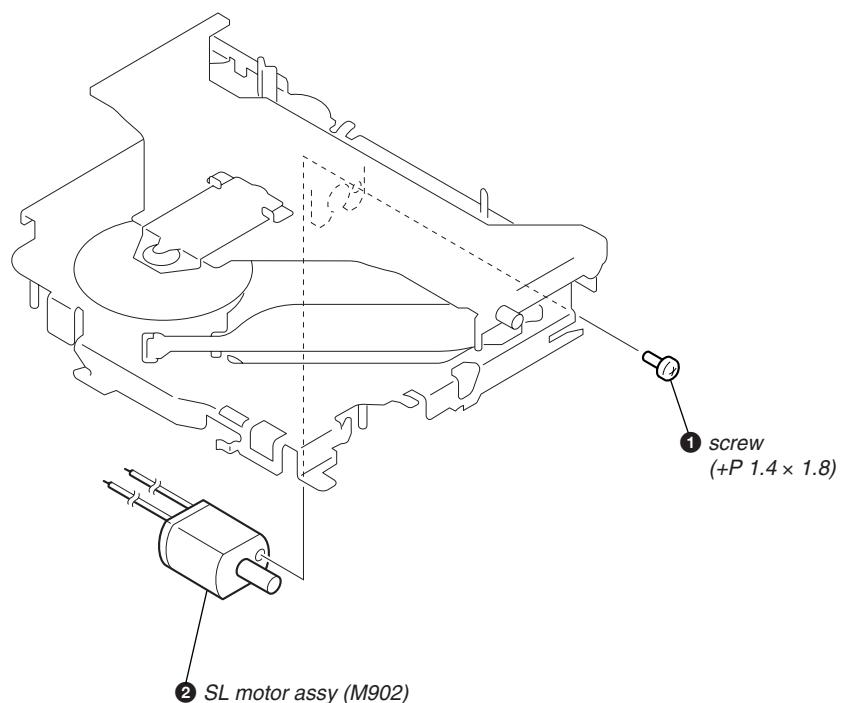
## 2-6. CHASSIS (OP) ASSY



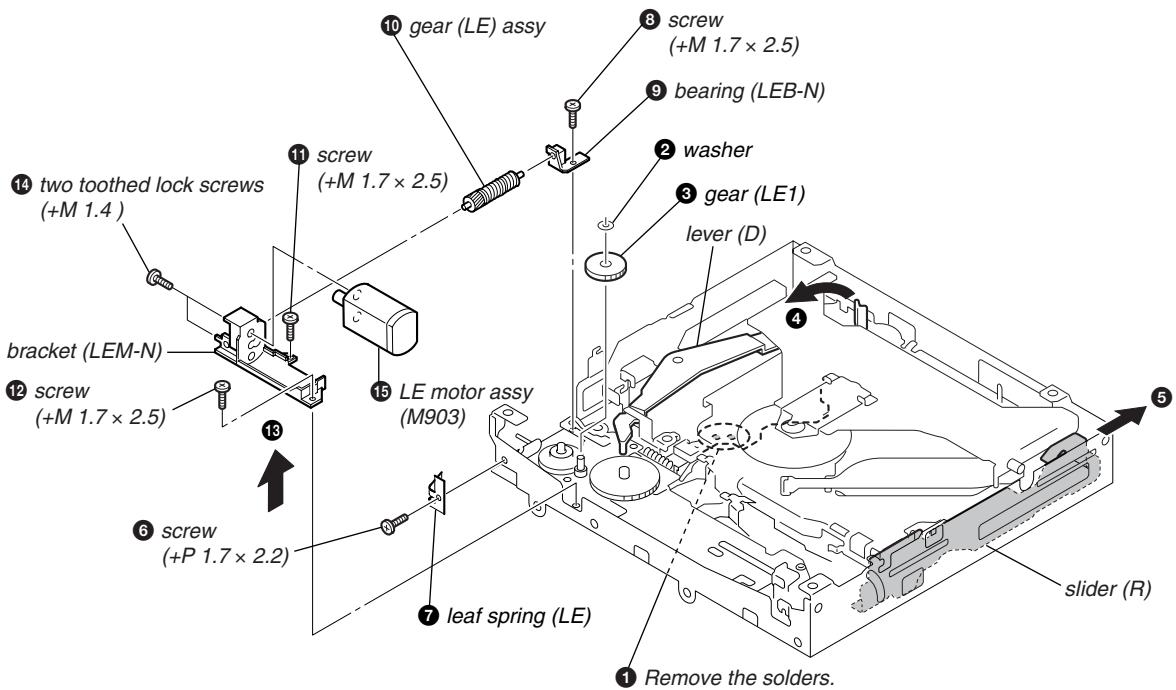
## 2-7. OPTICAL PICK-UP



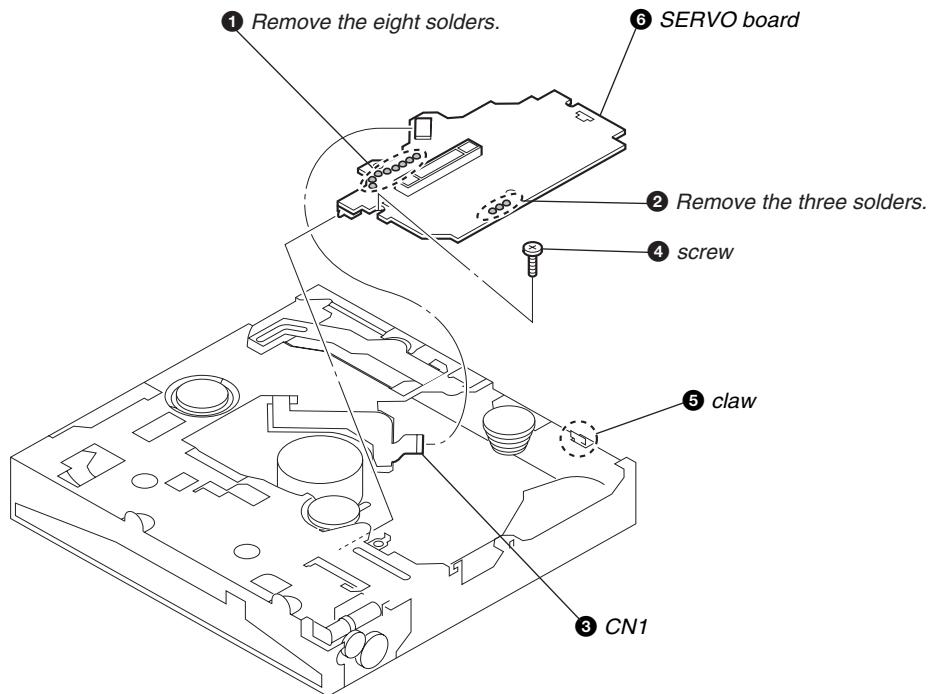
## 2-8. SL MOTOR ASSY (M902)



## 2-9. LE MOTOR ASSY (M903)

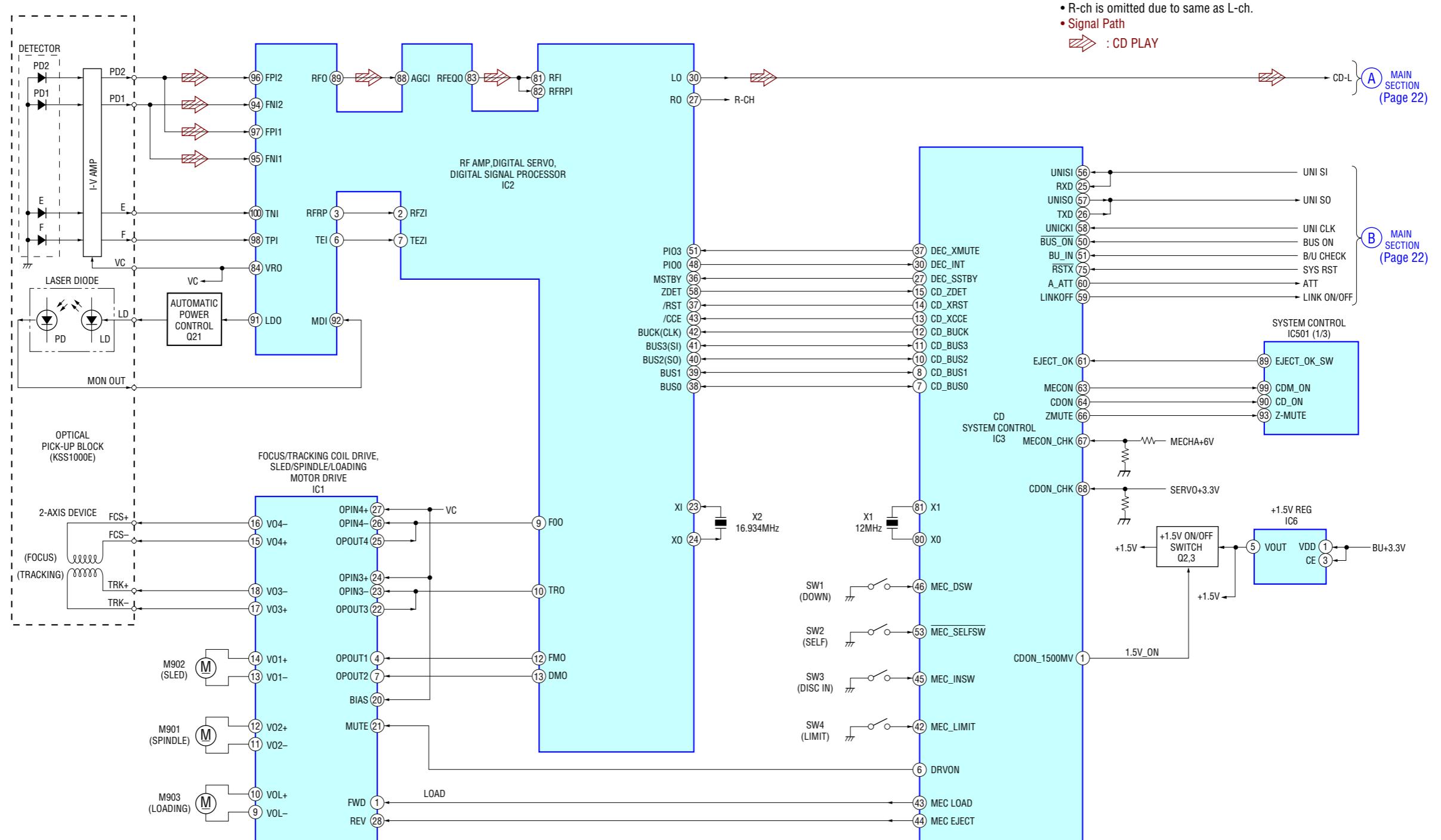


## 2-10. SERVO BOARD

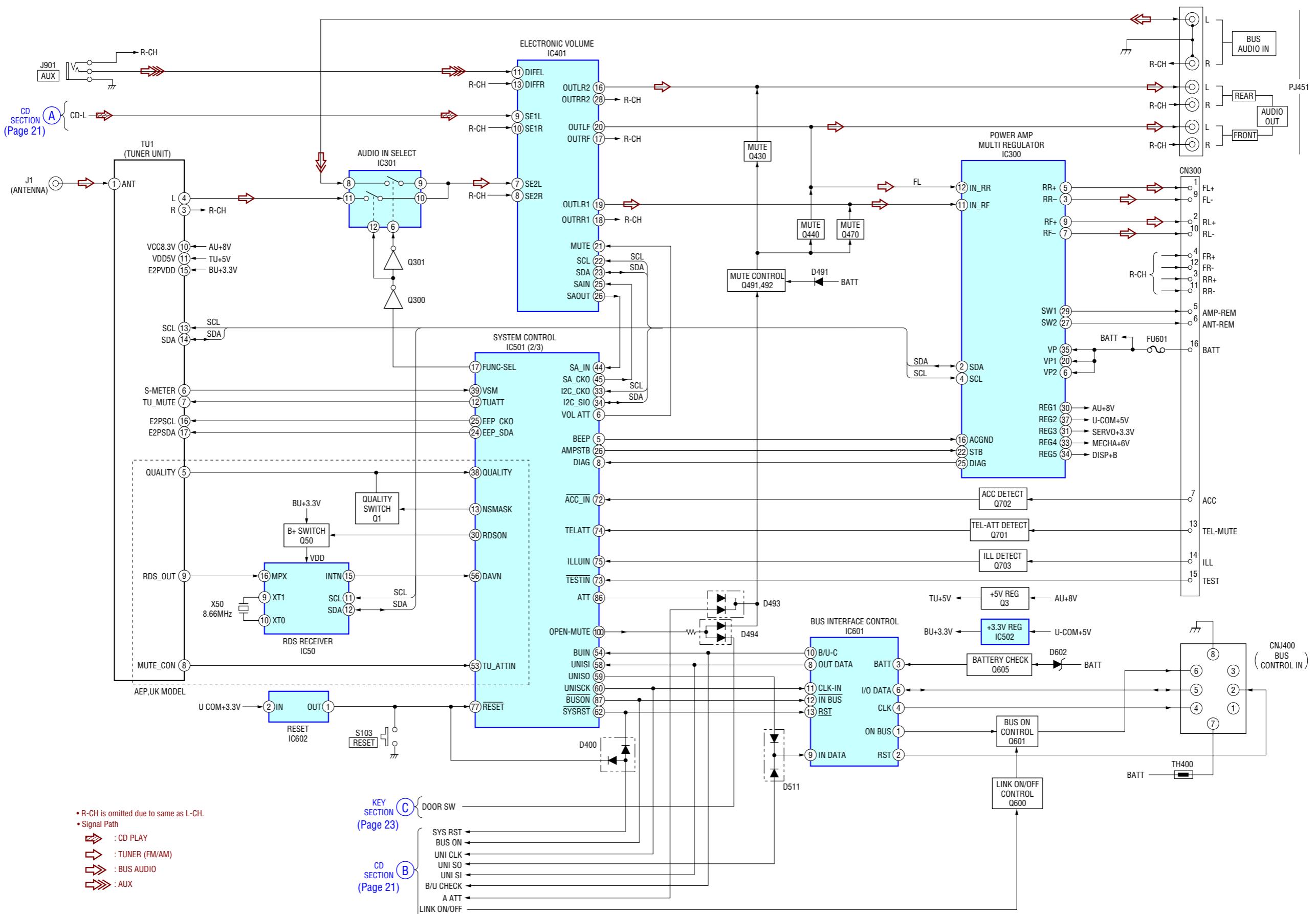


## SECTION 3 DIAGRAMS

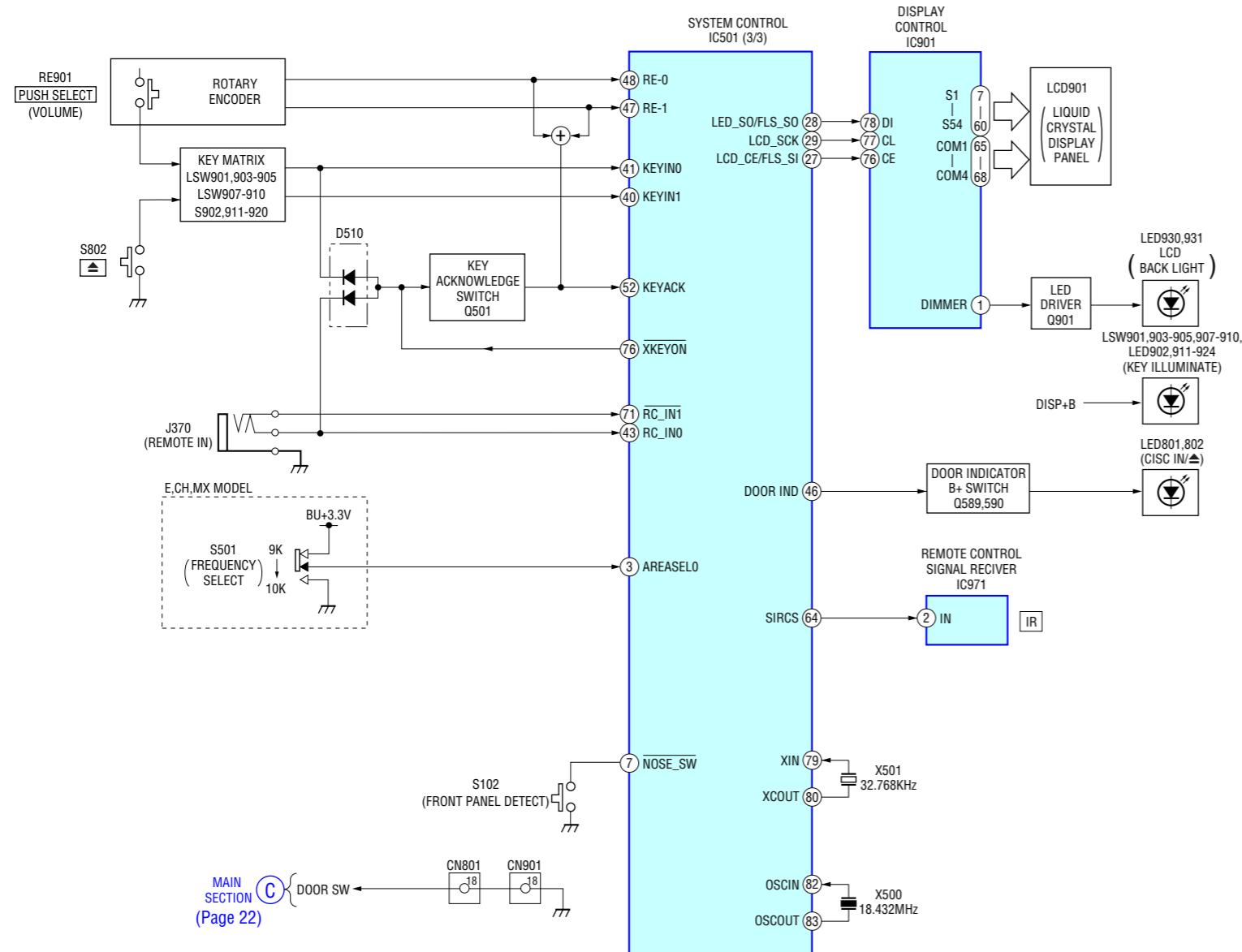
### 3-1. BLOCK DIAGRAM — CD SECTION —



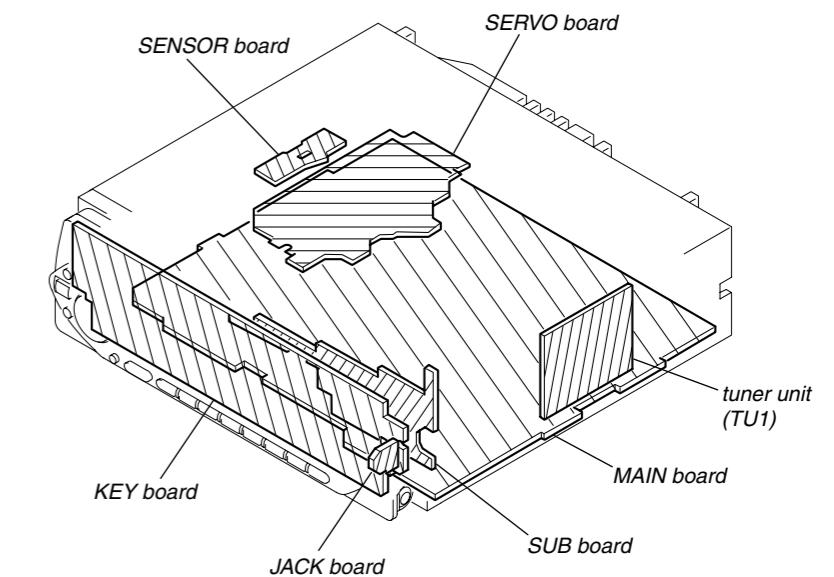
## 3-2. BLOCK DIAGRAM — MAIN SECTION —



### 3-3. BLOCK DIAGRAM — KEY 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  $\mu\text{F}$  unless otherwise noted. (p:  $\text{pF}$ )  
50  $\text{mV}$  or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $1/4 \text{W}$  or less unless otherwise specified.
- $\Delta$ : internal component.
- : panel designation.

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

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

- : B+ Line.
- : B- Line.
- 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 (1/2), (2/2) and Key sections  
no mark : FM/AM  
 $< >$  : CD PLAY  
\*: Impossible to measure
- Voltages are taken with a VOM (Input impedance  $10 \text{ M}\Omega$ ). 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  
 : AUX
- Abbreviation  
 CND : Canadian model.  
 EE : East European model.  
 CH : Chinese model.  
 MX : Mexican model.

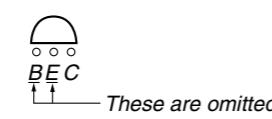
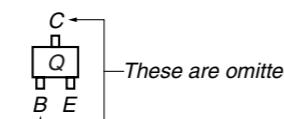
For printed wiring boards.

Note:

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

Caution:

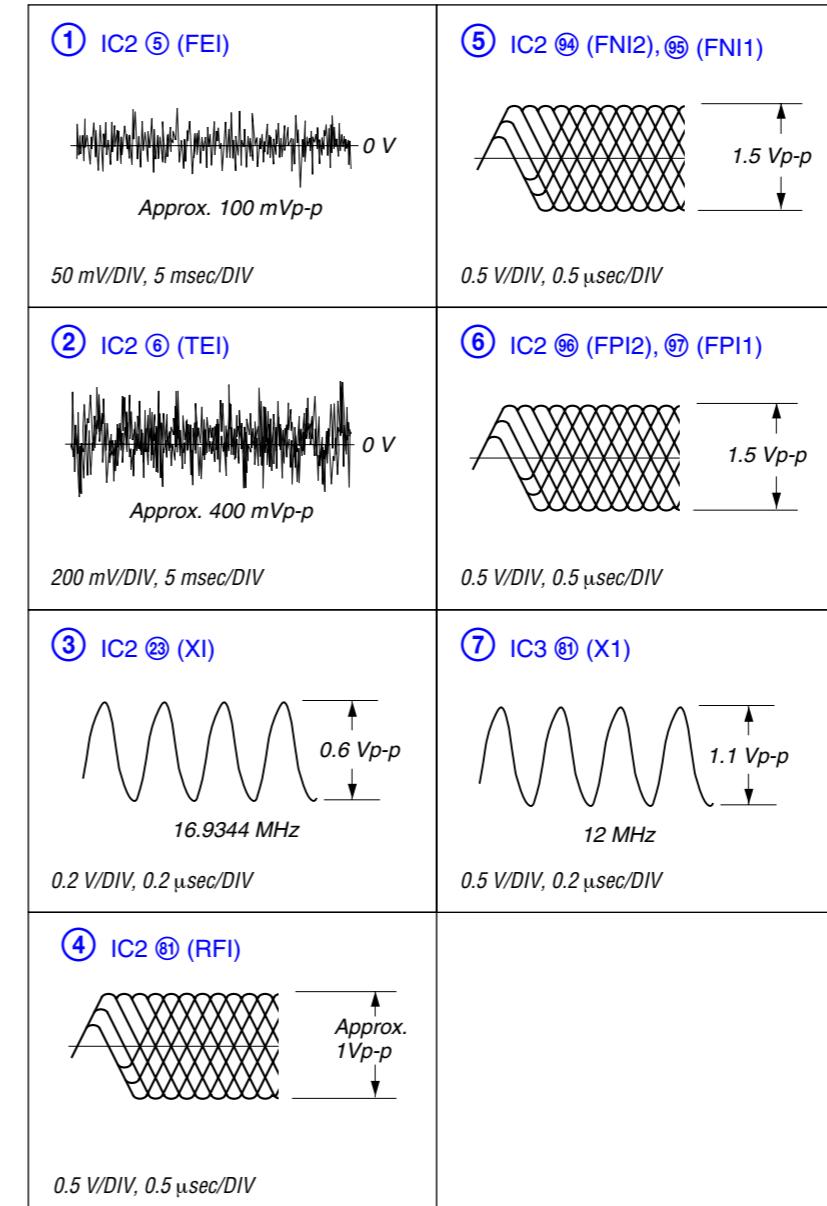
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.  
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.



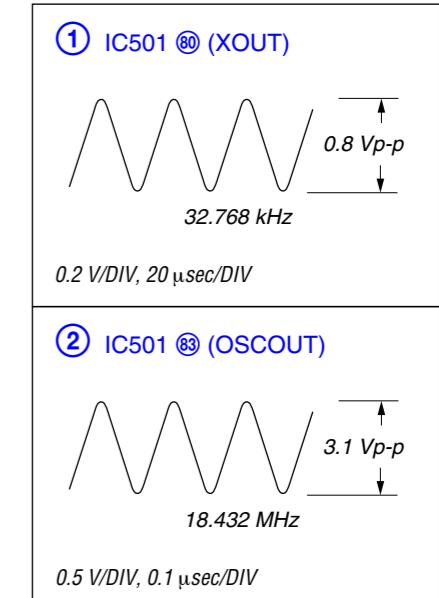
- Abbreviation  
 CND : Canadian model.  
 EE : East European model.  
 CH : Chinese model.  
 MX : Mexican model.

• Waveforms

— SERVO Board —  
(CD PLAY)

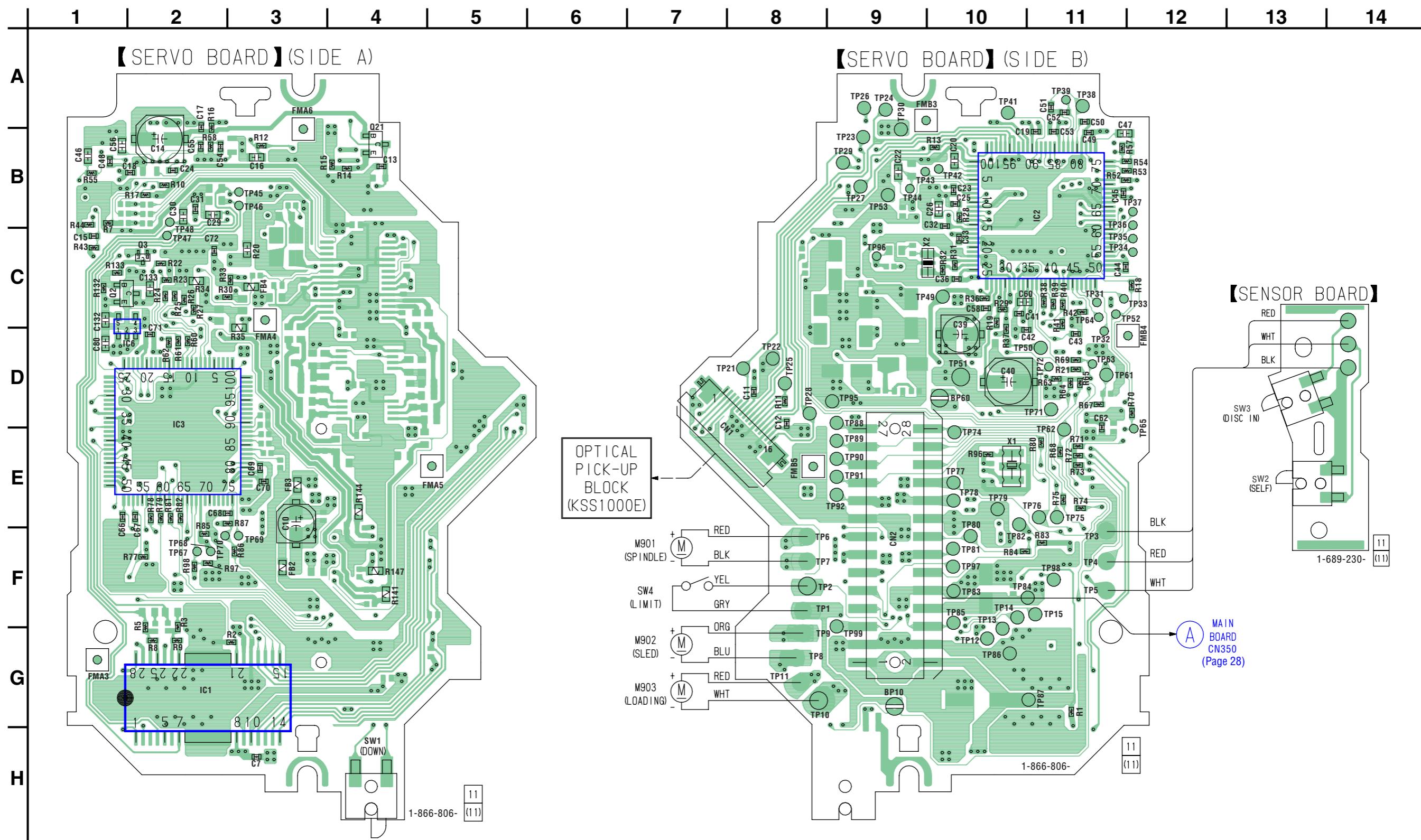


— MAIN Board —



## 3-5. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 23 for Circuit Boards Location.

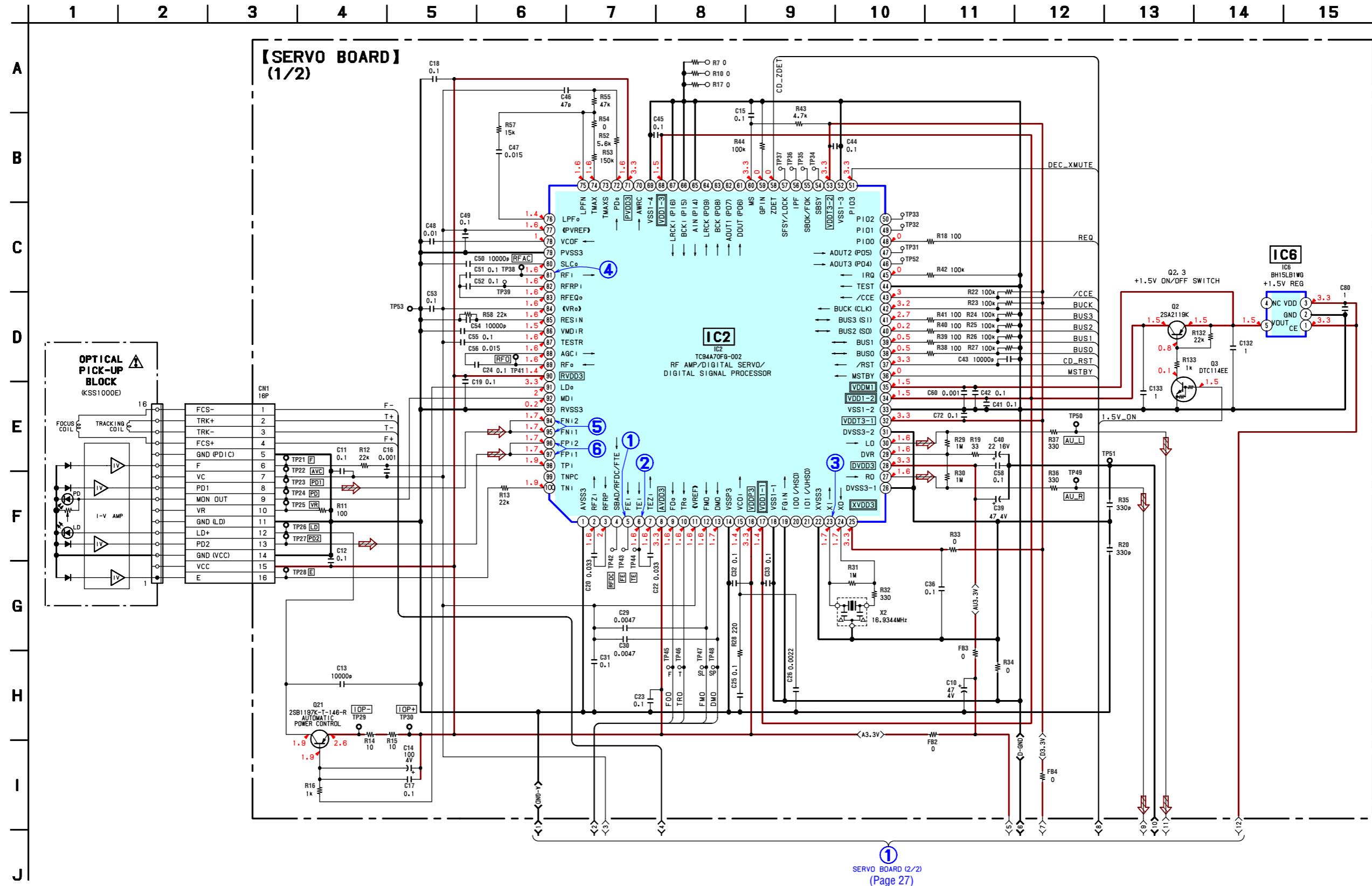
LF : Uses unleaded solder.



- Semiconductor Location

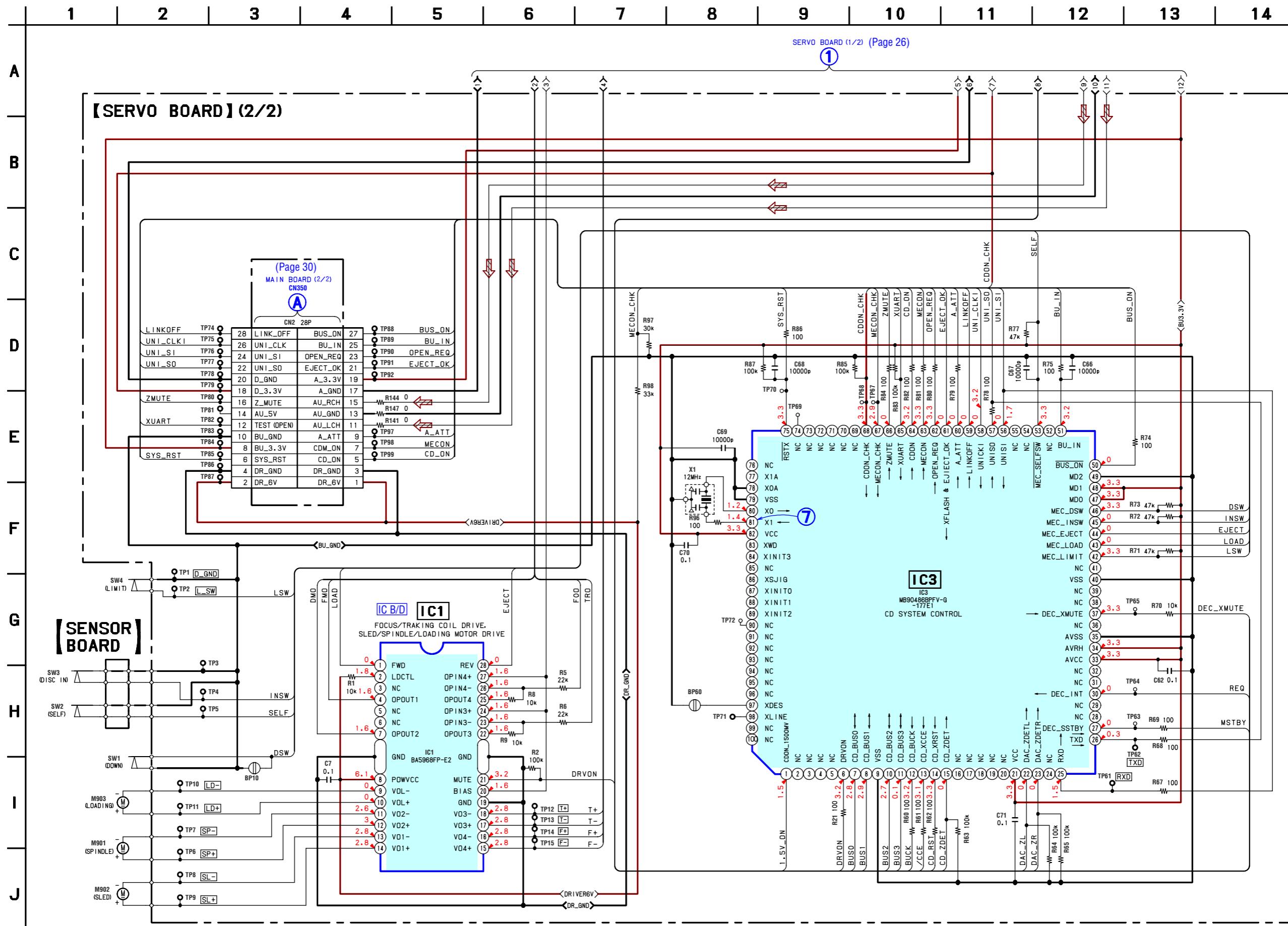
Ref. No.	Location
IC1	G-2
IC2	B-11
IC3	D-2
IC6	D-1
Q2	C-1
Q3	C-2
Q21	B-4

## 3-6. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 24 for Waveforms.

SERVO BOARD (2/2)  
(Page 27)

- Refer to page 24 for Waveform.
- Refer to page 35 for IC Block Diagram.
- Refer to page 38 for IC Pin Descriptions.

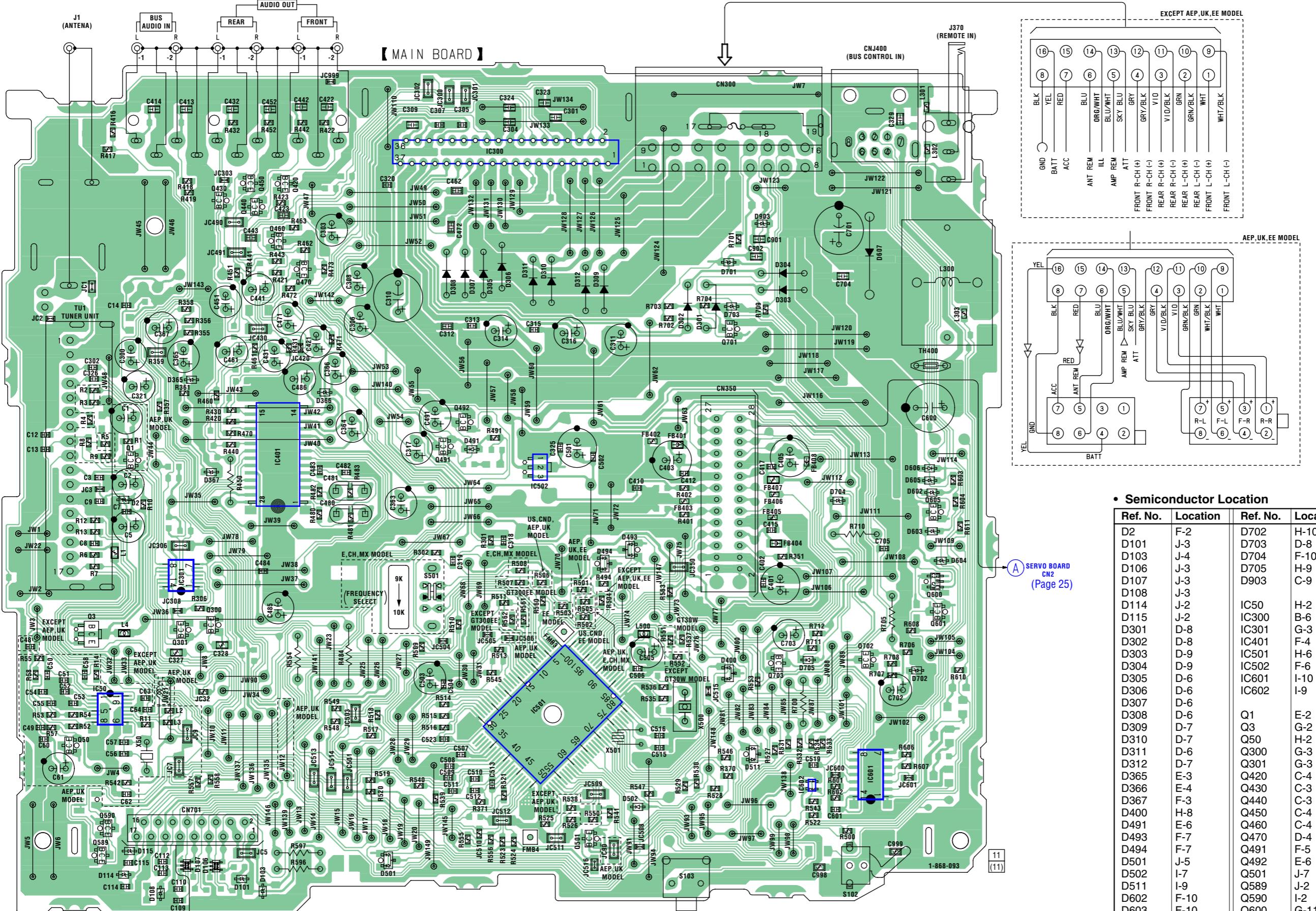
## 3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) —



## 3-8. PRINTED WIRING BOARD — MAIN SECTION — • Refer to page 23 for Circuit Boards Location.

• : Uses unleaded solder.

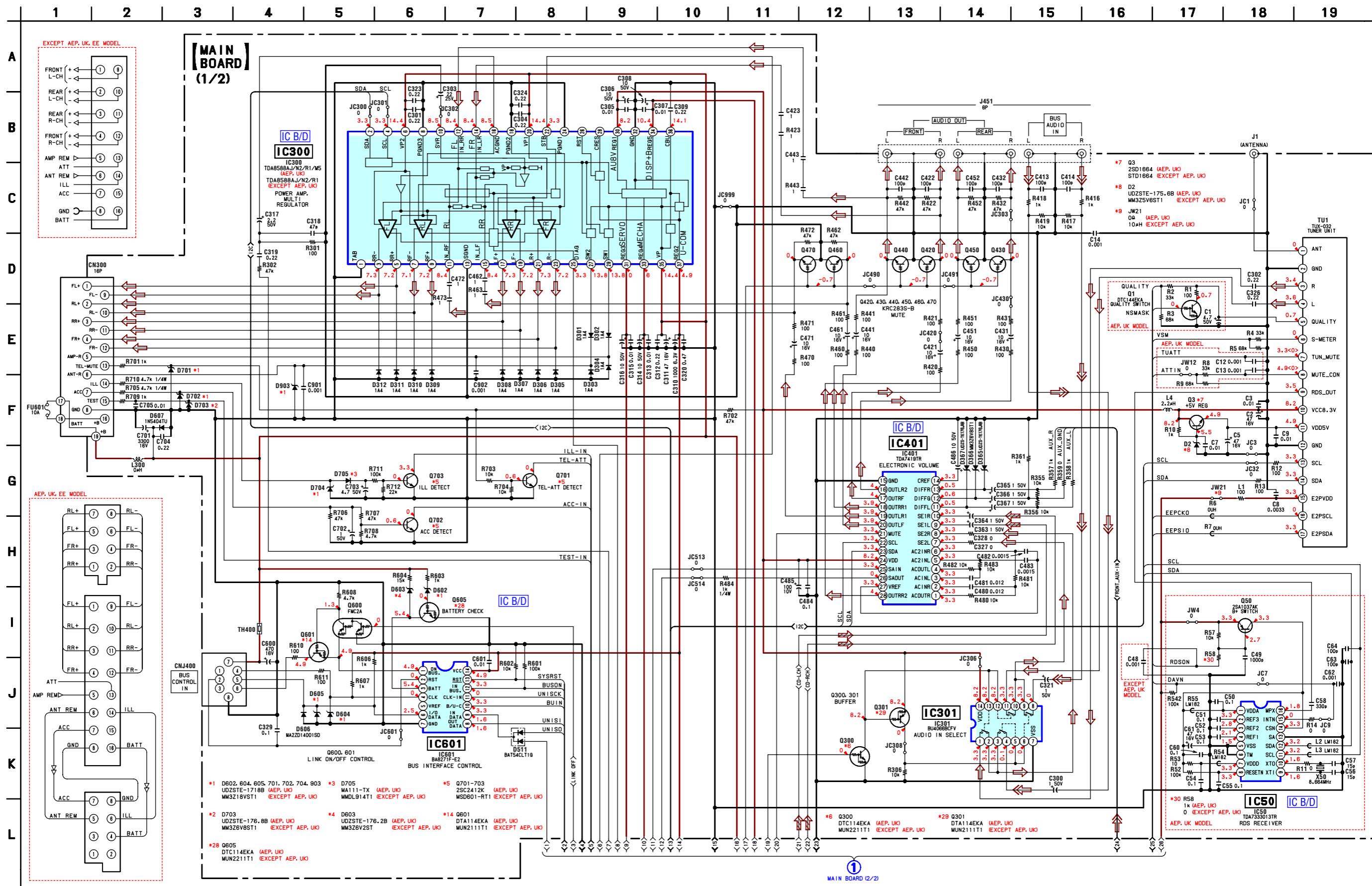
1 2 3 4 5 6 7 8 9 10 11 12 13 14



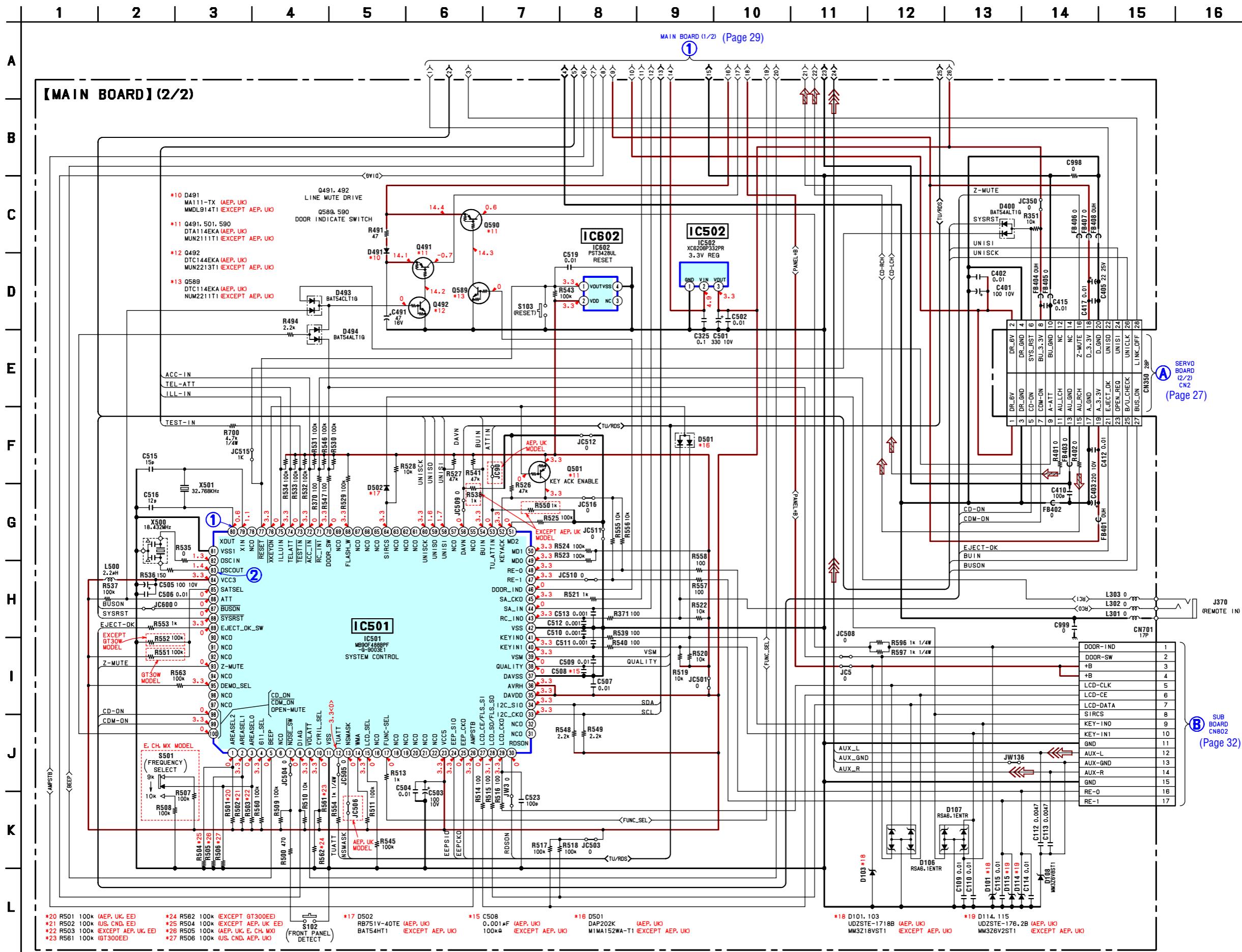
## • Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D2	F-2	D702	H-10
D101	J-3	D703	D-8
D103	J-4	D704	F-10
D106	J-3	D705	H-9
D107	J-3	D903	C-9
D108	J-3		
D114	J-2	IC50	H-2
D115	J-2	IC300	B-6
D301	D-8	IC301	G-3
D302	D-8	IC401	F-4
D303	D-9	IC501	H-6
D304	D-9	IC502	F-6
D305	D-6	IC601	I-10
D306	D-6	IC602	I-9
D307	D-6		
D308	D-6	Q1	E-2
D309	D-7	Q3	G-2
D310	D-7	Q50	H-2
D311	D-6	Q300	G-3
D312	D-7	Q301	G-3
D365	E-3	Q420	C-4
D366	E-4	Q430	C-3
D367	F-3	Q440	C-3
D400	H-8	Q450	C-4
D491	E-6	Q460	C-4
D493	F-7	Q470	D-4
D494	F-7	Q491	F-5
D501	J-5	Q492	E-6
D502	I-7	Q492	J-6
D511	I-9	Q589	J-2
D602	F-10	Q590	I-2
D603	F-10	Q600	G-11
D604	G-11	Q601	G-11
D605	F-10	Q605	F-11
D606	F-10	Q701	D-8
D607	C-10	Q702	G-10
D701	D-8	Q703	H-9

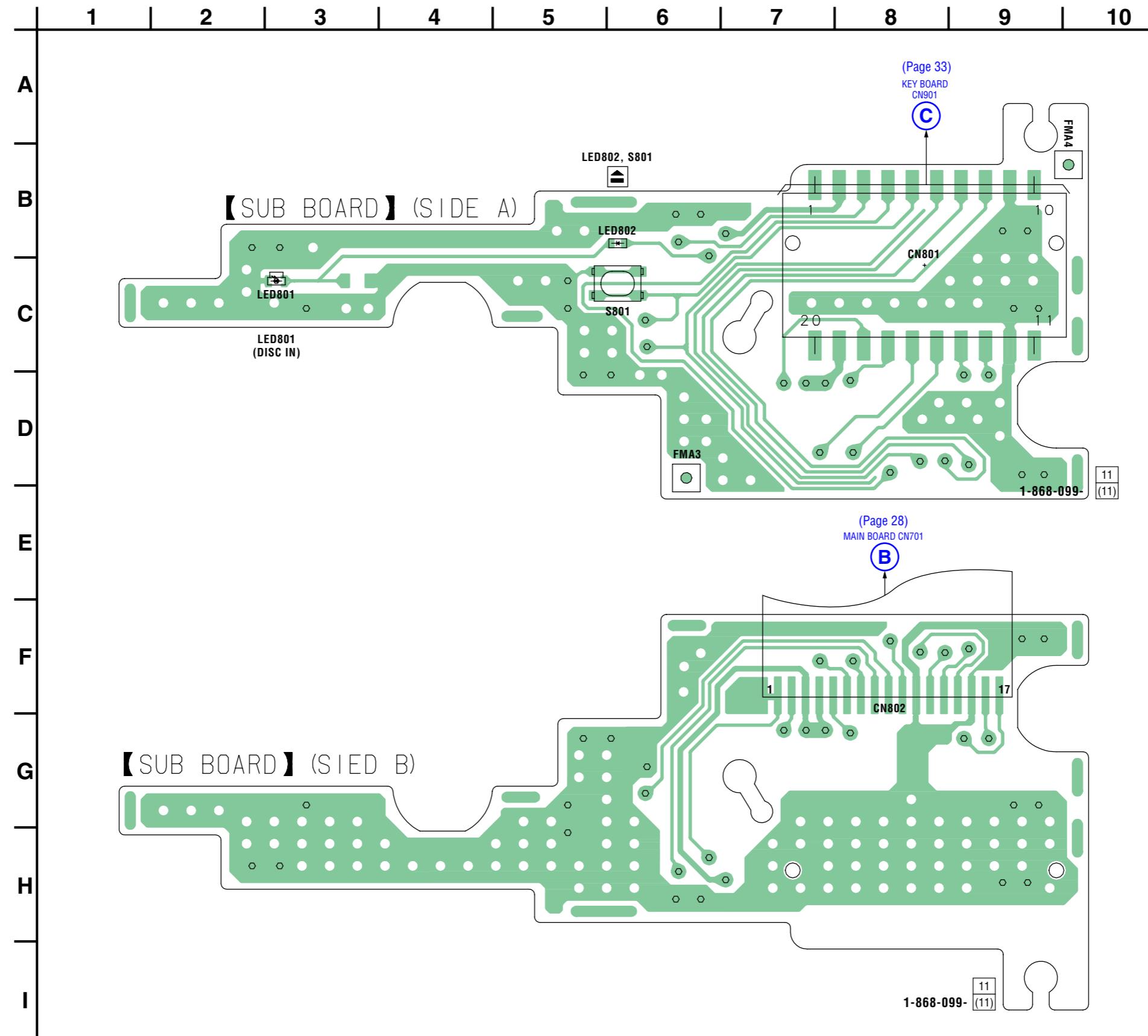
**3-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 35 for IC Block Diagrams.**



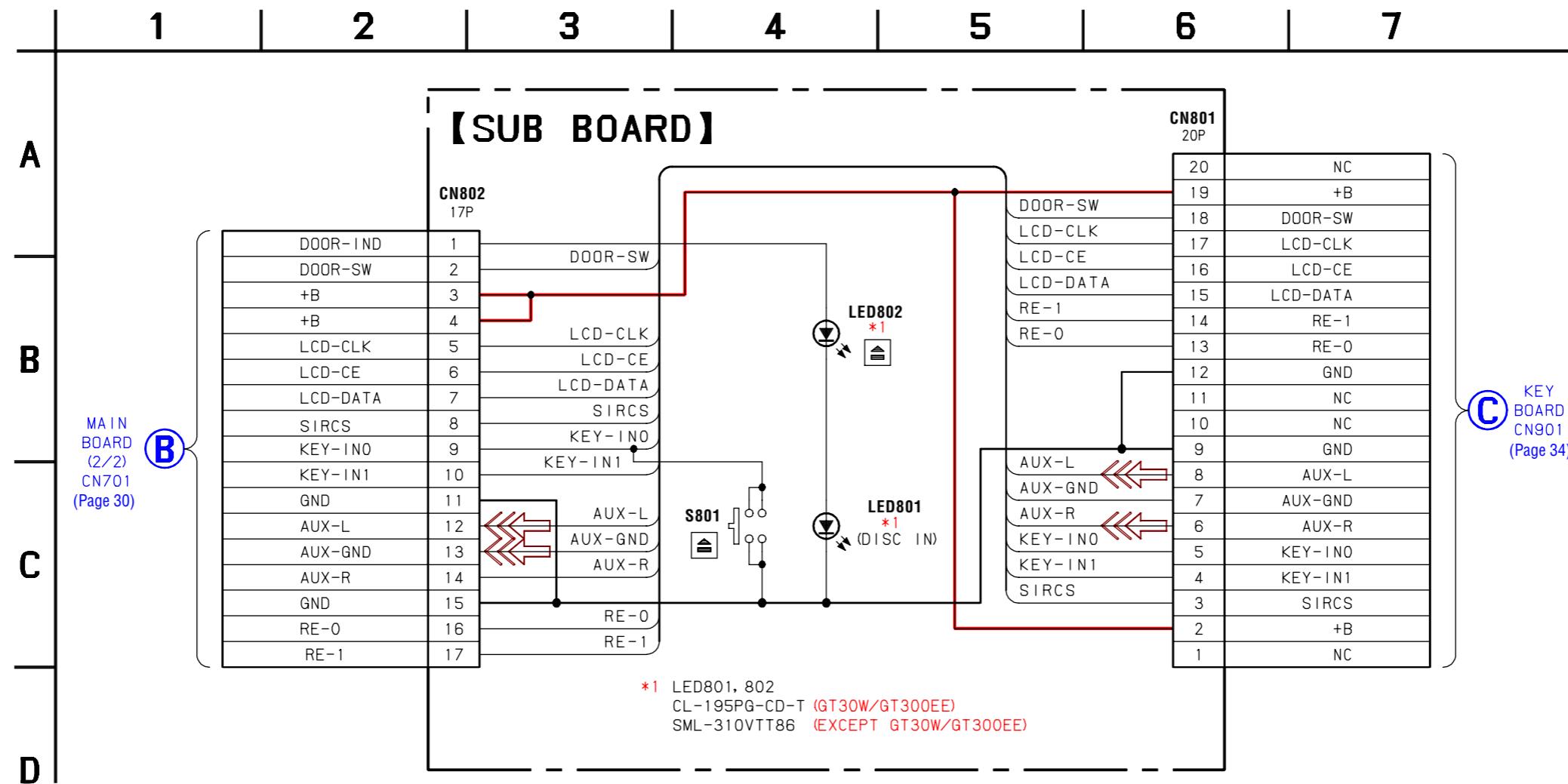
- Refer to page 24 for Waveforms.
- Refer to page 40 for Pin Descriptions.



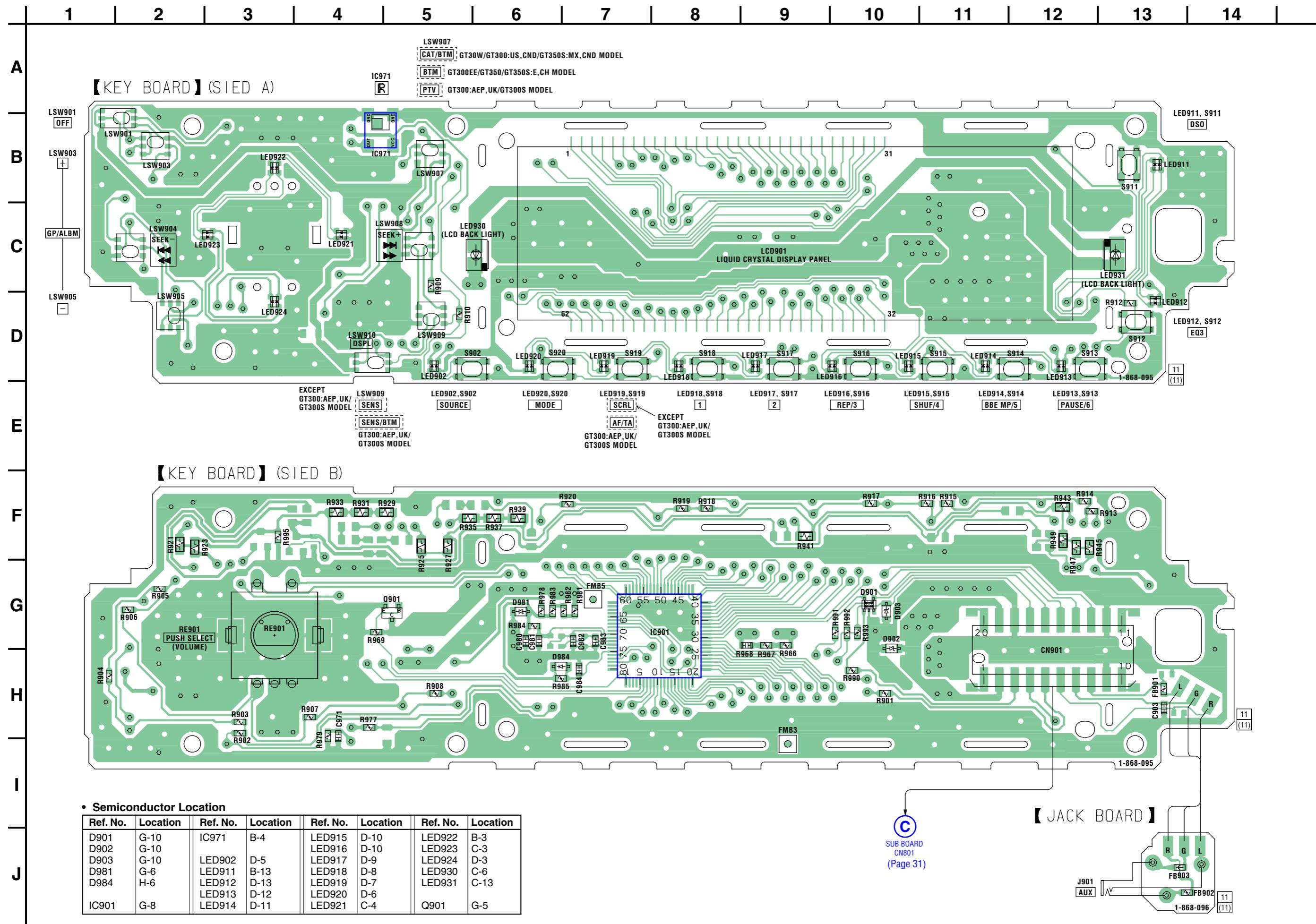
3-11. PRINTED WIRING BOARD — SUB SECTION — • Refer to page 23 for Circuit Boards Location.  : Uses unleaded solder.



## 3-12. SCHEMATIC DIAGRAM — SUB SECTION —

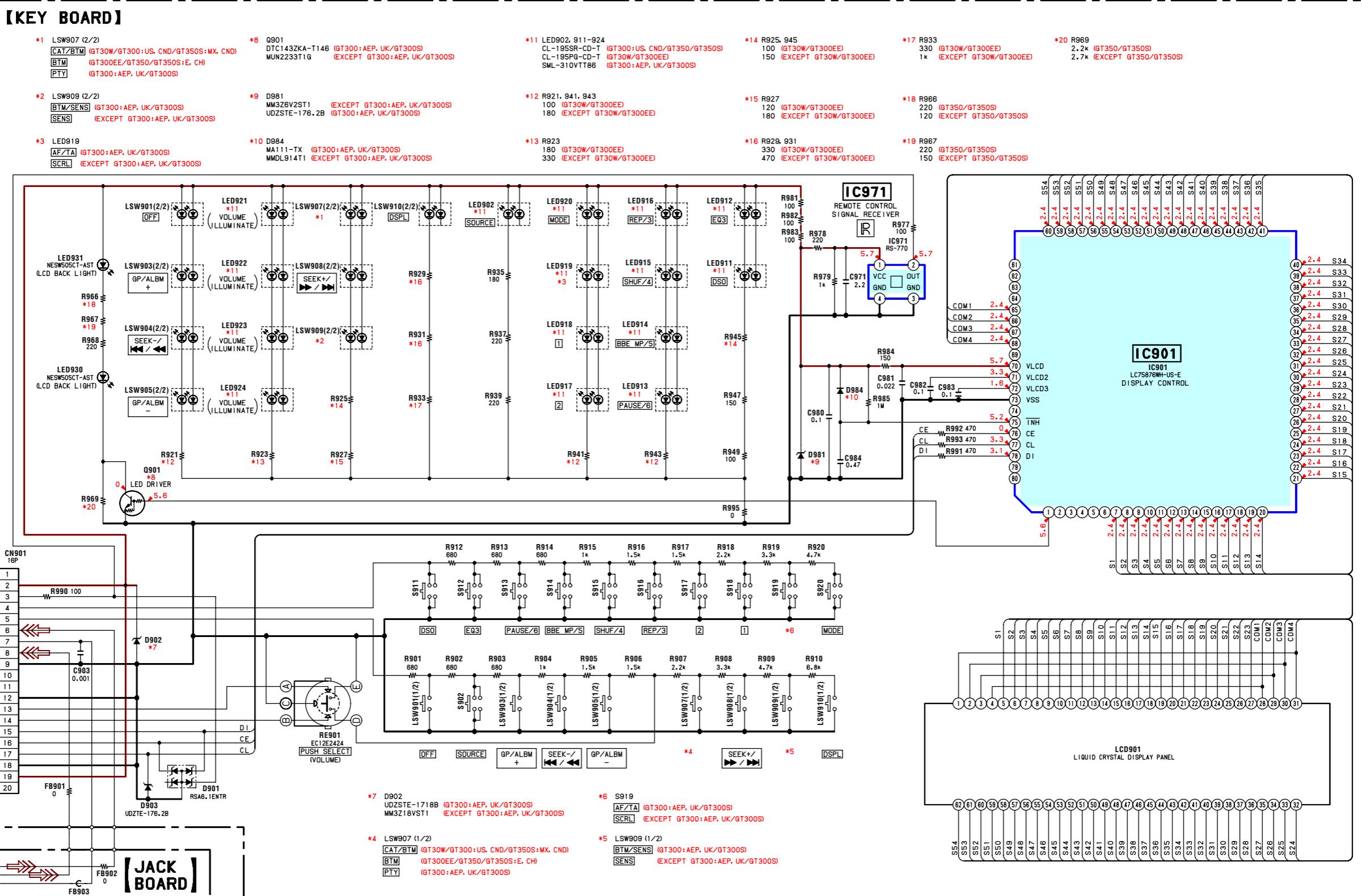


**3-13. PRINTED WIRING BOARD — KEY SECTION —** • Refer to page 23 for Circuit Boards Location.  : Uses unleaded solder.



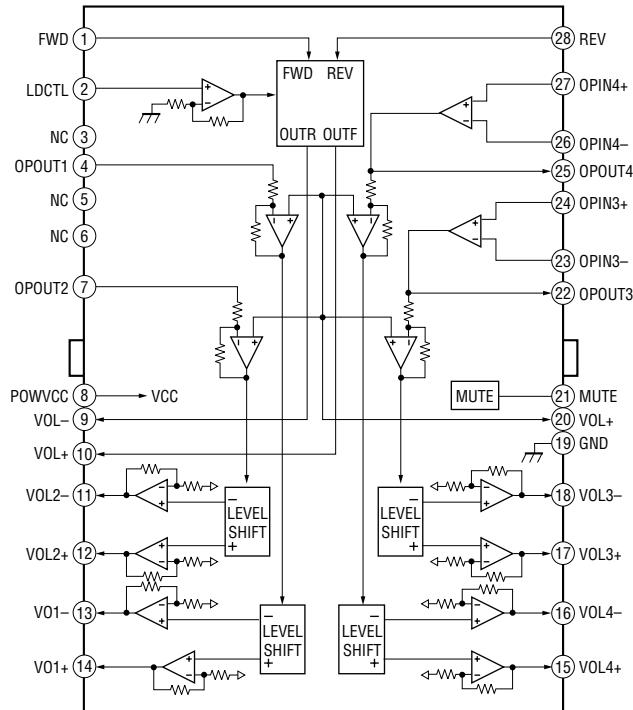
## 3-14. SCHEMATIC DIAGRAM — KEY SECTION —

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17

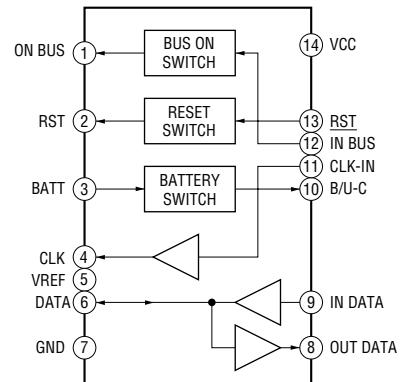


• IC BLOCK DIAGRAMS

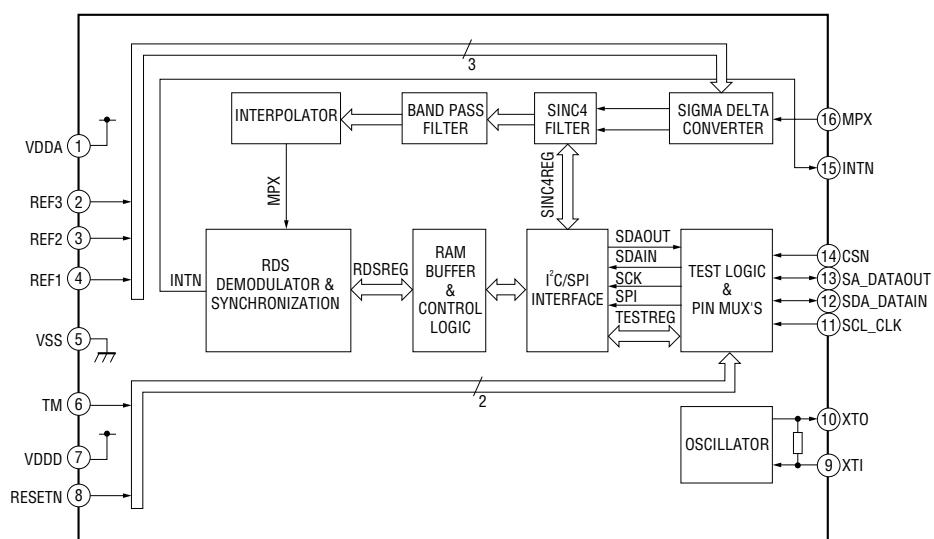
IC1 BA5968FP-E2 (SERVO Board (2/2))



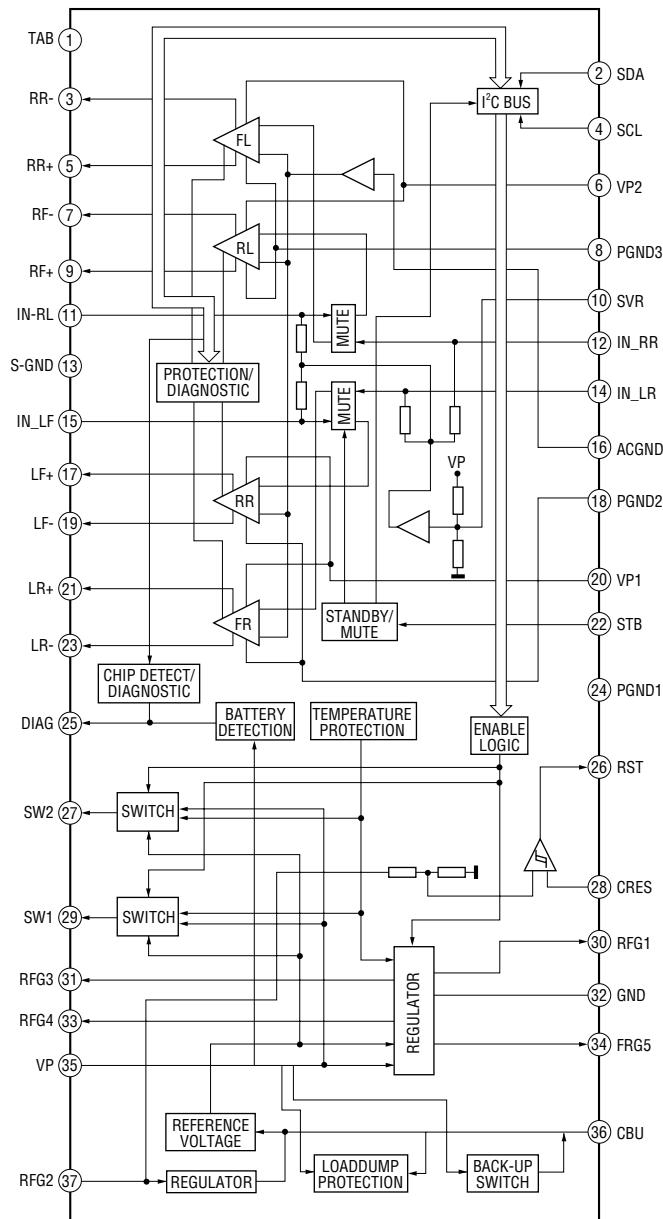
IC601 BA8271F-E2 (MAIN Board (1/2))



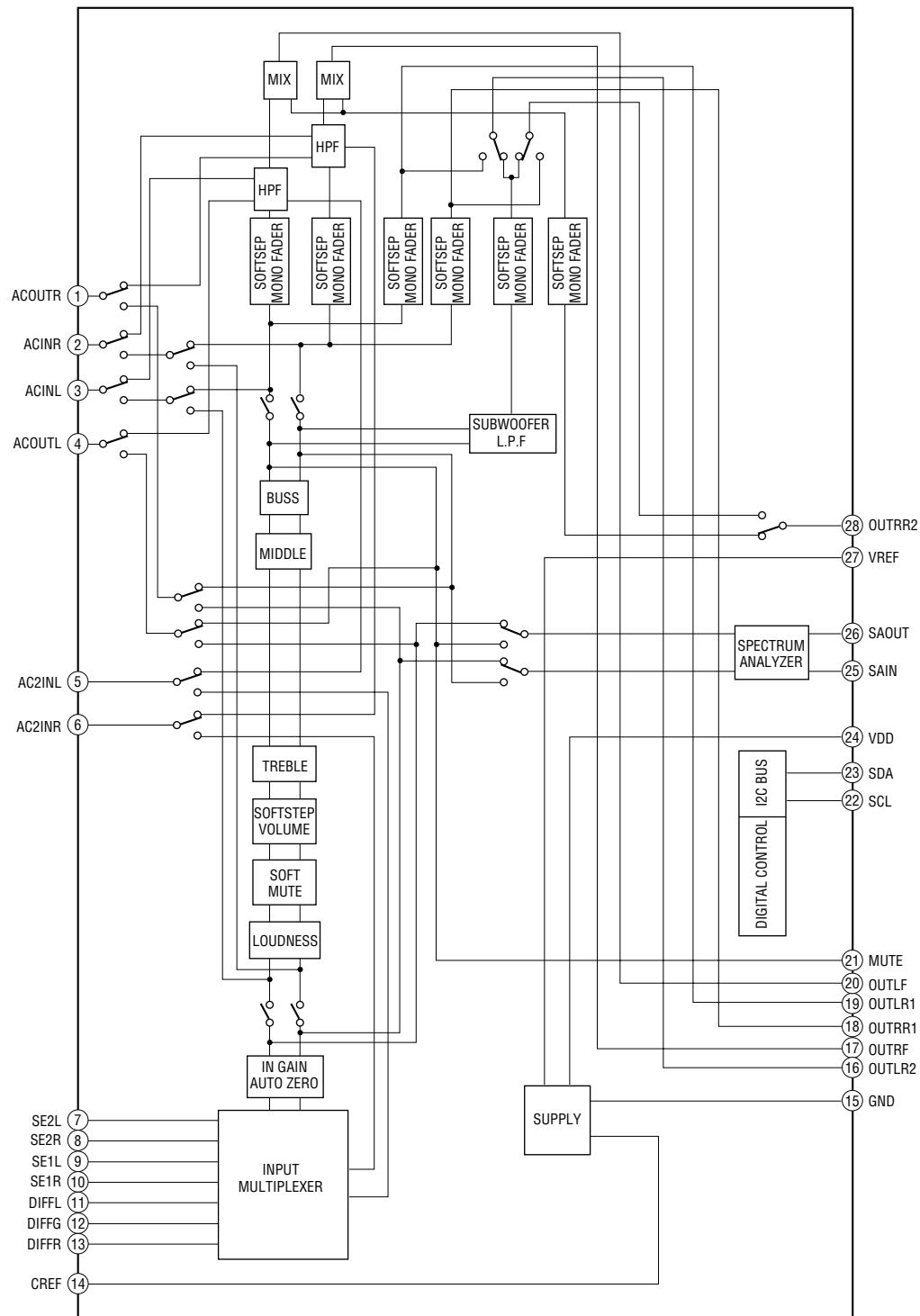
IC50 TDA7333013TR (MAIN Board (1/2))



**IC300 TDA8588AJ/N2/R1 (MAIN Board (1/2)) (EXCEPT AEP, UK)**  
**IC300 TDA8588AJ/N2/R1/M5 (MAIN Board (1/2)) (AEP, UK)**



## IC401 TDA7419TR (MAIN Board (1/2))



- IC PIN DESCRIPTIONS

- IC3 MB90486BPFV-G-177E1 (CD SYSTEM CONTROL) (SERVO BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	CDON_1500MV	O	Servo 1.5 V power supply control signal output
2 to 5	NC	—	Not used. (Open)
6	DRVON	O	Motor drive mute signal output
7	CD_BUS0	I/O	Bus data input/output 0
8	CD_BUS1	I/O	Bus data input/output 1
9	VSS	—	Ground
10	CD_BUS2	I/O	Bus data input/output 2
11	CD_BUS3	I/O	Bus data 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) (Connected to Vss)
23	DAC_ZDETR	I	Zero data detection signal input (R-ch) (Connected to Vss)
24	NC	—	Not used. (Open)
25	RXD	I	UART RXD data input (MCBUS/Flash data input)
26	TXD	O	UART TXD data 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
36	NC	—	Not used. (Open)
37	DEC_XMUTE	O	Mute signal output L: mute
38, 39	NC	—	Not used. (Open)
40	VSS	—	Ground
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	Chuck end detection switch signal input
47, 48	MD0, MD1	I	CPU operation mode designation signal input (Connected to Vcc.)
49	MD2	I	CPU operation mode designation signal input (Connected 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	NC	I	Not used. (Open)
53	MEC_SELFST	I	Disc insert detection switch signal input L: disc in interruption
54, 55	NC	—	Not used. (Open)
56	UNISI	I	Serial data input
57	UNISO	O	Serial data output
58	UNICKI	I	Serial clock input
59	LINEOFF	O	Line off signal output
60	A_ATT	O	Audio attenuation signal output H: ATT on

Pin No.	Pin Name	I/O	Pin Description	
61	XFLASH&EJECT_OK	I	Front panel open signal input	H: eject
62	OPEN_REQ	O	Front panel open/close request signal output	Not used in this set.
63	MECON	O	Mechanism deck power supply control signal output	
64	CDON	O	Servo power supply control signal output	
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	MECHA +6V power rising detection signal input	
68	CDON_CHK	I	SERVO +3.3V power rising detection signal input	
69 to 74	NC	—	Not used. (Open)	
75	RSTX	I	System reset signal input	
76	NC	—	Not used. (Open)	
77	X1A	—	Sub-clock OUTPUT	Not used in this set. (Open)
78	X0A	—	Sub-clock INPUT	Not used in this set. (Connect to Vss.)
79	VSS	—	Ground	
80	X0	I	Main-clock INPUT (12 MHz)	
81	X1	O	Main-clock OUTPUT (12 MHz)	
82	VCC	—	Power supply pin (+3.3 V)	
83	XWD	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 96	NC	—	Not used. (Open)	
97	XDES	I	Destination setting pin	
98	XLINE	I	Not used in this set. (Open)	
99, 100	NC	—	Not used. (Open)	

## • IC501 MB90F488BPF-G-9003E1 (SYSTEM CONTROL) (MAIN BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	AREASEL2	I	Destination setting pin
2	AREASEL1	I	Destination setting pin
3	AREASEL0	I	Destination setting pin
4	611_SEL	I	611WA/611TA setting pin
5	BEEP	O	Beep signal output
6	NCO	O	Not used (Open)
7	NOSE_SW	I	Front panel detect signal input
8	DIAG	I	Power AMP status signal input
9	VOLATT	O	Electronic volume attenuate control signal output
10	CYRIL_SEL	I	CYRIL/NON-CYRIL Setting pin
11	VSS	—	Ground
12	TUATT	O	Tuner mute control signal output
13	NSMASK	O	Noise mask signal output
14	WMA	I	WMA mode setting pin
15	LCD_SEL	I	Illumination voltage setting pin
16	NCO	O	Not used (Open)
17	FUNC_SEL	O	BUS AUDIO IN/TUNER select signal output
18	NCO	O	Not used (Open)
19	NCO	O	Not used (Open)
20	NCO	O	Not used (Open)
21	NCO	O	Not used (Open)
22	NCO	O	Not used (Open)
23	VCC5	—	Power supply pin (+3.3V)
24	EEP_SIO	I/O	EEPROM bus serial data input/output
25	EEP_CKO	O	EEPROM bus serial clock output
26	AMPSTB	O	Power AMP standby signal output
27	LCD_CE/FLS_SI	O	LCD driver chip enable output
28	LCD_SO/FLS_SO	O	LCD driver serial data output
29	LCD_CKO	O	LCD driver serial clock output
30	RDS ON	O	RDS ON signal output
31	NCO	O	Not used (Open)
32	NCO	O	Not used (Open)
33	I2C_CKO	O	I2C bus serial clock output
34	I2C_SIO	I/O	I2C bus serial data input/output
35	DAVDD	—	A/D converter power supply pin (+3.3V)
36	AVRH	—	A/D converter reference voltage supply pin (+3.3V)
37	DAVSS	—	Ground
38	QUALITY	I	Noise detect signal input
39	VSM	I	S-meter voltage detect signal input
40	KEYIN1	I	Key signal input
41	KEYIN0	I	Key signal input
42	VSS	—	Ground
43	RC_IN0	I	Rotary commander key signal input
44	SA_IN	I	Spectrum analyzer data input
45	SA_CKO	O	Spectrum analyzer clock output
46	DOOR_IND	O	Door indicator on/off signal output
47	RE-1	I	Rotary encoder (Volume) signal input
48	RE-0	I	Rotary encoder (Volume) signal input
49	MDO	I	Operation mode setting pin



## 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.
- Abbreviation
  - CND : Canadian model
  - EE : East European model
  - CH : Chinese model
  - MX : Mexican model

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example :

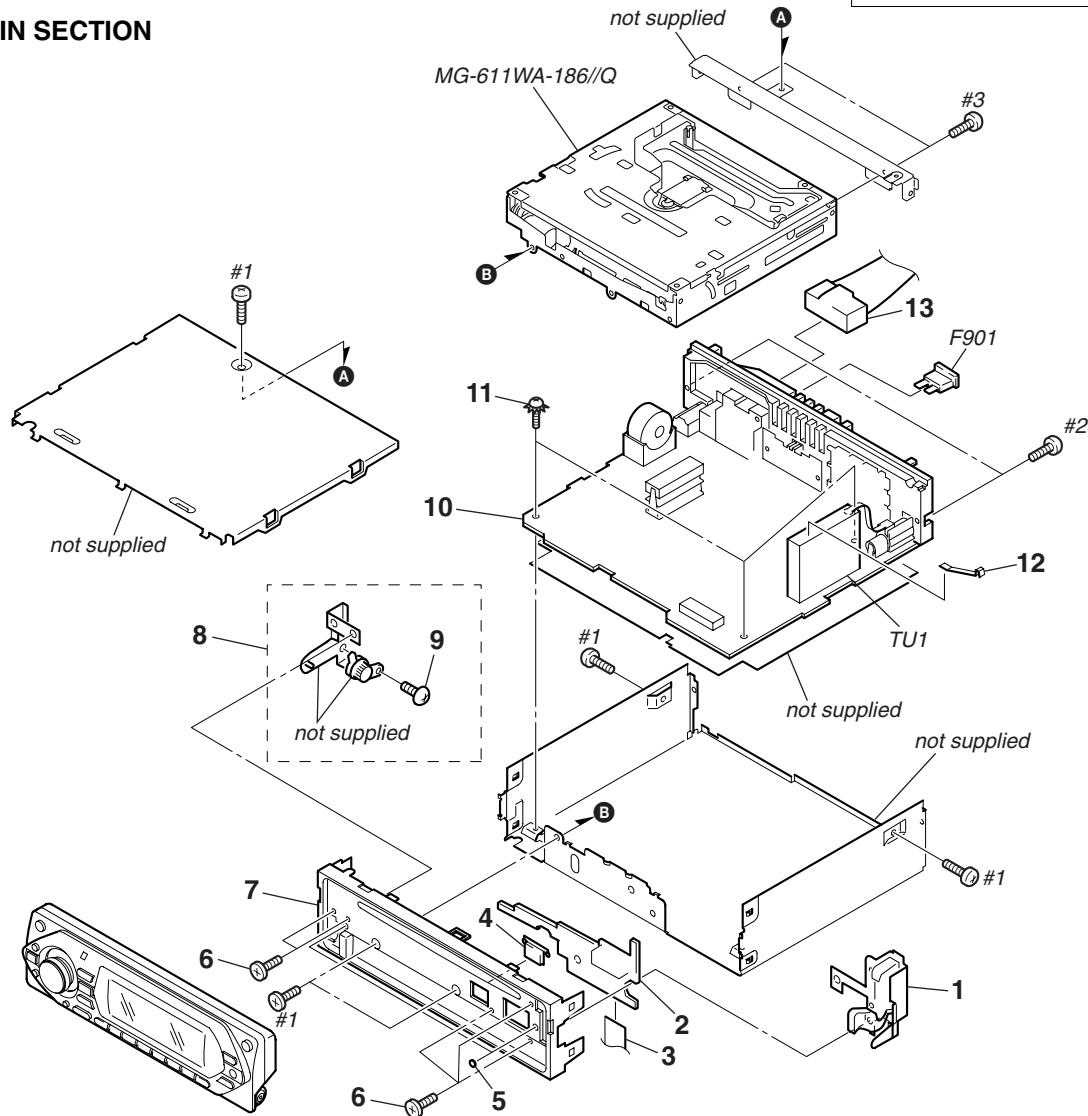
KNOB, BALANCE (WHITE) ... (RED)

Parts Color Cabinet's Color

- Accessories are given in the last of this parts list.

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

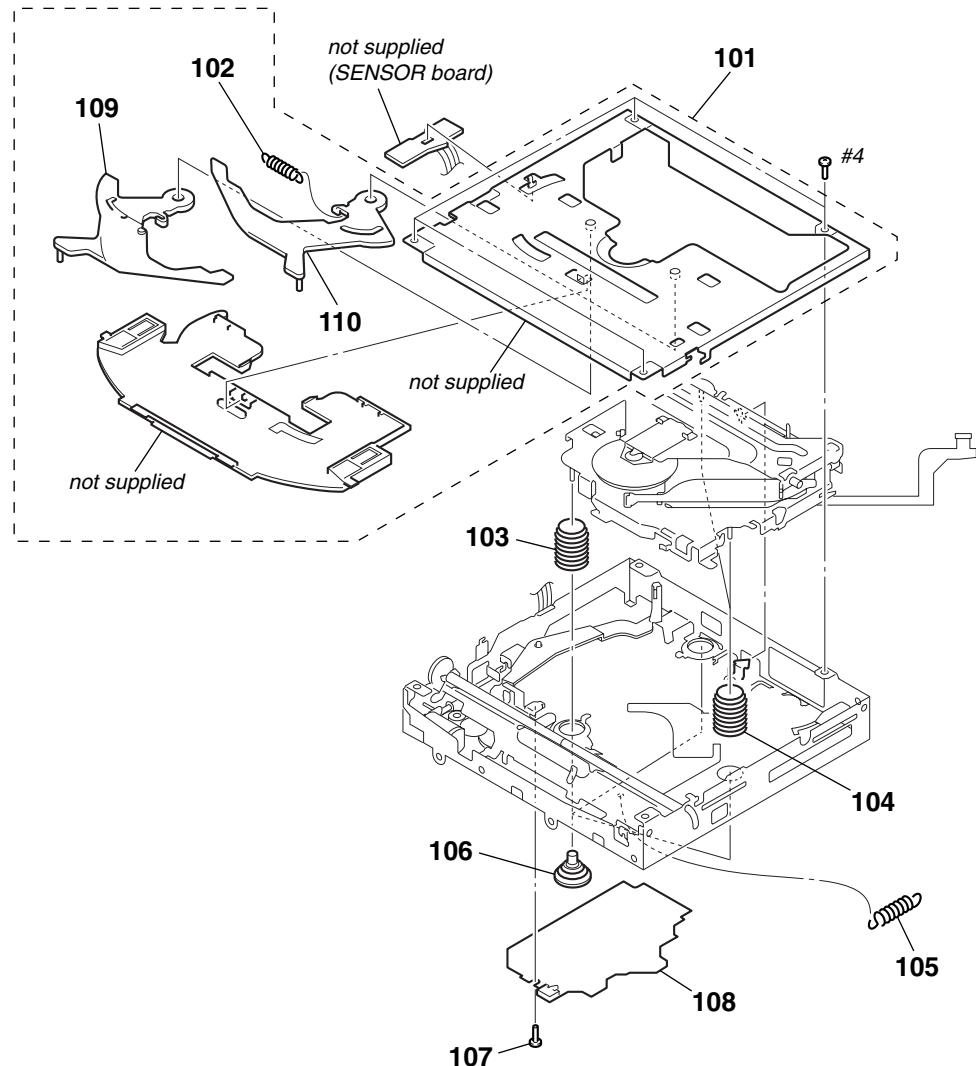
Les composants identifiés par une marque  $\triangle$  ou une ligne pointillée avec une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**4-1. MAIN SECTION**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3384-259-1	LOCK ASSY		10	A-1138-372-A	MAIN BOARD, COMPLETE	
2	A-1134-824-A	SUB BOARD, COMPLETE (GT30W/GT300EE)					(GT300:AEP,UK/GT300S)
2	A-1138-374-A	SUB BOARD, COMPLETE (GT300/GT300S/GT350/GT350S)		10	A-1138-462-A	MAIN BOARD, COMPLETE	(GT350/GT350S:E,CH,MX)
3	1-831-308-11	CABLE, FLEXIBLE FLAT (17 CORE)		11	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT	
4	3-246-441-01	BUTTON (EJECT)		12	2-021-848-01	SHEET (TU), GROUND	
5	3-260-247-01	CUSHION (SUB PANEL)		13	1-776-207-72	CORD (WITH CONNECTOR) (POWER)	(EXCEPT GT300:AEP,UK/GT300EE)
6	3-042-244-01	SCREW (T)					
7	X-2067-743-1	PANEL ASSY, SUB		13	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	
8	X-3384-203-1	GEAR ASSY					(GT300:AEP,UK/GT300EE)
9	3-713-786-51	SCREW +P 2X3		F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
10	A-1134-821-A	MAIN BOARD, COMPLETE (GT30W)		TU1	A-3220-961-B	TUNER UNIT (TUX-032)	
10	A-1134-856-A	MAIN BOARD, COMPLETE (GT300:US,CND/GT350S:CND)		#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
10	A-1138-364-A	MAIN BOARD, COMPLETE (GT300EE)		#2	7-685-793-09	SCREW +PTT 2.6X8 (S)	
				#3	7-685-790-01	SCREW +PTT 2.6X4 (S)	

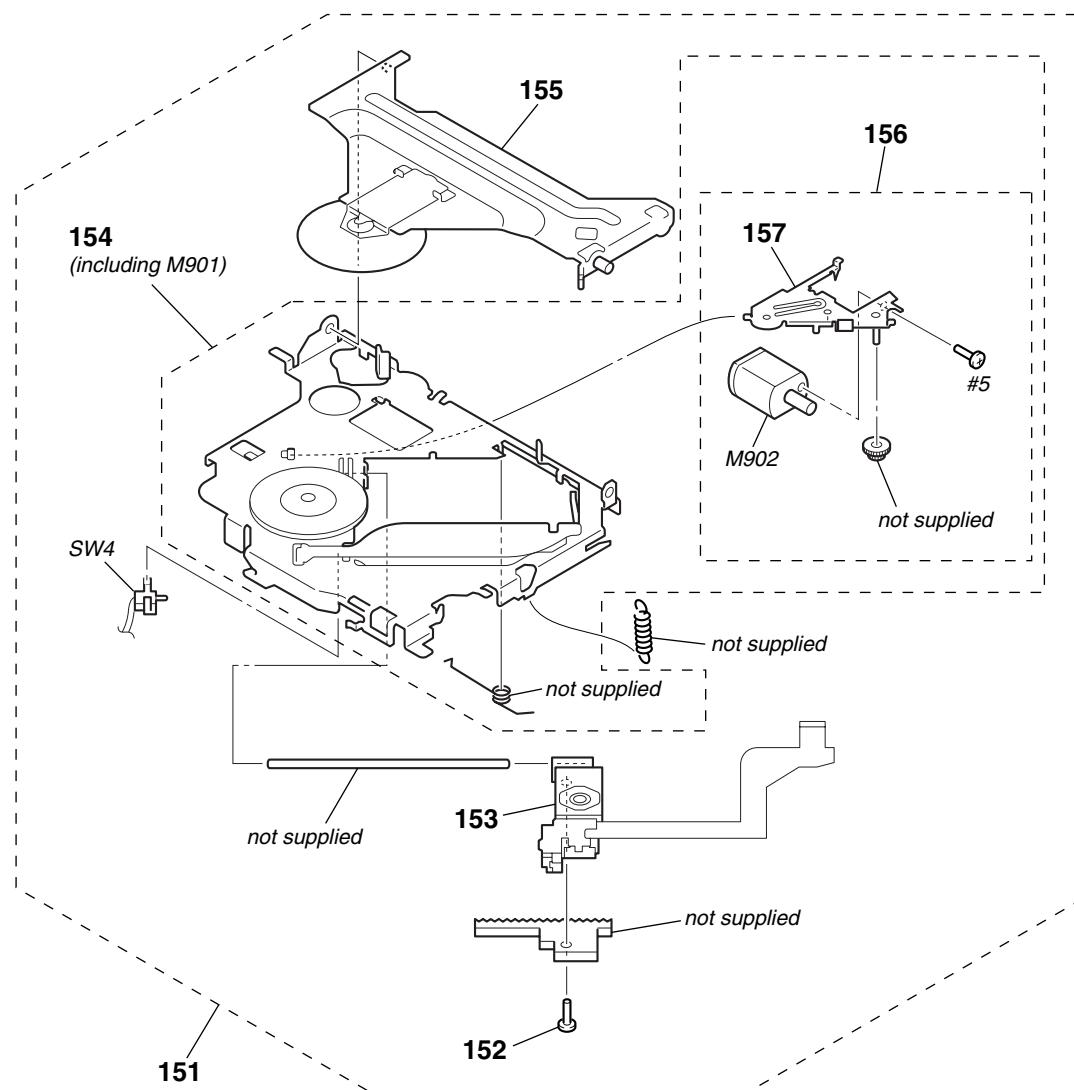


**4-3. CD MECHANISM SECTION (1)**  
**(MG-611WA-186//Q)**



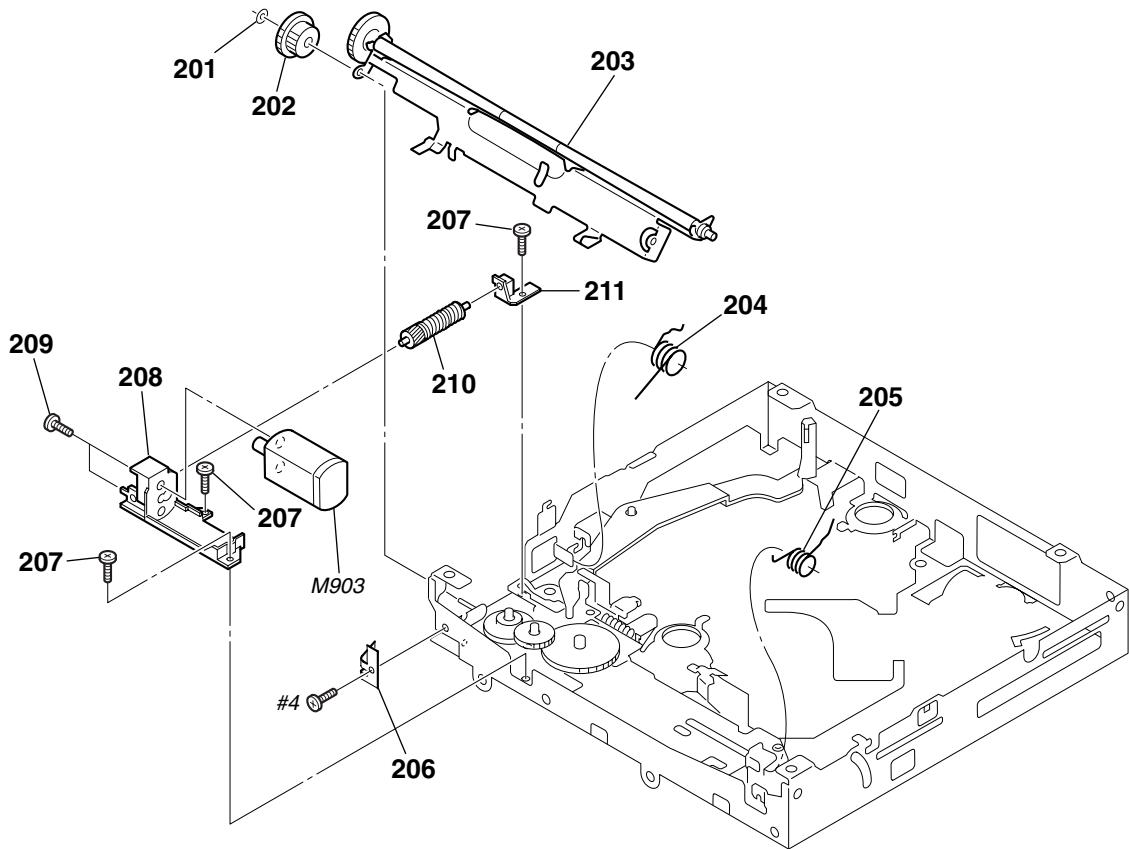
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-3372-444-A	CHASSIS (T) SUB ASSY		107	2-587-505-01	SCREW	
102	3-253-729-11	SPRING (LR), TENSION COIL		108	A-1132-412-A	SERVO BOARD, COMPLETE	
103	3-257-892-12	SPRING (DAMPER), COIL (GREEN)		109	X-3384-088-2	LEVER (L) ASSY	
104	3-257-892-01	SPRING (DAMPER), COIL (NATURAL)		110	X-3384-089-2	LEVER (R) ASSY	
105	2-345-767-11	SPRING (KF60), TENSION		#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
106	3-259-033-01	DAMPER (S)					

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



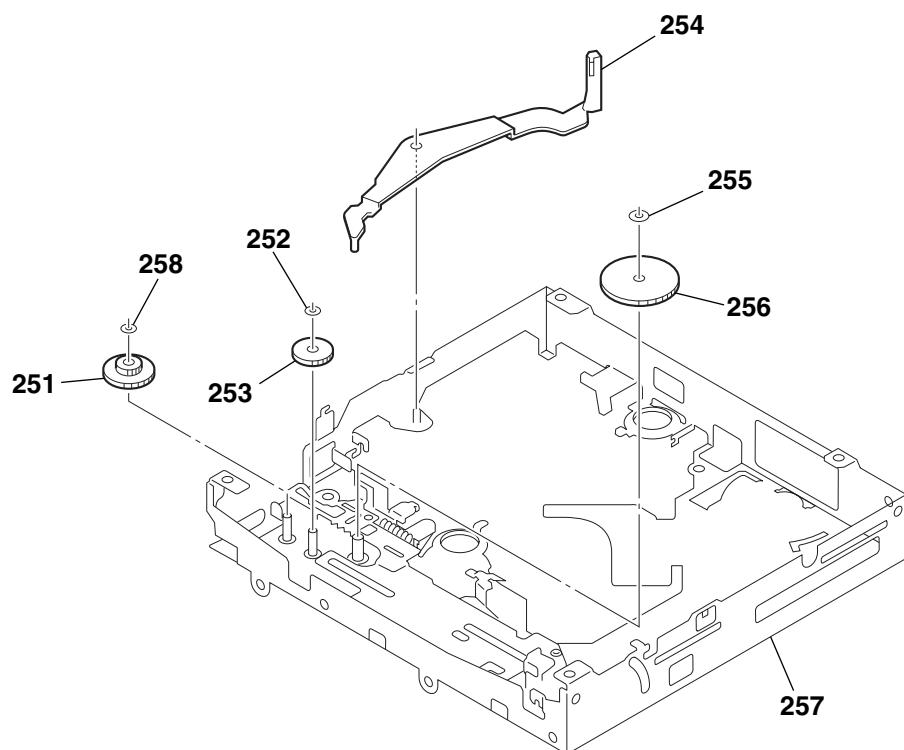
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-1075-644-A	CHASSIS (OP) COMPLETE ASSY		156	A-3372-446-A	LEVER (SL) SUB ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING		157	X-3384-090-3	LEVER (SL) ASSY	
△ 153	8-820-207-12	OPTICAL PICK-UP (KSS100E/K1RP)		M902	A-3372-447-A	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		#5	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

**4-5. CD MECHANISM SECTION (3)**  
**(MG-611WA-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-B	ARM ASSY, ROLLER		210	A-1083-636-A	GEAR (LE) ASSY	
204	3-259-455-12	SPRING (RAL)		211	2-186-697-01	BEARING (LEB-N)	
205	3-253-713-11	SPRING (RAR)		M903	A-1075-643-A	MOTOR ASSY, LE (LOADING)	
206	3-259-469-12	SPRING (LE), LEAF		#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
207	2-134-636-21	SCREW (M1.7X2.5)					

**4-6. CD MECHANISM SECTION (4)**  
**(MG-611WA-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	2-590-545-01	GEAR (LE2-M)	
253	3-259-470-12	GEAR (LE1)		257	A-1075-640-B	CHASSIS (M) BLOCK ASSY	
254	3-253-755-31	LEVER (D)		258	3-348-993-01	WASHER	













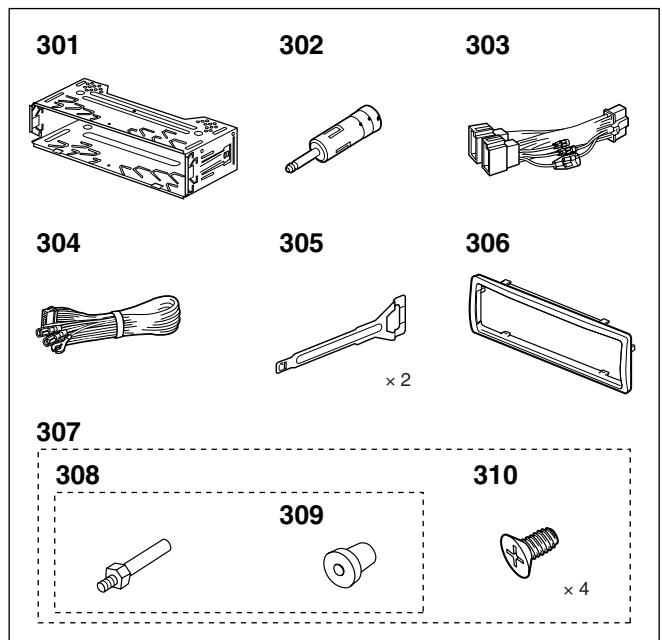








<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
PARTS FOR INSTALLATION AND CONNECTIONS			
301	X-3382-647-1	FRAME ASSY, FITTING	
302	1-465-459-31	ADAPTOR, ANTENNA (GT300:AEP,UK/GT300EE/GT300S)	
303	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER) (GT300:AEP,UK/GT300EE/GT300S)	
304	1-776-207-72	CORD (WITH CONNECTOR) (POWER) (GT30W/GT300:US,CND/GT350/GT350S)	
305	3-246-471-01	KEY (FRAME)	
306	2-638-099-01	COLLAR	
307	X-3381-154-1	SCREW ASSY (BS4), FITTING (GT300EE/GT350/GT350S:E,CH,MX)	
308	X-3382-926-1	SCREW ASSY (BS), FITTING (GT300:AEP,UK/GT300S)	
309	3-349-410-11	BUSHING (EXCEPT GT30W/GT300:US,CND)	
310	3-934-325-01	SCREW, +K (5X8) TAPPING (EXCEPT GT300:AEP,UK/GT300S)	



MEMO

## 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.

<b>Ver.</b>	<b>Date</b>	<b>Description of Revision</b>
1.0	2005.09	New