

# CDX-L550X/L570X

## SERVICE MANUAL

Ver 1.0 2001. 01

US Model  
Canadian Model  
CDX-L550X  
E Model  
CDX-L570X



Photo: CDX-L550X

- The tuner and CD sections have no adjustments.

### AUDIO POWER SPECIFICATIONS (US Model)

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

### CD player section

Signal-to-noise ratio 90 dB  
Frequency response 10 – 20,000 Hz  
Wow and flutter Below measurable limit  
Laser Diode Properties (US, Canadian Model)  
Material GaAlAs  
Wavelength 780 nm  
Emission Duration Continuous  
Laser output power Less than 44.6  $\mu$ W\*

\* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

### Tuner section

**FM**  
Tuning range 87.5 – 107.9 MHz (US, Canadian model)  
FM tuning interval (E Model):  
50 kHz/200 kHz switchable  
87.5 – 108 MHz (at 50 kHz step)  
87.5 – 107.9 MHz (at 200 kHz step)  
Antenna terminal External Antenna connector  
Intermediate frequency 10.7 MHz/450 kHz  
Usable sensitivity 8 dBf  
Selectivity 75 dB at 400 kHz  
Signal-to-noise ratio 66 dB (stereo),  
72 dB (mono)  
Harmonic distortion at 1 kHz  
0.6% (stereo),  
0.3% (mono)  
Separation 35 dB at 1 kHz  
Frequency response 30 – 15,000 Hz

### AM

Tuning range 530 – 1,710 kHz (US, Canadian model)  
AM tuning interval (E model):  
9 kHz/10 kHz switchable  
531 – 1,602 kHz (at 9 kHz step)  
530 – 1,710 kHz (at 10 kHz step)  
Antenna terminal External Antenna connector  
Intermediate frequency 10.7 MHz/450 kHz  
Sensitivity 30  $\mu$ V

9-870-255-11  
2001A0400-1  
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**Sony Corporation**  
Audio Entertainment Group  
General Engineering Dept.

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-393X-121//K
Optical Pick-up Name	KSS-720A

## SPECIFICATIONS

### 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  
Power Antenna relay control lead  
Power amplifier control lead  
Telephone ATT control lead  
Input Bass  $\pm$ 10 dB at 62 Hz (US, Canadian model)  
Tone controls Bass  $\pm$ 8 dB at 100 Hz (E model)  
Treble  $\pm$ 10 dB at 16 kHz (US, Canadian model)  
Treble  $\pm$ 8 dB at 10 kHz (E model)  
Loudness (E model) +8 dB at 100 Hz  
+2 dB at 10 kHz  
Power requirements 12 V DC car battery  
(negative ground)  
Dimensions Approx. 178  $\times$  50  $\times$  176 mm  
(7 1/8  $\times$  2  $\times$  7 in.) (w/h/d)  
Mounting dimensions Approx. 182  $\times$  53  $\times$  161 mm  
(7 1/4  $\times$  2 1/8  $\times$  6 3/8 in.) (w/h/d)  
Mass Approx. 1.2 kg  
(2 lb. 10 oz.)  
Supplied accessories Parts for installation and connections (1 set)  
Front panel case (1)

### Note

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

*Design and specifications are subject to change without notice.*

## FM/AM COMPACT DISC PLAYER

# SONY®

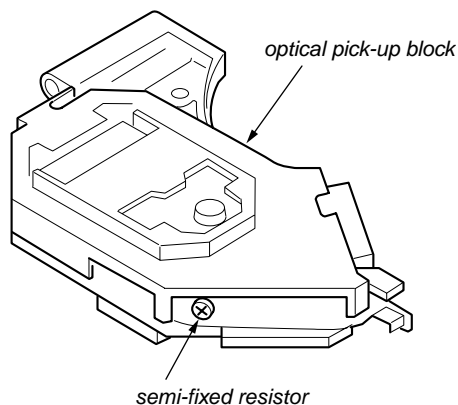
**SERVICE NOTES**

**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.



**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.

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**SAFETY-RELATED COMPONENT WARNING!!**

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

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

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

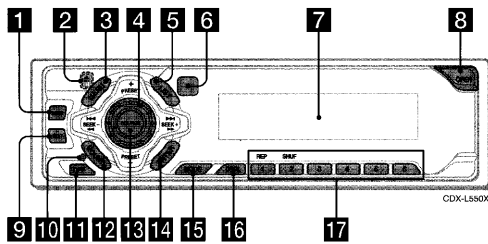
# SECTION 1 GENERAL

This section is extracted from instruction manual.

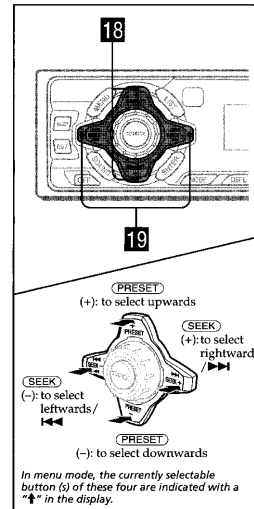
## Location of controls

Refer to the pages listed for details.

**CD** : During Playback    **RADIO** : During radio reception    **MENU** : During menu mode

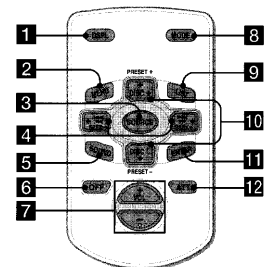


- 1 MBP (My Best sound Position) button 17
  - 2 **(Eject)** button (located on the front side of the unit, behind the front panel) 9
  - 3 MENU button 9, 11, 12, 13, 16, 18
  - 4 Volume control dial
  - 5 LIST button 13
  - 6 Receptor for the card remote commander
  - 7 Display window
  - 8 OPEN button 8, 9
  - 9 EQ7 button 17
  - 10 RESET button (located on the front side of the unit, behind the front panel) 7
  - 11 OFF (Stop/Power off) button\* 8, 9
  - 12 SOUND button 15, 17
  - 13 SOURCE (Power on/Radio/CD) button 8, 9, 11, 12, 17
  - 14 ENTER button RADIO 13
  - 15 MENU 9, 11, 12, 13, 16, 18
  - 16 MODE button 11, 12
  - 17 DSP (display mode change) button 10, 13
  - 18 Number buttons
    - CD**
    - ① REP 10
    - ② SHUF 10
    - RADIO** 11, 12
- \* **Warning when installing in a car without an ACC (accessory) position on the ignition key switch**  
 Be sure to press **(OFF)** on the unit for 2 seconds to turn off the clock display after turning off the engine. Otherwise, the clock display does not turn off and this causes battery drain.



- 18 PRESET buttons (+/-) RADIO 11, 13 MENU 9, 11, 12, 13, 16, 18
- 19 SEEK buttons (-/+) 15 CD 9 RADIO 11, 12 MENU 9, 12, 16, 18

## Card remote commander RM-X114 (optional)



The corresponding buttons of the card remote commander control the same functions as those on this unit.

- 1 DSP button
- 2 MENU button
- 3 SOURCE button
- 4 SEEK (←/→) buttons
- 5 SOUND button
- 6 OFF button
- 7 VOL (+/-) buttons
- 8 MODE button
- 9 LIST button
- 10 PRESET (↑/↓) buttons
- 11 ENTER button
- 12 ATT button

**Note**  
 If the unit is turned off by pressing **(OFF)** for 2 seconds, it cannot be operated with the card remote commander unless **(SOURCE)** on the unit is pressed, or a disc is inserted to activate the unit first.

**Tip**  
 Refer to "Replacing the lithium battery" for details on how to replace the batteries (page 19).

## Precautions

- If your car was parked in direct sunlight, allow the unit to cool off before operating it.
- Power antennas will extend automatically while the unit is operating.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

### Moisture condensation

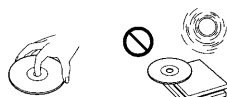
On a rainy day or in a very damp area, moisture condensation may occur inside the lenses and display of the unit. Should this occur, the unit will not operate properly. In such a case, remove the disc and wait for about an hour until the moisture has evaporated.

### To maintain high sound quality

Be careful not to splash juice or other soft drinks onto the unit or discs.

## Notes on discs

- To keep the disc clean, do not touch the surface. Handle the disc by its edge.
- Keep your discs in their cases or disc magazines when not in use. Do not subject the discs to heat/high temperature. Avoid leaving them in parked cars or on dashboards/rear trays.



- Do not attach labels, or use discs with sticky ink/residue. Such discs may stop spinning when used, causing a malfunction, or may ruin the disc.



- Discs with special shapes (heart-shaped discs, octagonal discs, etc.) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- You cannot play 8 cm (3 in.) CDs.
- Before playing, clean the discs with a commercially available cleaning cloth. Wipe each disc from the center out. Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analog discs.



## Notes on CD-R discs

- You can play CD-Rs (recordable CDs) designed for audio use on this unit. Look for this mark to distinguish CD-Rs for audio use.



This mark denotes that a disc is not for audio use.



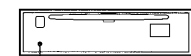
- Some CD-Rs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
  - You cannot play a CD-R that is not finalized\*.
- \* A process necessary for a recorded CD-R disc to be played on the audio CD player.

## Getting Started

### Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.

Remove the front panel and press the RESET button with a pointed object, such as a ball-point pen.



RESET button

**Note**  
 Pressing the RESET button will erase the clock setting and some stored contents.

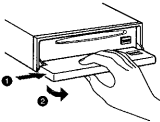
**Detaching the front panel**

You can detach the front panel of this unit to protect the unit from being stolen.

**Caution alarm**

If you turn the ignition switch to the OFF position without removing the front panel, the caution alarm will beep for a few seconds. If you connect an optional amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

- 1 Press (OFF)\*. CD playback or radio reception stops (the key illumination and display remain on).
  - \* If your car has no ACC position on the ignition switch, be sure to turn the unit off by pressing (SEEK) for 2 seconds to avoid car battery drain.
- 2 Press (OPEN), then slide the front panel to the right, and gently pull out the left end of the front panel.

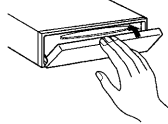
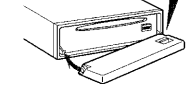
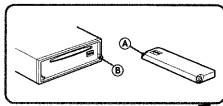


- Notes**
- If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.
  - Do not drop or put excessive pressure on the front panel and its display window.
  - Do not subject the front panel to heat/high temperature or moisture. Avoid leaving it in parked cars or on dashboards/rear trays.

**Tip**  
When carrying the front panel with you, use the supplied front panel case.

**Attaching the front panel**

Place hole (A) of the front panel onto the spindle (B) on the unit, then lightly push the left side in. Press (SOURCE) (or insert a CD) to operate the unit.



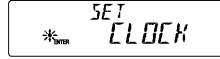
**Note**  
Do not put anything on the inner surface of the front panel.

**Setting the clock**

The clock uses a 12-hour digital indication.

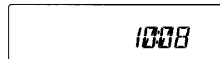
Example: To set the clock to 10:08

- 1 Press (MENU), then press either side of (PRESET) repeatedly until "CLOCK" appears.



- 1 Press (ENTER). The hour indication flashes.
- 2 Press either side of (PRESET) to set the hour.
- 3 Press the (+) side of (SEEK). The minute indication flashes.
- 4 Press either side of (PRESET) to set the minute.

- 2 Press (ENTER).



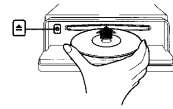
The clock starts. After the clock setting is completed, the display returns to normal play mode.

**Tip**  
When D.INFO mode is set to ON, the time is always displayed (page 16).

**CD Player**

**Playing a disc**

- 1 Press (OPEN) and insert the disc (labeled side up).



- 2 Close the front panel. Playback starts automatically.

If a disc is already inserted, press (SOURCE) repeatedly until "CD" appears to start playback.

To	Press
Stop playback	(OFF)
Eject the disc	(OPEN) then ▲
Skip tracks	(SEEK) (◀/▶)
- Automatic	[once for each track]
Music Sensor	
Fast-forward/reverse	(SEEK) (◀/▶)
- Manual Search	[hold to desired point]

**Note**  
When the last track on the disc is over, playback restarts from the first track of the disc.

**Radio**

The unit can store up to 6 stations per band (FM1, FM2, FM3, AM1, and AM2).

**Caution**  
When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

**Storing stations automatically**

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals within the selected band, and stores them in the order of their frequency.

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press (MODE) repeatedly to select the band.
- 3 Press (MENU), then press either side of (PRESET) repeatedly until "BTM" appears.
- 4 Press (ENTER). A beep sounds when the setting is stored.

**Notes**

- If only a few stations can be received due to weak signals, some number buttons will retain their former settings.
- When a number is indicated in the display, the unit starts storing stations from the one currently displayed.

**Receiving the stored stations**

- 1 Press (SOURCE) repeatedly to select the radio.
- 2 Press (MODE) repeatedly to select the band.
- 3 Press the number button (1 to 6) on which the desired station is stored.

**Tip**  
Press either side of (PRESET) to receive the stations in the order they are stored in the memory (Preset Search function).

**If preset tuning does not work**

Press either side of (SEEK) to search for the station (automatic tuning). Scanning stops when the unit receives a station. Repeat until the desired station is received.

- Tips**
- If automatic tuning stops too frequently, turn on the Local Seek to limit seek to stations with stronger signals (see "Changing the sound and display settings," page 16).
  - If you know the frequency of the station you want to listen to, press and hold either side of (SEEK) to locate the approximate frequency, then press (SEEK) repeatedly to fine adjust to the desired frequency (manual tuning).

**If FM stereo reception is poor**

Select monaural reception mode. (see "Changing the sound and display settings," page 16). The sound improves, but becomes monaural ("ST" disappears).

**Note**  
If interference occurs, this unit will automatically narrow the reception frequency to eliminate noise (IF AUTO function). In such cases, some FM stereo broadcasts may become monaural while in the stereo reception mode.

**Tip**  
To always hear FM stereo broadcasts in stereo, you can change the IF AUTO setting and widen the frequency signal reception (see "Changing the sound and display settings," page 16). Note that some interference may occur in this setting.

**Display items**

When the disc/track changes, any prerecorded title of the new disc/track is automatically displayed (if the Auto Scroll function is set to "ON," names exceeding 8 characters will be scrolled (page 16)).

- Displayable items
- Music source
  - Clock
  - Function



- Displayable items
- Disc name<sup>\*)</sup>/artist name<sup>\*)</sup>
  - Track title<sup>\*)</sup>
  - Elapsed playing time

To	Press
Switch display item	(DISPL)

<sup>\*)</sup> "NO NAME" indicates there is no prerecorded name to display.  
<sup>\*\*)</sup> Only for CD TEXT discs with the artist name.

- Notes**
- Some characters cannot be displayed.
  - For some CD TEXT discs with very many characters, information may not scroll.
  - This unit cannot display the artist name for each track of a CD TEXT disc.

**Playing tracks repeatedly**

— Repeat Play

The current track will repeat itself when it reaches the end.

- During playback, press (REP) repeatedly until "REP-1" appears in the display. Repeat Play starts.

To return to normal play mode, select "REP-OFF."

**Playing tracks in random order**

— Shuffle Play

You can select to play the tracks on the current disc in random order.

- During playback, press (SHUF) repeatedly until "SHUF-1" appears in the display. Shuffle Play starts.

To return to normal play mode, select "SHUF-OFF."

### Storing only the desired stations

You can manually preset the desired stations on any chosen number button.

- 1 Press **(SOURCE)** repeatedly to select the radio.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press either side of **(SEEK)** to tune in the station that you want to store.
- 4 Press the desired number button (1 to 6) for 2 seconds until "MEM" appears. The number button indication appears in the display.

**Note**  
If you try to store another station on the same number button, the previously stored station will be erased.

### Storing station names

— Station Memo

You can assign a name to each radio station and store it in memory. The name of the station currently tuned in appears in the display. You can assign a name using up to 8 characters for a station.

#### Storing the station names

- 1 Tune in a station whose name you want to store.
- 2 Press **(MENU)**, then press either side of **(PRESET)** repeatedly until "NAMEEDIT" appears.
- 3 Press **(ENTER)**.



#### 4 Enter the characters.

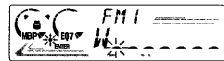
- 1 Press the (+) side of **(PRESET)** repeatedly to select the desired character.

A → B → C ... → 0 → 1 → 2 ...  
→ \* → → \* ... → \* → A

\*1 For reverse order, press the (-) side of **(PRESET)**.

\*2 (blank space)

- 2 Press the (+) side of **(SEEK)** after locating the desired character.



If you press the (-) side of **(SEEK)**, you can move back to the left.

- 3 Repeat steps 1 and 2 to enter the entire name.

- 5 Press **(ENTER)**.

**Tips**

- Simply overwrite or enter "-" to correct or erase a name.
- There is another way to start storing station names: Press **(LIST)** for 2 seconds instead of performing steps 2 and 3. You can also complete the operation by pressing **(LIST)** for 2 seconds instead of step 5.

#### Displaying the station name

Switch the display item to frequency or station name\*.

To	Press
Switch display item	<b>(DSPL)</b> during radio reception

\* If the station name is not stored, "NO NAME" appears in the display for one second.

#### Erasing the station name

- 1 During radio reception, press **(MENU)**, then press either side of **(PRESET)** repeatedly until "NAME DEL" appears.
- 2 Press **(ENTER)**.
- 3 Press either side of **(PRESET)** repeatedly to select the station whose name you want to erase.
- 4 Press **(ENTER)** for 2 seconds. The name is erased. Repeat steps 3 to 4 if you want to erase other names.
- 5 Press **(MENU)** twice. The unit returns to normal radio reception mode.

**Note**  
If you have already erased all of the station names, "NO DATA" appears in step 4.

### Locating a station by name — List-up

- 1 During radio reception, press **(LIST)**. The name assigned to the station currently tuned appears in the display.



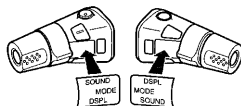
- 2 Press either side of **(PRESET)** repeatedly until you find the desired station. If no name is assigned to the selected station, the frequency appears in the display.
- 3 Press **(ENTER)** to tune in the desired station.

### Other Functions

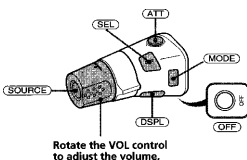
You can also control the unit with a rotary commander (optional).

#### Using the rotary commander

First, attach the appropriate label depending on how you want to mount the rotary commander. The rotary commander works by pressing buttons and/or rotating controls.



#### By pressing buttons



Rotate the VOL control to adjust the volume.

Press	To
<b>(SOURCE)</b>	Change source (radio/CD)
<b>(MODE)</b>	Change radio band
<b>(ATT)</b>	Attenuate sound
<b>(OFF)*</b>	Stop playback or radio reception
<b>(SOUND)</b>	Adjust the sound menu
<b>(DSPL)</b>	Change the display item

\* If your car has no ACC (accessory) position on the ignition key switch, be sure to press **(OFF)** for 2 seconds to turn off the clock indication after turning off the ignition.

#### By rotating the control



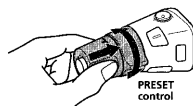
#### Rotate and release to:

– Skip tracks.  
– Tune in stations automatically.

#### Rotate, hold, and release to:

– Fast-forward/reverse a track.  
– Find a station manually.

#### By pushing in and rotating the control

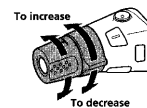


#### Push in and rotate the control to:

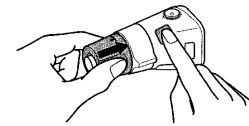
– Receive preset stations.

#### Changing the operative direction

The operative direction of controls is factory-set as shown below.



If you need to mount the rotary commander on the right hand side of the steering column, you can reverse the operative direction.



Press **(SOUND)** for 2 seconds while pushing the VOL control.

### Adjusting the sound characteristics

You can adjust the bass, treble, balance, and fader. The bass and treble levels can be stored independently for each source.

- 1 Select the item you want to adjust by pressing **(SOUND)** repeatedly. Each time you press **(SOUND)**, the item changes as follows:

BAS (bass) → TRE (treble) → BAL (left-right) → FAD (front-rear)

- 2 Adjust the selected item by pressing either side of **(SEEK)**. When adjusting with the rotary commander, press **(SOUND)** and rotate the VOL control.

**Note**  
Adjust within 3 seconds after selecting the item.

### Quickly attenuating the sound

(With the rotary commander or the card remote commander)

Press **(ATT)** on the rotary commander or card remote commander. After "ATT-ON" momentarily appears, the "ATT" appears in the display.

To restore the previous volume level, press **(ATT)** again.

## Changing the sound and display settings — Menu

The following items can be set:

### SET (Set Up)

- **CLOCK** (page 9)
- **BEEP** — to turn the beeps on or off.
- **RM (Rotary Commander)** — to change the operative direction of the controls of the rotary commander.
  - Select "NORM" to use the rotary commander as the factory-set position.
  - Select "REV" when you mount the rotary commander on the right side of the steering column.

### DSPL (Display)

- **D.INFO (Dual Information)** — to display the clock and the play mode at the same time (ON).
- **M.DSPL (Motion Display)** — to select the Motion Display mode from "1," "2," and "OFF."
  - Select "1" to show decoration lines in the display and activate Demo display.
  - Select "2" to show decoration lines in the display and deactivate Demo display.
  - Select "OFF" to deactivate the Motion Display.
- **A.SCRL (Auto Scroll)**
  - Select "ON" to scroll all automatically displayed names exceeding 8 characters.
  - When Auto scroll is set to off and the disc/track name is changed, the disc/track name does not scroll.

### SND (Sound)

- **LOUD (Loudness)** — to enjoy bass and treble even at low volumes. The bass and treble will be reinforced.

### P/M (Play Mode)

- **LOCAL-ON/OFF (Local seek mode)** (page 11)
  - Select "ON" to only tune into stations with stronger signals.
- **MONO-ON/OFF (Monaural mode)** (page 11)
  - Select "ON" to hear FM stereo broadcast in monaural. Select "OFF" to return to normal mode.
- **IF AUTO/WIDE** (page 11)

**1** Press **(MENU)**.  
To set A.SCRL, press **(MENU)** during CD Playback.

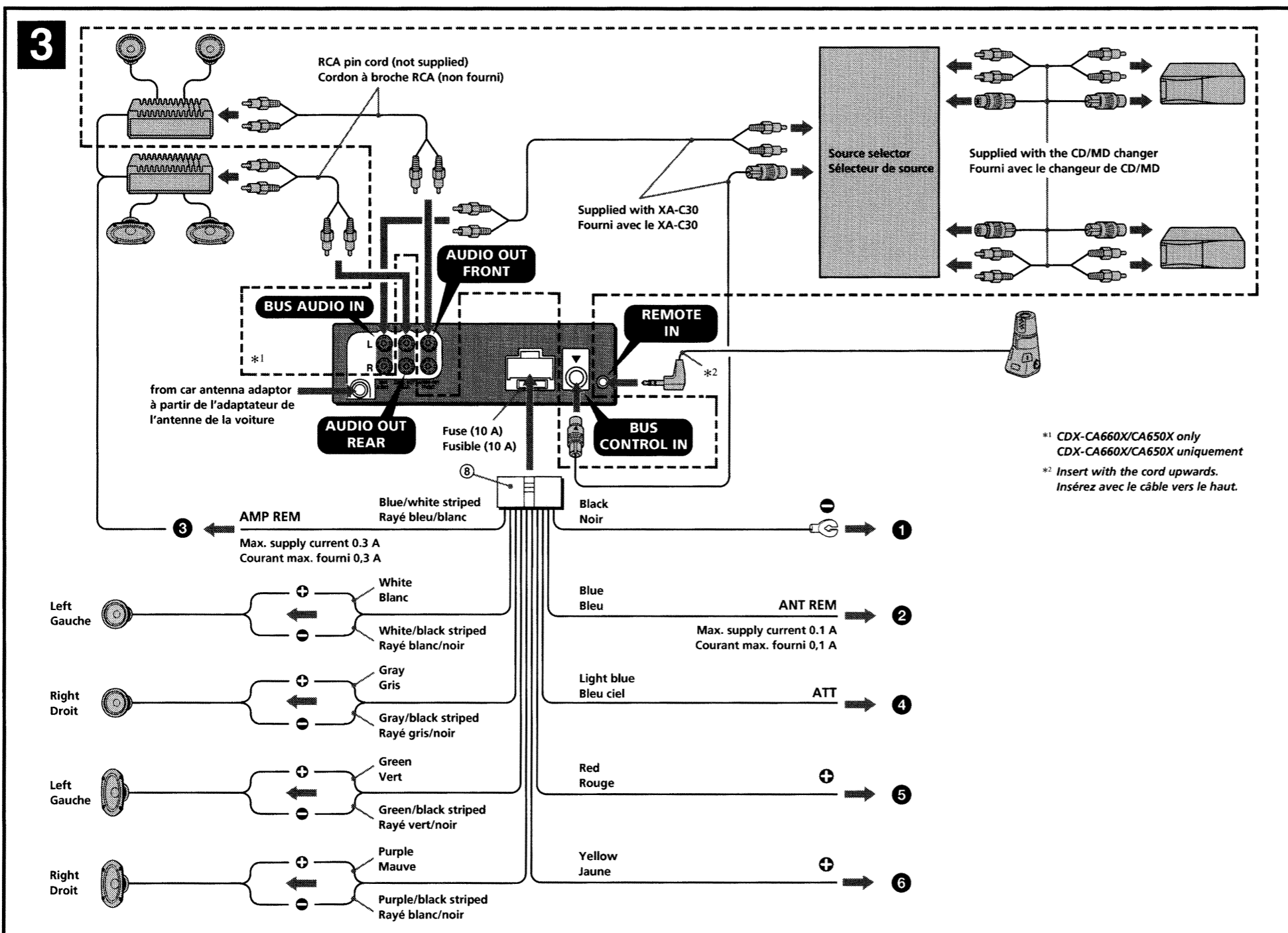
**2** Press either side of **(PRESET)** repeatedly until the desired item appears.

**3** Press the (+) side of **(SEEK)** to select the desired setting (Example: ON or OFF).

**4** Press **(ENTER)**.  
After the mode setting is completed, the display returns to normal play mode.

**Note**  
The displayed item will differ depending on the source.

**Tip**  
You can easily switch among categories ("SET," "DSPL," "SND," and "P/M") by pressing either side of **(PRESET)** for 2 seconds.



### Connection diagram (3)

- 1** To a metal surface of the car  
First connect the black ground lead, then connect the yellow and red power input leads.
- 2** 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 FMIAM antenna in the rear/side glass, see "Notes on the control and power supply leads."
- 3** To AMP REMOTE IN of an optional power amplifier  
This connection is only for amplifiers. Connecting any other system may damage the unit.
- 4** To the interface cable of a car telephone
- 5** 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 it first.
  - When your car has a built-in FMIAM antenna in the rear/side glass, see "Notes on the control and power supply leads."
- 6** To the +12 V power terminal which is energized at all times  
Be sure to connect the black ground lead to it 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 FMIAM antenna in the rear/side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.
- A power antenna without relay box cannot be used with this unit.

#### Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

#### Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.
- Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.
- Do not 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.

### Cautions

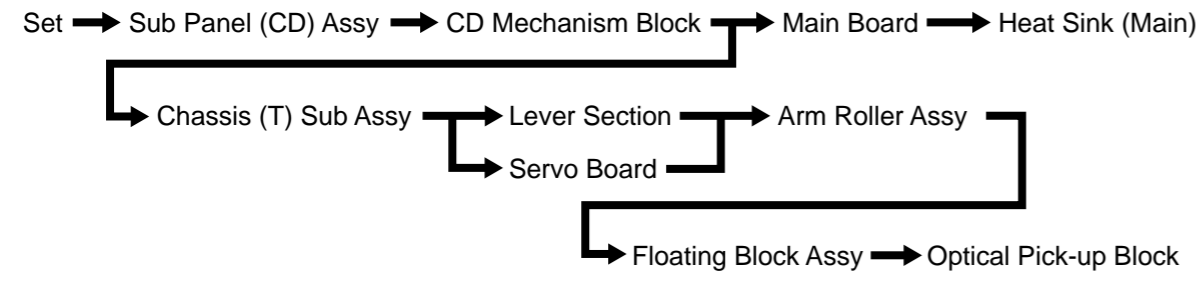
- This unit is designed for negative ground 12 V DC operation only.
- Do not get the wires under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the yellow and red power input leads only after all other leads have been connected.
- **Run all ground wires to a common ground point.**
- Be sure to insulate any loose unconnected wires with electrical tape for safety.

### Notes on the power supply cord (yellow)

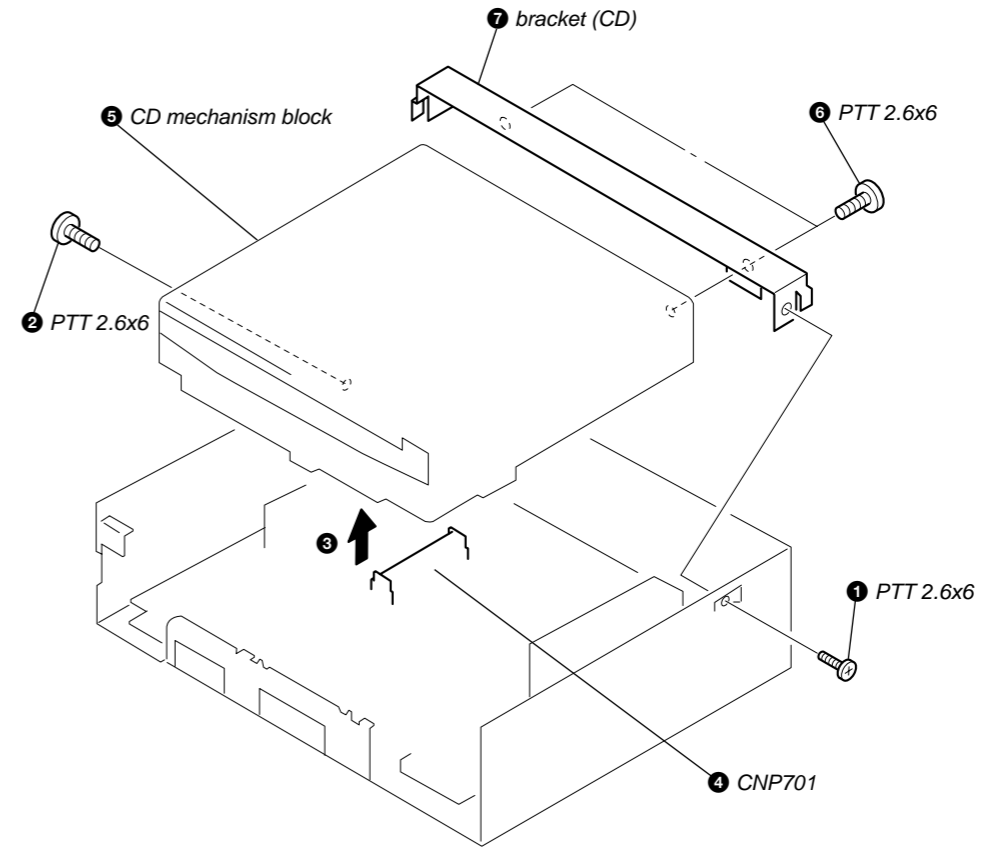
- When connecting this unit in combination with other stereo components, the connected car circuit's rating must be higher than the sum of each component's fuse.
- When no car circuits are rated high enough, connect the unit directly to the battery.

**SECTION 2  
DISASSEMBLY**

**Note :** This equipment can be removed using the following procedure.

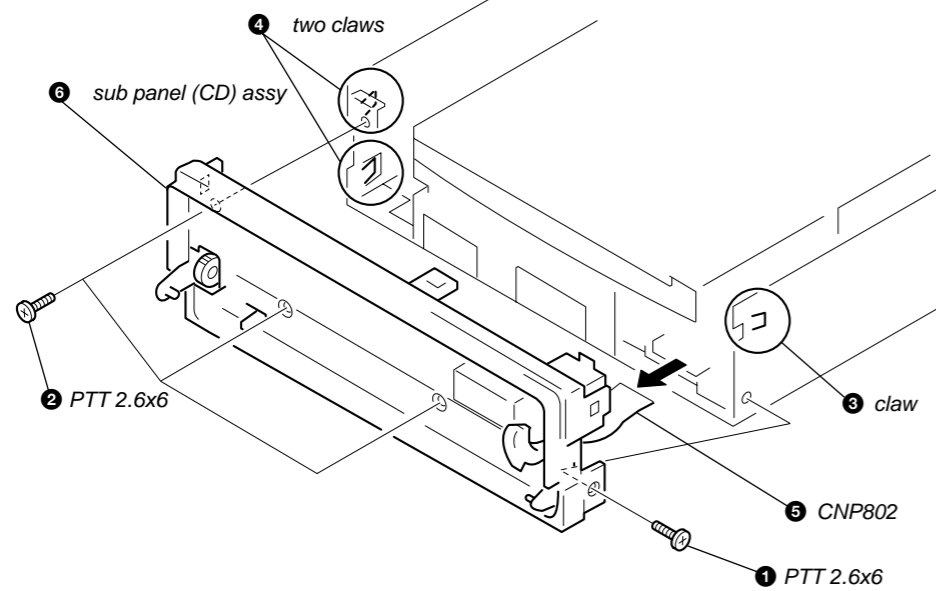


**2-2. CD MECHANISM BLOCK**

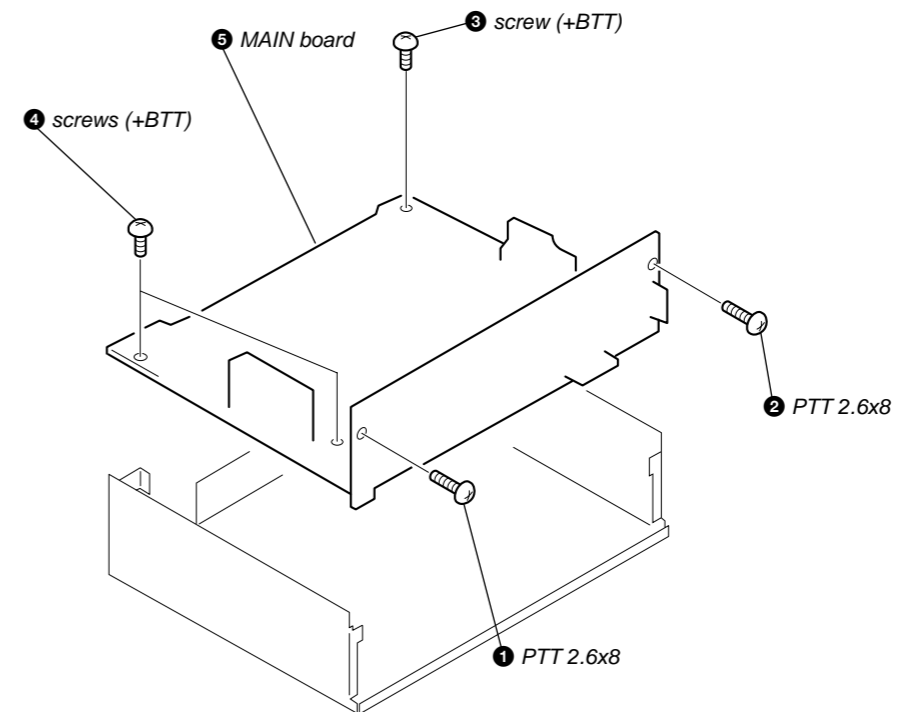


**Note :** Follow the disassembly procedure in the numerical order given.

**2-1. SUB PANEL (CD) ASSY**

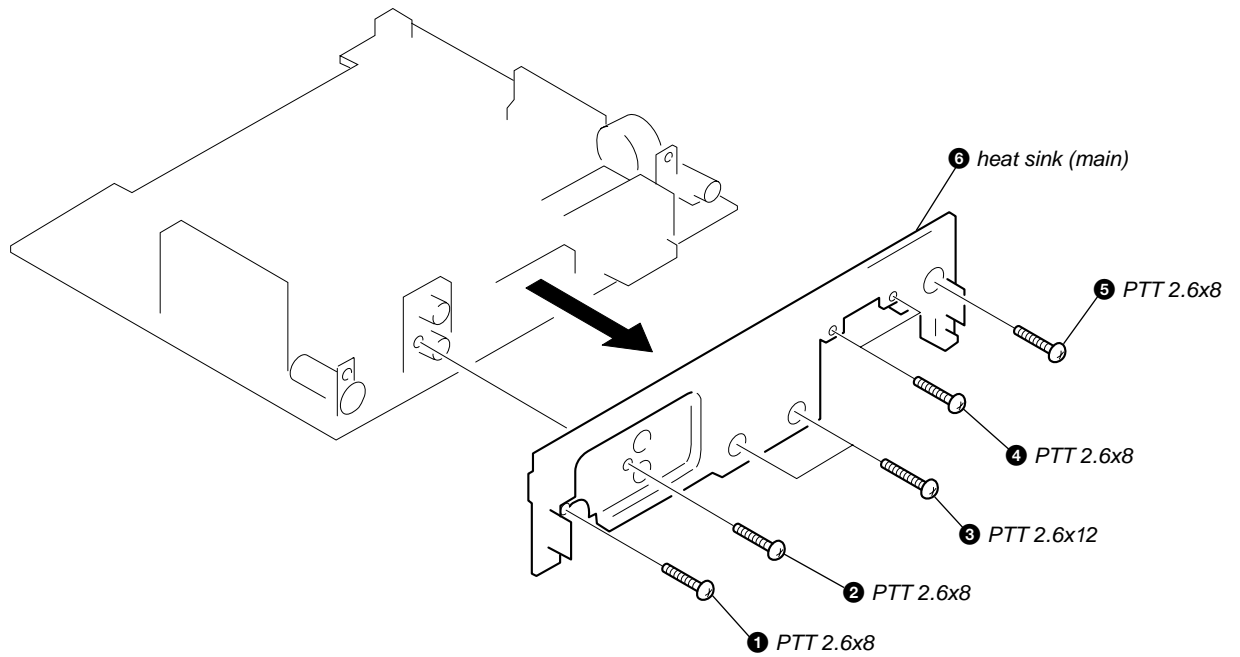


**2-3. MAIN BOARD**

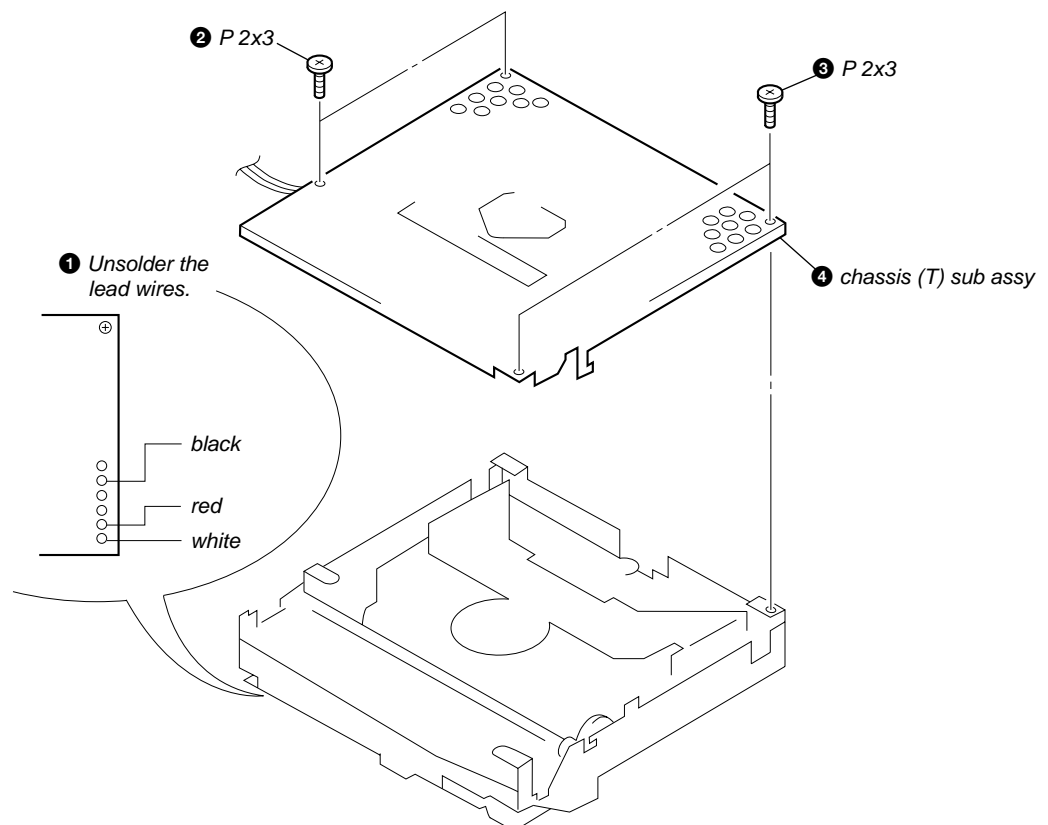




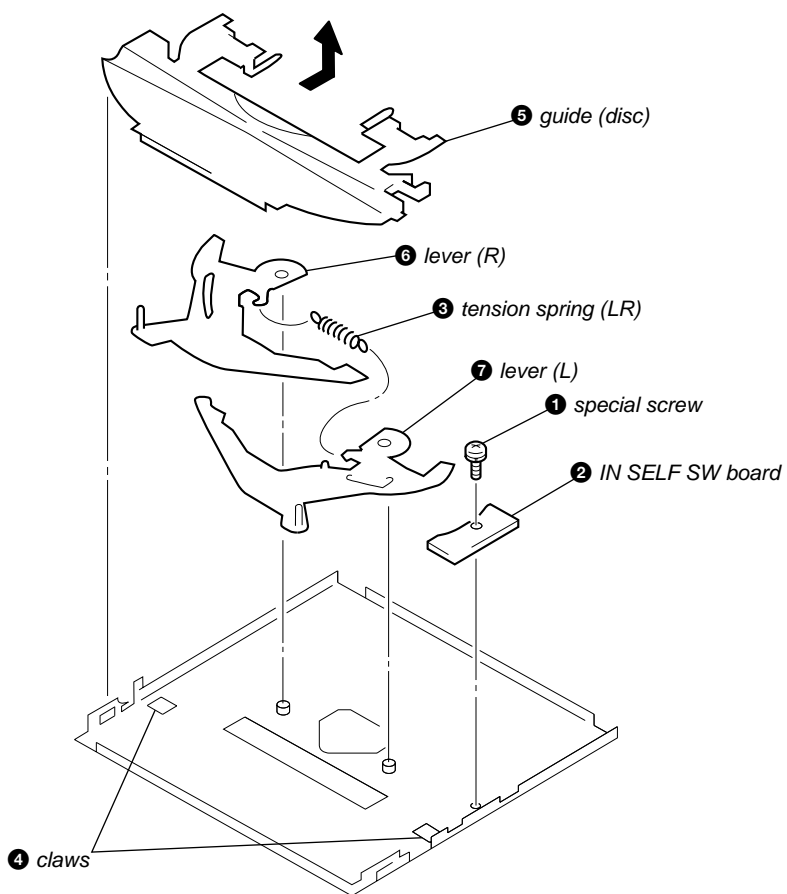
2-4. HEAT SINK (MAIN)



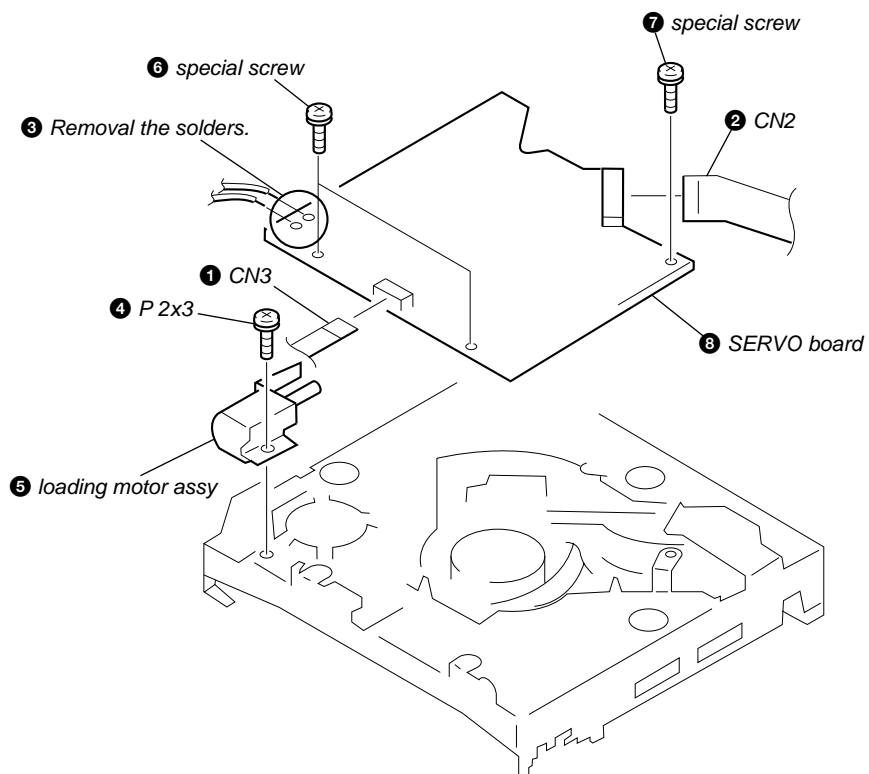
2-5. CHASSIS (T) SUB ASSY



2-6. LEVER SECTION

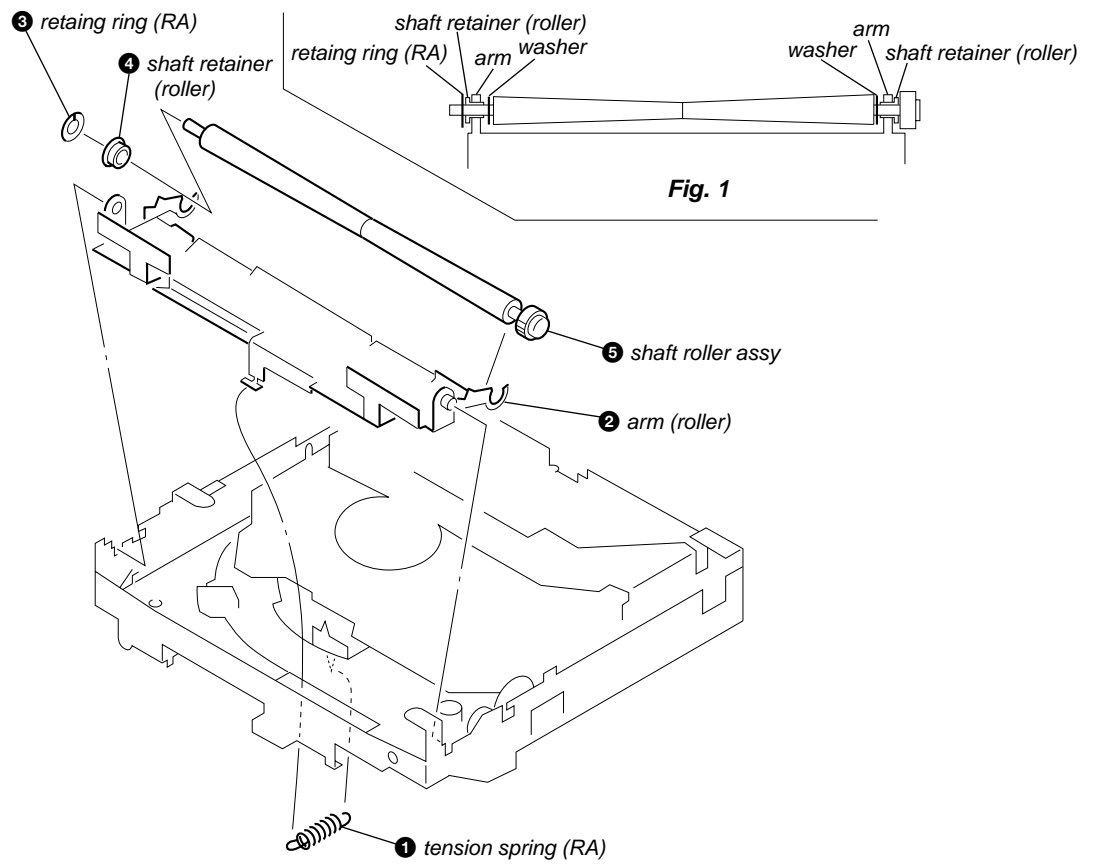


2-7. SERVO BOARD

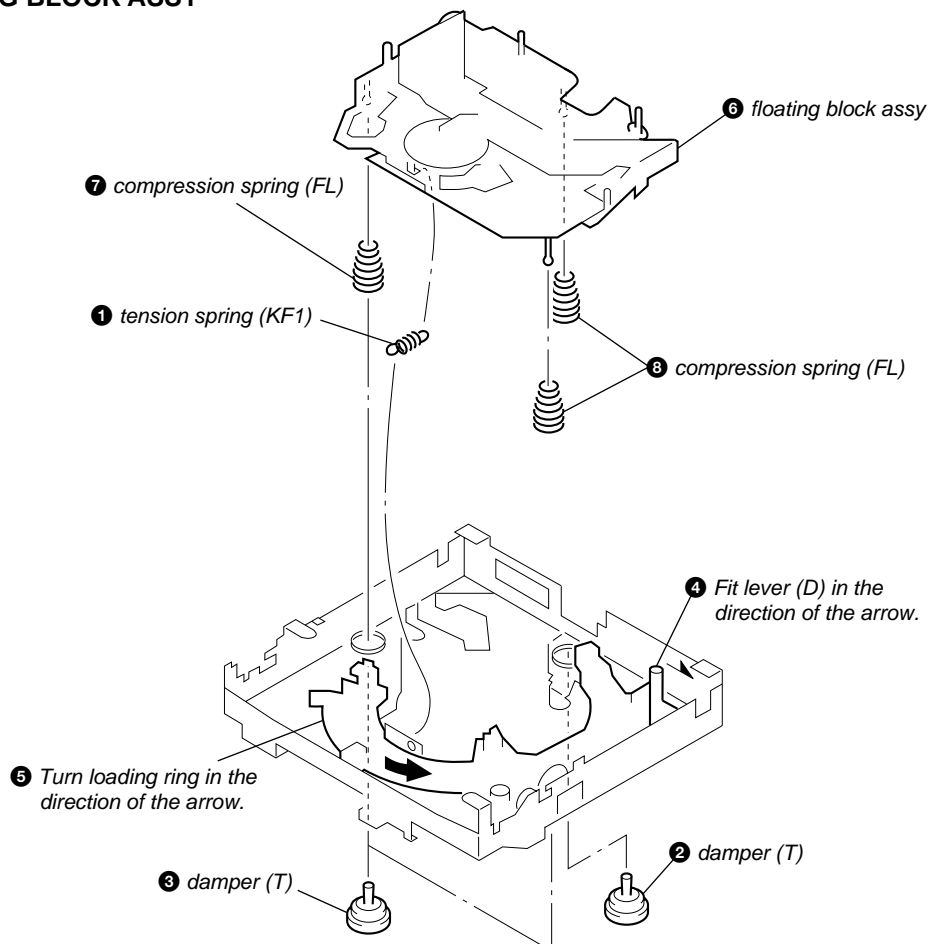


### 2-8. ARM ROLLER ASSY

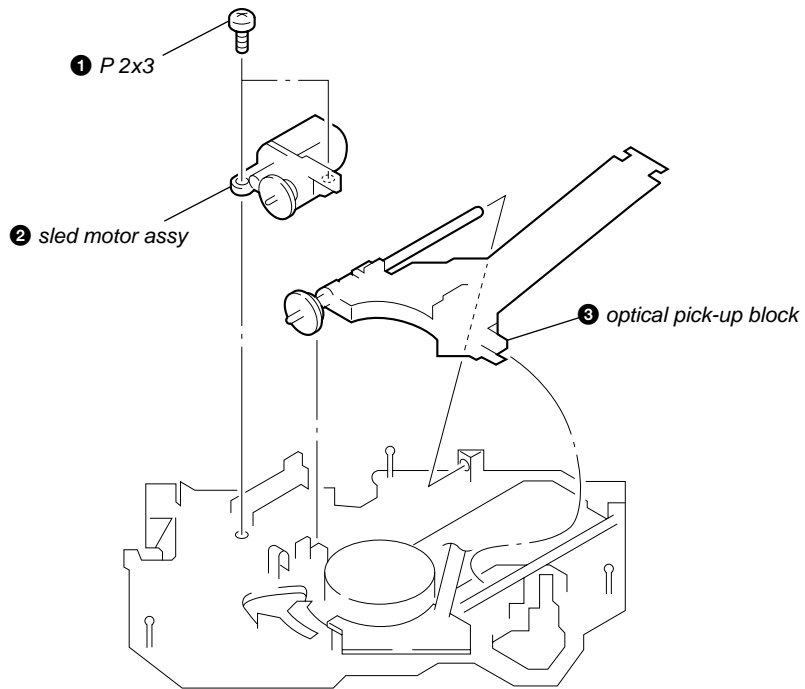
- When installing, take note of the positions arm (roller) and washers. (Fig. 1)



### 2-9. FLOATING BLOCK ASSY



2-10. OPTICAL PICK-UP BLOCK



## SECTION 3 DIAGRAMS

### 3-1. IC PIN DESCRIPTION

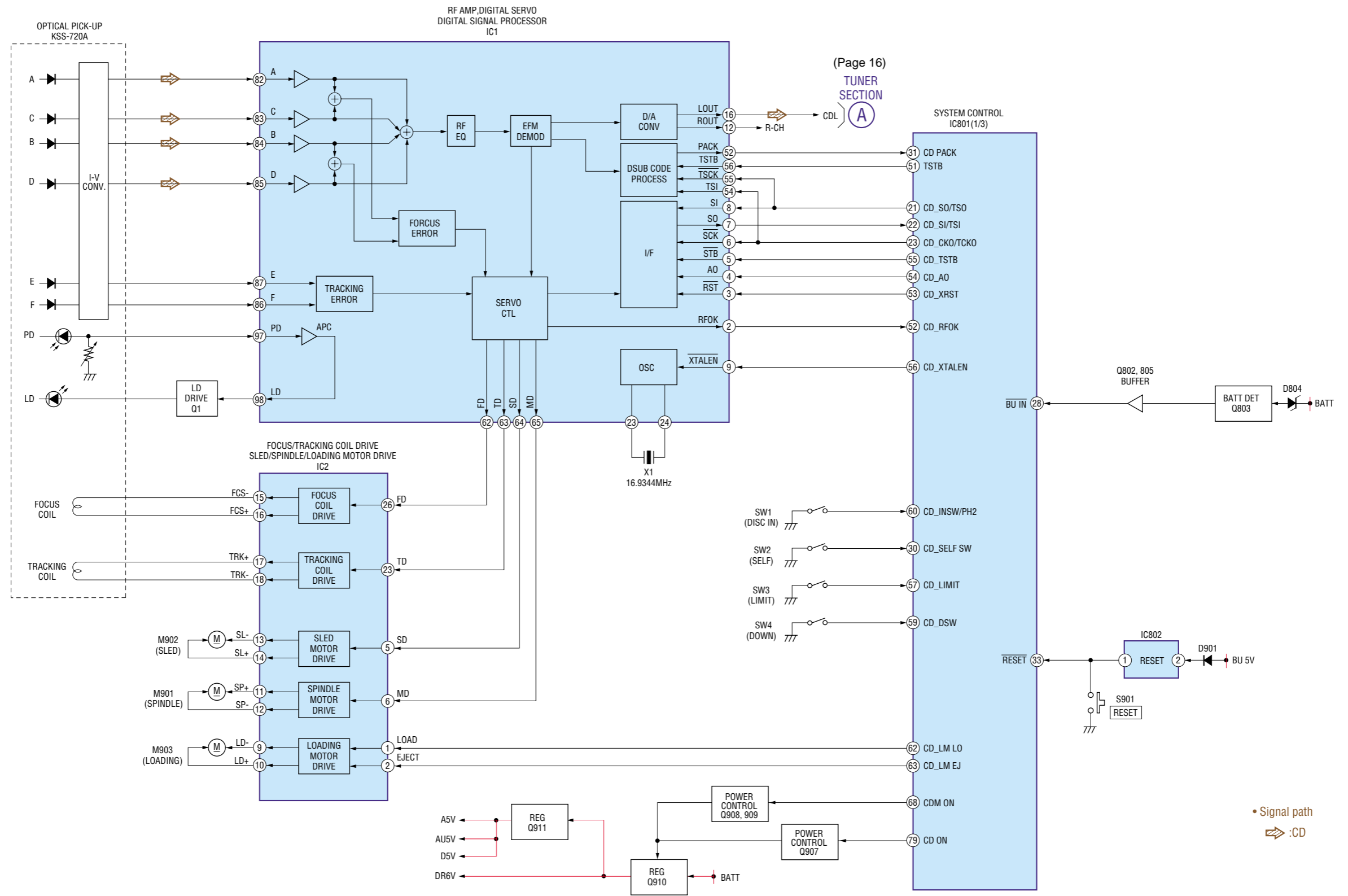
#### • IC801 MN101C49KTG1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Pin Description
1	VREF-	—	Ground for A/D converter power supply
2	VSM	I	S-meter voltage detection signal input from tuner unit (TU601)
3	NIL	I	Connect to ground.
4	KEYIN1	I	Key signal input
5	KEYIN0	I	Key signal input
6	RC IN0	I	Rotary commander key signal input from remote in jack (CNP801)
7, 8	NIL	I	Not used. (Connect to ground.)
9	DSTSEL	I	Destination set up detection signal input (“L”: CDX-L550X, “H”: CDX-L570X)
10	VREF+	—	A/D converter power supply
11	VDD	—	Power supply (+5 V) input pin
12	OSCOU	O	High speed clock signal output (18.432 MHz)
13	OSCIN	I	High speed clock signal input (18.432 MHz)
14	VSS	—	Ground for power supply
15	XIN	I	Low speed clock signal input (32.768 kHz)
16	XOUT	O	Low speed clock signal output (32.768 kHz)
17	MMOD	I	Memory mode select signal input (Input to “Low” (single chip mode).) (Connect to ground.)
18	LCDSO	O	LCD serial data signal output to LCD driver (IC501)
19	LCDCE	O	LCD chip enable signal output to LCD driver (IC501)
20	LCDCO	O	LDC serial clock signal output to LCD driver (IC501)
21	CD SO/TSO	O	CD servo IC serial data signal output
22	CD SI/TSI	I	CD servo IC serial data signal input
23	CD CKO/TCKO	O	CD servo IC serial clock signal output
24	$\overline{\text{SYSRST}}$	O	System reset signal output to bus interface (IC803)
25	$\overline{\text{BUS ON}}$	O	Bus on signal output to bus interface (IC803)
26	KEYACK	I	Key acknowledge detection signal input
27	NIL	I	Not used. (Connect to ground.)
28	$\overline{\text{BU IN}}$	I	Back up current detection signal input
29	SIRCS	I	Remote signal input from remote control receiver (IC502)
30	CD SELFSW	I	CD mechanism self load position detection switch signal input from self switch (SW2)
31	CD PACK	I	CD text pack sync signal input from CD servo (IC1)
32	NIH	I	Connect to power supply.
33	$\overline{\text{RESET}}$	I	microcomputer reset signal input from reset IC (IC802) “L”: reset
34	NOSE SW	I	Front panel attachment detection signal input from nose detect switch (S902) “L”: ON
35	BEEP	O	Beep signal output to power amp (IC404)
36	NCO	O	Not used. (Open)
37	$\overline{\text{TESTIN}}$	I	Test mode detection signal input
38	ACCIN	I	Accessory power supply detection signal input
39	NCO	O	Not used. (Open)
40	TELATT	I	Telephone ATT detection signal input
41	NIH	I	Connect to power supply.
42	BUSSO	O	Sony-Bus serial data signal output to bus interface (IC803)
43	BUSSI	I	Sony-Bus serial data signal input from bus interface (IC803)
44	BUSCKO	O	Sony-Bus serial clock signal output to bus interface (IC803)
45	I2CSIO	I/O	I2C bus serial data signal input/output
46	NCO	O	Not used. (Open)
47	I2CCKO	O	I2C bus serial clock signal output
48	NCO	O	Not used. (Open)
49	TUNON	O	Tuner power supply control signal output to power supply (IC901)
50	PW ON	O	System power supply control signal output to power supply (IC901)

# CDX-L550X/L570X

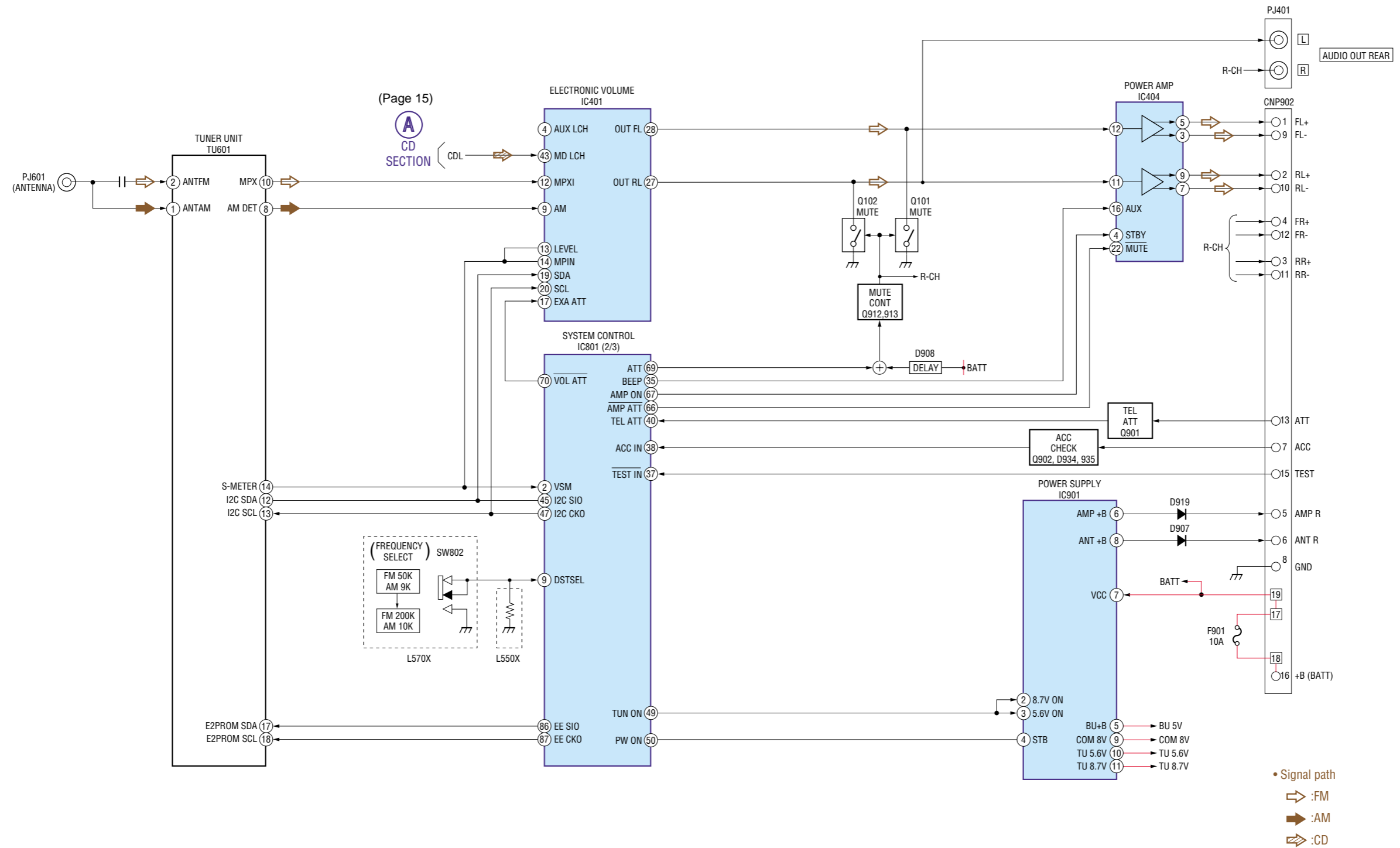
Pin No.	Pin Name	I/O	Pin Description
51	CD TSTB	O	CD text parameter strobe signal output to servo IC (IC1)
52	CD RFOK	I	RF OK signal input from servo IC (IC1)
53	CD XRST	O	Reset signal output to servo IC (IC1)
54	CD A0	O	Command/parameter identification signal output to servo IC (IC1) “L”: Command, “H”: Parameter
55	CD STB	O	Data strobe signal output to servo IC (IC1)
56	CD XTALEN	O	Crystal oscillation control signal output to servo IC (IC1)
57	CD LIMIT	I	CD Mechanism in-limit switch signal input from limit switch (SW3)
58	CD PH1	I	CD Mechanism PH1 detection signal input Not used in this set.
59	CD DSW	I	CD Mechanism down switch signal input from down switch (SW4)
60	CD INSW/PH2	I	CD Mechanism disc-in switch detection signal input from disc-in switch (SW1)
61	CD PH3	I	CD Mechanism PH3 detection signal input Not used in this set.
62	CD LM LO	O	CD Mechanism loading motor control signal output to loading motor drive (IC2)
63	CD LM EJ	O	CD Mechanism eject motor control signal output to loading motor drive (IC2)
64, 65	NCO	O	Not used. (Open)
66	AMPATT	O	Power amp ATT control signal output to power amp (IC404)
67	AMPON	O	Power amp standby control signal output to power amp (IC404)
68	CDM ON	O	CD mechanism deck power supply control signal output
69	ATT	O	System ATT control signal output
70	VOLATT	O	Electrical volume ATT control signal output to electrical volume (IC401)
71 – 75	NCO	O	Not used. (Open)
76	4VPRE	I	Pre-out menu selection set up signal input
77, 78	NCO	O	Not used. (Open)
79	CD ON	O	CD on signal output “H”: Play, “L”: Loading or standby
80 – 85	NCO	O	Not used. (Open)
86	EE SIO	I/O	EEPROM serial data signal input/output
87	EE CKO	O	EEPROM serial clock signal output
88	NCO	O	Not used. (Open)
89	FLASH W	I	Flash microcomputer write detection signal input “L”: Write mode
90	NCO	O	Not used. (Open)
91	XKEYON	O	Key power supply control signal output
92	DOORIND	O	Sub panel power supply control signal output
93	ILLON	O	Illumination power supply control signal output
94	DOOR SW	I	Front panel open/close detection signal input “L”: Close, “H”: Open
95	DAVSS	—	Ground pin
96	RE IN1	I	Rotary encoder signal input from rotary encoder (RE501)
97	RE IN0	I	Rotary encoder signal input from rotary encoder (RE501)
98	RC IN	I	Rotary commander shift key signal input from remote in jack (CNP801) “L”: Shift key on
99	NCO	O	Not used. (Open)
100	DAVDD	—	Power supply pin

3-2. BLOCK DIAGRAM — CD SECTION —



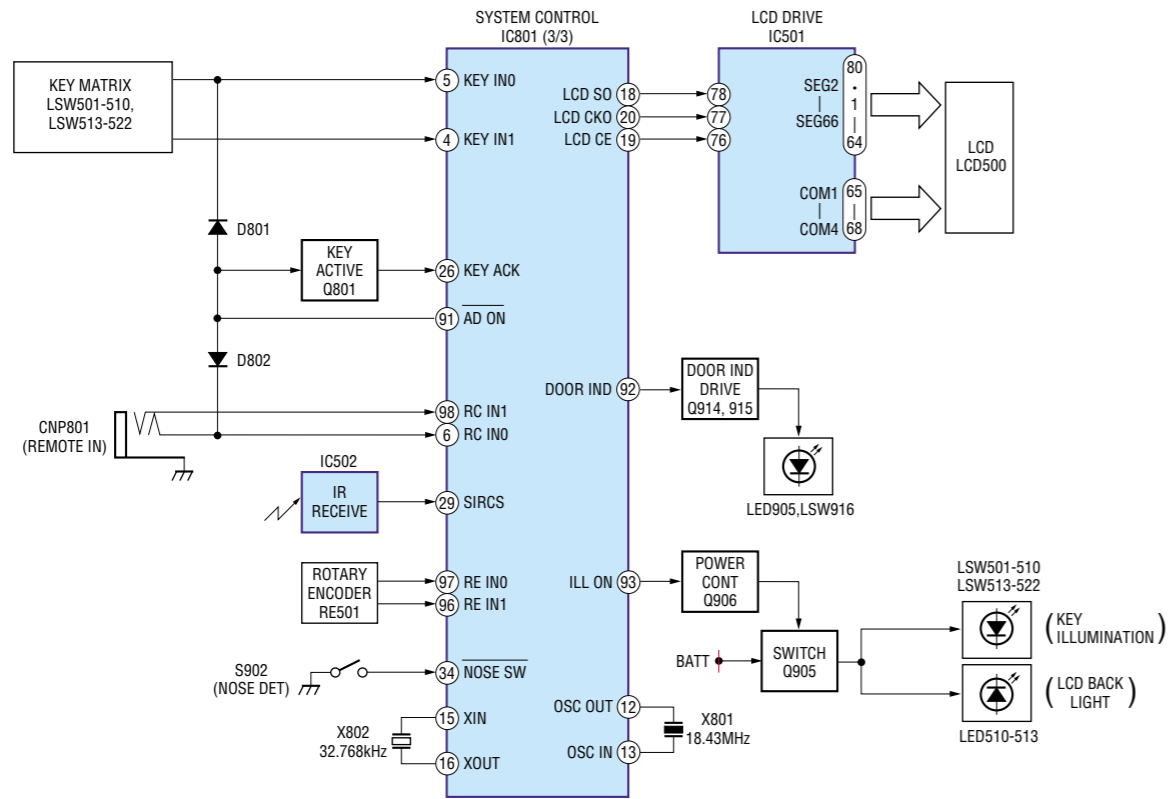
(Page 16)  
TUNER SECTION  
A

3-3. BLOCK DIAGRAM — TUNER SECTION —

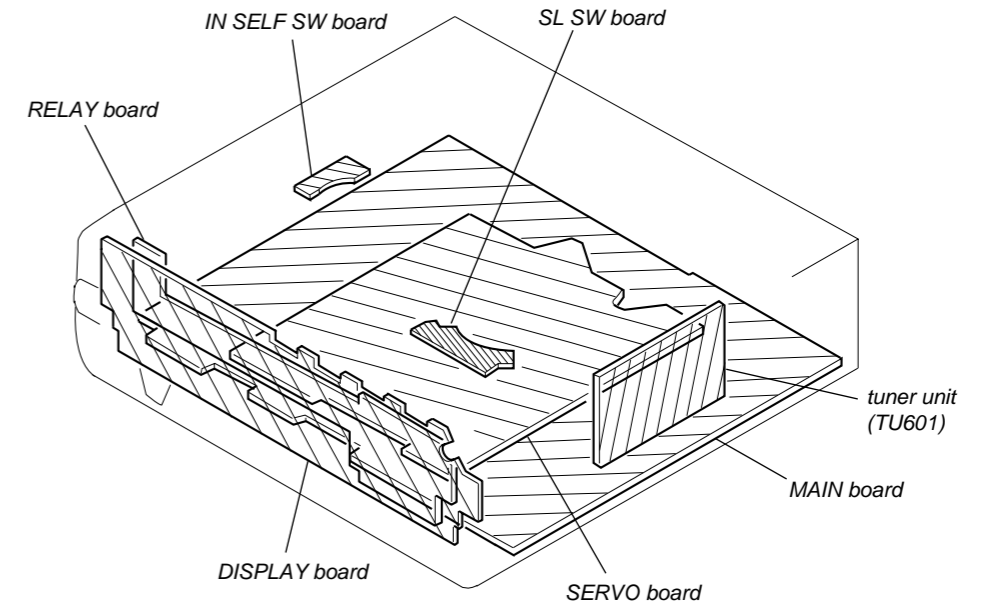




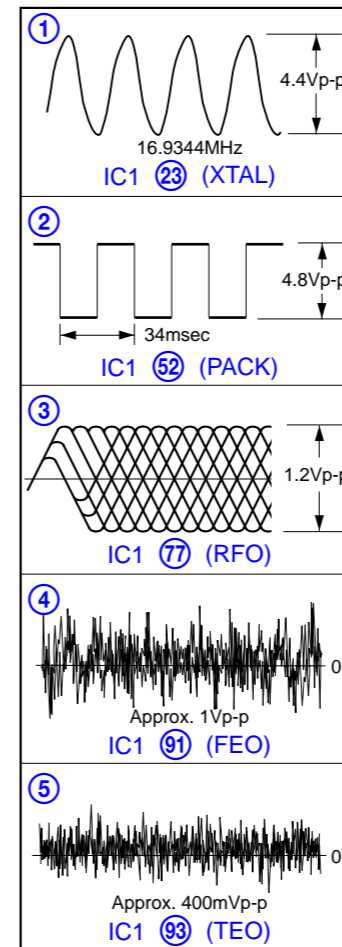
3-4. BLOCK DIAGRAM — DISPLAY SECTION —



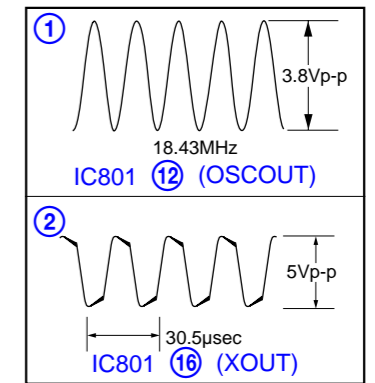
3-5. CIRCUIT BOARDS LOCATION



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



— Main Board —



3-6. PRINTED WIRING BOARDS — CD MECHANISM SECTION —

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

**for schematic diagram:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{pF}$
- 50 WV 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.
- % : indicates tolerance.
- $\Delta$  : internal component.
- $\square$  : 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.**
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - ◁ : FM
  - ▶ : AM
  - ↔ : CD

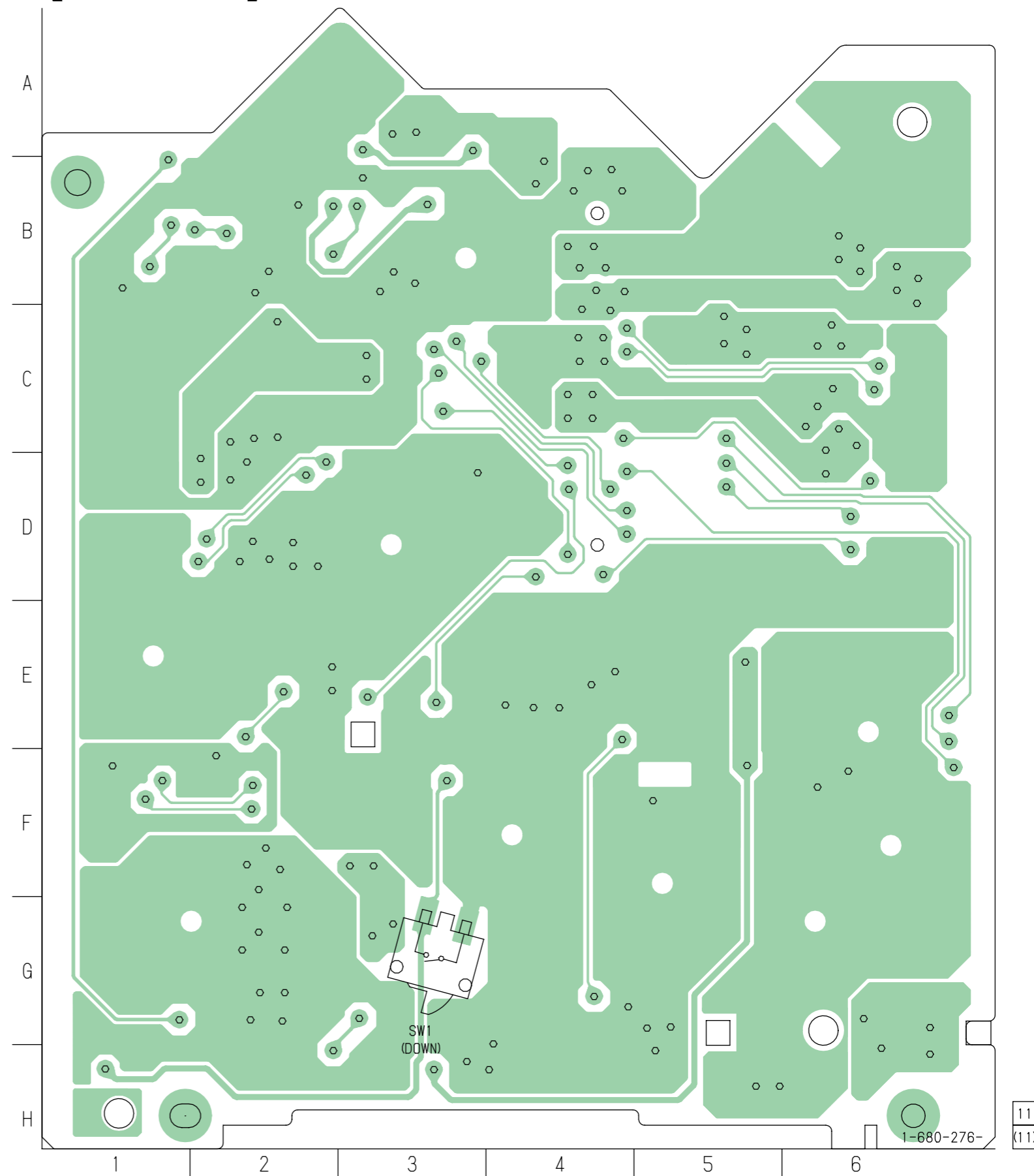
**for printed wiring boards:**

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

**Caution:**

Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.  
 Parts face side: Parts on the parts face side seen from the parts face are indicated.

**【SERVO BOARD】(SIDE B)**



【PICK-UP FLEXIBLE BOARD】

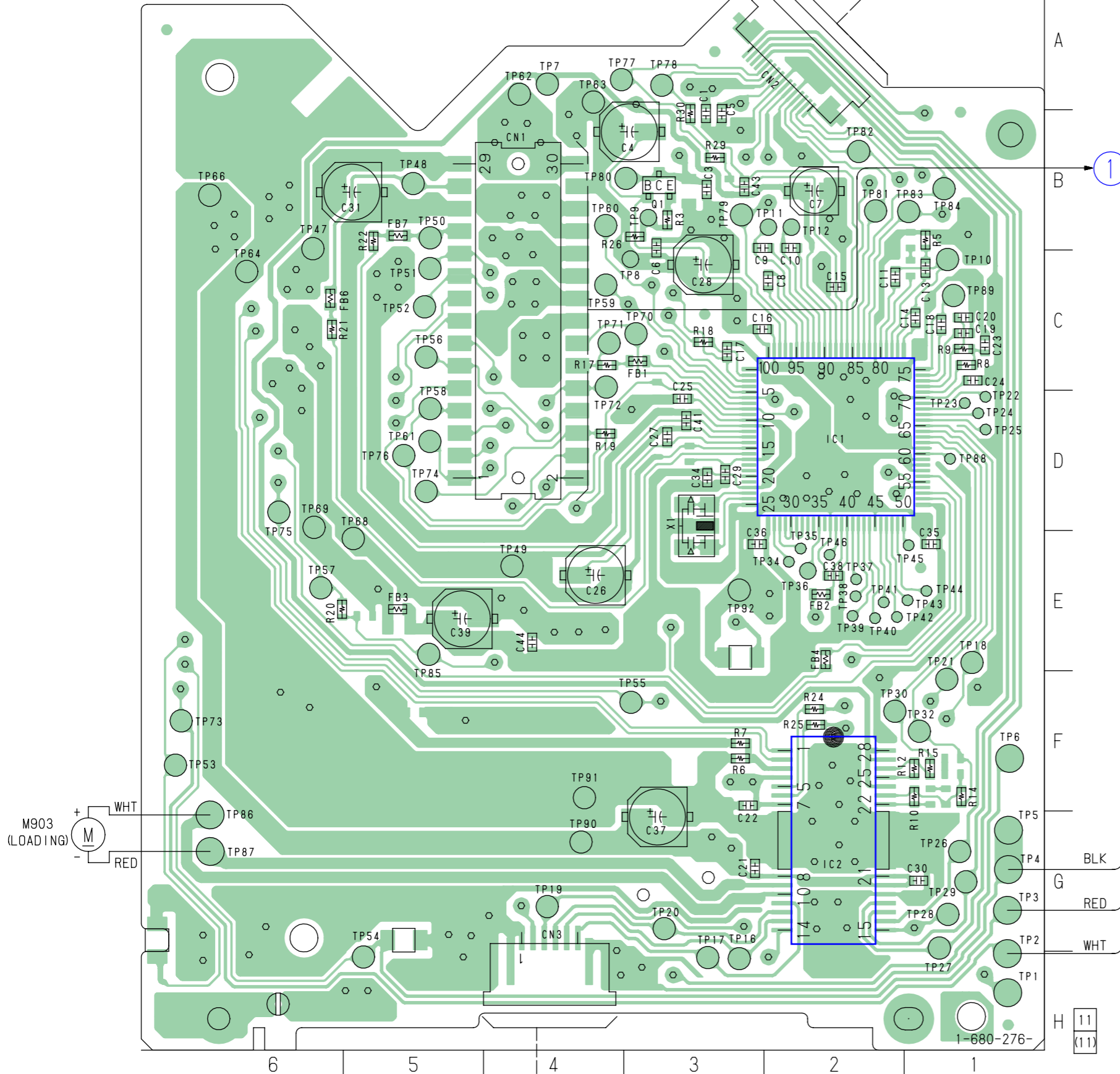
1-676-707- [11]

OPTICAL PICK-UP KSS-720A

• Semiconductor Location

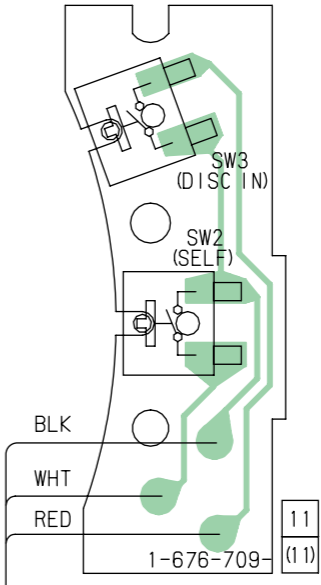
Ref. No.	Location
IC1	D-2
IC2	G-2
Q1	B-3

【SERVO BOARD】 (SIDE A)

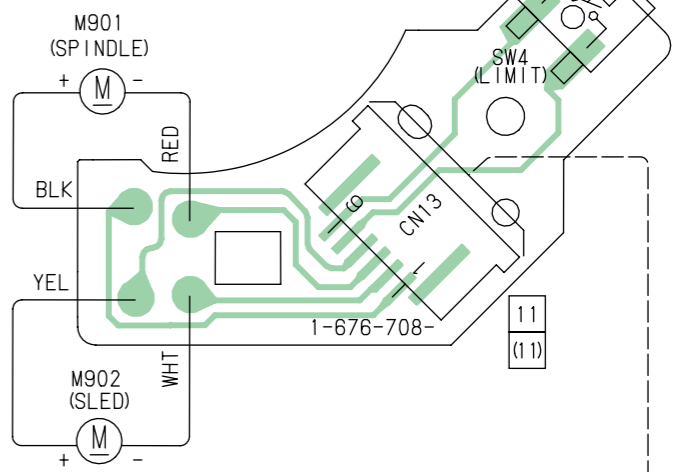


1 MAIN BOARD CNP701 (Page 21)

【IN SELF SW BOARD】



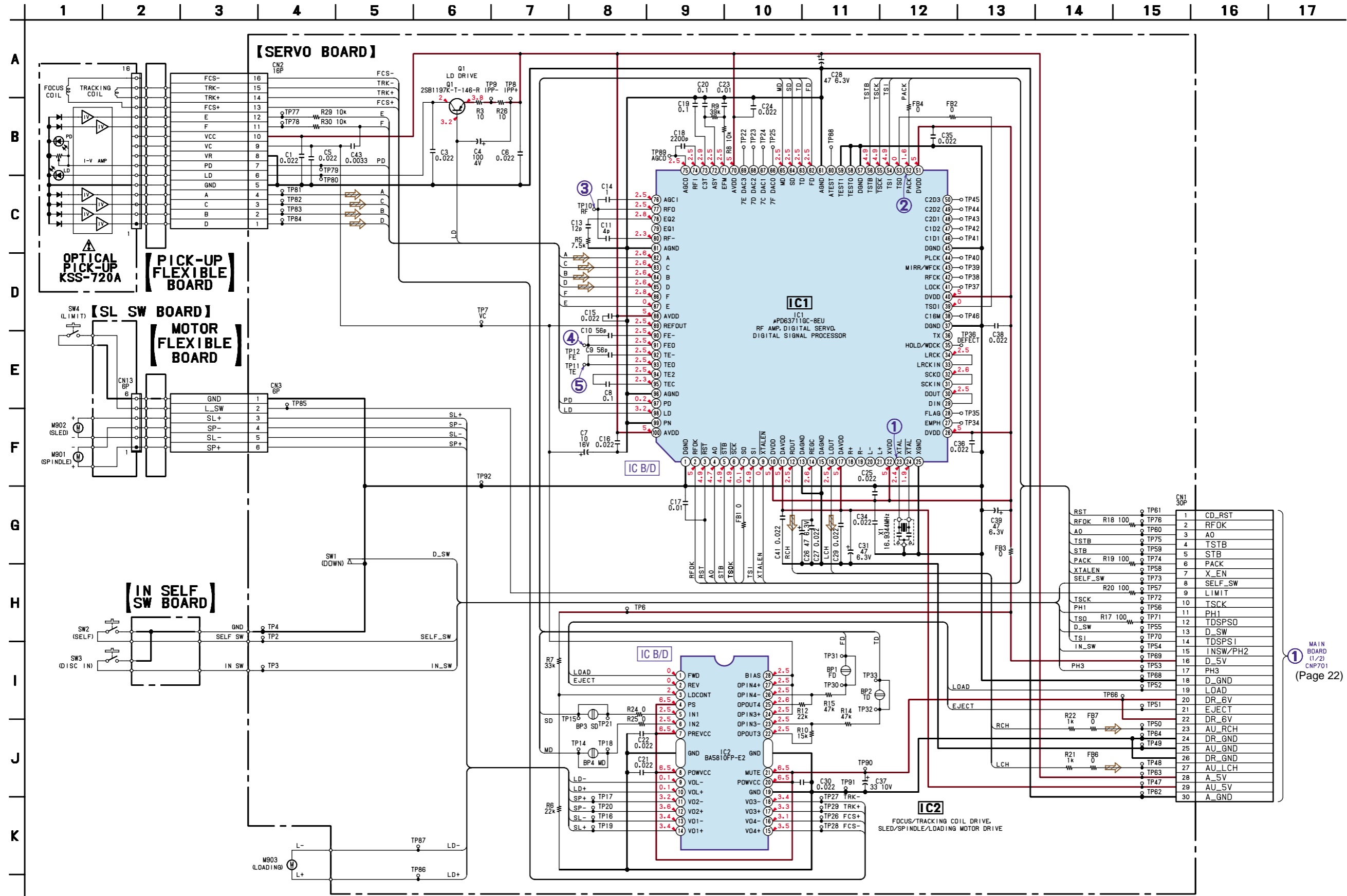
【SL SW BOARD】



【MOTOR FLEXIBLE BOARD】 1-677-182- [11]

• Refer to page 17 for Waveforms.

3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION — • Refer to page 28 for IC Block Diagrams.



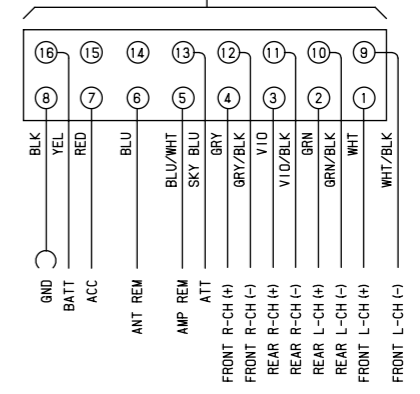
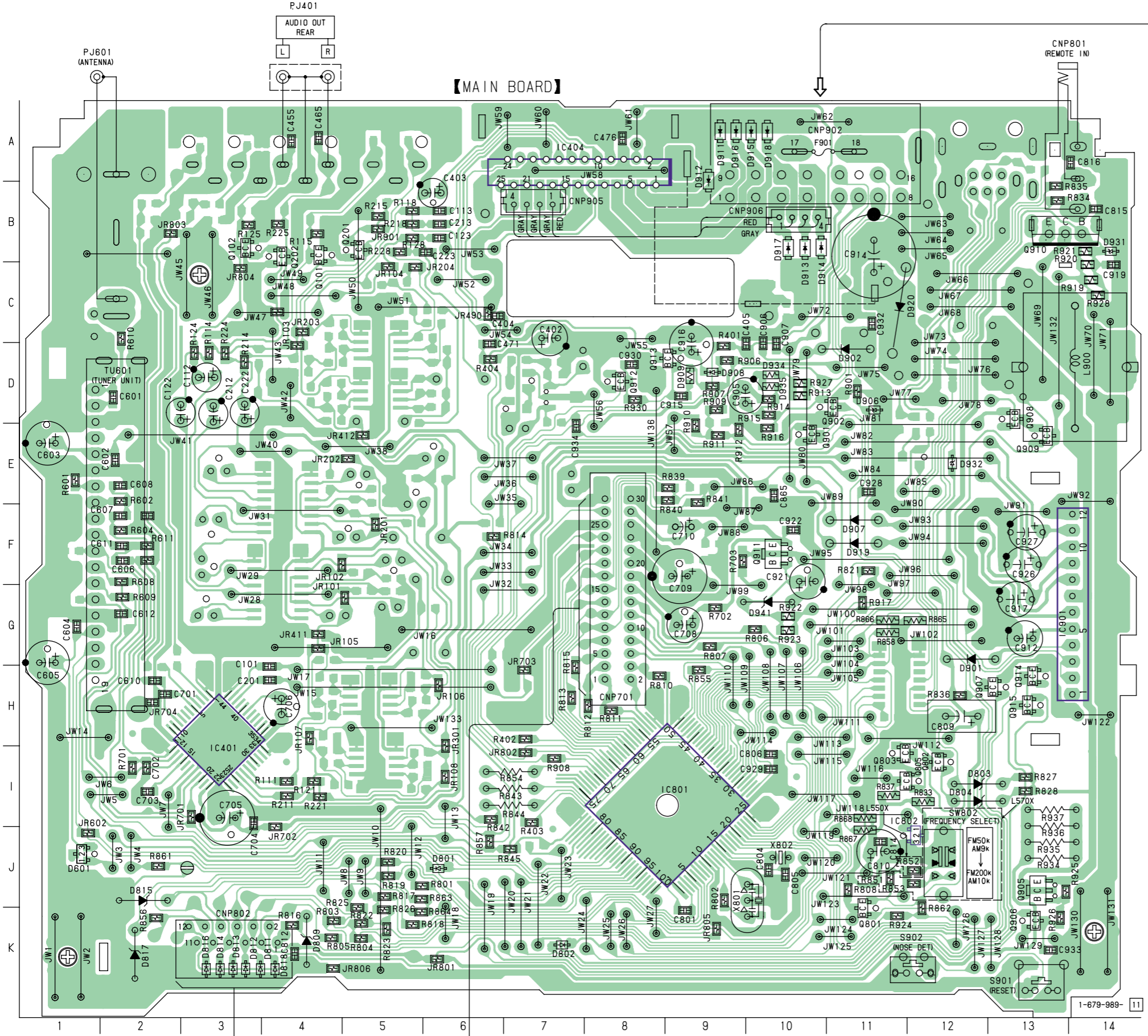
RST	TP61	1	CD_RST
RFOK R18 100	TP76	2	RFOK
AO	TP60	3	AO
TSTB	TP75	4	TSTB
STB	TP59	5	STB
PACK R19 100	TP74	6	PACK
XTALEN	TP58	7	X_EN
SELF_SW	TP73	8	SELF_SW
R20 100	TP57	9	LIMIT
TJACK	TP72	10	TJACK
PH1	TP56	11	PH1
TSQ R17 100	TP71	12	TDSPSO
D_SW	TP55	13	D_SW
TS1	TP70	14	TDSPS1
IN_SW	TP54	15	IN_SW/PH2
PH3	TP69	16	D_SW
	TP53	17	PH3
	TP68	18	D_GND
	TP52	19	LOAD
	TP66	20	DR_6V
	TP51	21	EJECT
	TP50	22	DR_6V
	TP64	23	AU_RCH
	TP49	24	DR_GND
	TP48	25	AU_GND
	TP63	26	DR_GND
	TP62	27	AU_LCH
	TP47	28	A_5V
	TP62	29	AU_5V
	TP62	30	A_GND

1 MAIN BOARD (1/2) CNP701 (Page 22)

**Note:**

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

3-8. PRINTED WIRING BOARD — MAIN SECTION —



**• Semiconductor Location**

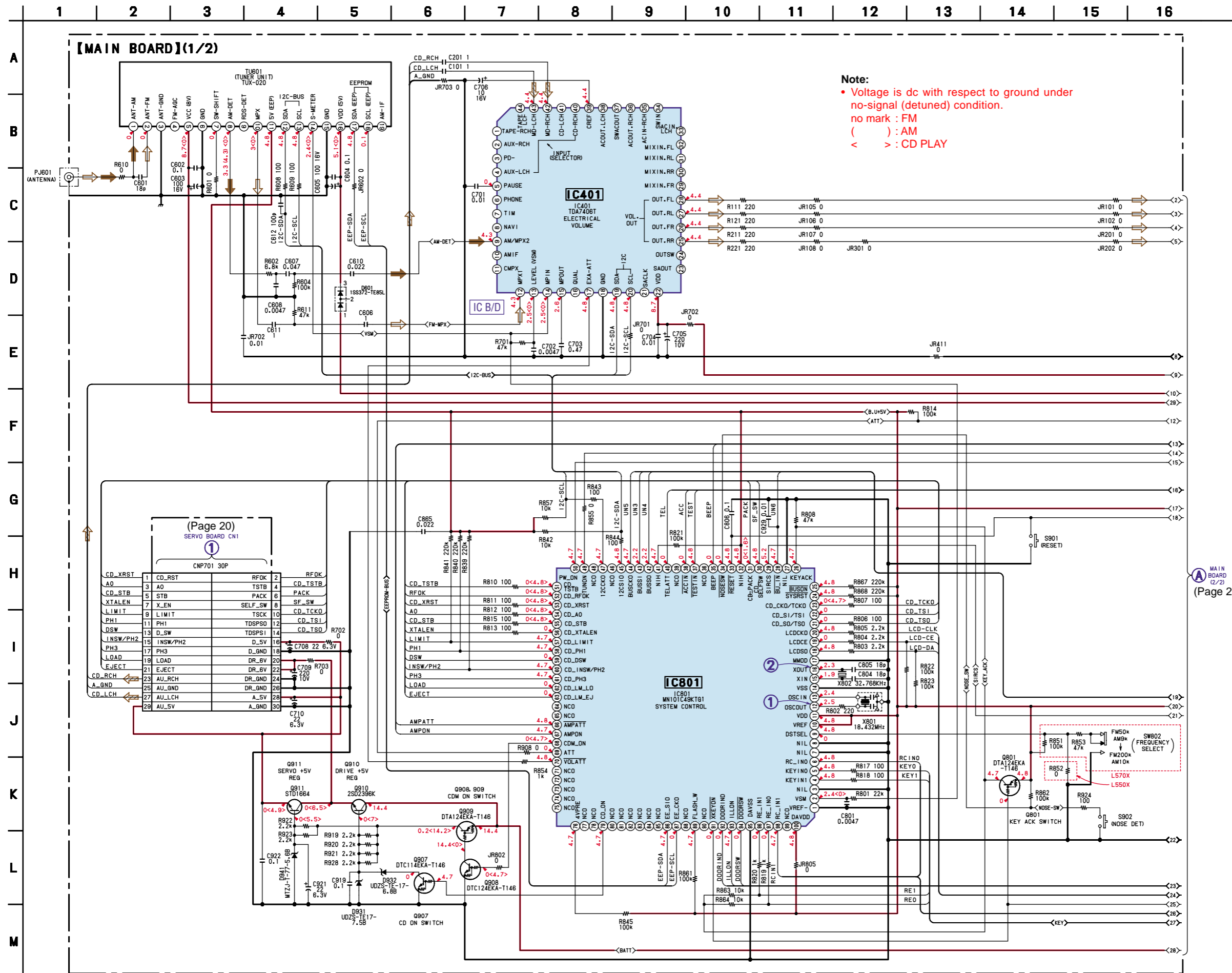
Ref. No.	Location	Ref. No.	Location
D601	J-1	D934	D-10
D801	J-6	D935	D-10
D802	K-7	D941	G-10
D803	I-12	IC401	I-3
D804	I-12	IC404	A-7
D809	K-4	IC801	I-9
D811	K-4	IC802	J-12
D812	K-3	IC901	G-13
D813	K-3		
D814	K-3		
D815	J-2	Q101	C-4
D816	K-3	Q102	B-3
D817	K-2	Q201	B-5
D818	K-4	Q202	B-4
D901	H-12	Q801	K-11
D902	D-11	Q802	I-12
D906	D-11	Q803	I-11
D907	F-11	Q805	I-12
D908	D-9	Q901	E-10
D909	D-9	Q902	D-11
D911	A-9	Q905	J-13
D912	A-9	Q906	K-13
D913	C-10	Q907	H-12
D914	C-10	Q908	D-13
D915	A-9	Q909	E-13
D916	A-9	Q910	B-13
D917	B-10	Q911	F-10
D918	A-10	Q912	D-8
D919	F-11	Q913	D-8
D920	C-11	Q914	H-13
D931	B-14	Q915	H-13
D932	E-12		

RELAY BOARD CNP903 (Page 24)

SERVO BOARD CN1 (Page 19)

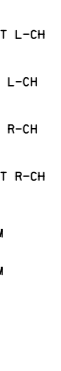
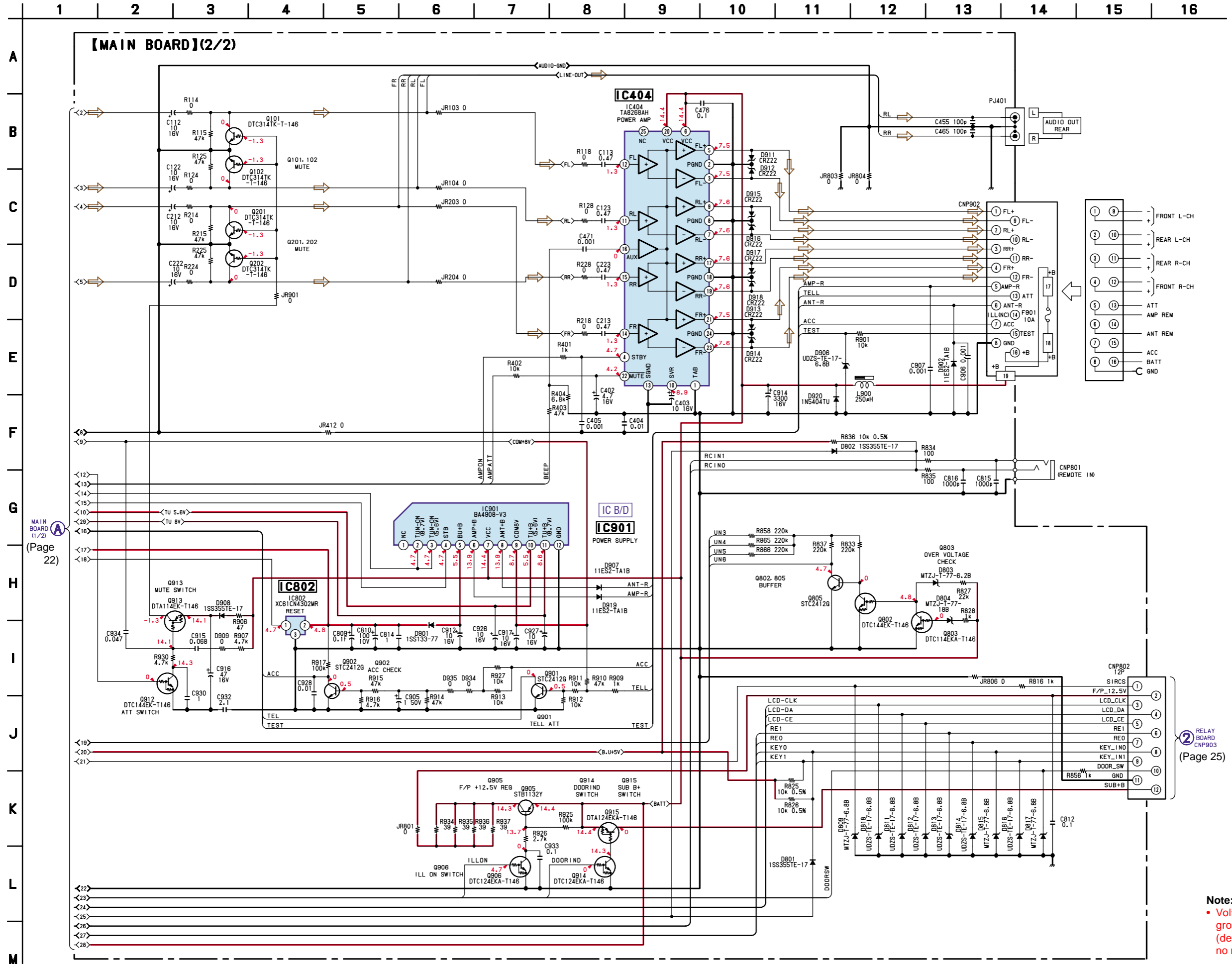
• Refer to page 17 for Waveforms.

3-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 28 for IC Block Diagrams.



(Page 23)

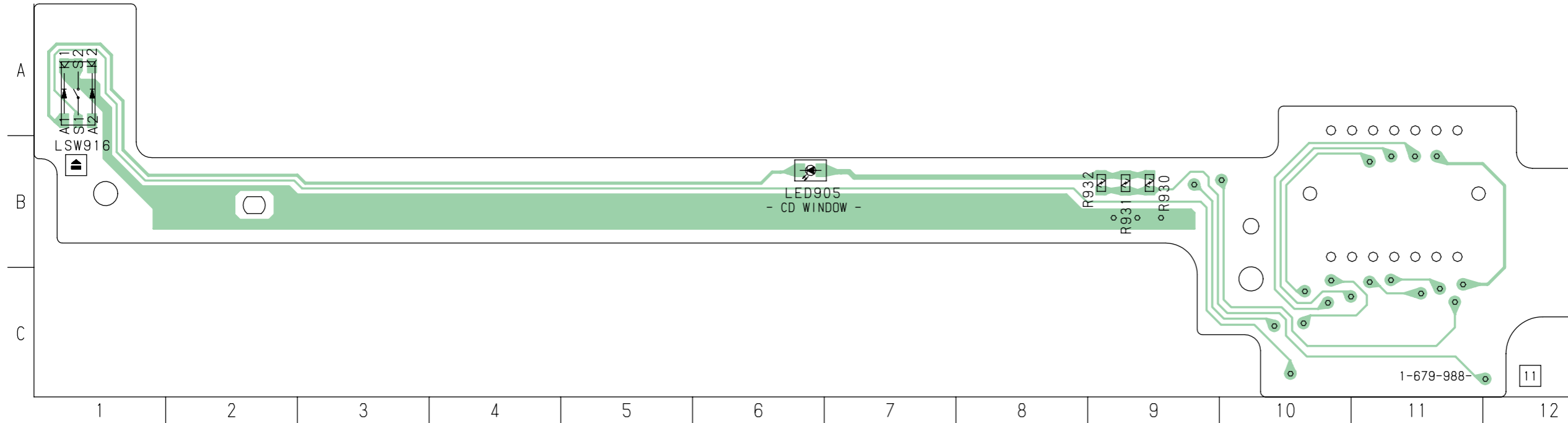
3-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 29 for IC Block Diagrams.



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

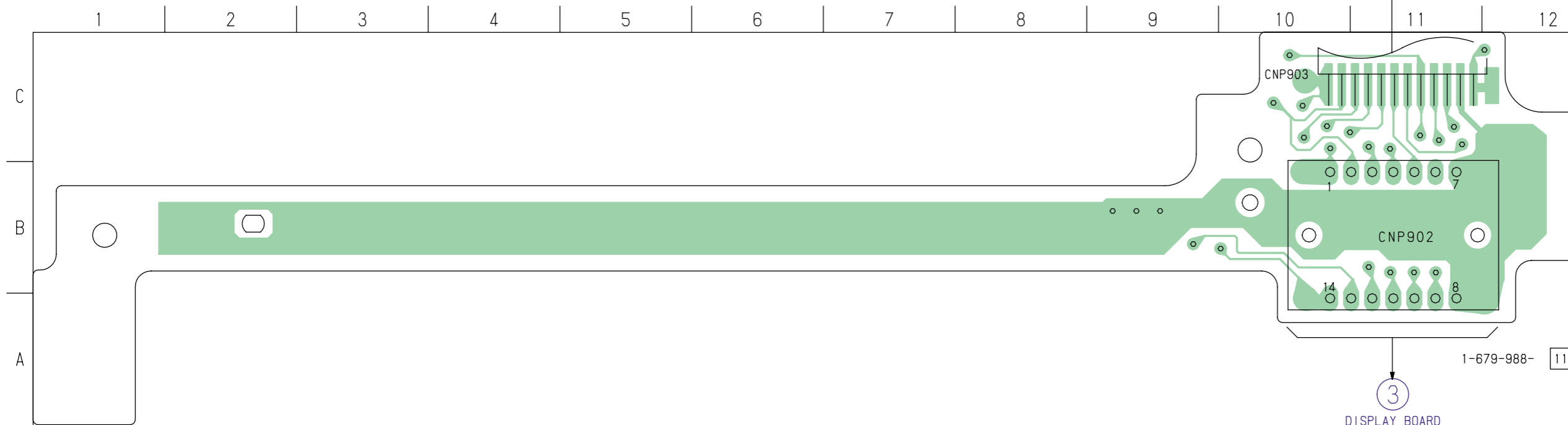
3-11. PRINTED WIRING BOARD — RELAY SECTION —

【RELAY BOARD】(SIDE A)



(Page 21)  
MAIN BOARD  
CNP802

2

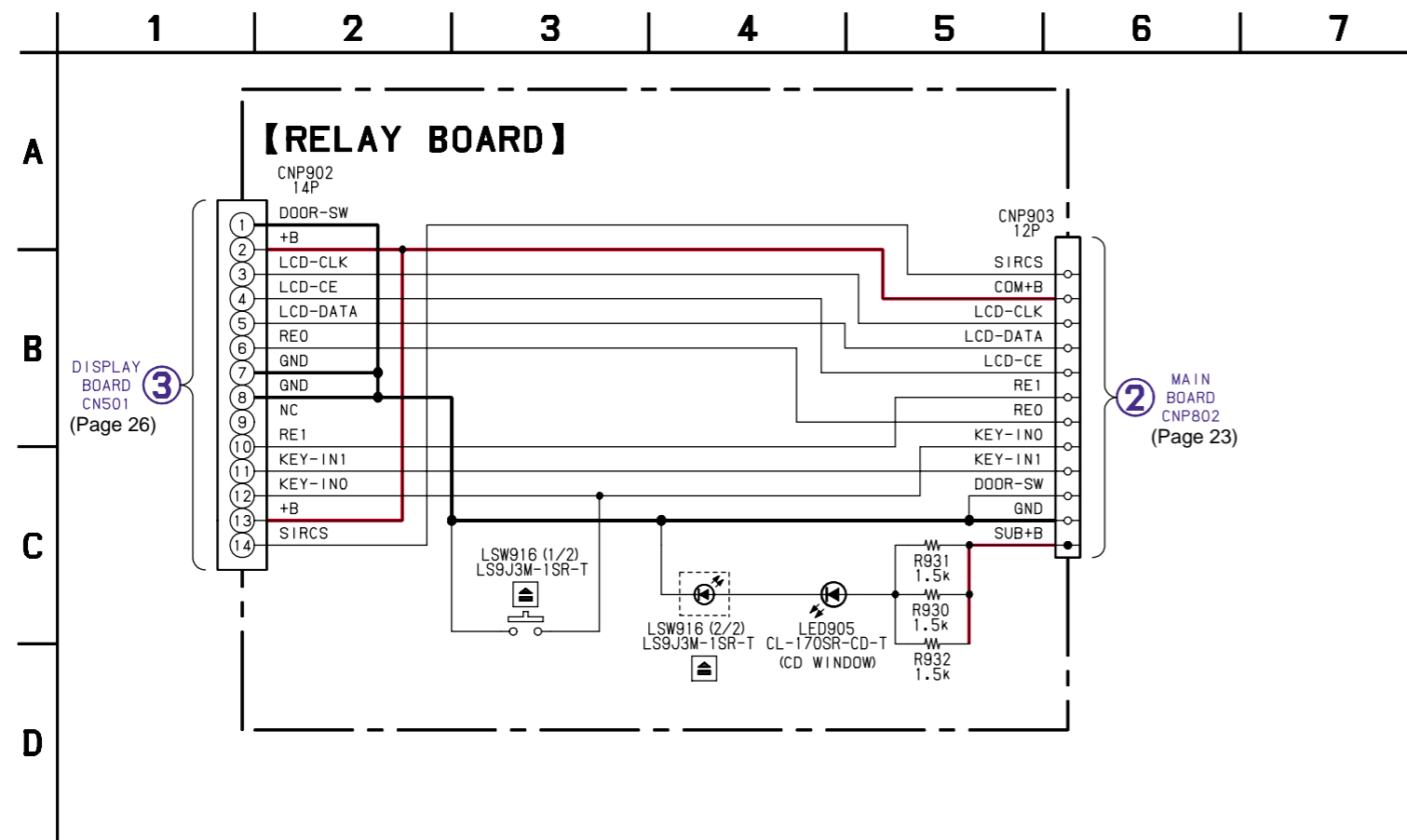


3  
DISPLAY BOARD  
CN501  
(Page 27)

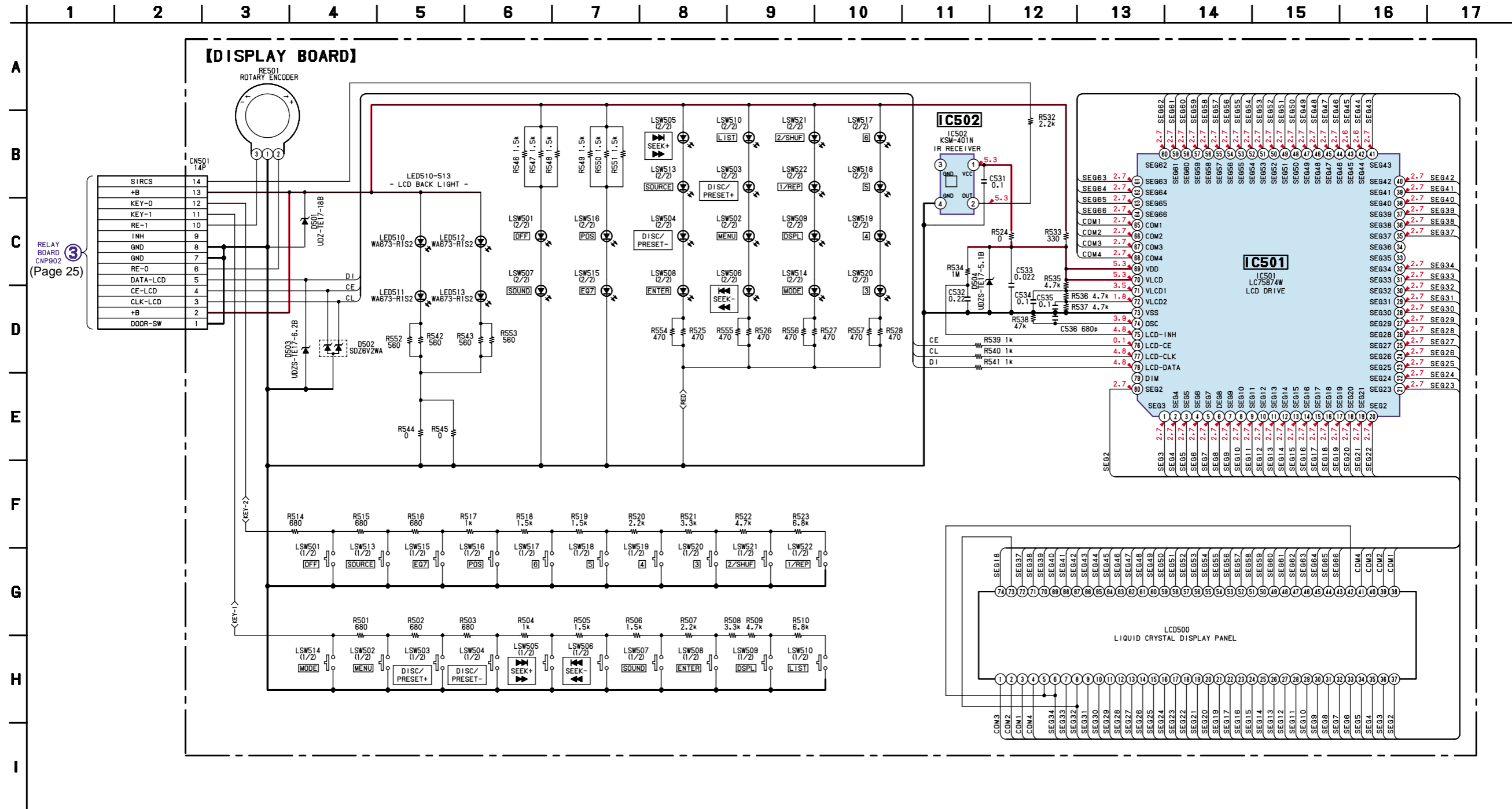
【RELAY BOARD】(SIDE B)



3-12. SCHEMATIC DIAGRAM — RELAY SECTION —



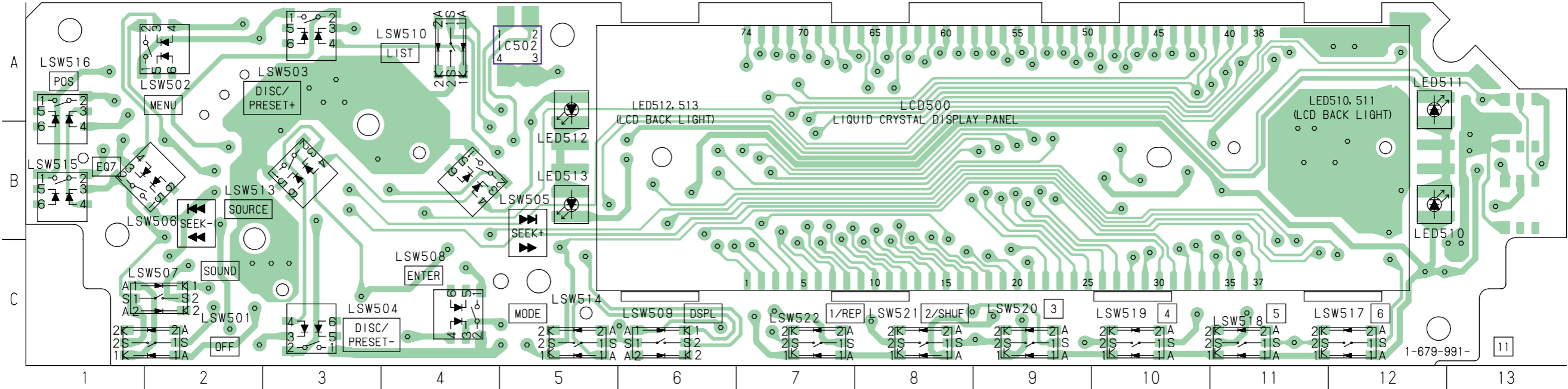
3-13. SCHEMATIC DIAGRAM — DISPLAY SECTION —



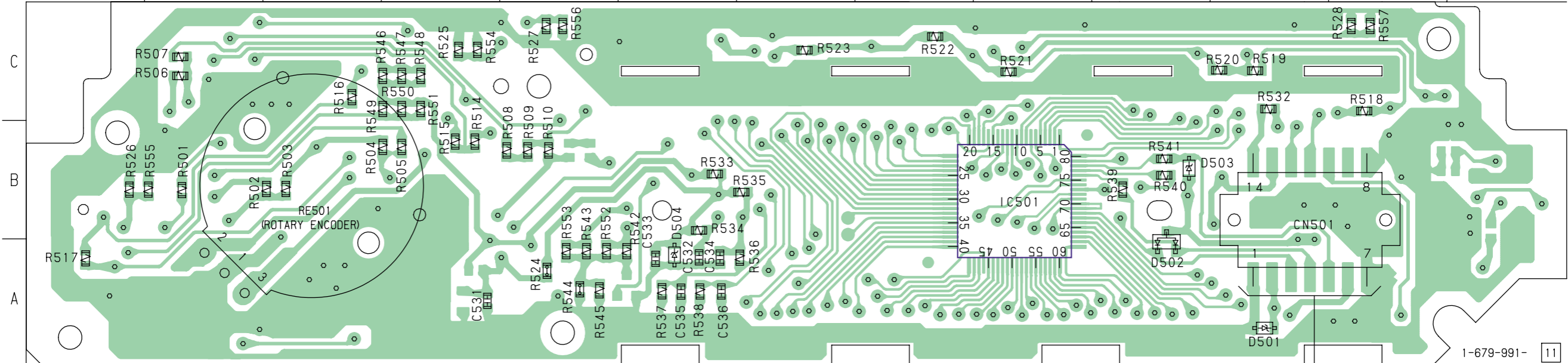
**Note:**  
 • Voltage is dc with respect to ground under no-signal (detuned) condition.  
 no mark : FM

3-14. PRINTED WIRING BOARD — DISPLAY SECTION —

【DISPLAY BOARD】(SIDE A)



【DISPLAY BOARD】(SIDE B)



【DISPLAY BOARD】(SIDE B)

• Semiconductor Location

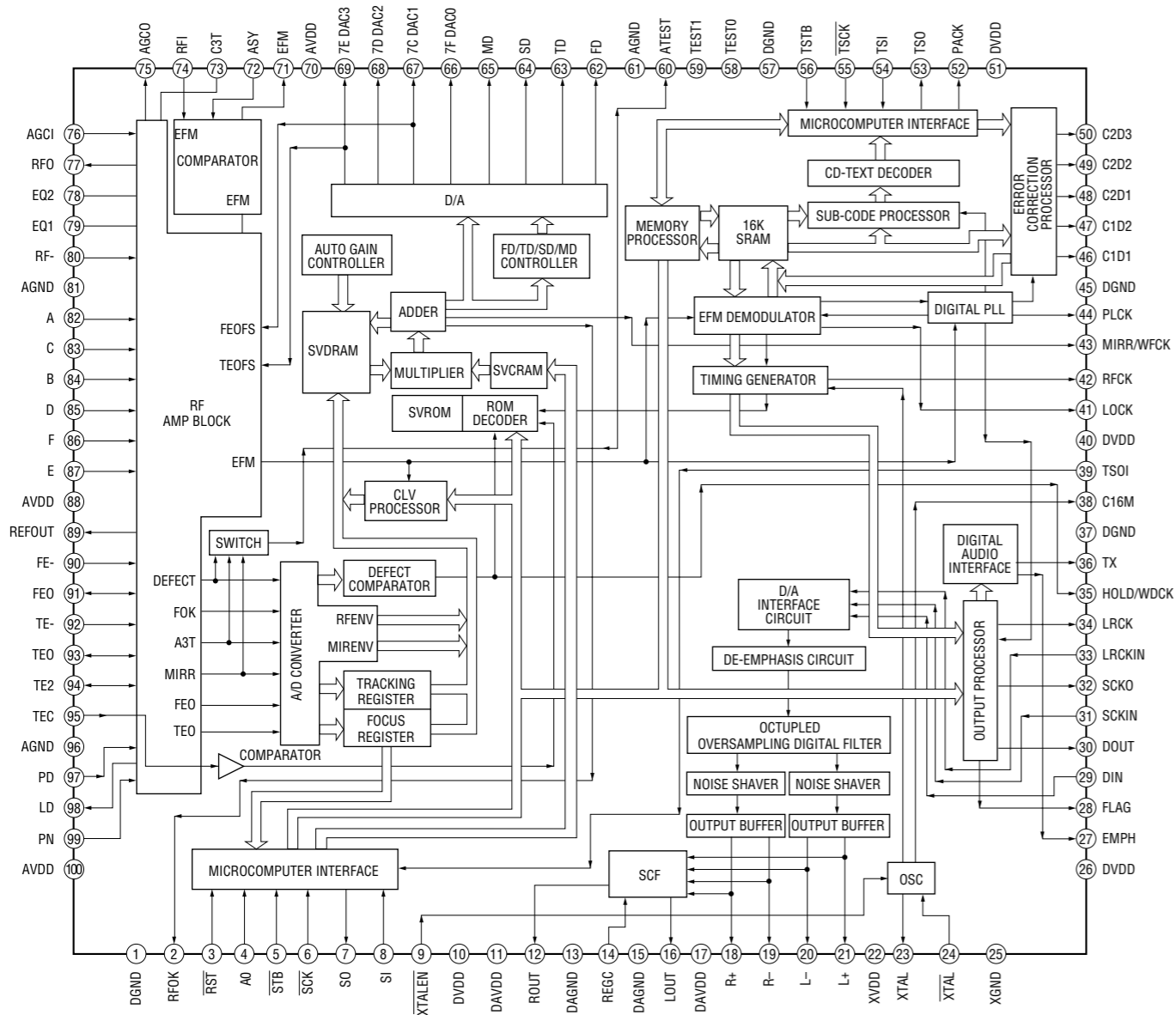
Ref. No.	Location
(D501)	A-11
(D502)	A-10
(D503)	B-10
(D504)	B-6
(IC501)	B-9
IC502	A-5
LED510	B-12
LED511	A-12
LED512	B-5
LED513	B-5

( ) : SIDE B

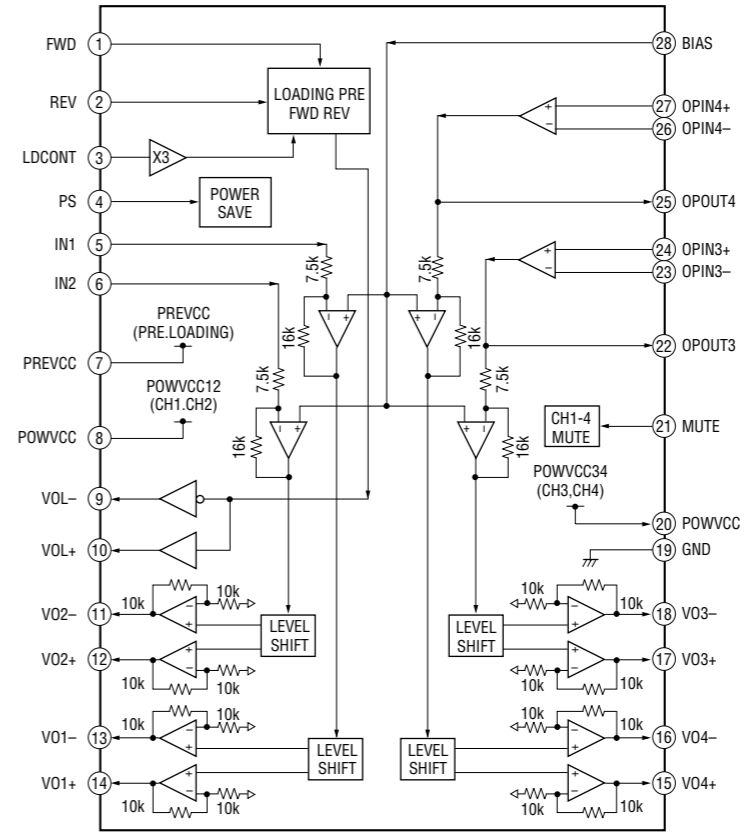
③  
RELAY BOARD  
CNP902  
(Page 24)

• IC BLOCK DIAGRAMS

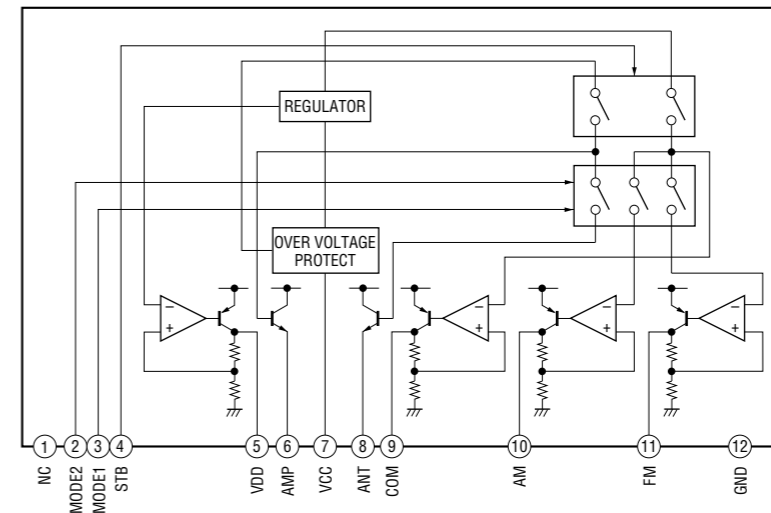
IC1  $\mu$ PD63711GC-8EU



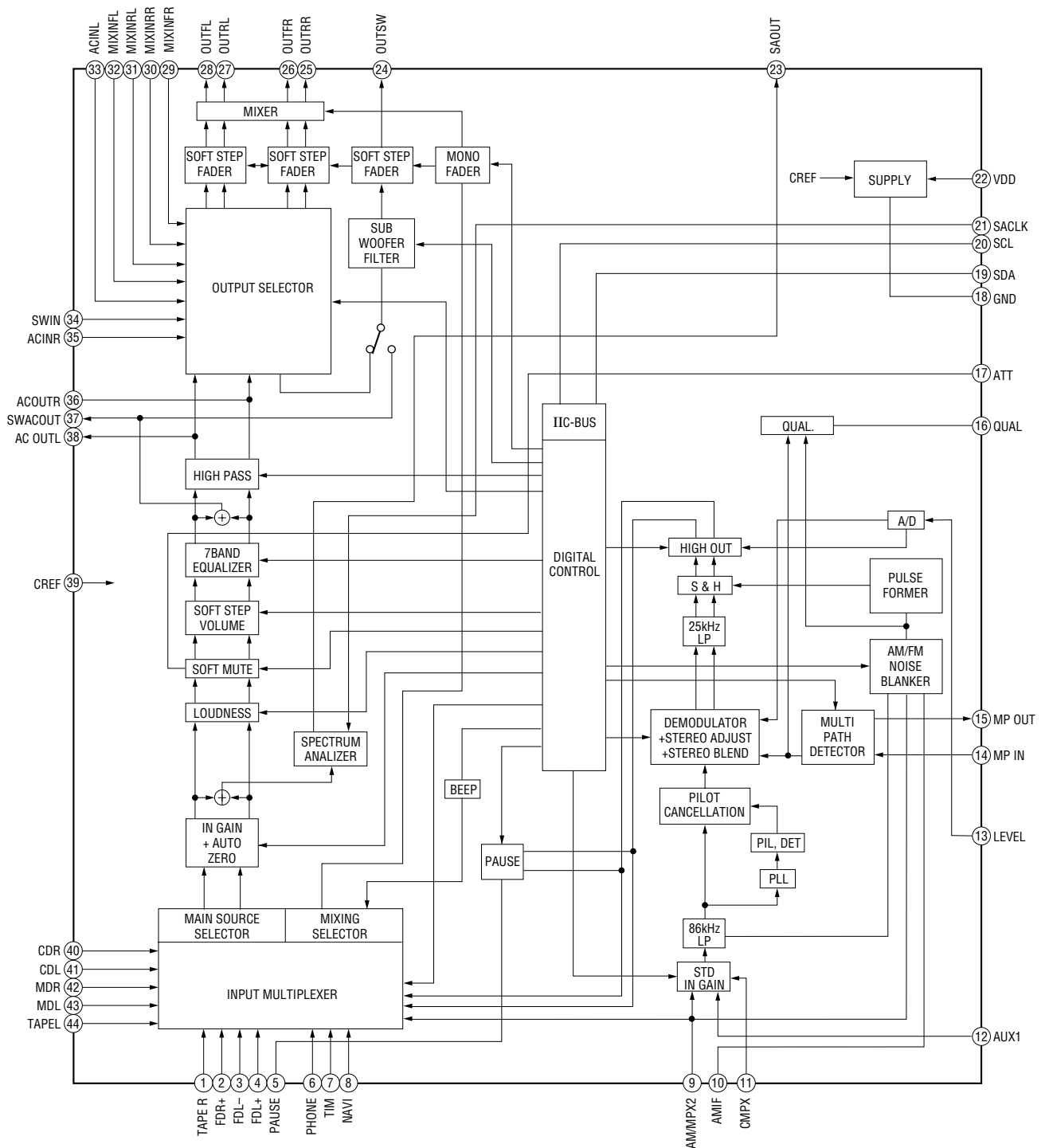
IC2 BA5810FP



IC901 BA4908-V3



IC401 TDA7406T



## SECTION 4 EXPLODED VIEWS

**NOTE:**

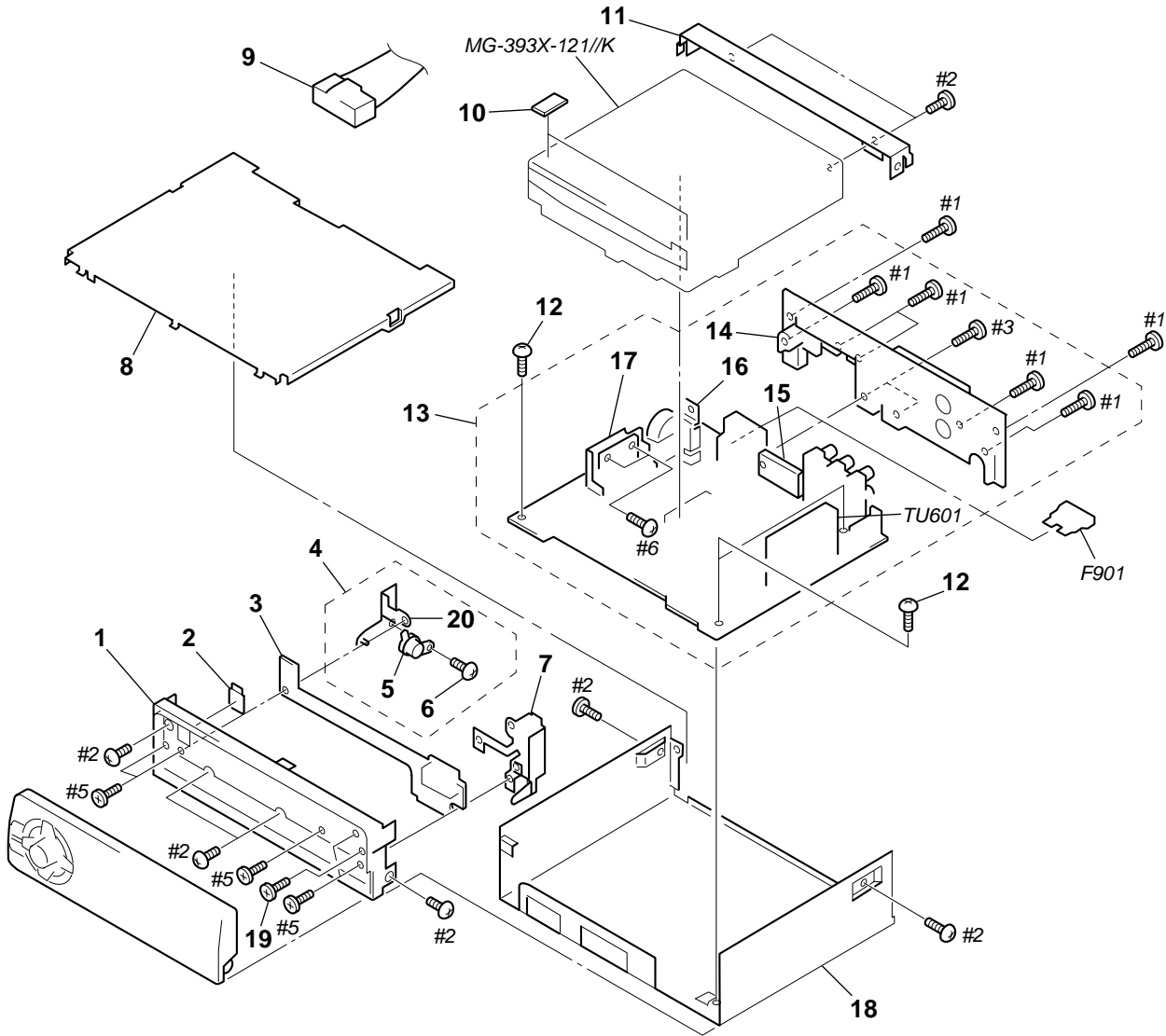
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference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

- Color Indication of Appearance Parts  
Example :  
    KNOB, BALANCE (WHITE) ... (RED)  
                                  ↑                                  ↑  
                                  Parts Color Cabinet's Color
- Accessories and packing materials and hardware (# mark) list 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.

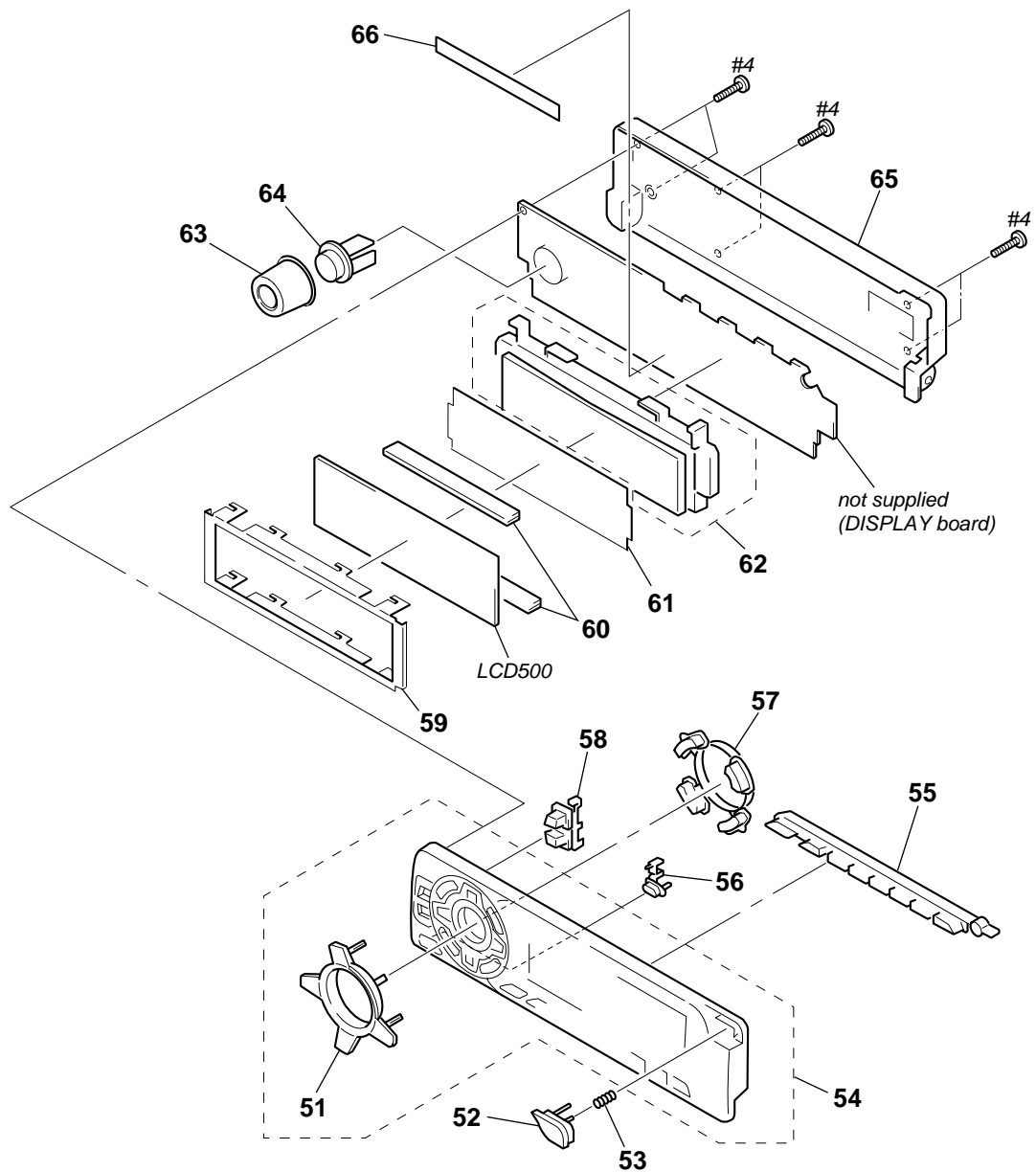
Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**4-1. CHASSIS SECTION**



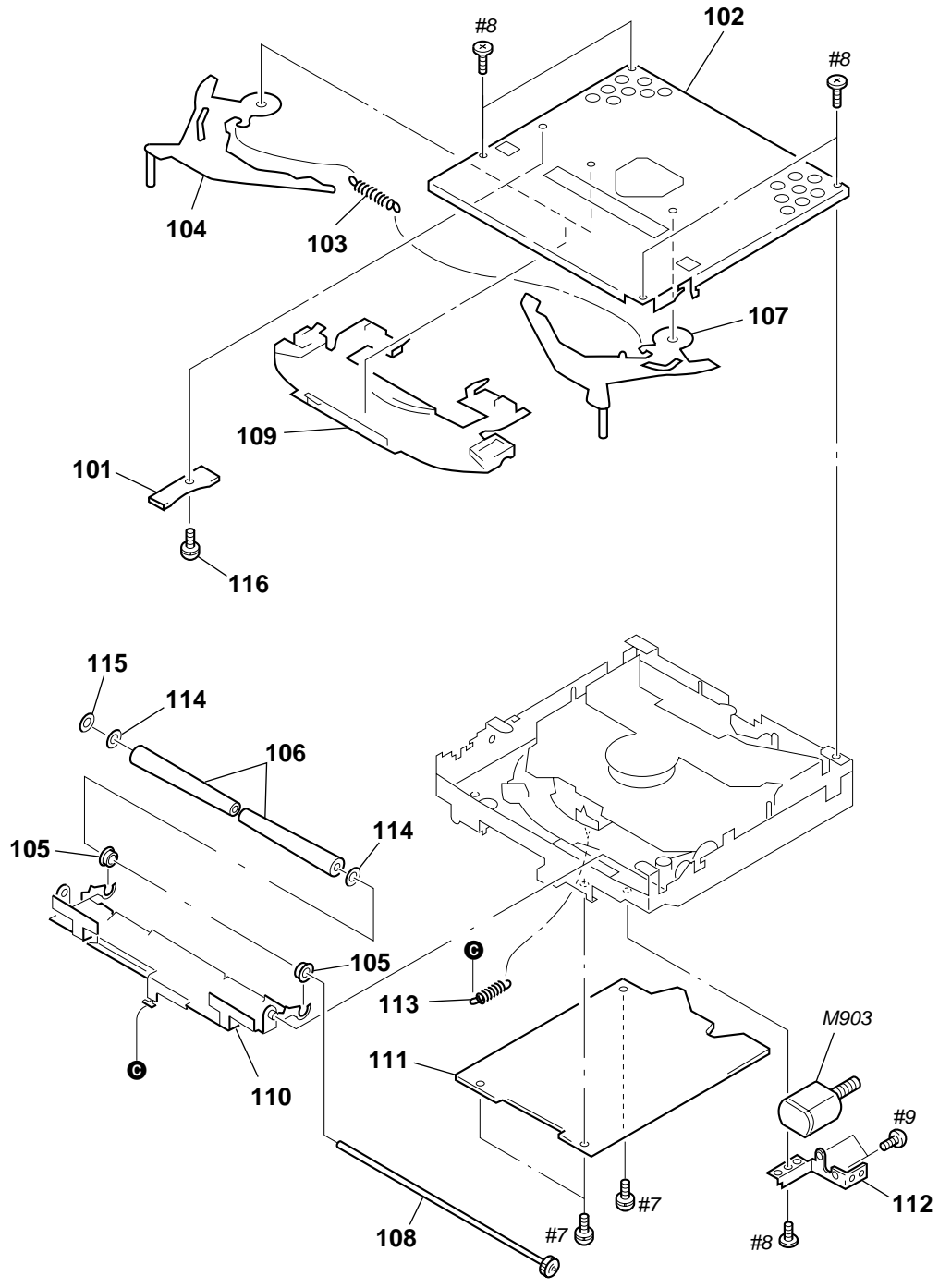
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3380-007-1	PANEL ASSY (CD), SUB		* 13	A-3283-103-A	MAIN BOARD, COMPLETE (L570X)	
2	3-041-039-01	BUTTON (EJECT)		13	A-3283-154-A	MAIN BOARD, COMPLETE (L550X)	
* 3	1-679-988-11	RELAY BOARD		* 14	3-224-312-11	HEAT SINK (MAIN)	
4	X-3376-686-1	GEAR ASSY		* 15	3-019-565-01	BRACKET (IC)	
5	3-030-909-02	DAMPER, OIL		* 16	3-041-261-01	BRACKET (TR)	
6	3-713-786-51	SCREW +P 2X3		* 17	3-224-313-01	HEAT SINK (REG)	
7	X-3376-687-1	LOCK ASSY		* 18	3-224-308-01	CHASSIS	
* 8	3-224-309-01	COVER		19	3-035-250-01	SCREW (LOCK)	
9	1-776-207-82	CORD (WITH CONNECTOR) (POWER)		* 20	X-3376-689-1	BRACKET (GEAR) ASSY	
* 10	3-024-285-01	CUSHION (RUBBER)		F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
* 11	3-041-173-01	BRACKET (CD)		TU601	A-3220-738-A	TUNER UNIT (TUX-020)	
12	3-922-535-11	SCREW (+BTT)					

4-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3-224-293-01	BUTTON (CROSS)		* 59	3-224-306-01	PLATE (LCD), GROUND	
52	3-224-300-01	BUTTON (OPEN) (L550X)		60	1-694-787-11	CONDUCTIVE BOARD, CONNECTION	
52	3-224-300-11	BUTTON (OPEN) (L570X)		* 61	3-224-307-01	SHEET (DIFFUSION)	
53	3-038-318-01	SPRING (RELEASE)		* 62	X-3379-981-1	HOLDER (LCD) ASSY	
54	X-3379-984-1	PANEL (S) ASSY, FRONT (L550X)		63	3-224-292-01	KNOB (VOL) (L550X)	
54	X-3380-013-1	PANEL (S) ASSY, FRONT (L570X)		63	3-224-292-11	KNOB (VOL) (L570X)	
55	3-224-299-01	BUTTON (1-6)		64	3-224-295-01	BUTTON (SOURCE)	
56	3-224-298-01	BUTTON (OFF)		65	X-3379-982-1	PANEL ASSY, FRONT BACK	
57	3-224-297-01	BUTTON (MANU)		66	3-231-599-01	CUSHION (1-6)	
58	3-224-296-01	BUTTON (EQ)		LCD500	1-804-294-21	DISPLAY PANEL, LIQUID CRYSTAL	

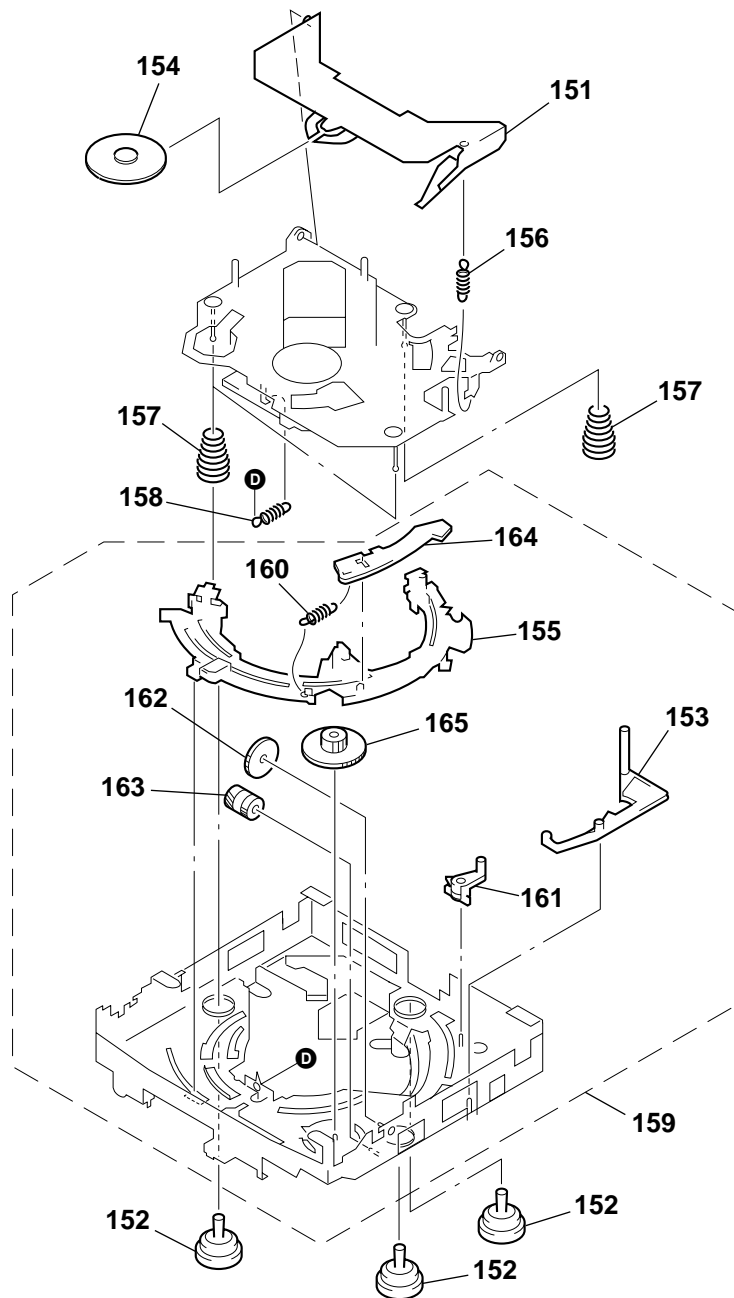
4-3. CD MECHANISM SECTION (1)  
(MG-393X-121//K)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 101	1-676-709-11	IN SELF SW BOARD		110	3-040-040-01	ARM (ROLLER)	
102	3-040-039-01	CHASSIS (T)		* 111	A-3283-048-A	SERVO BOARD, COMPLETE	
103	3-040-038-01	SPRING (LR), TENSION		112	3-221-779-01	BRACKET (MOTOR)	
104	3-040-050-01	LEVER (L)		113	3-040-034-01	SPRING (RA), TENSION	
105	3-040-022-01	RETAINER (ROLLER), SHAFT		114	3-040-042-01	WASHER	
106	3-040-044-01	ROLLER (S)		115	3-043-880-01	RING (RA), RETAINING	
107	3-040-067-01	LEVER (R)		116	3-044-206-11	SCREW, SPECIAL	
108	A-3301-980-A	SHAFT ROLLER ASSY		M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	
109	3-040-037-01	GUIDE (DISC)					

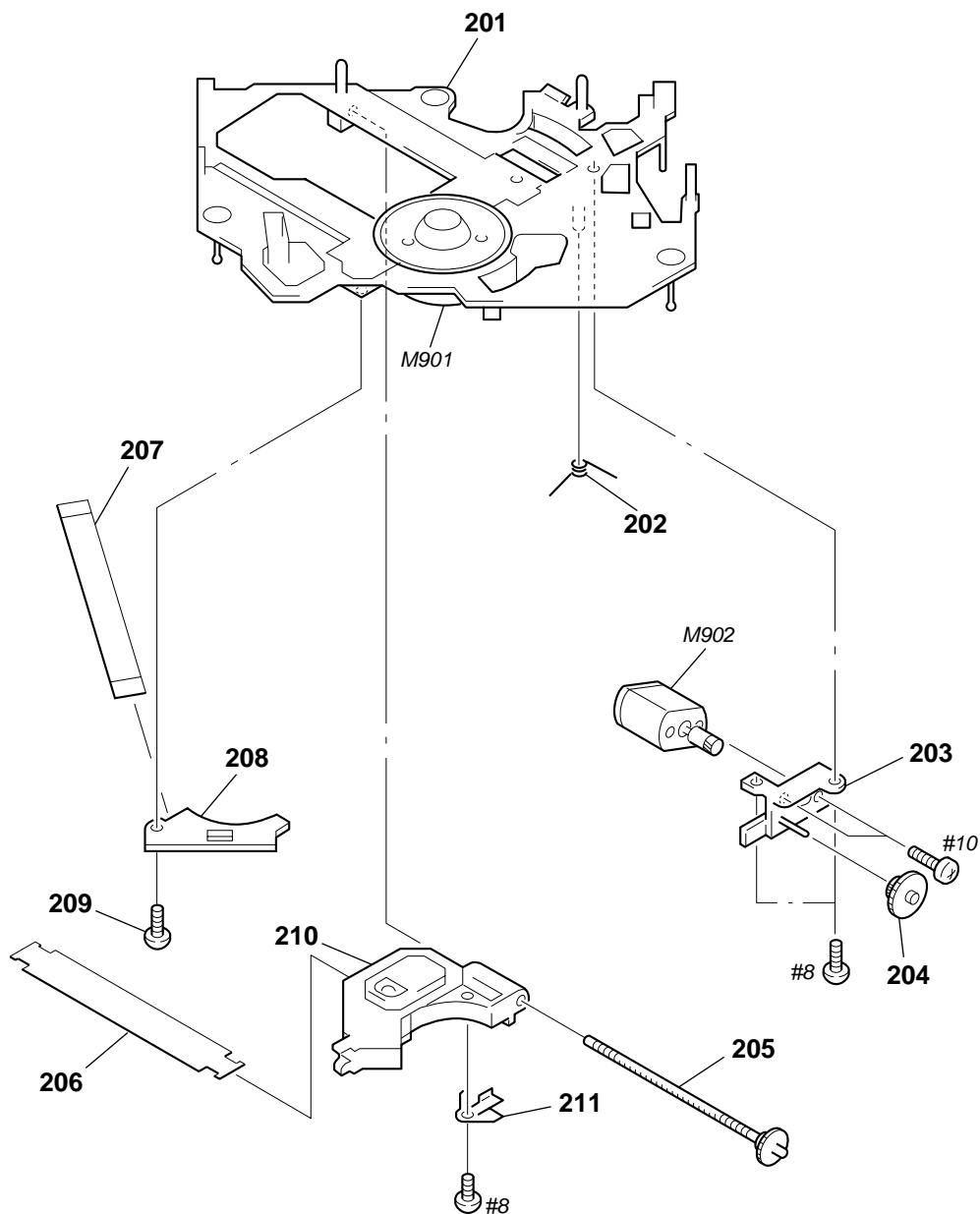


4-4. CD MECHANISM SECTION (2)  
(MG-393X-121//K)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-040-025-01	ARM, CHUCKING		159	A-3307-422-A	CHASSIS (M) COMPLETE ASSY	
152	3-040-031-01	DAMPER (T)		160	3-040-059-01	SPRING (TR), TENSION	
153	3-040-056-01	LEVER (D)		161	3-040-057-01	LEVER (LOCK)	
154	3-040-024-01	RETAINER (DISC)		162	3-040-058-01	GEAR (MDL)	
155	3-040-053-01	RING, LOADING		163	3-040-052-01	WHEEL (U), WORM	
156	3-040-026-01	SPRING (CH), TENSION		164	3-040-051-01	LEVER (TR)	
157	3-040-032-01	SPRING (FL), COMPRESSION		165	3-040-054-01	WHEEL (LW), WORM	
158	3-040-033-01	SPRING (KF1), TENSION					

4-5. CD MECHANISM SECTION (3)  
(MG-393X-121//K)



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-3378-480-1	CHASSIS (OP) ASSY (including M901)		207	1-677-182-11	MOTOR FLEXIBLE BOARD	
202	3-040-029-01	SPRING (SL), TORSION		* 208	1-676-708-11	SL SW BOARD	
203	3-040-045-01	BASE (DRIVING)		209	3-909-607-01	SCREW	
204	3-040-194-01	GEAR (MIDWAY)		$\triangle$ 210	8-820-103-03	PICK-UP, OPTICAL KSS-720A/K1RP	
205	A-3301-983-A	SHAFT (FEED) ASSY		211	3-040-030-01	SPRING (FEED), PLATE	
206	1-676-707-11	PICK-UP FLEXIBLE BOARD		M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	

## SECTION 5 ELECTRICAL PARTS LIST

DISPLAY

**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.. : μA.. uPA.. : μPA..  
uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..
- CAPACITORS  
uF : μF
- COILS  
uH : μH

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		Ref. No.	Part No.	Description	Remark
		DISPLAY BOARD *****			LSW506	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (◀◀, SEEK -, ◀◀)	
	1-694-787-11	CONDUCTIVE BOARD, CONNECTION			LSW507	1-771-883-11	SWITCH, TACTILE (WITH LED) (SOUND)	
*	3-224-306-01	PLATE (LCD), GROUND			LSW508	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (ENTER)	
*	3-224-307-01	SHEET (DIFFUSION)			LSW509	1-771-883-11	SWITCH, TACTILE (WITH LED) (DSPL)	
		< CAPACITOR >			LSW510	1-771-883-11	SWITCH, TACTILE (WITH LED) (LIST)	
C531	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V			LSW513	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (SOURCE)	
C532	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V			LSW514	1-771-883-11	SWITCH, TACTILE (WITH LED) (MODE)	
C533	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V			LSW515	1-771-500-21	SWITCH, KEYBOARD (WITH LED) (EQ7)	
C534	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V			LSW516	1-771-500-21	SWITCH, KEYBOARD (WITH LED) (POS)	
C535	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V			LSW517	1-771-883-11	SWITCH, TACTILE (WITH LED) (6)	
C536	1-162-963-11	CERAMIC CHIP 680PF 10% 50V			LSW518	1-771-883-11	SWITCH, TACTILE (WITH LED) (5)	
		< CONNECTOR >			LSW519	1-771-883-11	SWITCH, TACTILE (WITH LED) (4)	
CN501	1-794-065-12	PLUG, CONNECTOR 14P			LSW520	1-771-883-11	SWITCH, TACTILE (WITH LED) (3)	
		< DIODE >			LSW521	1-771-883-11	SWITCH, TACTILE (WITH LED) (2/SHUF)	
D501	8-719-056-93	DIODE UDZ-TE-17-18B			LSW522	1-771-883-11	SWITCH, TACTILE (WITH LED) (1/REP)	
D502	8-719-068-68	DIODE SDZ6V2WA					< RESISTOR >	
D503	8-719-069-56	DIODE UDZS-TE17-6.2B			R501	1-216-819-11	METAL CHIP 680 5% 1/16W	
D504	8-719-069-54	DIODE UDZS-TE17-5.1B			R502	1-216-819-11	METAL CHIP 680 5% 1/16W	
		< IC >			R503	1-216-819-11	METAL CHIP 680 5% 1/16W	
IC501	8-759-826-21	IC LC75874W			R504	1-216-821-11	METAL CHIP 1K 5% 1/16W	
IC502	8-749-017-35	IC KSM-401N			R505	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
		< LIQUID CRYSTAL DISPLAY >			R506	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
LCD500	1-804-294-21	DISPLAY PANEL, LIQUID CRYSTAL			R507	1-216-825-11	METAL CHIP 2.2K 5% 1/16W	
		< DIODE >			R508	1-216-827-11	METAL CHIP 3.3K 5% 1/16W	
LED510	8-719-078-19	LED LWA673-R1S2 (LCD BACK LIGHT)			R509	1-216-829-11	METAL CHIP 4.7K 5% 1/16W	
LED511	8-719-078-19	LED LWA673-R1S2 (LCD BACK LIGHT)			R510	1-216-831-11	METAL CHIP 6.8K 5% 1/16W	
LED512	8-719-078-19	LED LWA673-R1S2 (LCD BACK LIGHT)			R514	1-216-819-11	METAL CHIP 680 5% 1/16W	
LED513	8-719-078-19	LED LWA673-R1S2 (LCD BACK LIGHT)			R515	1-216-819-11	METAL CHIP 680 5% 1/16W	
		< SWITCH >			R516	1-216-819-11	METAL CHIP 680 5% 1/16W	
LSW501	1-771-883-11	SWITCH, TACTILE (WITH LED) (OFF)			R517	1-216-821-11	METAL CHIP 1K 5% 1/16W	
LSW502	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (MENU)			R518	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
LSW503	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (DISC/PRESET +)			R519	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
LSW504	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (DISC/PRESET -)			R520	1-216-825-11	METAL CHIP 2.2K 5% 1/16W	
LSW505	1-771-476-11	SWITCH, KEYBOARD (WITH LED) (▶▶, SEEK +, ▶▶)			R521	1-216-827-11	METAL CHIP 3.3K 5% 1/16W	
					R522	1-216-829-11	METAL CHIP 4.7K 5% 1/16W	
					R523	1-216-831-11	METAL CHIP 6.8K 5% 1/16W	
					R524	1-216-864-11	SHORT 0	
					R525	1-216-817-11	METAL CHIP 470 5% 1/16W	
					R526	1-216-817-11	METAL CHIP 470 5% 1/16W	
					R527	1-216-817-11	METAL CHIP 470 5% 1/16W	
					R528	1-216-817-11	METAL CHIP 470 5% 1/16W	
					R532	1-216-825-11	METAL CHIP 2.2K 5% 1/16W	
					R533	1-216-815-11	METAL CHIP 330 5% 1/16W	

# CDX-L550X/L570X

**DISPLAY**    **IN SELF SW**    **MAIN**

Ref. No.	Part No.	Description	Remark
R534	1-216-857-11	METAL CHIP 1M 5%	1/16W
R535	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R536	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R537	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R538	1-216-841-11	METAL CHIP 47K 5%	1/16W
R539	1-216-821-11	METAL CHIP 1K 5%	1/16W
R540	1-216-821-11	METAL CHIP 1K 5%	1/16W
R541	1-216-821-11	METAL CHIP 1K 5%	1/16W
R542	1-216-818-11	METAL CHIP 560 5%	1/16W
R543	1-216-818-11	METAL CHIP 560 5%	1/16W
R544	1-216-864-11	SHORT 0	
R545	1-216-864-11	SHORT 0	
R546	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R547	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R548	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R549	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R550	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R551	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R552	1-216-818-11	METAL CHIP 560 5%	1/16W
R553	1-216-818-11	METAL CHIP 560 5%	1/16W
R554	1-216-817-11	METAL CHIP 470 5%	1/16W
R555	1-216-817-11	METAL CHIP 470 5%	1/16W
R556	1-216-817-11	METAL CHIP 470 5%	1/16W
R557	1-216-817-11	METAL CHIP 470 5%	1/16W
< ROTARY ENCODER >			
RE501	1-418-818-21	ENCODER, ROTARY	
*****			
*	1-676-709-11	IN SELF SW BOARD	
*****			
< SWITCH >			
SW2	1-529-566-41	SWITCH, PUSH (1 KEY) (SELF)	
SW3	1-529-566-41	SWITCH, PUSH (1 KEY) (DISC IN)	
*****			
*	A-3283-103-A	MAIN BOARD, COMPLETE (L570X)	
	A-3283-154-A	MAIN BOARD, COMPLETE (L550X)	
*****			
*	3-019-565-01	BRACKET (IC)	
*	3-041-261-01	BRACKET (TR)	
*	3-224-312-11	HEAT SINK (MAIN)	
*	3-224-313-01	HEAT SINK (REG)	
	7-685-535-19	SCREW +BTP 2.6X10 TYPE 2 N-S	
	7-685-793-09	SCREW +PTT 2.6X8 (S)	
	7-685-795-09	SCREW +PTT 2.6X12 (S)	
< CAPACITOR >			
C101	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C112	1-124-233-11	ELECT 10uF 20%	16V
C113	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C122	1-124-233-11	ELECT 10uF 20%	16V
C123	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C201	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V

Ref. No.	Part No.	Description	Remark
C212	1-124-233-11	ELECT 10uF 20%	16V
C213	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C222	1-124-233-11	ELECT 10uF 20%	16V
C223	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C402	1-124-259-11	ELECT 4.7uF 20%	16V
C403	1-124-233-11	ELECT 10uF 20%	16V
C404	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C405	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C455	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C465	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C471	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C476	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C601	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C602	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C603	1-126-382-11	ELECT 100uF 20%	16V
C604	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C605	1-126-382-11	ELECT 100uF 20%	16V
C606	1-109-982-11	CERAMIC CHIP 1uF 10%	10V
C607	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V
C608	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V
C610	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C611	1-109-982-11	CERAMIC CHIP 1uF 10%	10V
C612	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C701	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C702	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V
C703	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C704	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C705	1-126-176-11	ELECT 220uF 20%	10V
C706	1-124-233-11	ELECT 10uF 20%	16V
C708	1-126-153-11	ELECT 22uF 20%	6.3V
C709	1-126-176-11	ELECT 220uF 20%	10V
C710	1-126-153-11	ELECT 22uF 20%	6.3V
C801	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V
C804	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C805	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C806	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C809	1-128-647-11	DOUBLE LAYERS 0.1F 5.5V	
C810	1-124-584-00	ELECT 100uF 20%	10V
C812	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C814	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C815	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C816	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C865	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C905	1-126-160-11	ELECT 1uF 20%	50V
C906	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C907	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C912	1-124-233-11	ELECT 10uF 20%	16V
C914	1-135-473-21	ELECT 3300uF 20%	16V
C915	1-110-563-11	CERAMIC CHIP 0.068uF 10%	16V
C916	1-124-589-11	ELECT 47uF 20%	16V
C917	1-126-157-11	ELECT 10uF 20%	16V
C919	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C921	1-126-153-11	ELECT 22uF 20%	6.3V
C922	1-164-156-11	CERAMIC CHIP 0.1uF 25V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C926	1-126-157-11	ELECT	10uF 20% 16V			< IC >	
C927	1-126-157-11	ELECT	10uF 20% 16V				
C928	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC401	8-759-827-13	IC TDA7406T	
C929	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	IC404	8-759-827-14	IC TA8268AH	
C930	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	IC801	6-800-079-01	IC MN101C49KTG1	
				IC802	8-759-682-69	IC XC61CN4302MR	
C932	1-125-837-11	CERAMIC CHIP	1uF 10% 6.3V	IC901	8-759-661-47	IC BA4908-V3	
C933	1-164-156-11	CERAMIC CHIP	0.1uF 25V			< JUMPER RESISTOR >	
C934	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V				
		< CONNECTOR >		JR101	1-216-864-11	SHORT	0
CNP701	1-764-617-12	PIN, CONNECTOR (PC BOARD) 30P		JR102	1-216-864-11	SHORT	0
CNP802	1-569-907-11	SOCKET, CONNECTOR 12P		JR103	1-216-864-11	SHORT	0
CNP902	1-774-701-11	PIN, CONNECTOR 16P		JR104	1-216-864-11	SHORT	0
		< JACK >		JR105	1-216-864-11	SHORT	0
CNP801	1-764-270-21	JACK, STEREO MINIATURE (DIA.3.5) (REMOTE IN)		JR106	1-216-864-11	SHORT	0
		< DIODE >		JR107	1-216-864-11	SHORT	0
D601	8-719-056-65	DIODE 1SS372-TE85L		JR108	1-216-864-11	SHORT	0
D801	8-719-988-61	DIODE 1SS355TE-17		JR201	1-216-864-11	SHORT	0
D802	8-719-988-61	DIODE 1SS355TE-17		JR202	1-216-864-11	SHORT	0
D803	8-719-921-63	DIODE MTZJ-T-77-7.5B		JR203	1-216-864-11	SHORT	0
D804	8-719-110-49	DIODE MTZJ-T-77-18B		JR204	1-216-864-11	SHORT	0
D809	8-719-109-97	DIODE MTZJ-T-77-6.8B		JR301	1-216-864-11	SHORT	0
D811	8-719-978-33	DIODE UDZS-TE17-6.8B		JR411	1-216-864-11	SHORT	0
D812	8-719-978-33	DIODE UDZS-TE17-6.8B		JR412	1-216-864-11	SHORT	0
D813	8-719-978-33	DIODE UDZS-TE17-6.8B		JR490	1-216-864-11	SHORT	0
D814	8-719-978-33	DIODE UDZS-TE17-6.8B		JR602	1-216-864-11	SHORT	0
D815	8-719-109-97	DIODE MTZJ-T-77-6.8B		JR701	1-216-864-11	SHORT	0
D816	8-719-978-33	DIODE UDZS-TE17-6.8B		JR702	1-216-864-11	SHORT	0
D817	8-719-109-97	DIODE MTZJ-T-77-6.8B		JR703	1-216-864-11	SHORT	0
D818	8-719-978-33	DIODE UDZS-TE17-6.8B		JR740	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
D901	8-719-991-33	DIODE 1SS133T-77		JR801	1-216-864-11	SHORT	0
D902	8-719-200-82	DIODE 11ES2-TA1B		JR802	1-216-864-11	SHORT	0
D906	8-719-978-33	DIODE UDZS-TE17-6.8B		JR803	1-216-864-11	SHORT	0
D907	8-719-200-82	DIODE 11ES2-TA1B		JR804	1-216-864-11	SHORT	0
D908	8-719-988-61	DIODE 1SS355TE-17		JR805	1-216-864-11	SHORT	0
D909	1-216-864-11	SHORT	0	JR806	1-216-864-11	SHORT	0
D911	8-719-079-97	DIODE CRZ22(TE85L.SONY)		JR901	1-216-864-11	SHORT	0
D912	8-719-079-97	DIODE CRZ22(TE85L.SONY)				< COIL >	
D913	8-719-079-97	DIODE CRZ22(TE85L.SONY)		L900	1-419-476-31	COIL, CHOKE 250uH	
D914	8-719-079-97	DIODE CRZ22(TE85L.SONY)				< JACK >	
D915	8-719-079-97	DIODE CRZ22(TE85L.SONY)		PJ401	1-774-698-11	JACK, PIN 2P (AUDIO OUT REAR)	
D916	8-719-079-97	DIODE CRZ22(TE85L.SONY)		PJ601	1-793-598-11	JACK (ANTENNA)	
D917	8-719-079-97	DIODE CRZ22(TE85L.SONY)				< TRANSISTOR >	
D918	8-719-079-97	DIODE CRZ22(TE85L.SONY)		Q101	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D919	8-719-200-82	DIODE 11ES2-TA1B		Q102	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D920	8-719-049-38	DIODE 1N5404TU		Q201	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D931	8-719-056-84	DIODE UDZS-TE17-7.5B		Q202	8-729-920-21	TRANSISTOR DTC314TK-T-146	
D932	8-719-978-33	DIODE UDZS-TE17-6.8B		Q801	8-729-027-31	TRANSISTOR DTA124EKA-T146	
D934	1-216-864-11	SHORT	0	Q802	1-801-806-11	TRANSISTOR DTC144EK-T146	
D935	1-216-864-11	SHORT	0	Q803	8-729-900-53	TRANSISTOR DTC114EKA-T146	
D941	8-719-109-89	DIODE MTZJ-T-77-5.6B					

# CDX-L550X/L570X

## MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q805	8-729-049-40	TRANSISTOR STC2412G		R808	1-216-841-11	METAL CHIP 47K	5% 1/16W
Q901	8-729-049-40	TRANSISTOR STC2412G		R810	1-216-809-11	METAL CHIP 100	5% 1/16W
Q902	8-729-049-40	TRANSISTOR STC2412G		R811	1-216-809-11	METAL CHIP 100	5% 1/16W
Q905	8-729-049-43	TRANSISTOR STB1132Y		R812	1-216-809-11	METAL CHIP 100	5% 1/16W
Q906	8-729-901-00	TRANSISTOR DTC124EKA-T146		R813	1-216-809-11	METAL CHIP 100	5% 1/16W
Q907	8-729-900-53	TRANSISTOR DTC114EKA-T146		R814	1-216-845-11	METAL CHIP 100K	5% 1/16W
Q908	8-729-901-00	TRANSISTOR DTC124EKA-T146		R815	1-216-809-11	METAL CHIP 100	5% 1/16W
Q909	8-729-027-31	TRANSISTOR DTA124EKA-T146		R816	1-216-821-11	METAL CHIP 1K	5% 1/16W
Q910	8-729-021-82	TRANSISTOR 2SD2396K		R817	1-216-809-11	METAL CHIP 100	5% 1/16W
Q911	8-729-052-35	TRANSISTOR STD1664		R818	1-216-809-11	METAL CHIP 100	5% 1/16W
Q912	1-801-806-11	TRANSISTOR DTC144EK-T146		R819	1-216-821-11	METAL CHIP 1K	5% 1/16W
Q913	8-729-901-04	TRANSISTOR DTA114EK-T146		R820	1-216-821-11	METAL CHIP 1K	5% 1/16W
Q914	8-729-901-00	TRANSISTOR DTC124EKA-T146		R821	1-216-845-11	METAL CHIP 100K	5% 1/16W
Q915	8-729-027-31	TRANSISTOR DTA124EKA-T146		R822	1-216-845-11	METAL CHIP 100K	5% 1/16W
< RESISTOR >				R823	1-216-845-11	METAL CHIP 100K	5% 1/16W
R111	1-216-813-11	METAL CHIP 220	5% 1/16W	R825	1-216-675-00	METAL CHIP 10K	0.5% 1/10W
R114	1-216-864-11	SHORT 0		R826	1-216-675-00	METAL CHIP 10K	0.5% 1/10W
R115	1-216-841-11	METAL CHIP 47K	5% 1/16W	R827	1-216-837-11	METAL CHIP 22K	5% 1/16W
R118	1-216-864-11	SHORT 0		R828	1-216-821-11	METAL CHIP 1K	5% 1/16W
R121	1-216-813-11	METAL CHIP 220	5% 1/16W	R833	1-216-849-11	METAL CHIP 220K	5% 1/16W
R124	1-216-864-11	SHORT 0		R834	1-216-809-11	METAL CHIP 100	5% 1/16W
R125	1-216-841-11	METAL CHIP 47K	5% 1/16W	R835	1-216-809-11	METAL CHIP 100	5% 1/16W
R128	1-216-864-11	SHORT 0		R836	1-216-675-00	METAL CHIP 10K	0.5% 1/10W
R211	1-216-813-11	METAL CHIP 220	5% 1/16W	R837	1-216-849-11	METAL CHIP 220K	5% 1/16W
R214	1-216-864-11	SHORT 0		R839	1-216-849-11	METAL CHIP 220K	5% 1/16W
R215	1-216-841-11	METAL CHIP 47K	5% 1/16W	R840	1-216-849-11	METAL CHIP 220K	5% 1/16W
R218	1-216-864-11	SHORT 0		R841	1-216-849-11	METAL CHIP 220K	5% 1/16W
R221	1-216-813-11	METAL CHIP 220	5% 1/16W	R842	1-216-833-11	METAL CHIP 10K	5% 1/16W
R224	1-216-864-11	SHORT 0		R843	1-247-807-31	CARBON 100	5% 1/4W
R225	1-216-841-11	METAL CHIP 47K	5% 1/16W	R844	1-247-807-31	CARBON 100	5% 1/4W
R228	1-216-864-11	SHORT 0		R845	1-216-845-11	METAL CHIP 100K	5% 1/16W
R401	1-216-821-11	METAL CHIP 1K	5% 1/16W	R851	1-216-845-11	METAL CHIP 100K	5% 1/16W
R402	1-216-833-11	METAL CHIP 10K	5% 1/16W				(L570X)
R403	1-216-841-11	METAL CHIP 47K	5% 1/16W	R852	1-216-864-11	SHORT 0	(L550X)
R404	1-216-831-11	METAL CHIP 6.8K	5% 1/16W	R853	1-216-841-11	METAL CHIP 47K	5% 1/16W
R601	1-216-864-11	SHORT 0					(L570X)
R602	1-216-831-11	METAL CHIP 6.8K	5% 1/16W	R854	1-249-417-11	CARBON 1K	5% 1/4W
R604	1-216-845-11	METAL CHIP 100K	5% 1/16W	R855	1-216-864-11	SHORT 0	
R608	1-216-809-11	METAL CHIP 100	5% 1/16W	R856	1-216-821-11	METAL CHIP 1K	5% 1/16W
R609	1-216-809-11	METAL CHIP 100	5% 1/16W	R857	1-216-833-11	METAL CHIP 10K	5% 1/16W
R610	1-216-864-11	SHORT 0		R858	1-216-849-11	METAL CHIP 220K	5% 1/16W
R611	1-216-841-11	METAL CHIP 47K	5% 1/16W	R861	1-216-845-11	METAL CHIP 100K	5% 1/16W
R701	1-216-841-11	METAL CHIP 47K	5% 1/16W	R862	1-216-845-11	METAL CHIP 100K	5% 1/16W
R702	1-216-864-11	SHORT 0		R863	1-216-833-11	METAL CHIP 10K	5% 1/16W
R703	1-216-864-11	SHORT 0		R864	1-216-833-11	METAL CHIP 10K	5% 1/16W
R801	1-216-837-11	METAL CHIP 22K	5% 1/16W	R865	1-216-849-11	METAL CHIP 220K	5% 1/16W
R802	1-216-813-11	METAL CHIP 220	5% 1/16W	R866	1-216-849-11	METAL CHIP 220K	5% 1/16W
R803	1-216-825-11	METAL CHIP 2.2K	5% 1/16W	R867	1-216-849-11	METAL CHIP 220K	5% 1/16W
R804	1-216-825-11	METAL CHIP 2.2K	5% 1/16W	R868	1-216-849-11	METAL CHIP 220K	5% 1/16W
R805	1-216-825-11	METAL CHIP 2.2K	5% 1/16W	R901	1-216-833-11	METAL CHIP 10K	5% 1/16W
R806	1-216-809-11	METAL CHIP 100	5% 1/16W	R906	1-216-805-11	METAL CHIP 47	5% 1/16W
R807	1-216-809-11	METAL CHIP 100	5% 1/16W	R907	1-216-829-11	METAL CHIP 4.7K	5% 1/16W
				R908	1-216-864-11	SHORT 0	

MAIN

RELAY

SERVO

Ref. No.	Part No.	Description	Remark
R909	1-216-821-11	METAL CHIP 1K 5%	1/16W
R910	1-216-841-11	METAL CHIP 47K 5%	1/16W
R911	1-216-833-11	METAL CHIP 10K 5%	1/16W
R912	1-216-833-11	METAL CHIP 10K 5%	1/16W
R913	1-216-073-00	METAL CHIP 10K 5%	1/10W
R914	1-216-841-11	METAL CHIP 47K 5%	1/16W
R915	1-216-841-11	METAL CHIP 47K 5%	1/16W
R916	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R917	1-216-845-11	METAL CHIP 100K 5%	1/16W
R919	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R920	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R921	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R922	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R923	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R924	1-216-809-11	METAL CHIP 100 5%	1/16W
R925	1-216-845-11	METAL CHIP 100K 5%	1/16W
R926	1-216-059-00	METAL CHIP 2.7K 5%	1/10W
R927	1-216-073-00	METAL CHIP 10K 5%	1/10W
R928	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R930	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R934	1-249-400-11	CARBON 39 5%	1/4W
R935	1-249-400-11	CARBON 39 5%	1/4W
R936	1-249-400-11	CARBON 39 5%	1/4W
R937	1-249-400-11	CARBON 39 5%	1/4W
< SWITCH >			
S901	1-762-638-21	SWITCH, TACTILE (RESET)	
S902	1-771-540-11	SWITCH, PUSH (1 KEY) (NOSE DET)	
SW802	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT) (L570X)	
< TUNER >			
TU601	A-3220-738-A	TUNER UNIT (TUX-020)	
< VIBRATOR >			
X801	1-781-822-21	VIBRATOR, CERAMIC (18.432MHz)	
X802	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)	
*****			
*	1-679-988-11	RELAY BOARD *****	
< CONNECTOR >			
CNP902	1-794-064-12	SOCKET, CONNECTOR 14P	
CNP903	1-792-173-11	CABLE, FLAT (FFC) 12P	
< DIODE >			
LED905	8-719-078-39	LED CL-170SR-CD-T (CD WINDOW)	
< SWITCH >			
LSW916	1-771-883-11	SWITCH, TACTILE (WITH LED) (▲)	

Ref. No.	Part No.	Description	Remark
< RESISTOR >			
R930	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R931	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
R932	1-216-823-11	METAL CHIP 1.5K 5%	1/16W
*****			
*	A-3283-048-A	SERVO BOARD, COMPLETE *****	
< CAPACITOR >			
C1	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C3	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C4	1-104-609-11	ELECT CHIP 100uF 20%	4V
C5	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C6	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C7	1-126-394-11	ELECT CHIP 10uF 20%	16V
C8	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C9	1-162-924-11	CERAMIC CHIP 56PF 5%	50V
C10	1-162-924-11	CERAMIC CHIP 56PF 5%	50V
C11	1-162-909-11	CERAMIC CHIP 4PF 0.25PF	50V
C13	1-162-916-11	CERAMIC CHIP 12PF 5%	50V
C14	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C15	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C16	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C17	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C18	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
C19	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C20	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C21	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C22	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C23	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C24	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C25	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C26	1-126-391-11	ELECT CHIP 47uF 20%	6.3V
C27	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C28	1-126-391-11	ELECT CHIP 47uF 20%	6.3V
C29	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C30	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C31	1-126-391-11	ELECT CHIP 47uF 20%	6.3V
C34	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C35	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C36	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C37	1-126-393-11	ELECT CHIP 33uF 20%	10V
C38	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C39	1-126-391-11	ELECT CHIP 47uF 20%	6.3V
C41	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C43	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V
C44	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
< CONNECTOR >			
CN1	1-764-616-12	HOUSING, CONNECTOR (PC BOARD) 30P	
CN2	1-794-153-21	CONNECTOR, FPC (ZIF) 16P	
CN3	1-770-347-21	CONNECTOR, FPC 6P	

# CDX-L550X/L570X

**SERVO**      **SL SW**

Ref. No.	Part No.	Description	Remark
< JUMPER RESISTOR >			
FB1	1-216-864-11	SHORT	0
FB2	1-216-864-11	SHORT	0
FB3	1-216-864-11	SHORT	0
FB4	1-216-864-11	SHORT	0
FB6	1-216-864-11	SHORT	0
FB7	1-216-864-11	SHORT	0
< IC >			
IC1	8-759-699-98	IC uPD63711GC-8EU	
IC2	8-759-658-87	IC BA5810FP-E2	
< TRANSISTOR >			
Q1	8-729-904-87	TRANSISTOR 2SB1197K-T-146-R	
< RESISTOR >			
R3	1-216-797-11	METAL CHIP	10 5% 1/16W
R5	1-218-344-11	RES-CHIP	7.5K 5% 1/16W
R6	1-216-837-11	METAL CHIP	22K 5% 1/16W
R7	1-216-839-11	METAL CHIP	33K 5% 1/16W
R8	1-216-833-11	METAL CHIP	10K 5% 1/16W
R9	1-216-840-11	METAL CHIP	39K 5% 1/16W
R10	1-216-835-11	METAL CHIP	15K 5% 1/16W
R12	1-216-837-11	METAL CHIP	22K 5% 1/16W
R14	1-216-841-11	METAL CHIP	47K 5% 1/16W
R15	1-216-841-11	METAL CHIP	47K 5% 1/16W
R17	1-216-809-11	METAL CHIP	100 5% 1/16W
R18	1-216-809-11	METAL CHIP	100 5% 1/16W
R19	1-216-809-11	METAL CHIP	100 5% 1/16W
R20	1-216-809-11	METAL CHIP	100 5% 1/16W
R21	1-216-821-11	METAL CHIP	1K 5% 1/16W
R22	1-216-821-11	METAL CHIP	1K 5% 1/16W
R24	1-216-864-11	SHORT	0
R25	1-216-864-11	SHORT	0
R26	1-216-797-11	METAL CHIP	10 5% 1/16W
R29	1-216-833-11	METAL CHIP	10K 5% 1/16W
R30	1-216-833-11	METAL CHIP	10K 5% 1/16W
< SWITCH >			
SW1	1-762-944-12	SWITCH, DETECTION (SMALL TYPE) (DOWN)	
< VIBRATOR >			
X1	1-781-759-21	VIBRATOR, CERAMIC (CHIP TYPE)	(16.9344MHz)

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Ref. No.	Part No.	Description	Remark
*	1-676-708-11	SL SW BOARD	*****
< CONNECTOR >			
CN13	1-770-347-21	CONNECTOR, FPC 6P	
< SWITCH >			
SW4	1-529-565-41	SWITCH, PUSH (1 KEY) (LIMIT)	*****
MISCELLANEOUS			
*****			
9	1-776-207-82	CORD (WITH CONNECTOR) (POWER)	
201	X-3378-480-1	CHASSIS (OP) ASSY (including M901)	
206	1-676-707-11	PICK-UP FLEXIBLE BOARD	
207	1-677-182-11	MOTOR FLEXIBLE BOARD	
△210	8-820-103-03	PICK-UP, OPTICAL KSS-720A/K1RP	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	
M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	*****
ACCESSORIES & PACKING MATERIALS			
*****			
3-226-762-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, TRADITIONAL CHINESE) (L570X)		
3-226-763-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, TRADITIONAL CHINESE) (L570X)		
3-226-675-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (L550X)		
3-226-678-11	MANUAL, INSTRUCTION (ENGLISH) (L550X)		
3-226-678-21	MANUAL, INSTRUCTION (FRENCH) (L550X:CND)		
X-3378-390-2	CASE ASSY (for FRONT PANEL)		*****
*****			
*****			
HARDWARE LIST			
*****			
#1	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#2	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#3	7-685-795-09	SCREW +PTT 2.6X12 (S)	
#4	7-685-106-19	SCREW +P 2X10 TYPE 2 NON-SLIT	
#5	7-621-772-20	SCREW +B 2X5	
#6	7-685-535-19	SCREW +BTP 2.6X10 TYPE 2 N-S	
#7	7-628-253-00	SCREW, SPECIAL	
#8	7-627-553-37	SCREW, PRECISION +P 2X3 TYPE 3	
#9	7-627-553-17	SCREW, PRECISION +P 2X2 TYPE 3	
#10	7-627-850-28	SCREW, PRECISION +P 1.4X3	*****

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.
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Ref. No.	Part No.	Description	Remark
PARTS FOR INSTALLATION AND CONNECTIONS			
*****			
251	3-014-370-21	FRAME, FITTING	
252	3-916-012-01	BRACKET (ND), FITTING ASSIST (L550X)	
253	X-3368-725-1	SCREW ASSY, FITTING (L550X)	
254	7-682-160-01	SCREW +P 4X6 (L550X)	
255	X-3366-405-1	SCREW ASSY (EXP), FITTING (L570X)	
256	3-934-325-01	SCREW (+K 5X8 TP)	
257	3-030-929-04	SPRING, FITTING	
258	3-226-508-01	COLLAR	
259	1-776-207-82	CORD (WITH CONNECTOR) (POWER)	

