CDX-GT57UP

SERVICE MANUAL

US Model
Canadian Model

Ver. 1.0 2012.06

- The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	CDX-GT56UI
Mechanism Type	MG-101CA-188
Optical Pick-up Name	DAX-25A

FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.

POUR LES CONSOMMATEURS AUX ÉTATS-UNIS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVINCE DE QUÉBEC.

AUDIO POWER SPECIFICATIONS

CEA2006 Standard
Power Output: 17 Watts RMS × 4 at 4 Ohms < 1% THD+N
SN Ratio: 80 dBA
(reference: 1 Watt into 4 Ohms)

SPECIFICATIONS

Tuner section

FM
Tuning range: 87.5 – 107.9 MHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 25 kHz
Usable sensitivity: 8 dBf
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 80 dB (stereo)
Separation: 50 dB at 1 kHz
Frequency response: 20 – 15,000 Hz

AM
Tuning range: 530 – 1,710 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency:
9,115 kHz or 9,125 kHz/5 kHz
Sensitivity: 26 µV

CD Player section

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

USB Player section

Interface: USB (Full-speed)
Maximum current: 1 A

Power amplifier section

Output: Speaker outputs
Speaker impedance: 4 – 8 ohms
Maximum power output: 52 W × 4 (at 4 ohms)

General

Outputs:
Audio outputs terminal (rear/sub switchable)
Power antenna (aerial)/Power amplifier control terminal (REM OUT)
Inputs:
SiriusXM input terminal
Remote controller input terminal
Antenna (aerial) input terminal
AUX input jack (stereo mini jack)
USB port
Power requirements: 12 V DC car battery (negative ground (earth))
Dimensions: Approx. 178 × 50 × 179 mm ($7\ ^1/_8 \times 2 \times 7\ ^1/_8$ in) (w/h/d)
Mounting dimensions: Approx. 182 × 53 × 162 mm ($7\ ^1/_4 \times 2\ ^1/_8 \times 6\ ^1/_2$ in) (w/h/d)
Mass: Approx. 1.2 kg (2 lb 11 oz)
Supplied accessories:
Remote commander: RM-X211
Parts for installation and connections (1 set)

Design and specifications are subject to change without notice.

FM/AM COMPACT DISC PLAYER

9-893-495-01
2012F33-1

Sony Corporation
Published by Sony Techno Create Corporation

SONY®

SiriusXM subscriptions and Connect Tuner are sold separately.
www.siriusxm.com.

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CAUTION
The use of optical instruments with this product will increase eye hazard.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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.

FLEXIBLE CIRCUIT BOARD REPAIRING

- Keep the temperature of soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

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.

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.

TABLE OF CONTENTS

Accessories are given in the last of the electrical parts list.

SECTION 1
SERVICING NOTES

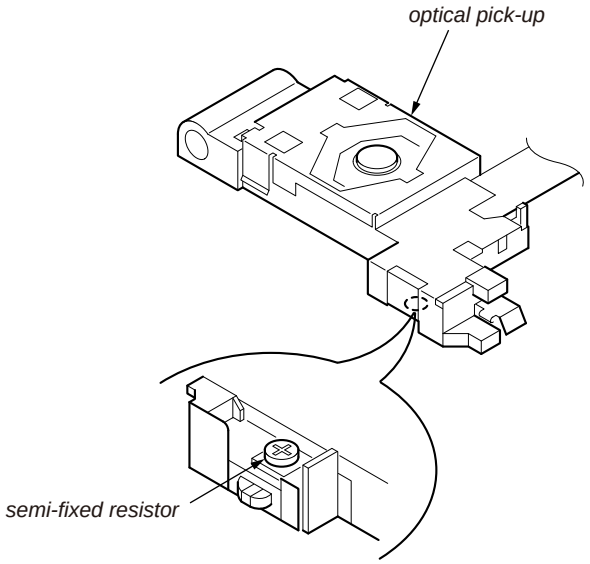
NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down 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

Never look into the laser diode emission from right above when checking it for adjustment. It is feared that you will lose your sight.

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.



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.

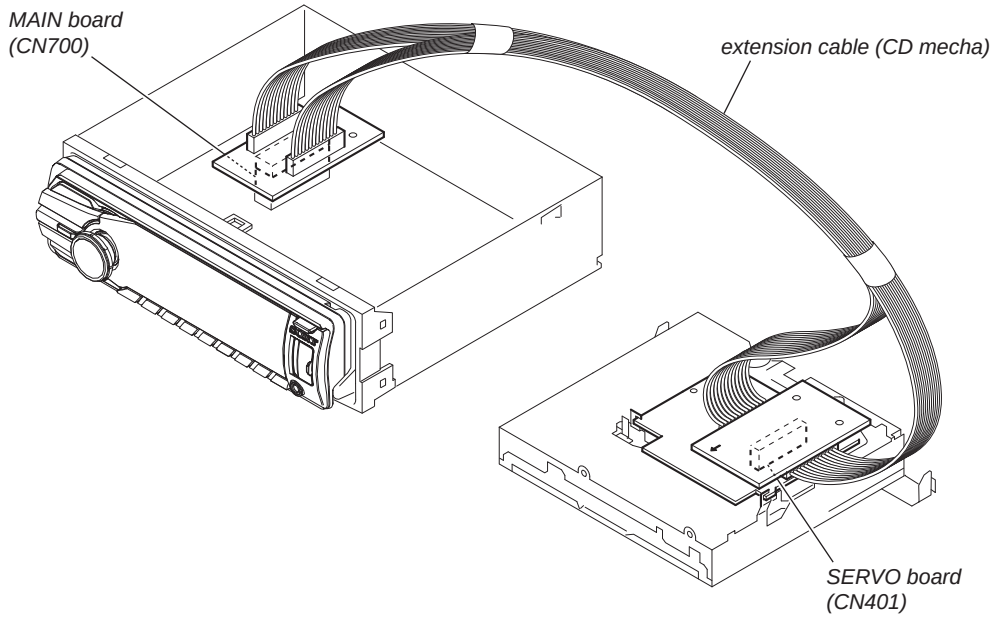
EXTENSION CABLE AND SERVICE POSITION

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

- Connect the MAIN board (CN700) and the SERVO board (CN401) with the jig cable.

Jig cable:

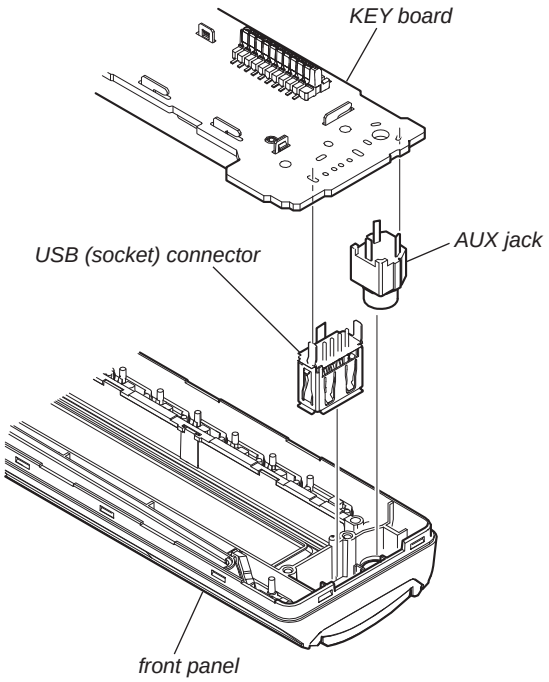
Part No.	Description
A-1818-424-A	EXTENSION CABLE (CD MECHA)



NOTE FOR REPLACEMENT OF THE USB CONNECTOR (CN902) AND THE AUX JACK (J901)

To replace the USB connector and the AUX jack requires alignment.

1. Insert the USB connector and the AUX jack into the front panel.
2. Place the KEY board on the front panel and align the terminals of the USB connector and the AUX jack with the holes in the KEY board.
3. Solder seven terminals of the connector and three terminals of the jack.



TEST DISCS

Use following TEST DISC when this set confirms the operation and checks it.

Part No.	Description
3-702-101-01	DISC (YEDS-18), TEST (for CD)
4-225-203-01	DISC (PATD-012), TEST (for CD)

NOTE FOR REPLACEMENT OF THE SERVO BOARD

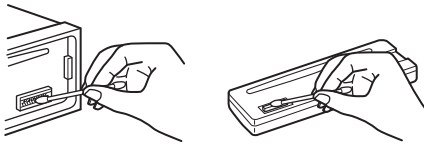
When repairing, the complete SERVO board should be replaced since any parts in the SERVO board cannot be repaired.

NOTE FOR REPLACEMENT OF THE SENSOR BOARD

When SENSOR board is defective, exchange the MECHANICAL BLOCK (11CA) ASSY.

CLEANING THE CONNECTORS

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, detach the front panel and clean the connectors with a cotton swab. Do not apply too much force. Otherwise, the connectors may be damaged.

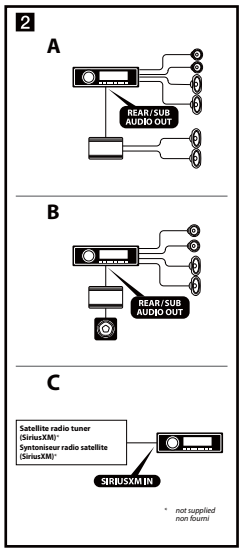


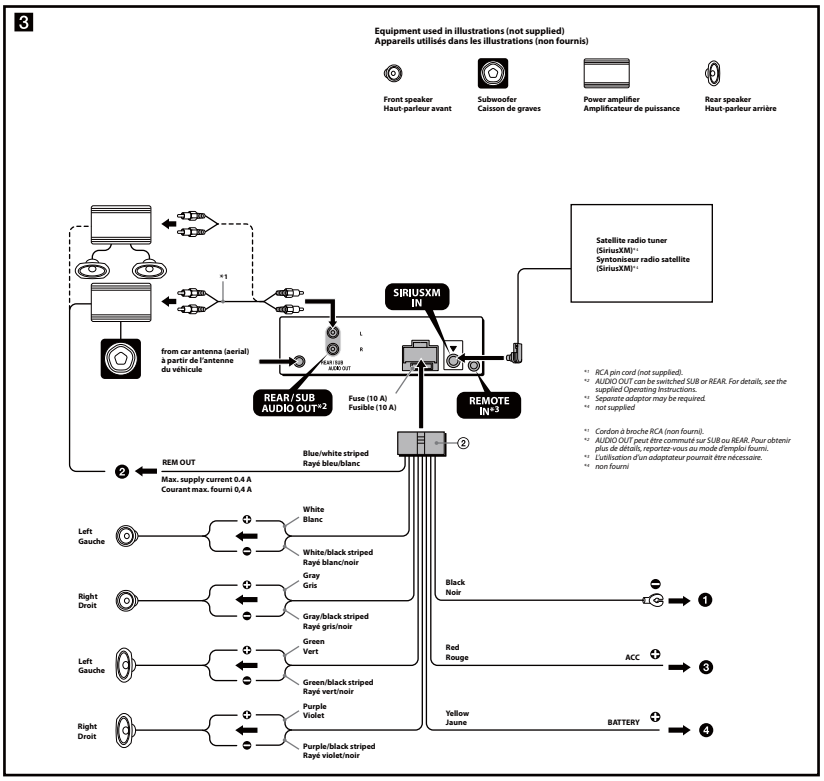
Notes

- For safety, turn off the ignition before cleaning the connectors, and remove the key from the ignition switch.
- Never touch the connectors directly with your fingers or with any metal device.

This section is extracted from instruction manual.

SECTION 2
GENERAL





English

Cautions

- This unit is designed for negative ground (earth) 12 V DC operation only.
- Do not get the leads under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the **yellow** and **red** power supply leads only after all other leads have been connected.
- **Run all ground (earth) leads to a common ground (earth) point.**
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- The use of optical instruments with this product will increase eye hazard.

Notes on the power supply lead (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.

Connection example (2)

Notes

- *Be sure to connect the ground (earth) lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

Connection diagram (3)

1 To a metal surface of the car
First connect the black ground (earth) lead, then connect the yellow and red power supply leads.

2 To the power antenna (aerial) control lead or power supply lead of antenna (aerial) booster

Notes

- *It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).*
- *When your car has a built-in FM/AM antenna (aerial) 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.

3 To the +12 V power terminal which is energized in the accessory position of the ignition 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 (earth) lead to a metal surface of the car first.*
- *When your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*

4 To the +12 V power terminal which is energized at all times
Be sure to connect the black ground (earth) lead to a metal surface of the car first.

Notes on the control and power supply leads

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

Memory hold connection
When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection

- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the ground (earth) lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

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

Français

Précautions

- Cet appareil est exclusivement conçu pour fonctionner sur une tension de 12 V CC avec masse négative.
- Évitez de fixer des vis sur les câbles ou de coincer ceux-ci dans des pièces mobiles (par exemple, armature de siège).
- Avant d'effectuer les raccordements, coupez le moteur pour éviter un court-circuit.
- Raccordez les câbles d'alimentation **jaune** et **rouge** seulement après avoir terminé tous les autres raccordements.
- **Rassemblez tous les câbles de mise à la masse en un point de masse commun.**
- Pour des raisons de sécurité, veillez à isoler avec du ruban isolant tout câble libre non raccordé.
- L'utilisation d'instruments optiques avec ce produit augmente les risques pour les yeux.

Remarques sur le câble d'alimentation (jaune)

- Lorsque cet appareil est raccordé à d'autres éléments stéréo, la valeur nominale du circuit de la voiture raccordé doit être supérieure à la somme des fusibles de chaque élément.
- Si aucun circuit de la voiture n'est assez puissant, raccordez directement l'appareil à la batterie.

Exemple de raccordement (2)

Remarques

- *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.*

Schéma de raccordement (3)

1 À un point métallique de la voiture
Branchez d'abord le câble de mise à la masse noir et, ensuite, les câbles d'alimentation jaune et rouge.

2 Au câble de commande d'antenne électrique ou au câble d'alimentation de l'amplificateur d'antenne

Remarques

- *Il n'est pas nécessaire de raccorder ce câble s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

Au niveau de AMP REMOTE IN de l'amplificateur de puissance en option
Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.

3 À la borne d'alimentation +12 V qui est alimentée quand la clé de contact est sur la position accessoires

Remarques

- *S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est alimentée en permanence. Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

4 À la borne d'alimentation +12 V qui est alimentée en permanence
Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.

Remarques sur les câbles de commande et d'alimentation

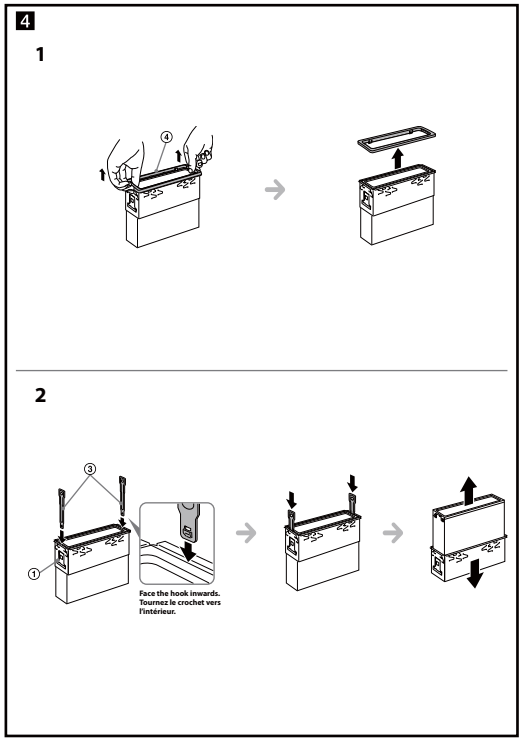
- *Le câble REM OUT (rayé bleu/blanc) fournit une alimentation de +12 V CC lorsque vous mettez l'appareil en marche.*
- *Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble REM OUT (rayé bleu/blanc) ou le câble d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

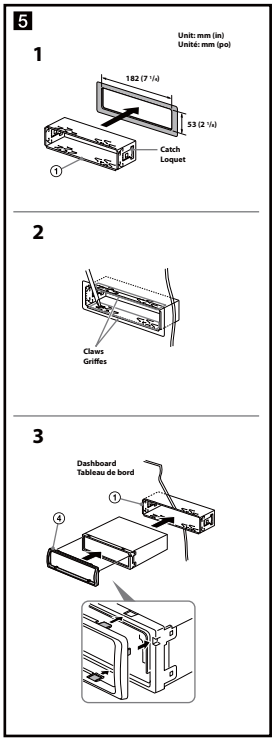
Raccordement pour la conservation de la mémoire
Lorsque le câble d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

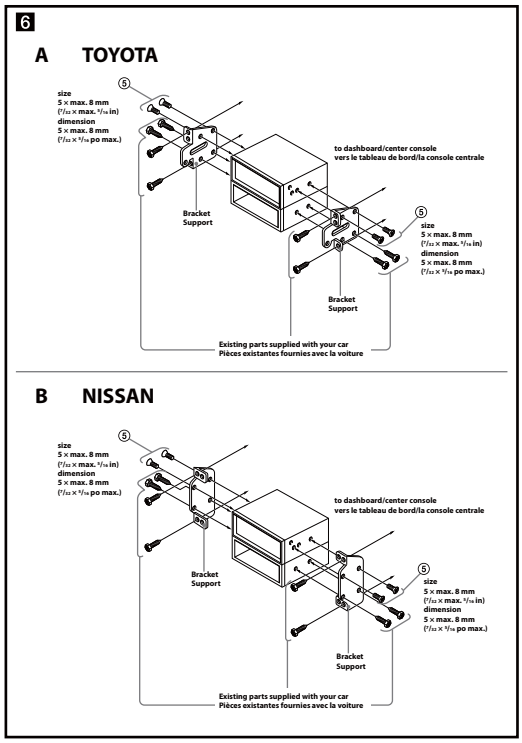
Remarques sur le raccordement des haut-parleurs

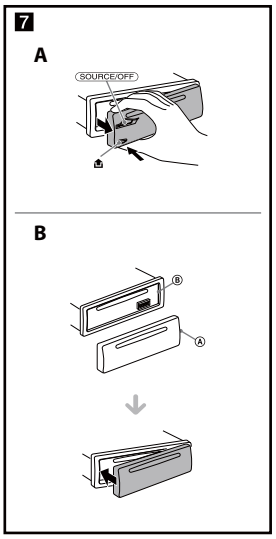
- *Avant de raccorder les haut-parleurs, éteignez l'appareil.*
- *Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.*
- *Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes du haut-parleur droit à celles du haut-parleur gauche.*
- *Ne raccordez pas le câble de mise à la masse de cet appareil à la borne négative (–) du haut-parleur.*
- *N'essayez pas de raccorder les haut-parleurs en parallèle.*
- *Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateurs intégrés) aux bornes des haut-parleurs peut endommager l'appareil.*
- *Pour éviter tout problème de fonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil possède un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cables des haut-parleurs de l'appareil.*

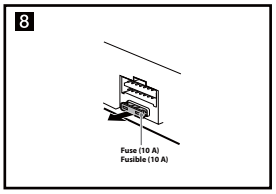
Remarque sur le raccordement
Si le haut-parleur et l'amplificateur ne sont pas raccordés correctement, le message « FAILURE » s'affiche. Dans ce cas, assurez-vous que les haut-parleurs et l'amplificateur sont bien raccordés.











English

Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperatures, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 45°.

Removing the protection collar and the bracket (4)

Before installing the unit, remove the protection collar ④ and the bracket ① from the unit.

1. **Remove the protection collar ④.**
   Pinch both edges of the protection collar ④, then pull it out.
2. **Remove the bracket ①.**
   ❶ Insert both release keys ③ together between the unit and the bracket ① until they click.
   ❷ Pull down the bracket ①, then pull up the unit to separate.

Mounting example (5)

Installation in the dashboard

Notes

- *Before installing, make sure that the catches on both sides of the bracket ① are bent inwards 2 mm (5/64 in). If the catches are straight or bent outwards, the unit will not be installed securely and may spring out (5-1).*
- *Bend these claws outward for a tight fit, if necessary (5-2).*
- *Make sure that the 4 catches on the protection collar ④ are properly engaged in the slots of the unit (5-3).*

Mounting the unit in a Japanese car (6)

You may not be able to install this unit in some makes of Japanese cars. In such a case, consult your Sony dealer.

Note

To prevent malfunction, install only with the supplied screws ⑤.

How to detach and attach the front panel (7)

Before installing the unit, detach the front panel.

7-A To detach

Before detaching the front panel, be sure to press and hold SOURCE/OFF. Press ⏏ and pull it off towards you.

7-B To attach

Engage part Ⓐ of the front panel with part Ⓑ of the unit, as illustrated, and push the left side into position until it clicks.

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function. For details, see the supplied Operating Instructions.
The unit will shut off completely and automatically in the set time after the unit is turned off, which prevents battery drain.
If you do not set the Auto Off function, press and hold SOURCE/OFF until the display disappears each time you turn the ignition off.

Fuse replacement (8)

When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

Français

Précautions

- Choisissez soigneusement l'emplacement d'installation pour que l'appareil ne gêne pas le conducteur pendant la conduite.
- Évitez d'installer l'appareil dans un endroit exposé à la poussière, à la saleté, à des vibrations excessives ou à des températures élevées comme en plein soleil ou à proximité de conduits de chauffage.
- Pour garantir un montage sûr, n'utilisez que le matériel fourni.

Réglage de l'angle de montage

Réglez l'inclinaison à un angle inférieur à 45°.

Retrait du tour de protection et du support (4)

Avant d'installer l'appareil, retirez le tour de protection ④ et le support ① de l'appareil.

1. **Retirez le tour de protection ④.**
   Pincez les deux bords du tour de protection ④, puis sortez-le.
2. **Retirez le support ①.**
   ❶ Insérez les clés de déblocage ③ en même temps entre l'appareil et le support ① jusqu'au déclic.
   ❷ Tirez le support ① vers le bas, puis tirez sur l'appareil vers le haut pour les séparer.

Exemple de montage (5)

Installation dans le tableau de bord

Remarques

- *Avant l'installation, assurez-vous que les loquets des deux côtés du support ① sont bien pliés de 2 mm (5/64 po) vers l'intérieur. Si les loquets sont droits ou pliés vers l'extérieur, l'appareil ne peut pas être fixé solidement et peut se détacher (5-1).*
- *Si nécessaire, pliez ces griffes vers l'extérieur pour assurer une prise correcte (5-2).*
- *Assurez-vous que les 4 loquets situés sur le tour de protection ④ sont correctement engagés dans les fentes de l'appareil (5-3).*

Montage de l'appareil dans une voiture japonaise (6)

Cet appareil ne peut pas être installé dans certaines voitures japonaises. Consultez, dans ce cas, votre détaillant Sony.

Remarque

Pour éviter tout problème de fonctionnement, utilisez uniquement les vis ⑤ fournies pour le montage.

Retrait et fixation de la façade (7)

Avant d'installer l'appareil, retirez la façade.

7-A Pour la retirer

Avant de retirer la façade, n'oubliez pas de maintenir enfoncée la touche SOURCE/OFF. Appuyez ensuite sur ⏏, puis faites glisser la façade vers vous.

7-B Pour la fixer

Engagez la partie Ⓐ de la façade dans la partie Ⓑ de l'appareil, comme illustré, puis appuyez sur le côté gauche jusqu'au déclic indiquant que la façade est en position.

Avertissement si le contact de votre véhicule ne comporte pas de position ACC

Veillez à régler la fonction Auto Off. Pour obtenir davantage d'informations, reportez-vous au mode d'emploi fourni.
L'appareil s'éteint complètement et automatiquement après le laps de temps choisi une fois l'appareil arrêté afin d'éviter que la batterie ne se décharge.
Si vous ne réglez pas la fonction Auto Off, appuyez sur la touche SOURCE/OFF et maintenez-la enfoncée jusqu'à ce que l'affichage disparaisse à chaque fois que vous coupez le contact.

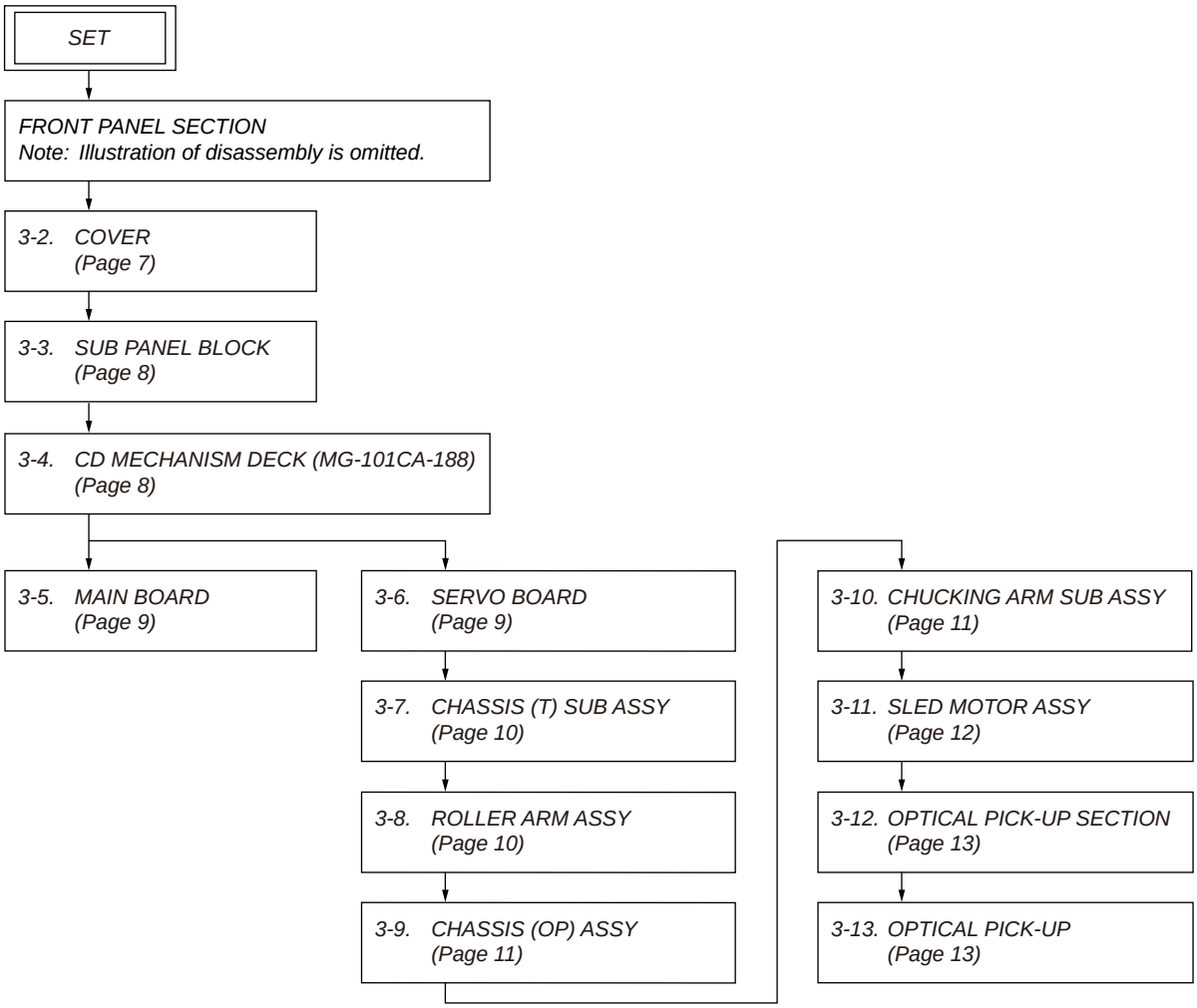
Remplacement du fusible (8)

Lorsque vous remplacez le fusible, veillez à utiliser un fusible dont l'intensité, en ampères, correspond à la valeur indiquée sur le fusible usagé. Si le fusible grille, vérifiez le branchement de l'alimentation et remplacez le fusible. Si le nouveau fusible grille également, il est possible que l'appareil soit défectueux. Dans ce cas, consultez votre détaillant Sony le plus proche.

SECTION 3
DISASSEMBLY

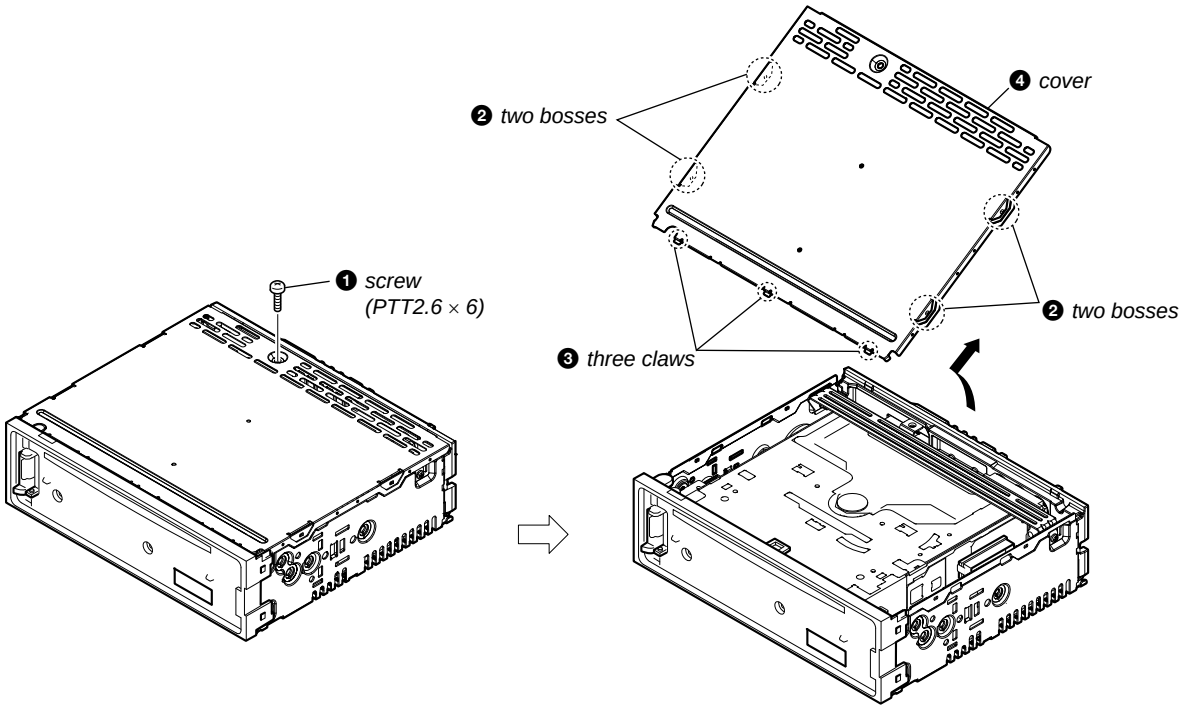
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

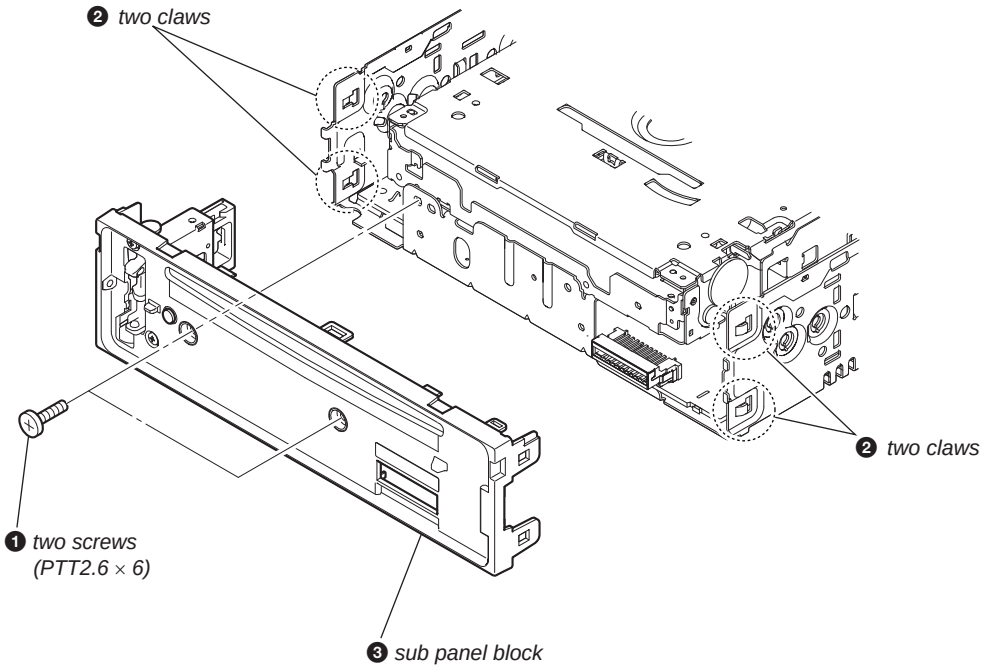


Note: Follow the disassembly procedure in the numerical order given.

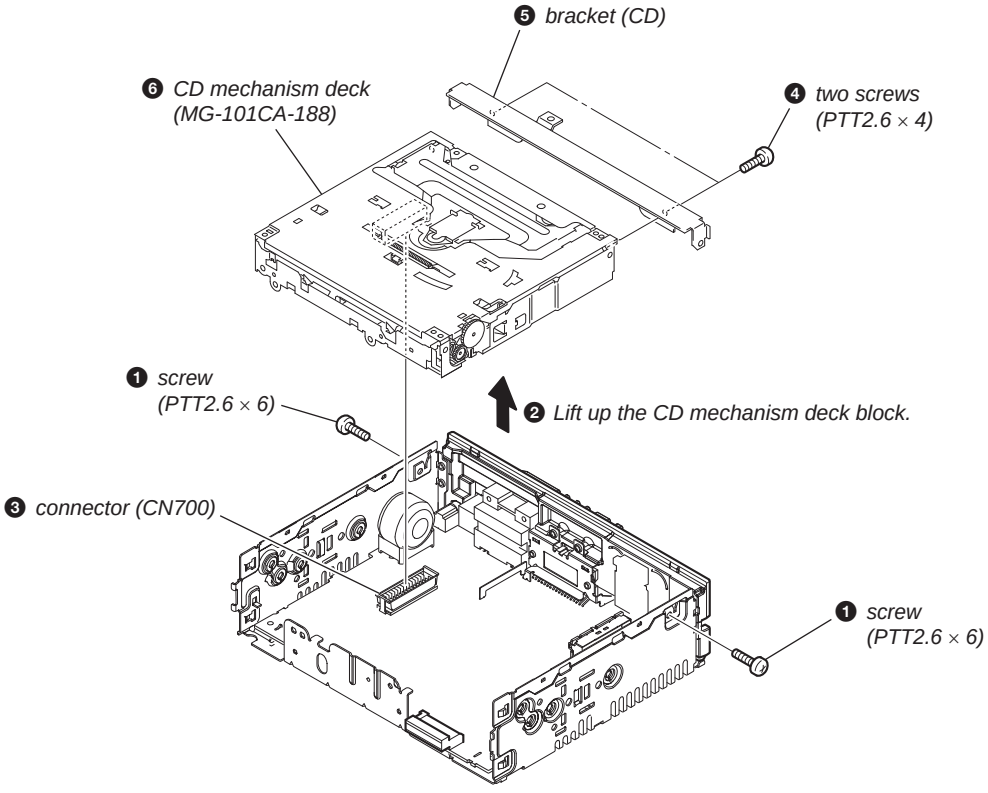
3-2. COVER



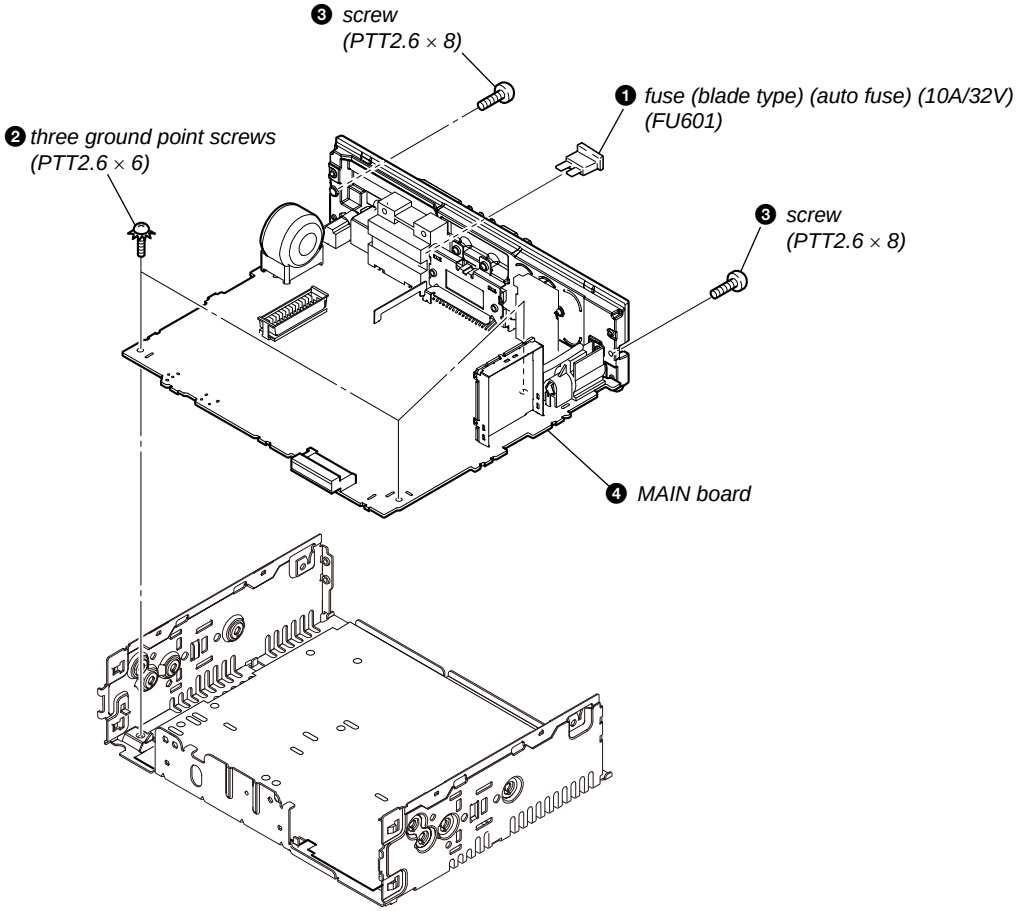
3-3. SUB PANEL BLOCK



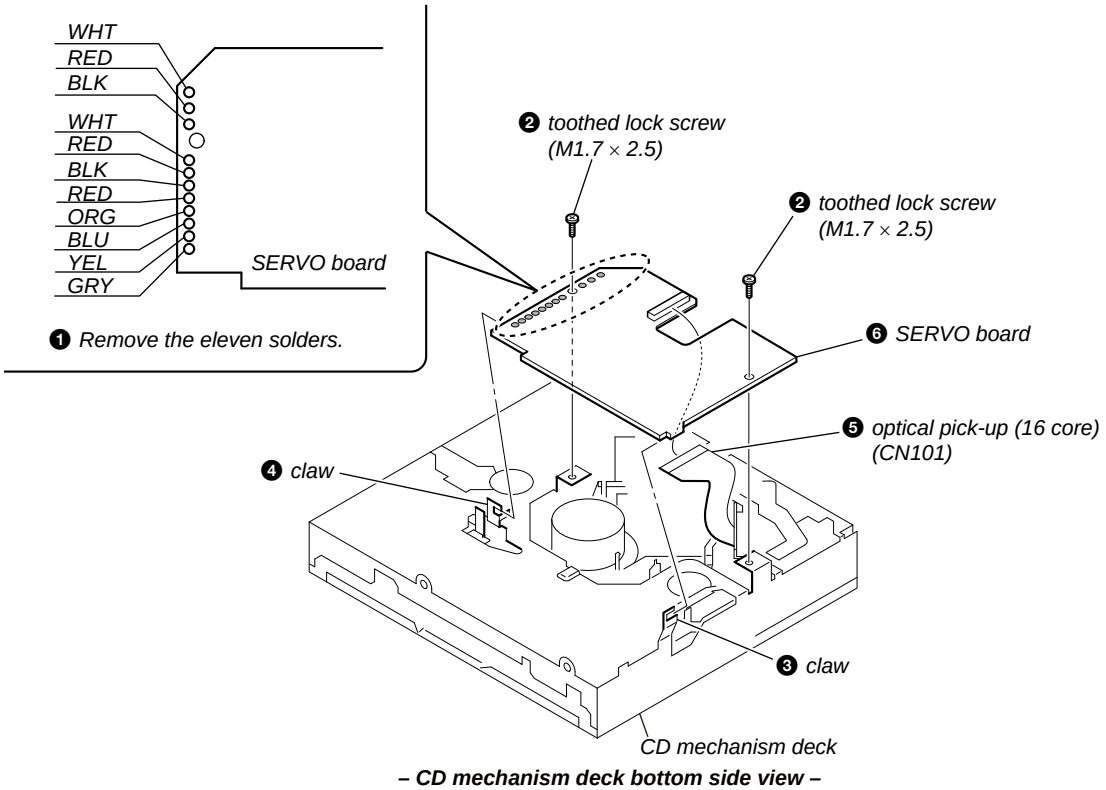
3-4. CD MECHANISM DECK (MG-101CA-188)



3-5. MAIN BOARD

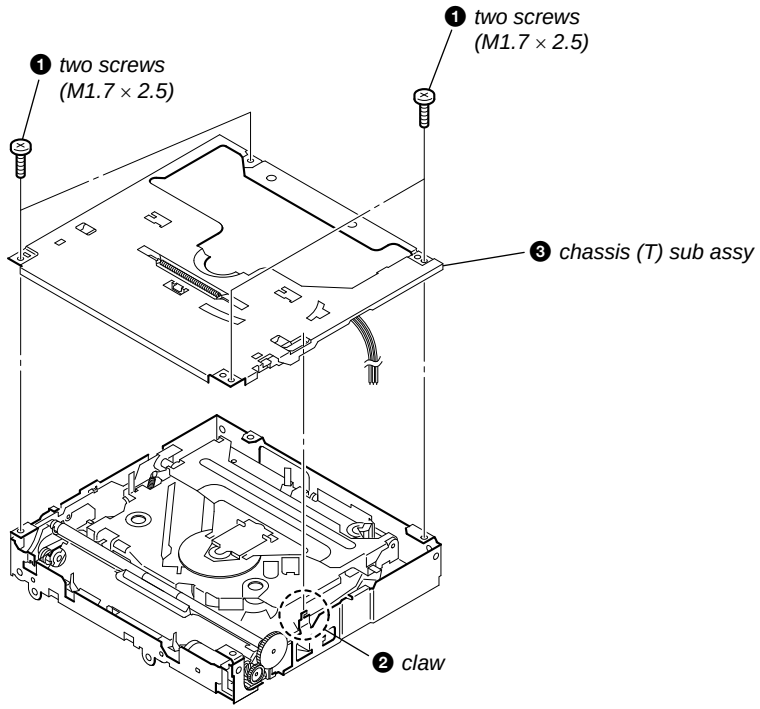


3-6. SERVO BOARD

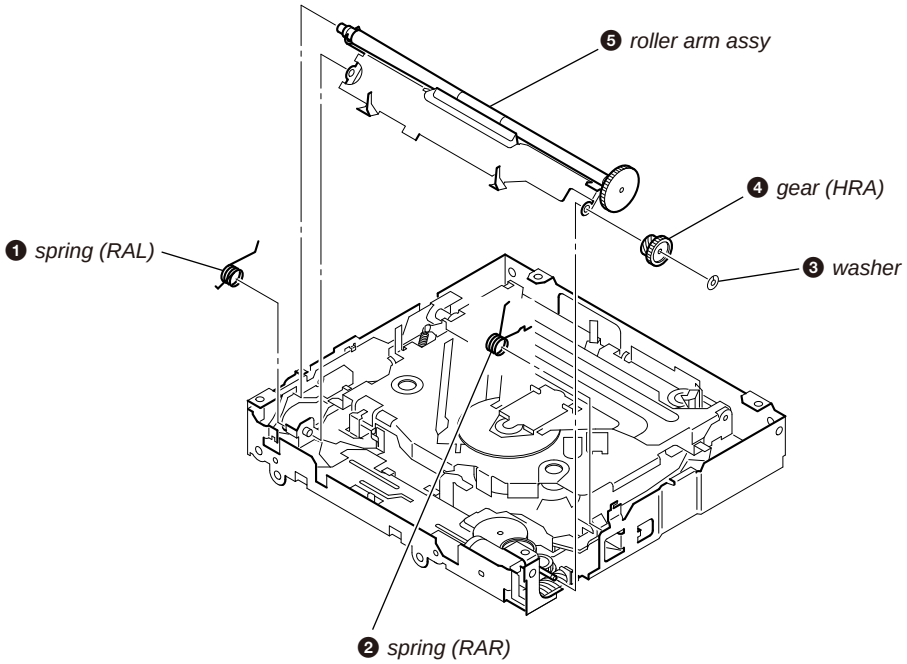


– CD mechanism deck bottom side view –

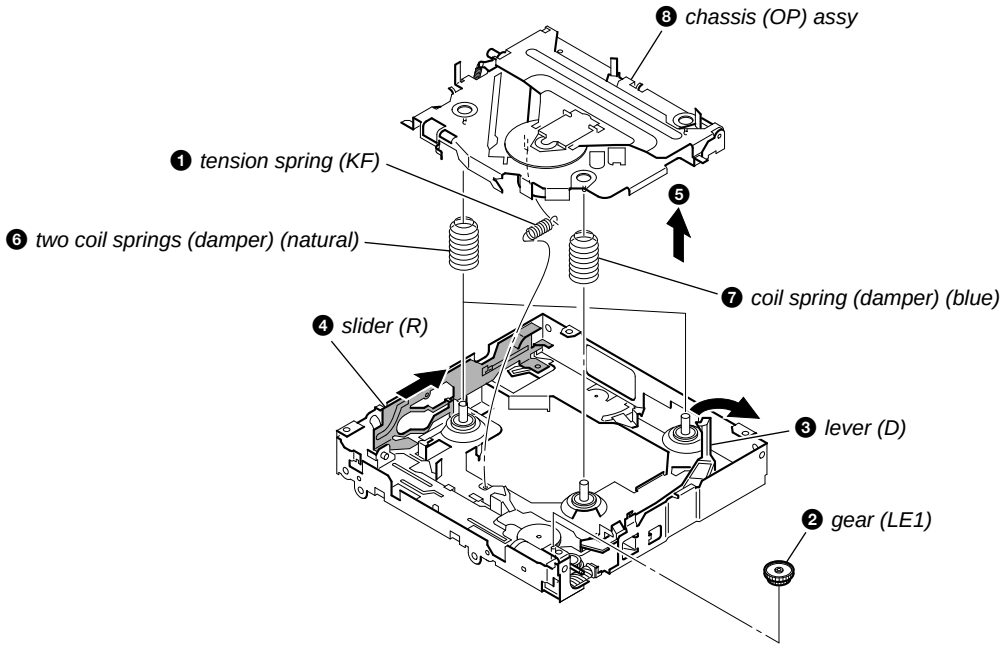
3-7. CHASSIS (T) SUB ASSY



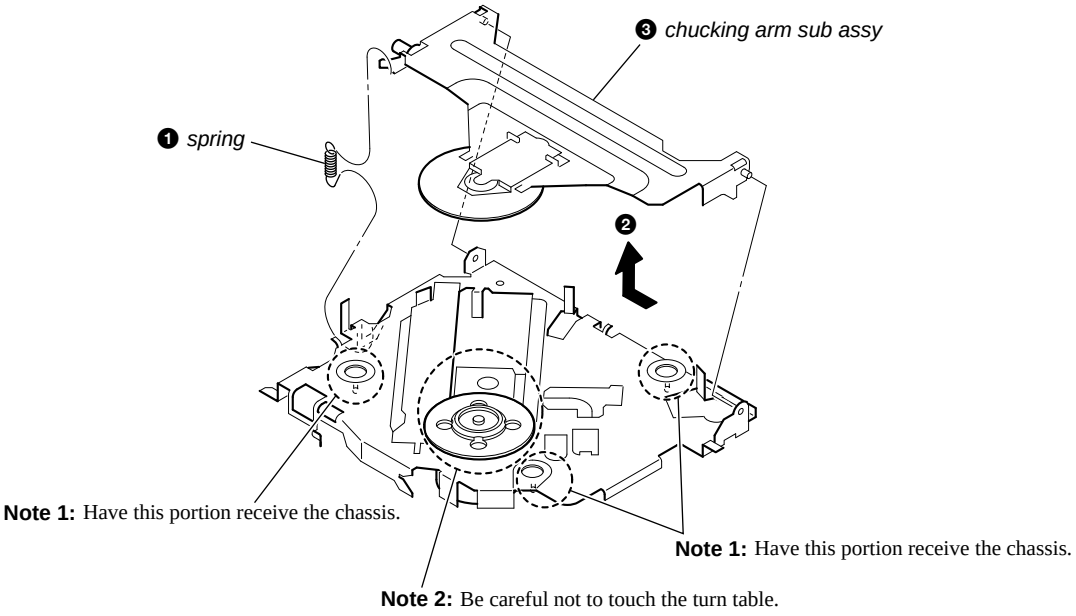
3-8. ROLLER ARM ASSY



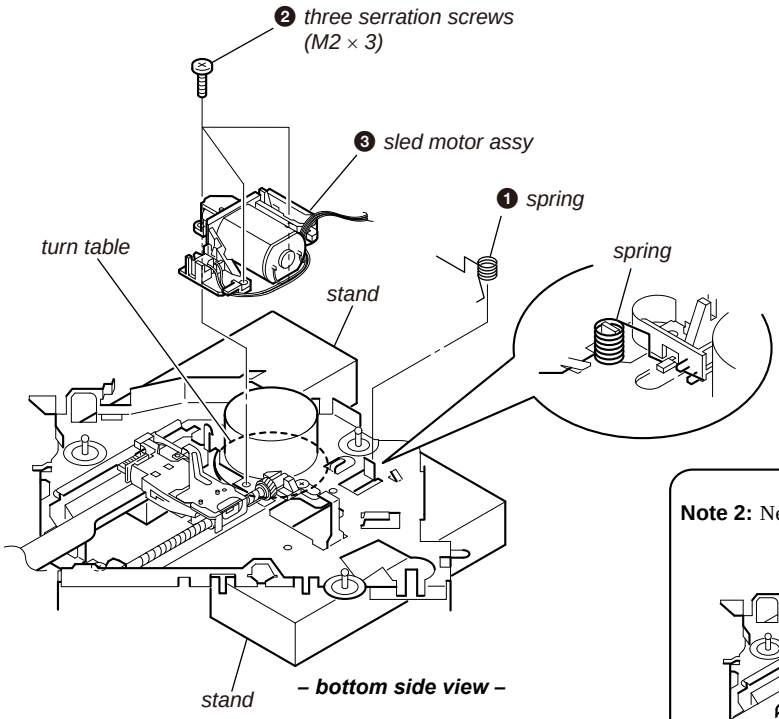
3-9. CHASSIS (OP) ASSY



3-10. CHUCKING ARM SUB ASSY

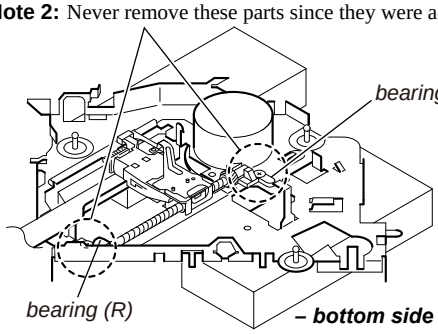


3-11. SLED MOTOR ASSY

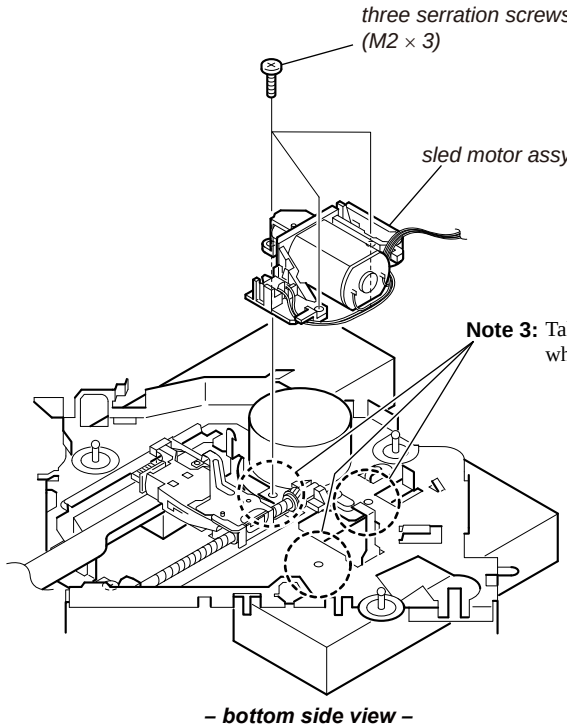


Note 1: Place the stand with care not to touch the turn table.

Note 2: Never remove these parts since they were adjusted.

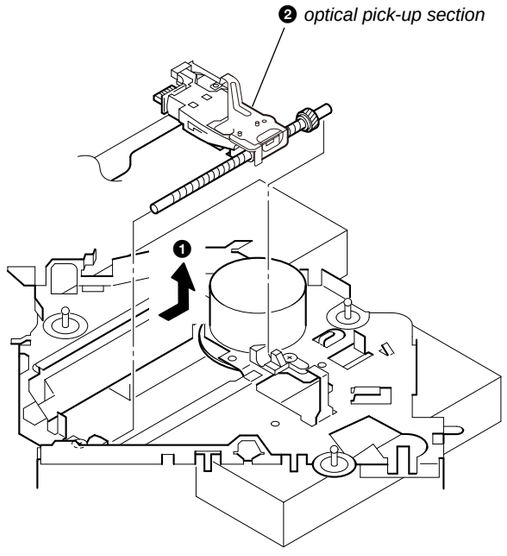


• Note for Assembly

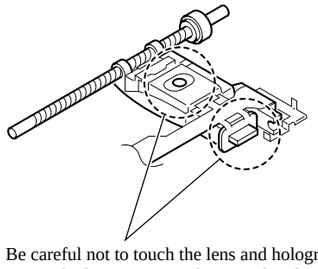


Note 3: Take care to prevent the chassis from being bent when tightening the three machine screws.

3-12. OPTICAL PICK-UP SECTION

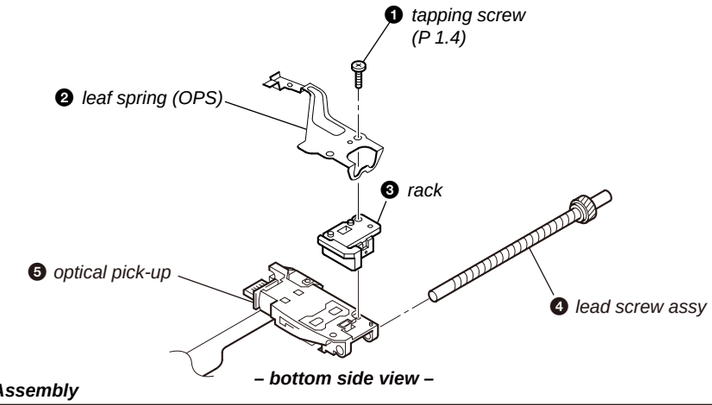


– bottom side view –



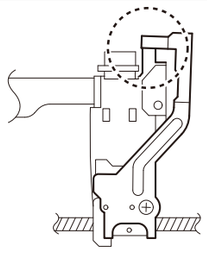
Note: Be careful not to touch the lens and hologram terminal when removing the optical pick-up section.

3-13. OPTICAL PICK-UP

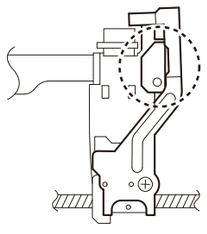


– bottom side view –

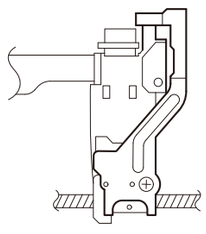
• Notes for Assembly



Prevent the end of the leaf spring (OPS) from being in contact with the OP slide base.



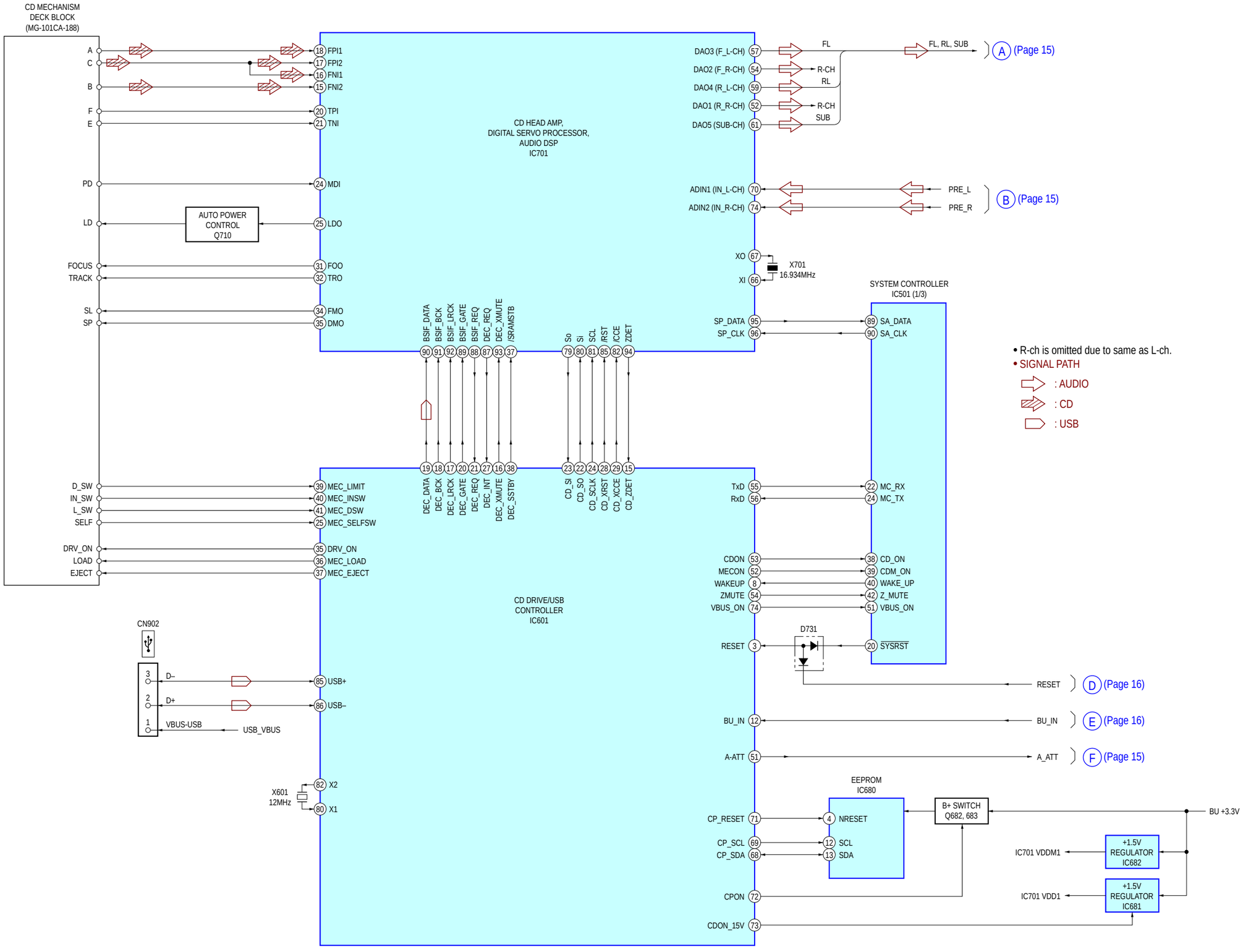
Prevent the end of the leaf spring (OPS) from being in contact with the OP slide base.



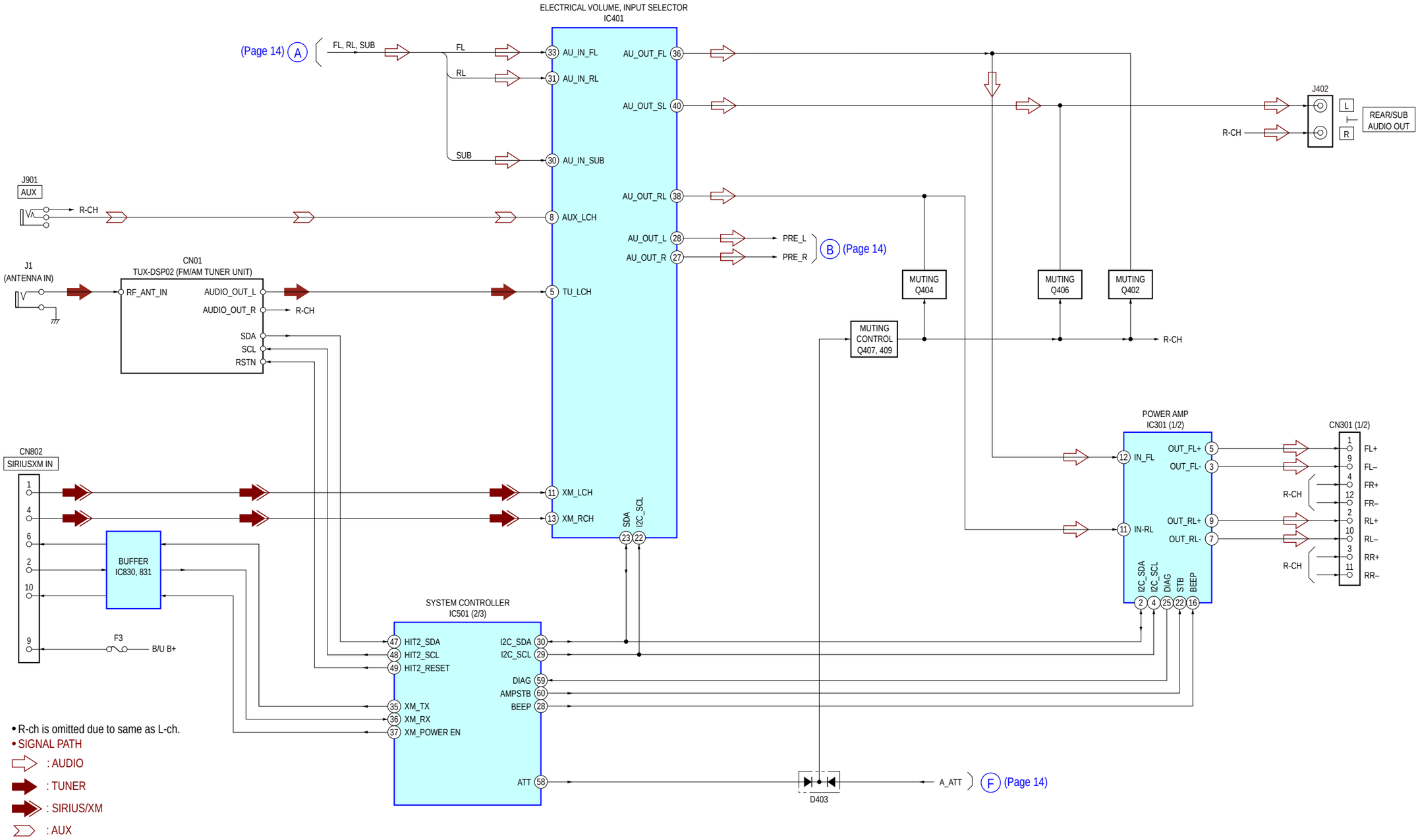
There is space at the end of the leaf spring (OPS) to avoid contact with the slide.

SECTION 4
DIAGRAMS

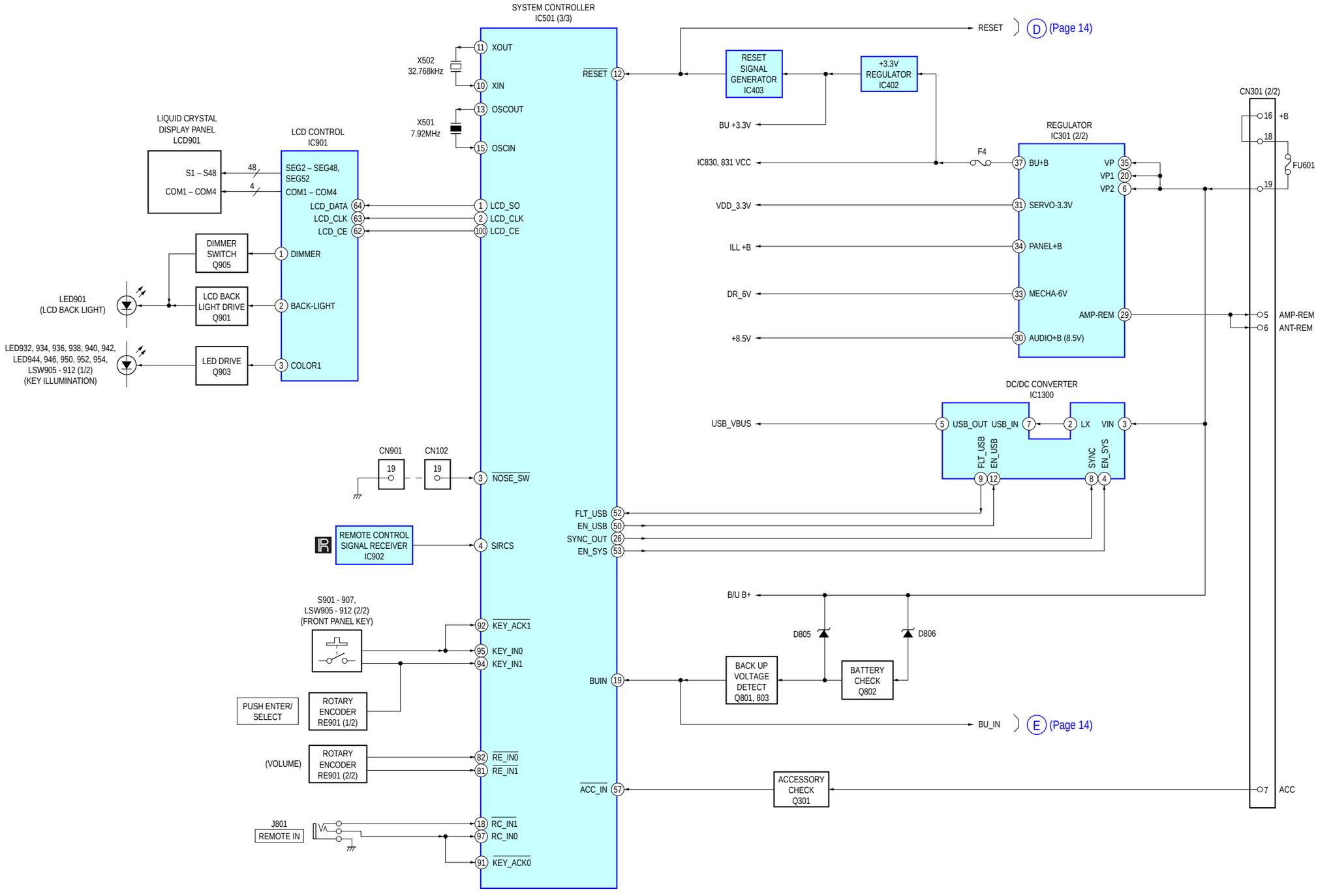
4-1. BLOCK DIAGRAM - AUDIO INPUT Section -



4-2. BLOCK DIAGRAM - AUDIO OUTPUT Section -



4-3. BLOCK DIAGRAM - PANEL, POWER SUPPLY Section -



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

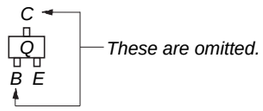
For Printed Wiring Boards.

Note:

- ○——: Parts extracted from the component side.
- ——: Parts extracted from the conductor side.
- △ : Internal component.
- ▭ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

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

- Indication of transistor.



For Schematic Diagrams.

Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : Internal component.
- ▭ : Panel designation.

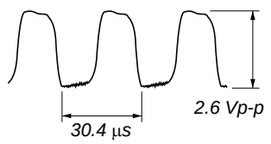
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▬▬: B+ Line.
- Power voltages is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: TUNER (FM)
  ( ): CD PLAY
  ∗ : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 MΩ).
  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.
  ⇨ : AUDIO
  ➡ : TUNER
  ⇉ : CD
  ⇨ : USB
  ⇉ : SIRIUS/XM
  ⇨ : AUX

- **Waveforms**

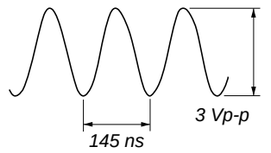
– MAIN Board –

① IC501 ⑪ (XOUT)



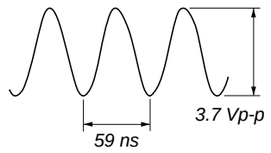
1 V/DIV, 20 µs/DIV

② IC501 ⑬ (OSCOUT)



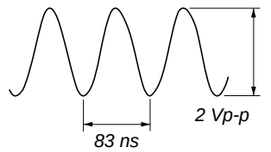
1 V/DIV, 50 ns/DIV

③ IC701 ⑰ (XO)



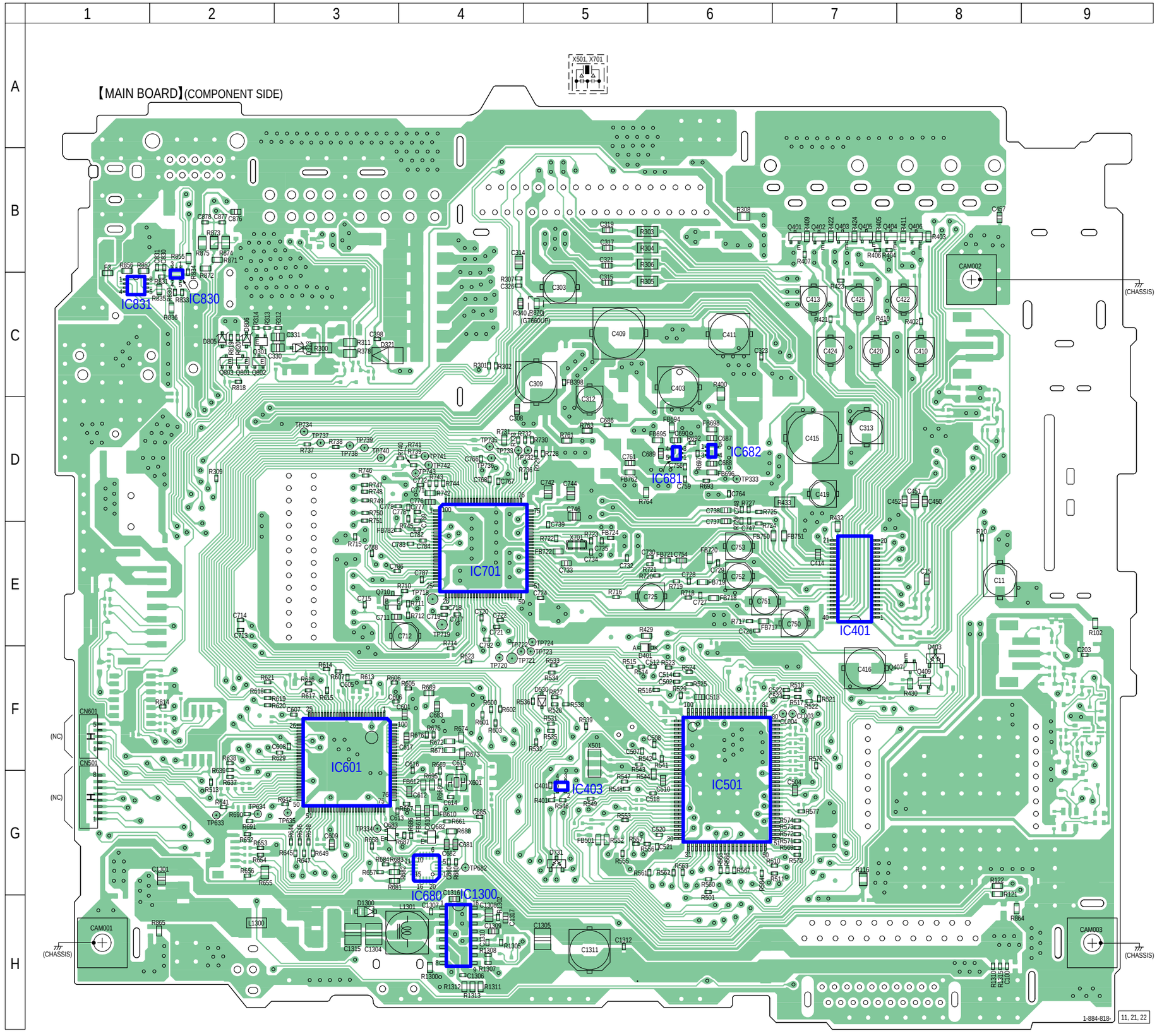
1 V/DIV, 20 ns/DIV

④ IC601 ⑫ (X2)

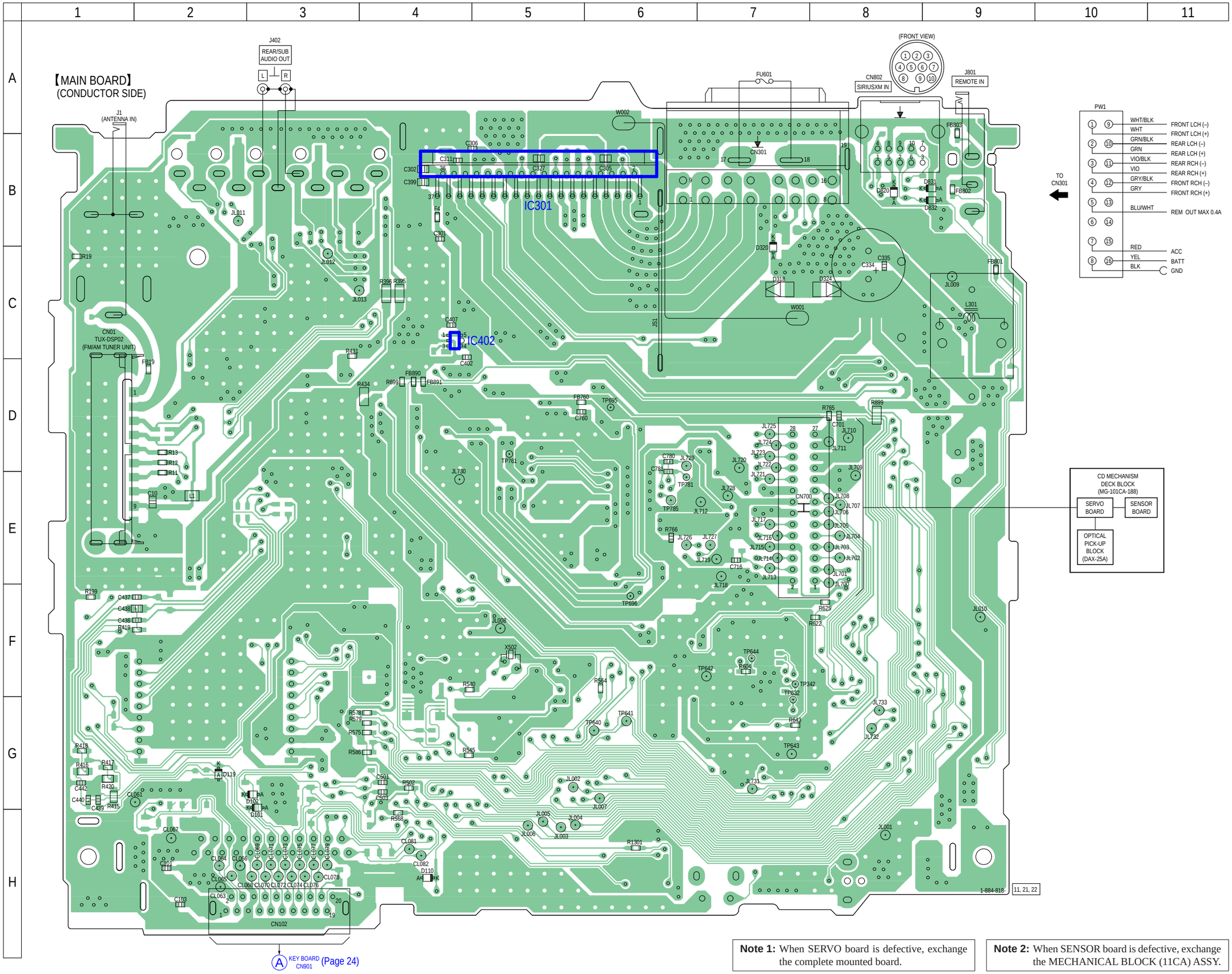


1 V/DIV, 50 ns/DIV

4-4. PRINTED WIRING BOARD - MAIN Section (1/2) - • : Uses unleaded solder.



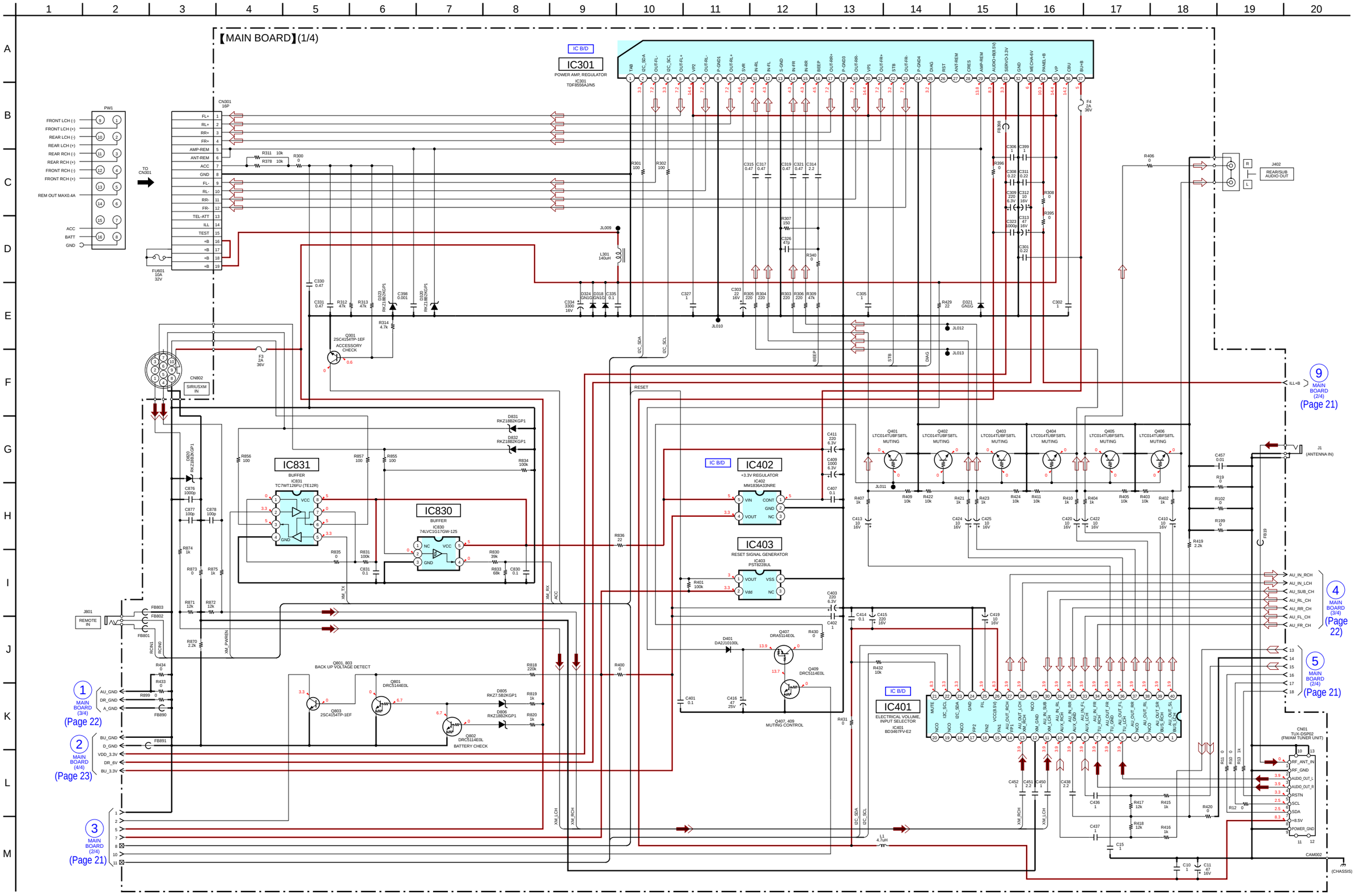
4-5. PRINTED WIRING BOARDS - MAIN Section (2/2) - • : Uses unleaded solder.



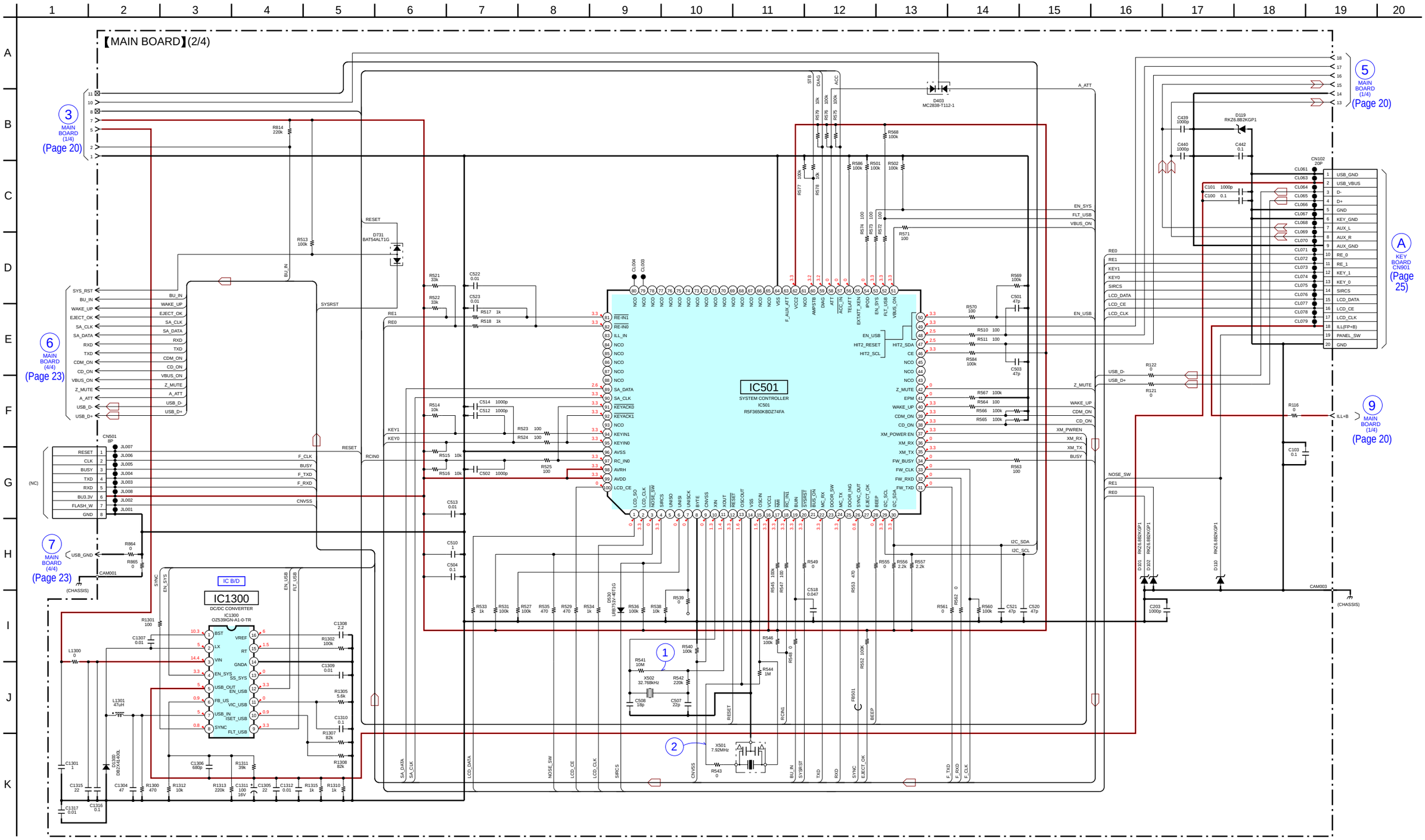
Note 1: When SERVO board is defective, exchange the complete mounted board.

Note 2: When SENSOR board is defective, exchange the MECHANICAL BLOCK (11CA) ASSY.

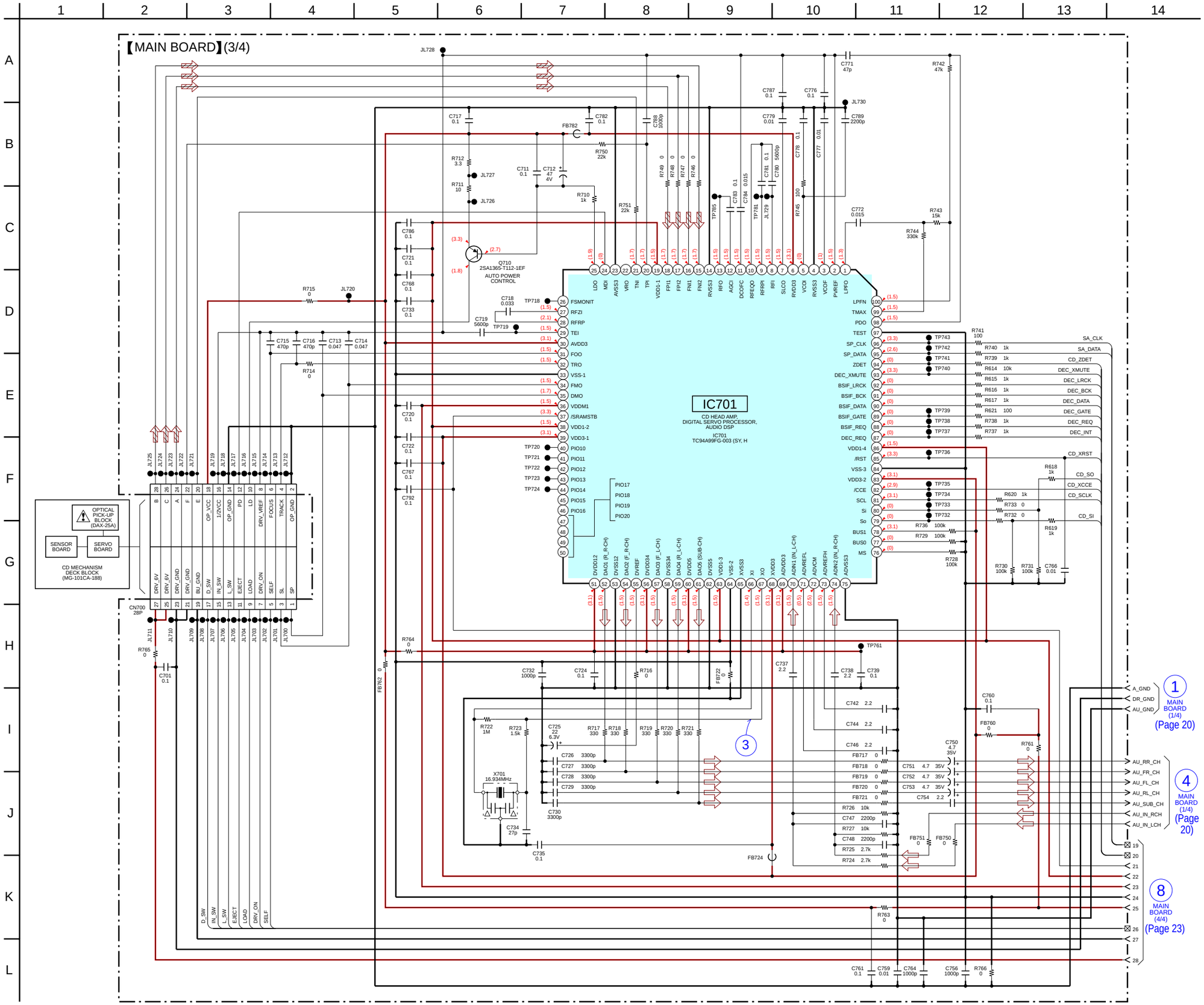
4-6. SCHEMATIC DIAGRAM - MAIN Section (1/4) - • See page 26 for IC Block Diagrams.



4-7. SCHEMATIC DIAGRAM - MAIN Section (2/4) - • See page 17 for Waveforms. • See page 26 for IC Block Diagrams. • See page 28 for IC Pin Function Description.



4-8. SCHEMATIC DIAGRAM - MAIN Section (3/4) - • See page 17 for Waveforms. • See page 28 for IC Pin Function Description.



Note 1: When SERVO board is defective, exchange the complete mounted board.

Note 2: When SENSOR board is defective, exchange the MECHANICAL BLOCK (11CA) ASSY.

4-9. SCHEMATIC DIAGRAM - MAIN Section (4/4) -

• See page 17 for Waveforms. • See page 26 for IC Block Diagrams. • See page 28 for IC Pin Function Description.

【MAIN BOARD】(4/4)

IC601
CD DRIVE/USB CONTROLLER
IC601
M321EFFG-7KN3 (SY

IC680
EEPROM
IC680
MFI34152162

IC682
+1.5V REGULATOR
IC682
NJM2878F3-15 (TE2)

IC681
+1.5V REGULATOR
IC681
NJM2878F3-15 (TE2)

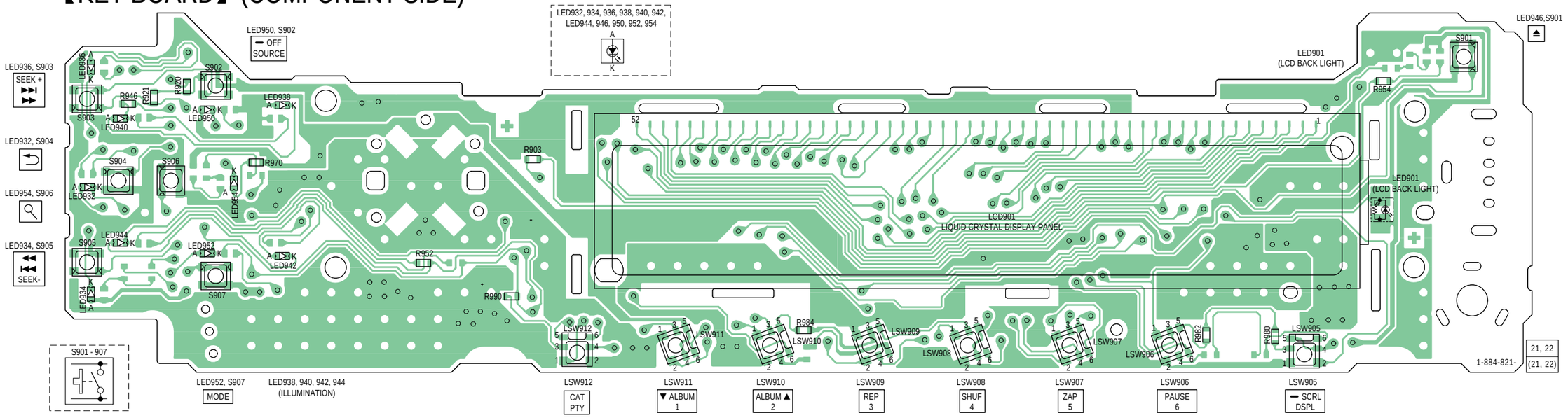
IC B/D

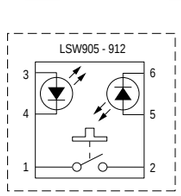
CN601
5P

8 MAIN BOARD (3/4) (Page 22)
7 MAIN BOARD (2/4) (Page 21)
2 MAIN BOARD (1/4) (Page 20)
6 MAIN BOARD (2/4) (Page 21)

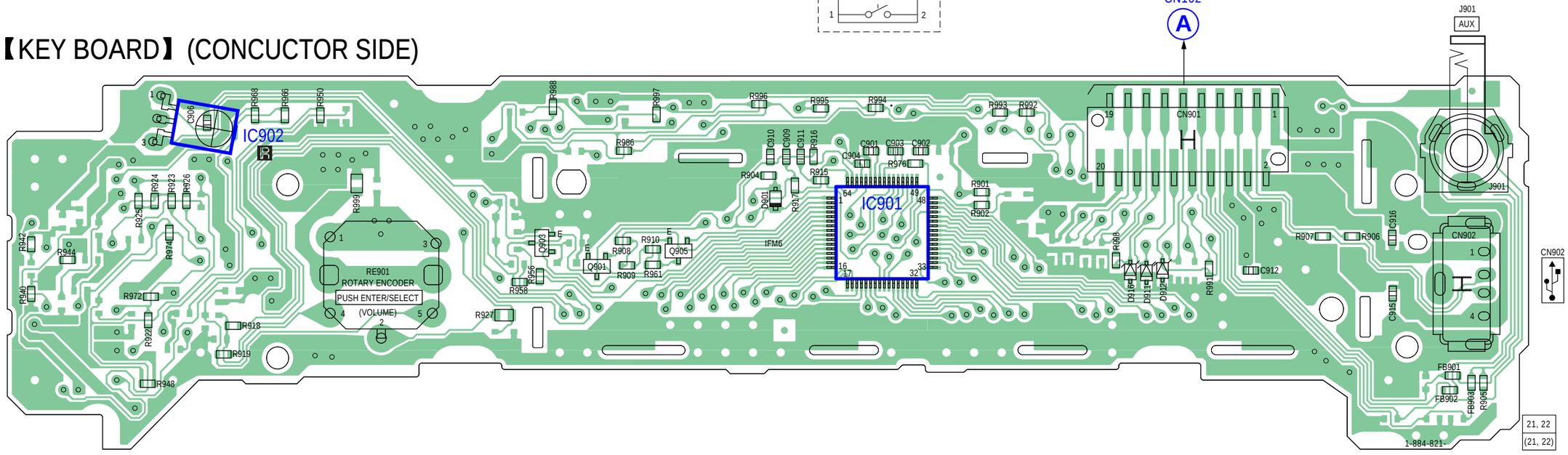
4-10. PRINTED WIRING BOARD - KEY Board - • : Uses unleaded solder.

【KEY BOARD】(COMPONENT SIDE)



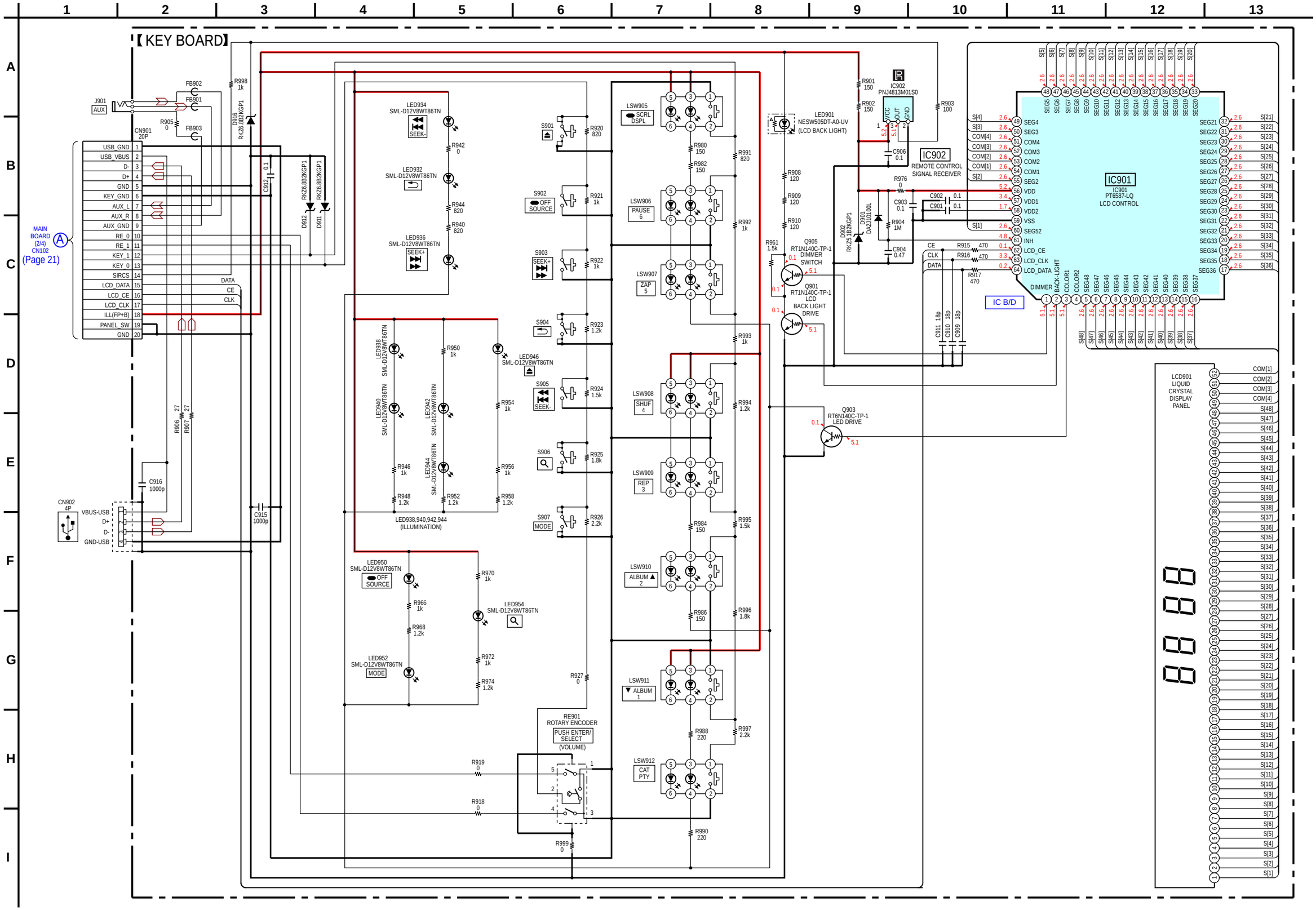


【KEY BOARD】(CONCUCTOR SIDE)



Note: Refer to the servicing notes “NOTE FOR REPLACEMENT OF THE USB CONNECTOR (CN902) AND THE AUX JACK (J901)” (See page 4), if replacing the Ref. No. CN902 and the Ref. No. J901.

4-11. SCHEMATIC DIAGRAM - KEY Board - • See page 26 for IC Block Diagrams.

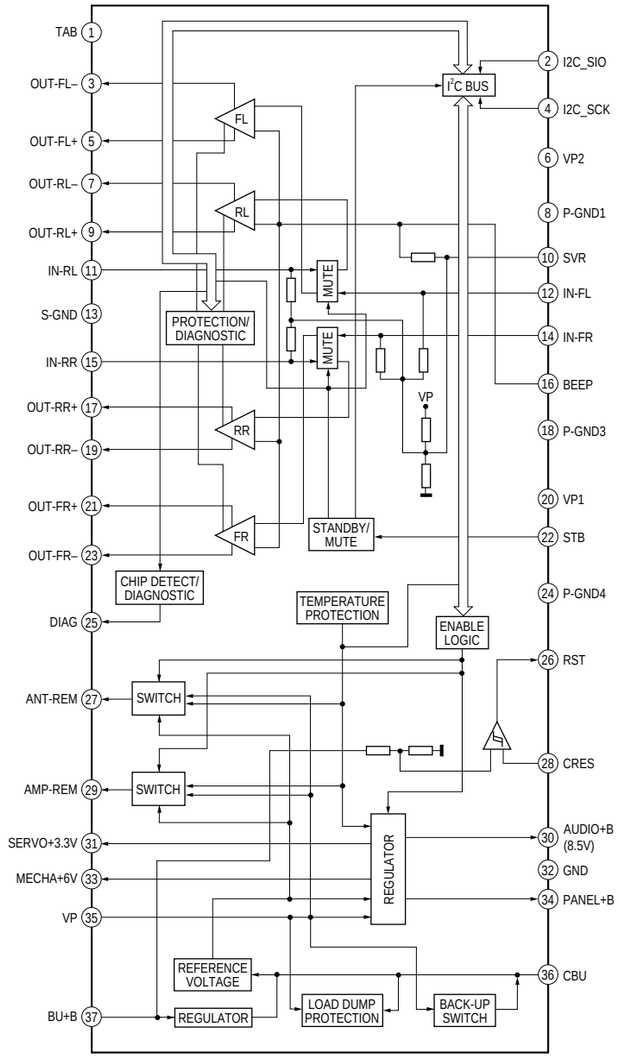


Note: Refer to the servicing notes "NOTE FOR REPLACEMENT OF THE USB CONNECTOR (CN902) AND THE AUX JACK (J901)" (See page 4), if replacing the Ref. No. CN902 and the Ref. No. J901.

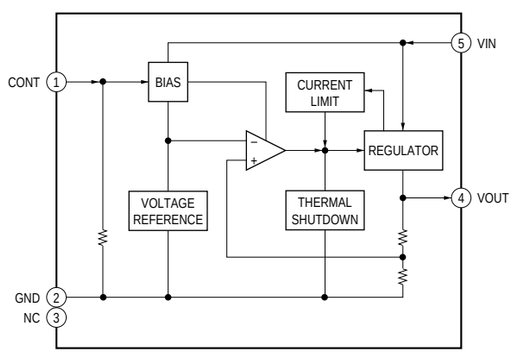
- **IC Block Diagrams**

– MAIN Board –

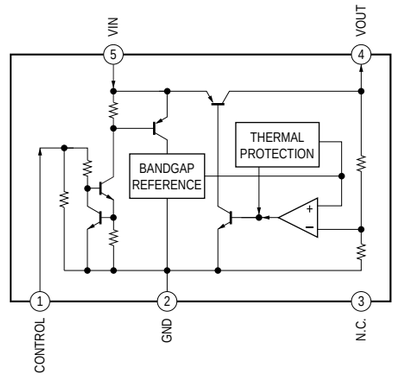
IC301 TDF8556AJ/N5



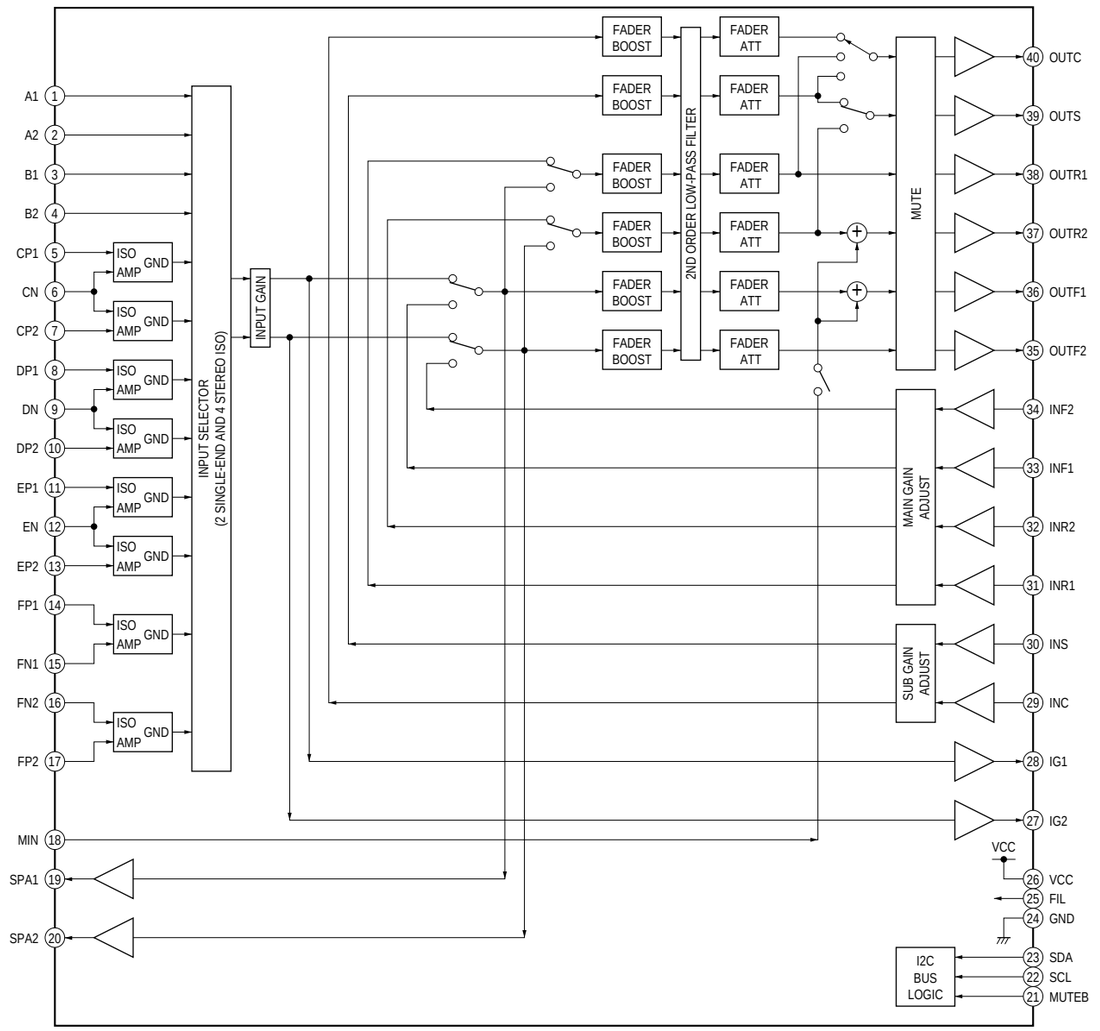
IC402 MM1836A33NRE



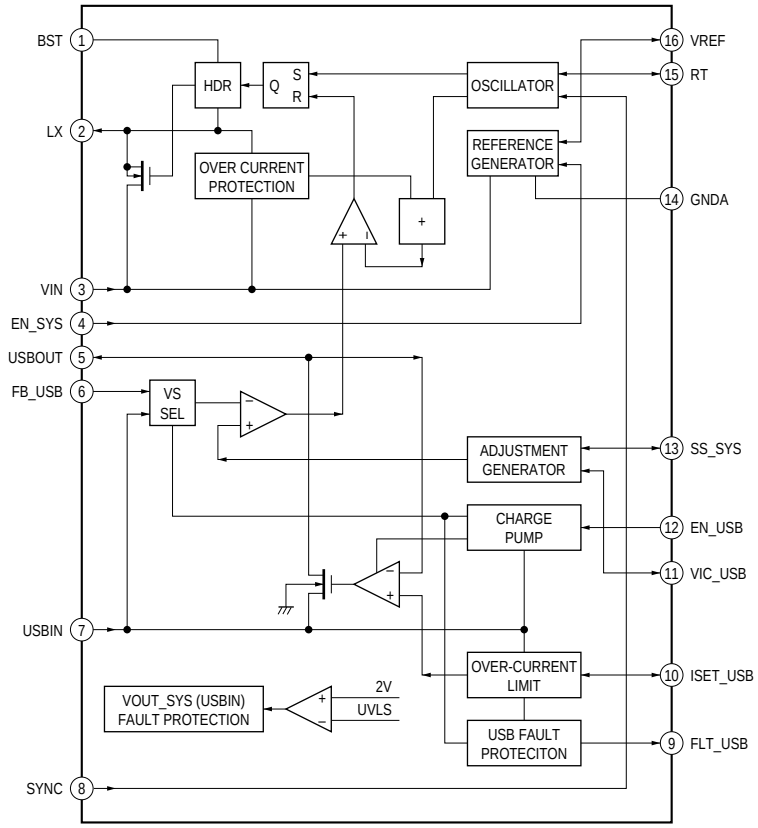
IC681, 682 NJM2878F3-15 (TE2)



IC401 BD3467FV-E2

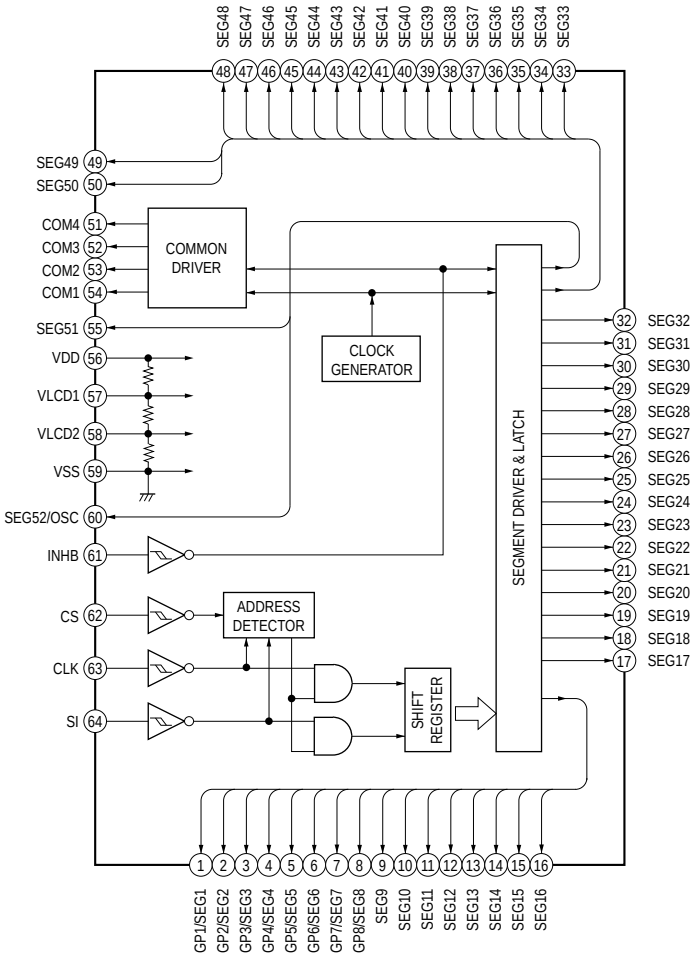


IC1300 OZ539IGN-A1-0-TR



– KEY Board –

IC901 PT6587-LQ



• **IC Pin Function Description**

MAIN BOARD IC501 R5F3650KBDZ74FA (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	LCD_SO	O	Serial data output to the liquid crystal display driver
2	LCD_CLK	O	Serial clock signal output to the liquid crystal display driver
3	NOSE_SW	I	Front panel remove/attach detection signal input terminal "L": Front panel is attached
4	SIRCS	I	Remote control signal input from the remote control signal receiver
5	UNISO	-	Not used
6	UNISI	-	Not used
7	UNISCK	-	Not used
8	BYTE	I	External data bus width select signal input Connect to VSS in this set
9	CNVSS	I	Flash write signal input terminal Normally operation: "L", Flash write: "H"
10	XIN	I	Low speed operation clock signal input terminal (32.768 kHz)
11	XOUT	O	Low speed operation clock signal output terminal (32.768 kHz)
12	RESET	I	System reset signal input from the reset signal generator "L": reset
13	OSCOUT	O	High speed operation clock signal output terminal (7.92 MHz)
14	VSS	-	Ground terminal
15	OSCIN	I	High speed operation clock signal input terminal (7.92 MHz)
16	VCC1	-	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt signal input terminal Fixed at "H" in this set
18	RC_IN1	I	Rotary remote commander shift key input terminal
19	BUIN	I	Back up power supply detection signal input terminal "L" is input at low voltage
20	SYSRST	O	Reset signal output terminal
21	BUS_ON	-	Not used
22	MC_RX	I	Serial data input from the CD drive/USB controller
23	DOOR_SW	I	Front panel remove/attach detection signal input terminal Not used
24	MC_TX	O	Serial data output to the CD drive/USB controller
25	DOOR_ING	O	LED drive signal output terminal Not used
26	SYNC_OUT	O	Synchronize signal output to the DC/DC converter
27	EJECT_OK	O	Eject OK signal output terminal Not used
28	BEEP	O	Beep sound drive signal output to the power amplifier
29	I2C_SCL	O	IIC serial clock signal output terminal
30	I2C_SDA	I/O	IIC two-way serial data bus terminal
31	FW_TXD	O	Flash writer data output terminal
32	FW_RXD	I	Flash writer data input terminal
33	FW_CLK	I	Flash writer clock signal output terminal
34	FW_BUSY	O	Flash writer busy signal output terminal
35	XM_TX	O	Serial data output to the SIRIUSXM IN connector
36	XM_RX	I	Serial data input from the SIRIUSXM IN connector
37	XM_POWER_EN	O	Power supply on/off control signal output to the SIRIUSXM IN connector
38	CD_ON	I	Power supply on/off control signal input terminal for the CD section
39	CDM_ON	I	Power supply on/off control signal input terminal for the CD mechanism section
40	WAKE_UP	O	System wakeup signal output to the CD drive/USB controller
41	EPM	O	EPM signal output terminal Fixed at "L" in this set
42	Z_MUTE	I	Muting on/off control signal input from the CD drive/USB controller
43 to 45	NCO	-	Not used
46	CE	O	Chip enable signal output terminal Fixed at "H" in this set
47	HIT2_SDA	I/O	IIC two-way serial data bus with the FM/AM tuner unit
48	HIT2_SCL	O	IIC serial clock signal output to the FM/AM tuner unit
49	HIT2_RESET	O	Reset signal output to the FM/AM tuner unit
50	EN_USB	O	Power supply on/off control signal output to the DC/DC converter
51	VBUS_ON	I	VBUS on/off control signal input from the CD drive/USB controller "H": VBUS on
52	FLT_USB	I	Over current detection signal input from the DC/DC converter
53	EN_SYS	O	Power supply on/off control signal output to the DC/DC converter
54	IPOD	I	iPod connection mode is difference slope setting terminal
55	EXTATT_XEN	-	Not used
56	TELATT	I	Telephone attenuator detection signal input terminal Not used
57	ACC_IN	I	Accessory power detection signal input terminal "L": accessory power on
58	ATT	O	Muting on/off control signal output terminal "H": muting on

Pin No.	Pin Name	I/O	Description
59	DIAG	I	Diagnostic signal input from the power amplifier
60	AMPSTB	O	Standby control signal output to the power amplifier
61	NCO	-	Not used
62	VCC2	-	Power supply terminal (+3.3V)
63	F_AUX_ATT	O	Muting on/off control signal output terminal Not used
64	VSS	-	Ground terminal
65 to 80	NCO	-	Not used
81, 82	$\overline{\text{RE-IN1}}$, $\overline{\text{RE-IN0}}$	I	Jog dial pulse input from the rotary encoder
83	ILL_IN	I	Illuminate line detect signal input terminal Not used
84 to 88	NCO	-	Not used
89	SA_DATA	I/O	IIC two-way serial data bus with the audio DSP
90	SA_CLK	O	IIC serial clock signal output to the audio DSP
91, 92	$\overline{\text{KEYACK0}}$, $\overline{\text{KEYACK1}}$	I	Acknowledge signal (wake up signal) input terminal
93	NCO	-	Not used
94, 95	KEYIN1, KEYIN0	I	Front panel key input terminal
96	AVSS	-	Ground terminal (for A/D converter)
97	RC_IN0	I	Rotary remote commander shift key input terminal
98	AVRH	I	Reference voltage (+3.3V) input terminal (for A/D converter)
99	AVDD	-	Power supply terminal (+3.3V) (for A/D converter)
100	LCD_CE	O	Chip enable signal output to the liquid crystal display driver

MAIN BOARD IC601 M321FEFG-7KN3 (SY (CD DRIVE/USB CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	AVSS	-	Ground terminal
2	VREFH	I	Reference voltage (+3.3V) input terminal (for A/D converter)
3	RESET	I	Reset signal input from the system controller "L": reset
4	MODE	I	Operation mode setting terminal Fixed at "L" in this unit
5	OPEN_REQ	-	Not used
6	EJECT_OK	I	Eject OK signal input terminal Not used
7	NC	-	Not used
8	WAKEUP	I	System wakeup signal input from the system controller
9 to 11	NC	-	Not used
12	BUI_N	I	Back up power supply detection signal input terminal "L" is input at low voltage
13	DVSS	-	Ground terminal
14	NC	-	Not used
15	CD_ZDET	I	Zero detection signal input from the audio DSP
16	DEC_XMUTE	O	Muting on/off control signal output to the audio DSP "L": muting on
17	DEC_LRCK	O	L/R sampling clock signal output to the audio DSP
18	DEC_BCK	O	Bit clock signal output to the audio DSP
19	DEC_DATA	O	Digital audio data output to the audio DSP
20	DEC_GATE	O	Gate signal output to the audio DSP
21	DEC_REQ	I	Request signal input from the audio DSP
22	CD_SO	O	Serial data output to the audio DSP
23	CD_SI	I	Serial data input from the audio DSP
24	CD_SCLK	I	Serial data transfer clock signal output to the audio DSP
25	MEC_SELFSW	I	Detection signal input from the CD section (self switch)
26	NC	-	Not used
27	DEC_INT	I	Interrupt signal input from the audio DSP
28	CD_XRST	O	Reset request signal output to the audio DSP "L": reset
29	CD_XCCE	O	Chip enable signal output to the audio DSP
30, 31	NC	-	Not used
32	Z/Y_CHECK	-	Not used
33	DVCC3	-	Power supply terminal (+3.3V)
34	DVSS	-	Ground terminal
35	DRV_ON	O	Driver control signal output to the CD section
36	MEC_LOAD	O	Motor (Loading) signal output to the CD section
37	MEC_EJECT	O	Motor (Eject) signal output to the CD section
38	DEC_SSTBY	O	SRAM standby mode control signal output to the audio DSP
39	MEC_LIMIT	I	Detection signal input from the CD section (limit switch)
40	MEC_INSW	I	Detection signal input from the CD section (in switch)
41	MEC_DSW	I	Detection signal input from the CD section (D switch)
42, 43	NC	-	Not used
44	XLINE	-	Not used
45	XINITO	-	Not used
46	FE/SBAD_SEL	-	Not used
47	Z/Y_SEL	I	Z/Y setting terminal
48	NC	-	Not used
49	MECON_CHECK	I	Power supply voltage detection terminal for CD mechanism section
50	CDON_CHECK	I	Power supply voltage detection terminal for CD section
51	A_ATT	O	Muting on/off control signal output terminal
52	MECON	O	Power supply on/off control signal output terminal for the CD mechanism section
53	CDON	O	Power supply on/off control signal output terminal for the CD section
54	ZMUTE	O	Muting on/off control signal input from the system controller
55	TxD	O	Serial data output to the system controller
56	RxD	I	Serial data input from the system controller
57, 58	NC	-	Not used
59	DVCC3	-	Power supply terminal (+3.3V)
60	DVSS	-	Ground terminal
61	SWDIO	-	Not used
62	SWCLK	-	Not used
63	TRACECLK	-	Not used

Pin No.	Pin Name	I/O	Description
64 to 67	TRACEDATA0 to TRACEDATA3	-	Not used
68	CP_SDA	I/O	Serial data input/output for the EEPROM
69	CP_SCL	O	Serial data transfer clock signal output to the EEPROM
70	NC	-	Not used
71	CP_RESET	O	Reset signal output to the EEPROM
72	CPON	O	Power supply on/off control signal output terminal for the EEPROM
73	CDON_15V	O	Power supply on/off control signal output terminal for the CD section
74	VBUS_ON	O	VBUS on/off control signal input from the system controller “H”: VBUS on
75	NC	-	Not used
76	REGVCC3	-	Power supply terminal (+3.3V)
77, 78	XT1, XT2	-	Not used
79	CVCC3	-	Power supply terminal (+3.3V)
80	X1	I	System clock input terminal (12 MHz)
81	CVSS	-	Ground terminal
82	X2	O	System clock output terminal (12 MHz)
83	DVCC3	-	Power supply terminal (+3.3V)
84	DVSS	-	Ground terminal
85, 86	USB+, USB–	I/O	Digital audio data bus terminal
87	NMI	-	Not used
88, 89	TEST	-	Not used
90, 91	NC	-	Not used
92	AVCC3	-	Power supply terminal (+3.3V)
93 to 100	NC	-	Not used

MAIN BOARD IC701 TC94A99FG-003 (SY, H (CD HEAD AMP, DIGITAL SERVO PROCESSOR, AUDIO DSP)

Pin No.	Pin Name	I/O	Description
1	LPFO	O	Signal output from the operation amplifier for PLL loop filter
2	PVREF	I	Reference voltage (+1.65V) input terminal
3	VCOF	O	Terminal for VCO filter
4	RVSS3	-	Ground terminal
5	VCOI	I	DSP VCO control voltage input terminal
6	RVDD3	-	Power supply terminal (+3.1V)
7	SLCO	O	EFM slice level output terminal
8	RFI	I	RF signal input terminal
9	RFRPI	I	RF ripple signal input terminal
10	RFEQO	O	EFM slice level output terminal
11	DCOFC	O	Not used
12	AGCI	I	RF signal amplitude adjustment amplification input terminal
13	RFO	O	RF signal generation amplification output terminal Not used
14	RVSS3	-	Ground terminal
15	FNI2	I	Main beam input terminal (Connect with pin diode B)
16	FNI1	I	Main beam input terminal (Connect with pin diode C)
17	FPI2	I	Main beam input terminal (Connect with pin diode C)
18	FPI1	I	Main beam input terminal (Connect with pin diode A)
19	VDD1-1	-	Power supply terminal (+1.5V)
20	TPI	I	Sub beam amplification input terminal (Connect with pin diode F)
21	TNI	I	Sub beam amplification input terminal (Connect with pin diode E)
22	VRO	O	Reference voltage (+1.65V) output terminal Not used
23	AVSS3	-	Ground terminal
24	MDI	I	Monitor photo diode amplification input terminal
25	LDO	O	Laser diode amplification output terminal
26	FSMONIT	-	Not used
27	RFZI	I	RF ripple zero crossing signal input terminal
28	RFRP	O	RF ripple signal output terminal
29	TEI	I	Tracking error signal input terminal
30	AVDD3	-	Power supply terminal (+3.1V)
31	FOO	O	Focus servo equalizer signal output terminal
32	TRO	O	Tracking servo equalizer signal output terminal
33	VSS-1	-	Ground terminal
34	FMO	O	Feeding servo equalizer signal output terminal
35	DMO	O	Disc servo equalizer signal output terminal
36	VDDM1	-	Power supply terminal (+1.5V)
37	/SRAMSTB	I	Strobe signal input from the CD drive/USB controller “L”: standby mode
38	VDD1-2	-	Power supply terminal (+1.5V)
39	VDD3-1	-	Power supply terminal (+3.1V)
40	PIO10 to PIO20	-	Not used
51	DVDD12	-	Power supply terminal (+3.1V)
52	DAO1 (R_R-CH)	O	R_R channel data output terminal
53	DVSS12	-	Ground terminal
54	DAO2 (F_R-CH)	O	F_R channel data output terminal
55	DVREF	-	Reference voltage input terminal
56	DVDD34	-	Power supply terminal (+3.1V)
57	DAO3 (F_L-CH)	O	F_L channel data output terminal
58	DVSS34	-	Ground terminal
59	DAO4 (R_L-CH)	O	R_L channel data output terminal
60	DVDD5	-	Power supply terminal (+3.1V)
61	DAO5 (SUB-CH)	O	SUB channel data output terminal
62	DVSS5	-	Ground terminal
63	VDD1-3	-	Power supply terminal (+1.5V)
64	VSS-2	-	Ground terminal
65	XVSS3	-	Ground terminal
66	XI	I	System clock input terminal (16.934 MHz)
67	XO	O	System clock output terminal (16.934 MHz)
68	XVDD3	-	Power supply terminal (+3.1V)

Pin No.	Pin Name	I/O	Description
69	ADVDD3	-	Power supply terminal (+3.1V)
70	ADIN1 (IN_L-CH)	I	Audio signal input terminal (L channel)
71	ADVREFL	O	Reference voltage output terminal
72	ADVCM	O	Reference voltage output terminal
73	ADVREFH	O	Reference voltage output terminal
74	ADIN2 (IN_R-CH)	I	Audio signal input terminal (R channel)
75	ADVSS3	-	Ground terminal
76	MS	I	I/F mode selection signal input terminal Fixed at “L” in this unit
77, 78	BUS0, BUS1	I/O	Bus data input/output terminal Not used
79	So	O	Serial data output to the CD drive/USB controller
80	Si	I	Serial data input from the CD drive/USB controller
81	SCL	I	Bus clock signal input from the CD drive/USB controller
82	/CCE	I	Chip enable signal input from the CD drive/USB controller
83	VDD3-2	-	Power supply terminal (+3.1V)
84	VSS-3	-	Ground terminal
85	/RST	I	Reset signal input from the system controller
86	VDD1-4	-	Power supply terminal (+1.5V)
87	DEC_REQ	O	Request signal output to the CD drive/USB controller
88	BSIF-REQ	O	Request signal output to the CD drive/USB controller
89	BSIF-GATE	I	Gate signal input from the CD drive/USB controller
90	BSIF_DATA	I	Audio data input from the CD drive/USB controller
91	BSIF_BCK	I	Bit clock signal input from the CD drive/USB controller
92	BSIF_LRCK	I	L/R sampling clock signal (44.1 kHz) input terminal for audio data input
93	BSIF_XMUTE	I	Muting on/off control signal input from the CD drive/USB controller
94	ZDET	O	Zero detection signal output terminal
95	SP_DATA	O	Spectrum analyzer data output to the system controller
96	SP_CLK	I	Spectrum analyzer data transfer clock signal input from the system controller
97	TEST	I	Setting terminal for test mode Normally fixed at “L”
98	PDO	O	Phase error margin signal between EFM signal and PLCK signal output terminal
99	TMAX	O	TMAX detection result output terminal
100	LPFN	I	Inverted signal input from the operation amplifier for PLL loop filter

SECTION 5
EXPLODED VIEWS

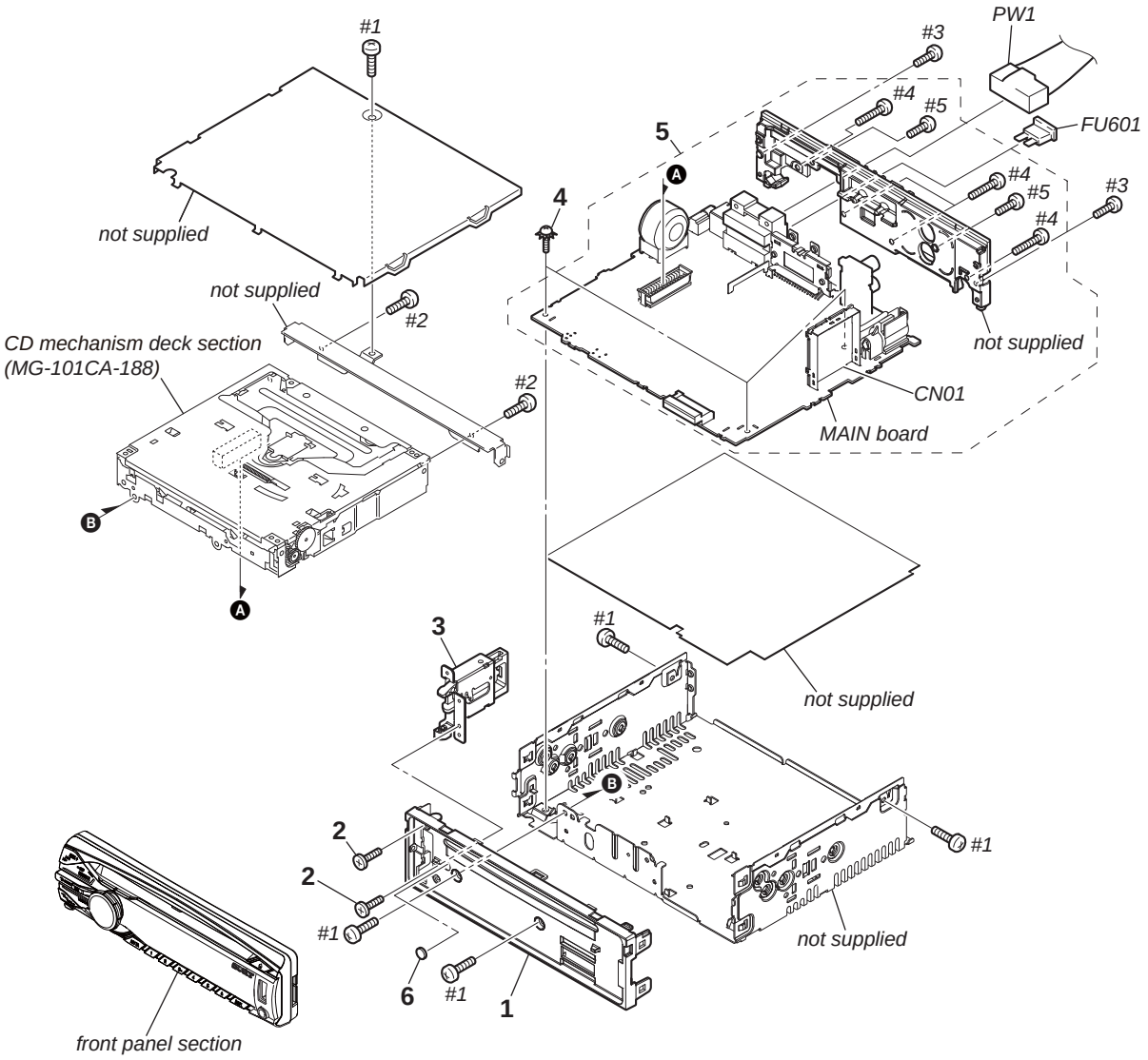
Note:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color

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

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

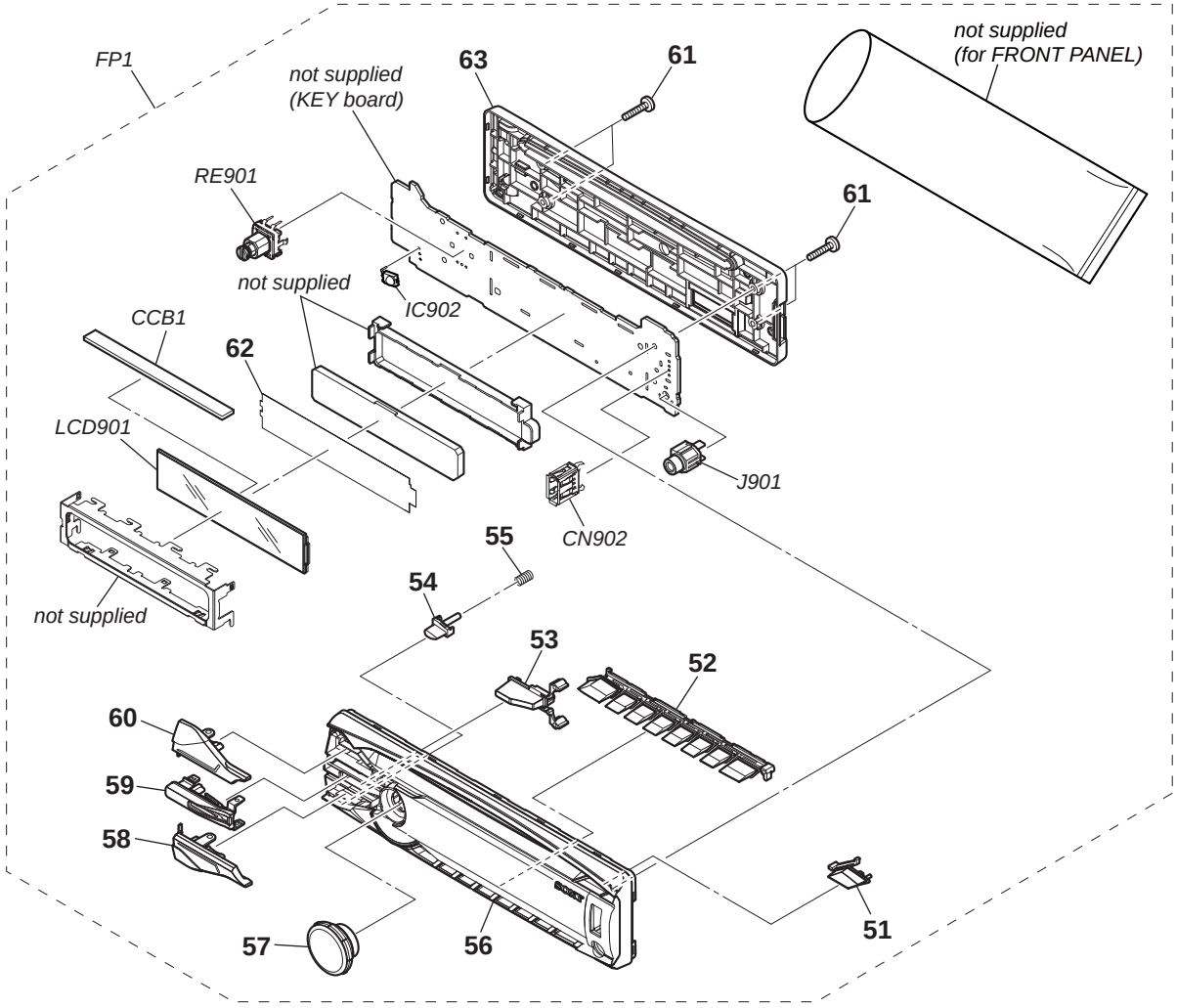
5-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark
1	X-2581-176-3	PANEL ASSY, SUB	
2	3-042-244-11	SCREW (T)	
3	X-2547-583-3	LOCK ASSY (T)	
4	4-410-504-01	SCREW (+PTT 2.6X6), GROUND POINT	
5	A-1889-062-A	MAIN BOARD, COMPLETE	
6	3-243-844-01	CUSHION (SUB PANEL)	
CN01	A-1878-198-A	TUX-DSP02 (FM/AM TUNER UNIT)	
FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10 A/32 V)	

Ref. No.	Part No.	Description	Remark
PW1	1-839-372-11	CONNECTION CORD FOR AUTOMOBILE (POWER)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
#3	7-685-793-01	SCREW +PTT 2.6X8 (S)	
#4	7-685-794-01	SCREW +PTT 2.6X10 (S)	
#5	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	

5-2. FRONT PANEL SECTION

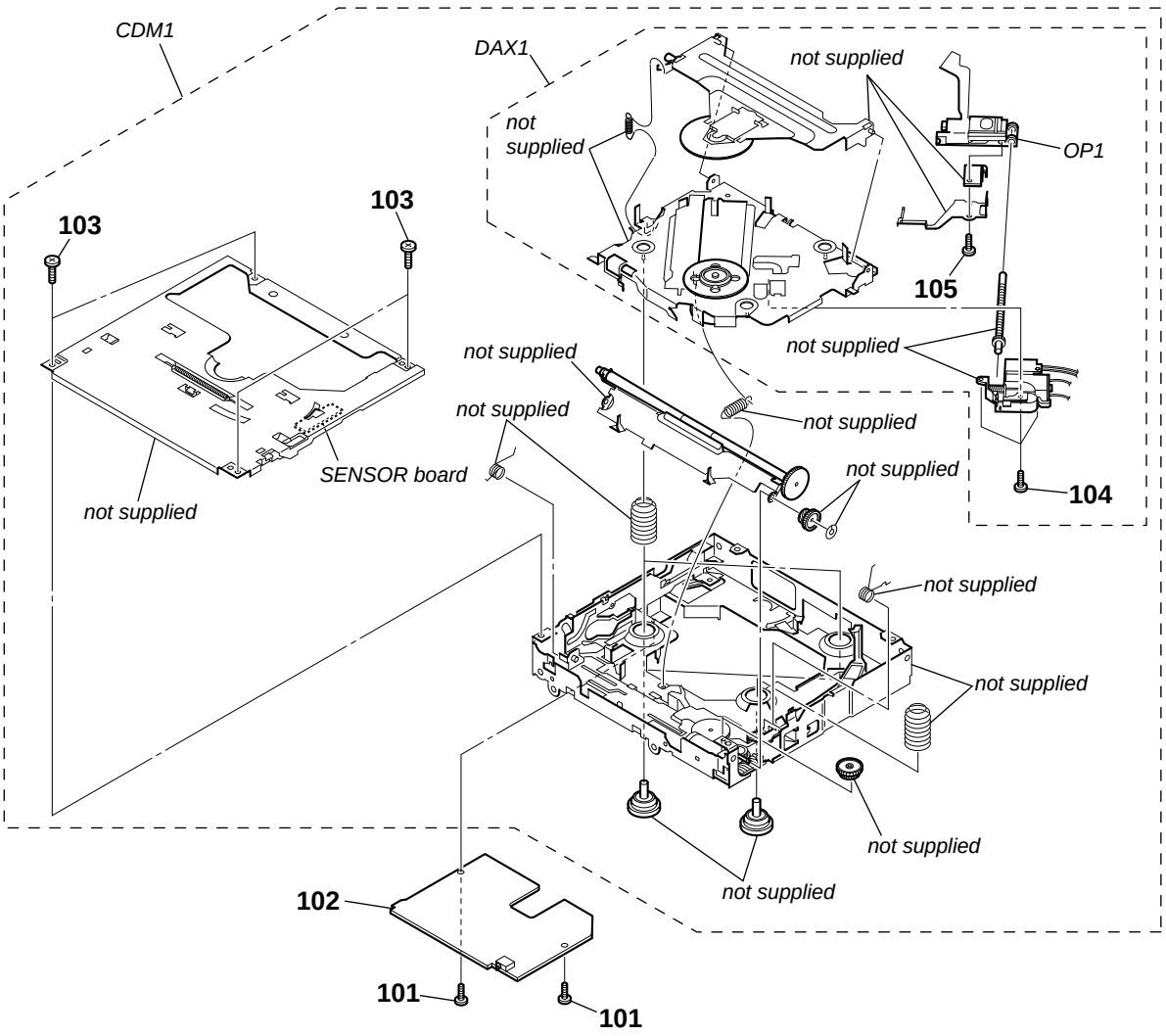


Note: Refer to the servicing notes "NOTE FOR REPLACEMENT OF THE USB CONNECTOR (CN902) AND THE AUX JACK (J901)" (See page 4), if replacing the Ref. No. CN902 and the Ref. No. J901.

Ref. No.	Part No.	Description	Remark
51	4-183-276-01	BUTTON (EJECT) (⏏)	
52	4-183-275-13	BUTTON (PRESET) (PTY, 1, 2, 3, 4, 5, 6, DSPL)	
53	4-183-273-11	BUTTON (EQ3) (Q)	
54	4-183-274-01	BUTTON (RELEASE)	
55	2-639-881-01	SPRING (RELEASE)	
56	X-2585-146-1	PANEL (SV) ASSY, FRONT	
57	X-2581-858-1	KNOB (VOL) (SV) ASSY	
58	4-183-271-02	BUTTON (MODE) (◀◀, I◀◀, SEEK –, MODE)	
59	4-183-272-31	BUTTON (BACK) (⮌)	
60	4-183-270-02	BUTTON (SOURCE) (▶▶, ▶▶I, SEEK +, ━ OFF, SOURCE)	

Ref. No.	Part No.	Description	Remark
61	3-250-543-21	SCREW (+B P-TITE M2)	
62	4-278-080-01	ILLUMINATOR (LCD)	
63	4-279-394-01	PANEL, BACK	
CCB1	1-780-968-11	CONDUCTIVE BOARD, CONNECTION	
CN902	1-822-798-11	USB CONNECTOR (Ψ)	
FP1	A-1888-859-A	PANEL OVERALL ASSY, FRONT	
IC902	6-600-806-01	IC PNJ4813M01S0 (▣)	
J901	1-822-148-11	SMALL TYPE JACK (VERTICAL) (AUX)	
LCD901	1-811-224-11	DISPLAY PANEL, LIQUID CRYSTAL	
RE901	1-487-023-22	ROTARY ENCODER (PUSH ENTER/SELECT (VOLUME))	

5-3. CD MECHANISM DECK SECTION (MG-101CA-188)



Ref. No.	Part No.	Description	Remark
101	3-352-758-31	SCREW (M1.7X2.5), TOOTHED LOCK	
102	A-1866-089-A	SERVO BOARD, COMPLETE	
103	2-134-636-71	SCREW (M1.7X2.5)	
104	2-626-869-31	SCREW (M2X3), SERRATION	
105	3-686-458-21	SCREW (P1.4), TAPPING	

Ref. No.	Part No.	Description	Remark
CDM1	A-1866-801-A	MECHANICAL BLOCK (11CA) ASSY	
⚠ DAX1	A-1284-705-A	DAXEV08	
⚠ OP1	X-2149-672-1	OPTICAL PICK-UP (DAX-25A) (for SERVICE)	

SECTION 6
ELECTRICAL PARTS LIST

KEY

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.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .

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

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

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

Ref. No.	Part No.	Description				Remark
		KEY BOARD				
		**********				
		< CAPACITOR >				
C901	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C902	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C903	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C904	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	
C906	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C909	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	
C910	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	
C911	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	
C912	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C915	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C916	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
		< CONNECTOR >				
CN901	1-842-265-22	PLUG, CONNECTOR 20P				
		< DIODE >				
D901	6-502-961-01	DIODE DA2J10100L				
D902	6-503-202-01	DIODE RKZ5.1B2KGP1				
D911	6-503-205-01	DIODE RKZ6.8B2KGP1				
D912	6-503-205-01	DIODE RKZ6.8B2KGP1				
D916	6-503-205-01	DIODE RKZ6.8B2KGP1				
		< FERRITE BEAD >				
FB901	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB902	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB903	1-414-385-21	INDUCTOR, FERRITE BEAD				
		< IC >				
IC901	6-718-506-01	IC PT6587-LQ				
		< LED >				
LED901	6-503-227-01	LED NESW505DT-A0-UV (LCD BACK LIGHT)				
LED932	6-502-193-11	LED SML-D12V8WT86TN (⮌)				
LED934	6-502-193-11	LED SML-D12V8WT86TN (◀◀ I◀◀, SEEK–)				
LED936	6-502-193-11	LED SML-D12V8WT86TN (SEEK+, ▶▶I ▶▶)				
LED938	6-502-193-11	LED SML-D12V8WT86TN (ILLUMINATION)				
LED940	6-502-193-11	LED SML-D12V8WT86TN (ILLUMINATION)				
LED942	6-502-193-11	LED SML-D12V8WT86TN (ILLUMINATION)				
LED944	6-502-193-11	LED SML-D12V8WT86TN (ILLUMINATION)				
LED946	6-502-193-11	LED SML-D12V8WT86TN (⏏)				

Ref. No.	Part No.	Description				Remark
LED950	6-502-193-11	LED SML-D12V8WT86TN (▬ OFF, SOURCE)				
LED952	6-502-193-11	LED SML-D12V8WT86TN (MODE)				
LED954	6-502-193-11	LED SML-D12V8WT86TN (🔍)				
		< SWITCH >				
LSW905	1-798-287-11	TACTILE SWITCH (WITH LED) (▬ SCRL, DSPL)				
LSW906	1-798-287-11	TACTILE SWITCH (WITH LED) (PAUSE, 6)				
LSW907	1-798-287-11	TACTILE SWITCH (WITH LED) (ZAP, 5)				
LSW908	1-798-287-11	TACTILE SWITCH (WITH LED) (SHUF, 4)				
LSW909	1-798-287-11	TACTILE SWITCH (WITH LED) (REP, 3)				
LSW910	1-798-287-11	TACTILE SWITCH (WITH LED) (ALBUM ▲, 2)				
LSW911	1-798-287-11	TACTILE SWITCH (WITH LED) (▼ALBUM, 1)				
LSW912	1-798-287-11	TACTILE SWITCH (WITH LED) (CAT, PTY)				
		< TRANSISTOR >				
Q901	8-729-038-22	TRANSISTOR RT1N140C-TP-1				
Q903	6-551-392-01	TRANSISTOR RT6N140C-TP-1				
Q905	8-729-038-22	TRANSISTOR RT1N140C-TP-1				
		< RESISTOR >				
R901	1-216-811-11	METAL CHIP	150	5%	1/10W	
R902	1-216-811-11	METAL CHIP	150	5%	1/10W	
R903	1-216-809-11	METAL CHIP	100	5%	1/10W	
R904	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R905	1-216-864-11	SHORT CHIP	0			
R906	1-216-802-11	METAL CHIP	27	5%	1/10W	
R907	1-216-802-11	METAL CHIP	27	5%	1/10W	
R908	1-216-810-11	METAL CHIP	120	5%	1/10W	
R909	1-216-810-11	METAL CHIP	120	5%	1/10W	
R910	1-216-810-11	METAL CHIP	120	5%	1/10W	
R915	1-216-817-11	METAL CHIP	470	5%	1/10W	
R916	1-216-817-11	METAL CHIP	470	5%	1/10W	
R917	1-216-817-11	METAL CHIP	470	5%	1/10W	
R918	1-216-864-11	SHORT CHIP	0			
R919	1-216-864-11	SHORT CHIP	0			
R920	1-216-820-11	METAL CHIP	820	5%	1/10W	
R921	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R922	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R923	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	
R924	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R925	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
R926	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R927	1-216-295-91	SHORT CHIP	0			
R940	1-216-820-11	METAL CHIP	820	5%	1/10W	

KEY **MAIN**

Ref. No.	Part No.	Description			Remark
R942	1-216-864-11	SHORT CHIP	0		
R944	1-216-820-11	METAL CHIP	820	5%	1/10W
R946	1-216-821-11	METAL CHIP	1K	5%	1/10W
R948	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R950	1-216-821-11	METAL CHIP	1K	5%	1/10W
R952	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R954	1-216-821-11	METAL CHIP	1K	5%	1/10W
R956	1-216-821-11	METAL CHIP	1K	5%	1/10W
R958	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R961	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R966	1-216-821-11	METAL CHIP	1K	5%	1/10W
R968	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R970	1-216-821-11	METAL CHIP	1K	5%	1/10W
R972	1-216-821-11	METAL CHIP	1K	5%	1/10W
R974	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R976	1-216-864-11	SHORT CHIP	0		
R980	1-216-811-11	METAL CHIP	150	5%	1/10W
R982	1-216-811-11	METAL CHIP	150	5%	1/10W
R984	1-216-811-11	METAL CHIP	150	5%	1/10W
R986	1-216-811-11	METAL CHIP	150	5%	1/10W
R988	1-216-813-11	METAL CHIP	220	5%	1/10W
R990	1-216-813-11	METAL CHIP	220	5%	1/10W
R991	1-216-820-11	METAL CHIP	820	5%	1/10W
R992	1-216-821-11	METAL CHIP	1K	5%	1/10W
R993	1-216-821-11	METAL CHIP	1K	5%	1/10W
R994	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R995	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R996	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R997	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R998	1-216-821-11	METAL CHIP	1K	5%	1/10W
R999	1-216-295-91	SHORT CHIP	0		
		< SWITCH >			
S901	1-798-284-11	TACTILE SWITCH (⏏)			
S902	1-798-284-11	TACTILE SWITCH (⏻ OFF, SOURCE)			
S903	1-798-284-11	TACTILE SWITCH (SEEK+, ⏭ ⏩)			
S904	1-798-284-11	TACTILE SWITCH (⮌)			
S905	1-798-284-11	TACTILE SWITCH (⏪ ⏮, SEEK–)			
S906	1-798-284-11	TACTILE SWITCH (🔍)			
S907	1-798-284-11	TACTILE SWITCH (MODE)			
**********					
	A-1889-062-A	MAIN BOARD, COMPLETE			
		**********			
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT			
	7-685-794-01	SCREW +PTT 2.6X10 (S)			
		< CAPACITOR >			
C10	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C11	1-137-765-21	ELECT CHIP	47uF	20%	16V
C15	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C100	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C101	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C103	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C203	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C301	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C302	1-116-733-11	CERAMIC CHIP	1uF	10%	25V
C303	1-137-893-11	ELECT CHIP	22uF	20%	16V
C305	1-116-733-11	CERAMIC CHIP	1uF	10%	25V
C306	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C308	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C309	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
C311	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C312	1-124-779-00	ELECT CHIP	10uF	20%	16V
C313	1-137-765-21	ELECT CHIP	47uF	20%	16V
C314	1-112-064-11	CERAMIC CHIP	2.2uF	10%	10V
C315	1-112-780-11	CERAMIC CHIP	0.47uF	10%	16V
C317	1-112-780-11	CERAMIC CHIP	0.47uF	10%	16V
C319	1-112-780-11	CERAMIC CHIP	0.47uF	10%	16V
C321	1-112-780-11	CERAMIC CHIP	0.47uF	10%	16V
C323	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C326	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C327	1-116-733-11	CERAMIC CHIP	1uF	10%	25V
C330	1-116-739-11	CERAMIC CHIP	0.47uF	10%	50V
C331	1-116-739-11	CERAMIC CHIP	0.47uF	10%	50V
C334	1-118-067-11	ELECT	3300uF	20%	16V
C335	1-114-868-11	CERAMIC CHIP	0.1uF	10%	50V
C398	1-100-905-11	CERAMIC CHIP	0.001uF	10%	50V
C399	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C401	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C402	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C403	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
C407	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C409	1-100-588-21	ELECT CHIP	1000uF	20%	6.3V
C410	1-124-779-00	ELECT CHIP	10uF	20%	16V
C411	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
C413	1-124-779-00	ELECT CHIP	10uF	20%	16V
C414	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C415	1-128-398-11	ELECT CHIP	220uF	20%	16V
C416	1-128-992-21	ELECT CHIP	47uF	20%	25V
C419	1-124-779-00	ELECT CHIP	10uF	20%	16V
C420	1-124-779-00	ELECT CHIP	10uF	20%	16V
C422	1-124-779-00	ELECT CHIP	10uF	20%	16V
C424	1-124-779-00	ELECT CHIP	10uF	20%	16V
C425	1-124-779-00	ELECT CHIP	10uF	20%	16V
C436	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C437	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C438	1-112-064-11	CERAMIC CHIP	2.2uF	10%	10V
C439	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C440	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C442	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C450	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C451	1-112-064-11	CERAMIC CHIP	2.2uF	10%	10V
C452	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C457	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C501	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C502	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C503	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C504	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C507	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
C508	1-164-856-81	CERAMIC CHIP	18PF	5%	50V
C510	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C512	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C514	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C518	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C520	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C521	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C522	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C523	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C601	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C605	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C606	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C607	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C608	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C609	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C610	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C612	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C613	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C614	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C615	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C616	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C617	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C680	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C681	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C682	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C683	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C685	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C686	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C687	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C688	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C689	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C690	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C701	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C711	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C712	1-126-208-21	ELECT CHIP	47uF	20%	4V
C713	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C714	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C715	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C716	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C717	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C718	1-127-772-81	CERAMIC CHIP	0.033uF	10%	10V
C719	1-100-579-81	CERAMIC CHIP	0.0056uF	10%	25V
C720	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C721	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C722	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C724	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C725	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C726	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C727	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C728	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C729	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C730	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C732	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C733	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C734	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C735	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C737	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V
C738	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V
C739	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
* C742	1-116-727-11	CERAMIC CHIP	2.2uF	10%	16V
* C744	1-116-727-11	CERAMIC CHIP	2.2uF	10%	16V
* C746	1-116-727-11	CERAMIC CHIP	2.2uF	10%	16V
C747	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C748	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C750	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C751	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C752	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C753	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C754	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V

Ref. No.	Part No.	Description			Remark
C756	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C759	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C760	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C761	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C764	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C766	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C767	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C768	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C771	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
C772	1-127-988-81	CERAMIC CHIP	0.015uF	10%	16V
C776	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C777	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C778	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C779	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C780	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V
C781	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C782	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C783	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C784	1-127-988-81	CERAMIC CHIP	0.015uF	10%	16V
C786	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C787	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C788	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C789	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C792	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C830	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C831	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C876	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C877	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C878	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C1301	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C1304	1-116-705-11	CERAMIC CHIP	47uF	20%	16V
C1305	1-100-055-21	CERAMIC CHIP	22uF	20%	16V
C1306	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C1307	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C1308	1-112-064-11	CERAMIC CHIP	2.2uF	10%	10V
C1309	1-114-323-11	CERAMIC CHIP	0.01uF	10%	50V
C1310	1-114-582-91	CERAMIC CHIP	0.1uF	10%	16V
C1311	1-117-681-11	ELECT CHIP	100uF	20%	16V
C1312	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C1315	1-100-055-21	CERAMIC CHIP	22uF	20%	16V
C1316	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C1317	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

< TUNER UNIT/CONNECTOR >

CN01	A-1878-198-A	TUX-DSP02 (FM/AM TUNER UNIT)
CN102	1-842-266-22	SOCKET, CONNECTOR 20P
CN301	1-843-352-11	PIN, CONNECTOR 16P
CN700	1-842-487-12	CONNECTOR, BOARD TO BOARD 28P
CN802	1-779-886-11	SOCKET, MINIATURE DIN CONNECTOR (SIRIUSXM IN)

< DIODE >

D101	6-503-205-01	DIODE RKZ6.8B2KGP1
D102	6-503-205-01	DIODE RKZ6.8B2KGP1
D110	6-503-205-01	DIODE RKZ6.8B2KGP1
D119	6-503-205-01	DIODE RKZ6.8B2KGP1
D318	6-503-238-01	DIODE GN1G
D320	6-503-213-01	DIODE RKZ18B2KGP1
D321	6-503-238-01	DIODE GN1G
D323	6-503-213-01	DIODE RKZ18B2KGP1
D324	6-503-238-01	DIODE GN1G

MAIN

Ref. No.	Part No.	Description	Remark
D401	6-502-961-01	DIODE DA2J10100L	
D403	6-500-335-01	DIODE MC2838-T112-1	
D530	6-502-131-01	DIODE LRB751V-40T1G	
D731	6-501-013-01	DIODE BAT54ALT1G	
D805	6-503-206-01	DIODE RKZ7.5B2KGP1	
D806	6-503-213-01	DIODE RKZ18B2KGP1	
D820	6-503-213-01	DIODE RKZ18B2KGP1	
D831	6-503-213-01	DIODE RKZ18B2KGP1	
D832	6-503-213-01	DIODE RKZ18B2KGP1	
D1300	6-503-319-01	DIODE DB2X41400L	
		< FUSE >	
F3	1-576-416-21	FUSE (2 A/36 V)	
F4	1-576-416-21	FUSE (2 A/36 V)	
		< FERRITE BEAD/JUMPER RESISTOR >	
FB19	1-400-334-21	FERRITE, EMI (SMD) (1608)	
FB398	1-469-084-21	FERRITE	
FB501	1-414-595-11	INDUCTOR, FERRITE BEAD	
FB610	1-216-864-11	SHORT CHIP 0	
FB611	1-500-113-22	BEAD, FERRITE (CHIP) (1608)	
FB612	1-500-113-22	BEAD, FERRITE (CHIP) (1608)	
FB694	1-216-864-11	SHORT CHIP 0	
FB695	1-216-864-11	SHORT CHIP 0	
FB696	1-216-864-11	SHORT CHIP 0	
FB698	1-216-864-11	SHORT CHIP 0	
FB717	1-216-864-11	SHORT CHIP 0	
FB718	1-216-864-11	SHORT CHIP 0	
FB719	1-216-864-11	SHORT CHIP 0	
FB720	1-216-864-11	SHORT CHIP 0	
FB721	1-216-864-11	SHORT CHIP 0	
FB722	1-216-864-11	SHORT CHIP 0	
FB724	1-469-084-21	FERRITE	
FB750	1-216-864-11	SHORT CHIP 0	
FB751	1-216-864-11	SHORT CHIP 0	
FB760	1-216-864-11	SHORT CHIP 0	
FB762	1-216-864-11	SHORT CHIP 0	
FB782	1-469-084-21	FERRITE	
FB801	1-500-113-22	BEAD, FERRITE (CHIP) (1608)	
FB802	1-500-113-22	BEAD, FERRITE (CHIP) (1608)	
FB803	1-500-113-22	BEAD, FERRITE (CHIP) (1608)	
FB890	1-500-113-22	BEAD, FERRITE (CHIP) (1608)	
FB891	1-500-113-22	BEAD, FERRITE (CHIP) (1608)	
		< IC >	
IC301	6-715-848-21	IC TDF8556AJ/N5	
IC401	6-714-623-01	IC BD3467FV-E2	
IC402	6-716-993-01	IC MM1836A33NRE	
IC403	6-712-776-01	IC PST8228UL	
IC501	6-719-021-01	IC R5F3650KBDZ74FA (for SERVICE)	
IC601	6-718-962-01	IC M321FEFG-7KN3 (SY	
IC680	6-713-560-01	IC MFI341S2162	
IC681	6-711-238-01	IC NJM2878F3-15 (TE2)	
IC682	6-711-238-01	IC NJM2878F3-15 (TE2)	
IC701	6-715-712-11	IC TC94A99FG-003 (SY, H	
IC830	6-710-376-01	IC 74LVC1G17GW-125	
IC831	8-759-653-98	IC TC7WT126FU (TE12R)	
IC1300	6-718-913-01	IC OZ539IGN-A1-0-TR	

Ref. No.	Part No.	Description			Remark
		< JACK >			
J1	1-843-172-11	JACK (ANT) (ANTENNA IN)			
J401	1-822-713-11	JACK, PIN 2P (REAR/SUB AUDIO OUT)			
J801	1-566-822-81	JACK (REMOTE IN)			
		< COIL/JUMPER RESISTOR >			
L1	1-400-073-21	INDUCTOR	4.7uH		
L301	1-460-443-11	CHOKE COIL	140uH		
L1300	1-216-296-11	SHORT CHIP	0		
L1301	1-481-904-11	CHOKE COIL	47uH		
		< TRANSISTOR >			
Q301	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q401	6-552-937-01	TRANSISTOR	LTC014TUBFS8TL		
Q402	6-552-937-01	TRANSISTOR	LTC014TUBFS8TL		
Q403	6-552-937-01	TRANSISTOR	LTC014TUBFS8TL		
Q404	6-552-937-01	TRANSISTOR	LTC014TUBFS8TL		
Q405	6-552-937-01	TRANSISTOR	LTC014TUBFS8TL		
Q406	6-552-937-01	TRANSISTOR	LTC014TUBFS8TL		
Q407	6-552-410-01	TRANSISTOR	DRA5114E0L		
Q409	6-552-430-01	TRANSISTOR	DRC5114E0L		
Q682	6-551-699-01	TRANSISTOR	ISA1602AM1-T111-1EF		
Q683	8-729-038-37	TRANSISTOR	RT1N141M-TP-1		
Q710	8-729-024-43	TRANSISTOR	2SA1365-T112-1EF		
Q801	6-552-444-01	TRANSISTOR	DRC5144E0L		
Q802	6-552-430-01	TRANSISTOR	DRC5114E0L		
Q803	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
		< RESISTOR >			
R10	1-218-990-81	SHORT CHIP	0		
R11	1-216-864-11	SHORT CHIP	0		
R12	1-216-864-11	SHORT CHIP	0		
R13	1-216-821-11	METAL CHIP	1K	5%	1/10W
R19	1-216-864-11	SHORT CHIP	0		
R102	1-216-864-11	SHORT CHIP	0		
R116	1-216-295-91	SHORT CHIP	0		
R121	1-216-864-11	SHORT CHIP	0		
R122	1-216-864-11	SHORT CHIP	0		
R199	1-216-864-11	SHORT CHIP	0		
R300	1-216-296-11	SHORT CHIP	0		
R301	1-218-941-81	METAL CHIP	100	5%	1/16W
R302	1-218-941-81	METAL CHIP	100	5%	1/16W
R303	1-216-182-00	METAL CHIP	220	5%	1/8W
R304	1-216-182-00	METAL CHIP	220	5%	1/8W
R305	1-216-182-00	METAL CHIP	220	5%	1/8W
R306	1-216-182-00	METAL CHIP	220	5%	1/8W
R307	1-218-943-11	METAL CHIP	150	5%	1/16W
R308	1-216-295-91	SHORT CHIP	0		
R309	1-218-973-11	METAL CHIP	47K	5%	1/16W
R311	1-216-073-91	METAL CHIP	10K	5%	1/10W
R312	1-218-973-11	METAL CHIP	47K	5%	1/16W
R313	1-218-973-11	METAL CHIP	47K	5%	1/16W
R314	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R340	1-216-864-11	SHORT CHIP	0		
R378	1-216-073-91	METAL CHIP	10K	5%	1/10W
R395	1-216-296-11	SHORT CHIP	0		
R396	1-216-296-11	SHORT CHIP	0		
R400	1-216-295-91	SHORT CHIP	0		
R401	1-218-977-11	METAL CHIP	100K	5%	1/16W
R402	1-218-953-11	METAL CHIP	1K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R404	1-218-953-11	METAL CHIP	1K	5%	1/16W
R405	1-216-833-11	METAL CHIP	10K	5%	1/10W
R406	1-218-990-81	SHORT CHIP	0		
R407	1-218-953-11	METAL CHIP	1K	5%	1/16W
R409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R410	1-218-953-11	METAL CHIP	1K	5%	1/16W
R411	1-216-833-11	METAL CHIP	10K	5%	1/10W
R415	1-216-049-11	METAL CHIP	1K	5%	1/10W
R416	1-216-049-11	METAL CHIP	1K	5%	1/10W
R417	1-216-834-11	METAL CHIP	12K	5%	1/10W
R418	1-216-834-11	METAL CHIP	12K	5%	1/10W
R419	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R420	1-216-295-91	SHORT CHIP	0		
R421	1-218-953-11	METAL CHIP	1K	5%	1/16W
R422	1-216-833-11	METAL CHIP	10K	5%	1/10W
R423	1-218-953-11	METAL CHIP	1K	5%	1/16W
R424	1-216-833-11	METAL CHIP	10K	5%	1/10W
R429	1-216-801-11	METAL CHIP	22	5%	1/10W
R430	1-216-864-11	SHORT CHIP	0		
R431	1-216-864-11	SHORT CHIP	0		
R432	1-216-833-11	METAL CHIP	10K	5%	1/10W
R433	1-216-296-11	SHORT CHIP	0		
R434	1-216-296-11	SHORT CHIP	0		
R501	1-218-977-11	METAL CHIP	100K	5%	1/16W
R502	1-216-845-11	METAL CHIP	100K	5%	1/10W
R510	1-218-941-81	METAL CHIP	100	5%	1/16W
R511	1-218-941-81	METAL CHIP	100	5%	1/16W
R513	1-218-977-11	METAL CHIP	100K	5%	1/16W
R514	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R515	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R516	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R517	1-218-953-11	METAL CHIP	1K	5%	1/16W
R518	1-218-953-11	METAL CHIP	1K	5%	1/16W
R521	1-218-971-11	METAL CHIP	33K	5%	1/16W
R522	1-218-971-11	METAL CHIP	33K	5%	1/16W
R523	1-218-941-81	METAL CHIP	100	5%	1/16W
R524	1-218-941-81	METAL CHIP	100	5%	1/16W
R525	1-218-941-81	METAL CHIP	100	5%	1/16W
R527	1-218-977-11	METAL CHIP	100K	5%	1/16W
R529	1-218-949-11	METAL CHIP	470	5%	1/16W
R531	1-218-977-11	METAL CHIP	100K	5%	1/16W
R533	1-218-953-11	METAL CHIP	1K	5%	1/16W
R534	1-218-953-11	METAL CHIP	1K	5%	1/16W
R535	1-218-949-11	METAL CHIP	470	5%	1/16W
R536	1-218-977-11	METAL CHIP	100K	5%	1/16W
R538	1-218-965-11	METAL CHIP	10K	5%	1/16W
R539	1-218-990-81	SHORT CHIP	0		
R540	1-216-845-11	METAL CHIP	100K	5%	1/10W
R541	1-245-604-11	METAL CHIP	10M	5%	1/16W
R542	1-218-981-91	METAL CHIP	220K	5%	1/16W
R543	1-218-990-81	SHORT CHIP	0		
R544	1-216-857-11	METAL CHIP	1M	5%	1/10W
R545	1-216-845-11	METAL CHIP	100K	5%	1/10W
R546	1-218-977-11	METAL CHIP	100K	5%	1/16W
R547	1-218-941-81	METAL CHIP	100	5%	1/16W
R548	1-218-990-81	SHORT CHIP	0		
R549	1-218-990-81	SHORT CHIP	0		
R552	1-218-977-11	METAL CHIP	100K	5%	1/16W
R553	1-218-949-11	METAL CHIP	470	5%	1/16W
R555	1-218-990-81	SHORT CHIP	0		
R556	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R557	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R560	1-218-977-11	METAL CHIP	100K	5%	1/16W
R561	1-218-990-81	SHORT CHIP	0		
R562	1-218-990-81	SHORT CHIP	0		
R563	1-218-941-81	METAL CHIP	100	5%	1/16W
R564	1-216-809-11	METAL CHIP	100	5%	1/10W
R565	1-218-977-11	METAL CHIP	100K	5%	1/16W
R566	1-218-977-11	METAL CHIP	100K	5%	1/16W
R567	1-218-977-11	METAL CHIP	100K	5%	1/16W
R568	1-216-845-11	METAL CHIP	100K	5%	1/10W
R569	1-218-977-11	METAL CHIP	100K	5%	1/16W
R570	1-218-941-81	METAL CHIP	100	5%	1/16W
R571	1-218-941-81	METAL CHIP	100	5%	1/16W
R572	1-218-941-81	METAL CHIP	100	5%	1/16W
R573	1-218-941-81	METAL CHIP	100	5%	1/16W
R574	1-218-941-81	METAL CHIP	100	5%	1/16W
R575	1-216-845-11	METAL CHIP	100K	5%	1/10W
R576	1-218-977-11	METAL CHIP	100K	5%	1/16W
R577	1-218-977-11	METAL CHIP	100K	5%	1/16W
R578	1-216-833-11	METAL CHIP	10K	5%	1/10W
R579	1-216-833-11	METAL CHIP	10K	5%	1/10W
R584	1-218-977-11	METAL CHIP	100K	5%	1/16W
R586	1-216-845-11	METAL CHIP	100K	5%	1/10W
R600	1-218-941-81	METAL CHIP	100	5%	1/16W
R601	1-218-941-81	METAL CHIP	100	5%	1/16W
R602	1-218-941-81	METAL CHIP	100	5%	1/16W
R603	1-218-941-81	METAL CHIP	100	5%	1/16W
R604	1-216-809-11	METAL CHIP	100	5%	1/10W
R605	1-218-977-11	METAL CHIP	100K	5%	1/16W
R606	1-218-977-11	METAL CHIP	100K	5%	1/16W
R607	1-218-977-11	METAL CHIP	100K	5%	1/16W
R613	1-218-973-11	METAL CHIP	47K	5%	1/16W
R614	1-218-965-11	METAL CHIP	10K	5%	1/16W
R615	1-218-953-11	METAL CHIP	1K	5%	1/16W
R616	1-218-953-11	METAL CHIP	1K	5%	1/16W
R617	1-218-953-11	METAL CHIP	1K	5%	1/16W
R618	1-218-953-11	METAL CHIP	1K	5%	1/16W
R619	1-218-953-11	METAL CHIP	1K	5%	1/16W
R620	1-218-953-11	METAL CHIP	1K	5%	1/16W
R621	1-218-941-81	METAL CHIP	100	5%	1/16W
R622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R623	1-218-990-81	SHORT CHIP	0		
R625	1-216-845-11	METAL CHIP	100K	5%	1/10W
R629	1-218-941-81	METAL CHIP	100	5%	1/16W
R637	1-218-971-11	METAL CHIP	33K	5%	1/16W
R638	1-218-971-11	METAL CHIP	33K	5%	1/16W
R639	1-218-965-11	METAL CHIP	10K	5%	1/16W
R641	1-218-977-11	METAL CHIP	100K	5%	1/16W
R642	1-218-965-11	METAL CHIP	10K	5%	1/16W
R643	1-216-845-11	METAL CHIP	100K	5%	1/10W
R644	1-218-941-81	METAL CHIP	100	5%	1/16W
R645	1-218-941-81	METAL CHIP	100	5%	1/16W
R646	1-218-941-81	METAL CHIP	100	5%	1/16W
R647	1-218-941-81	METAL CHIP	100	5%	1/16W
R648	1-218-941-81	METAL CHIP	100	5%	1/16W
R649	1-218-941-81	METAL CHIP	100	5%	1/16W
R652	1-218-977-11	METAL CHIP	100K	5%	1/16W
R653	1-218-977-11	METAL CHIP	100K	5%	1/16W

MAIN **SENSOR**

Ref. No.	Part No.	Description			Remark
R654	1-218-977-11	METAL CHIP	100K	5%	1/16W
R655	1-216-097-11	METAL CHIP	100K	5%	1/10W
R656	1-218-977-11	METAL CHIP	100K	5%	1/16W
R657	1-218-941-81	METAL CHIP	100	5%	1/16W
R658	1-218-990-81	SHORT CHIP	0		
R661	1-218-941-81	METAL CHIP	100	5%	1/16W
R667	1-218-965-11	METAL CHIP	10K	5%	1/16W
R668	1-218-989-11	METAL CHIP	1M	5%	1/16W
R669	1-218-990-81	SHORT CHIP	0		
R671	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R672	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R673	1-216-835-11	METAL CHIP	15K	5%	1/10W
R674	1-216-835-11	METAL CHIP	15K	5%	1/10W
R675	1-218-977-11	METAL CHIP	100K	5%	1/16W
R676	1-218-977-11	METAL CHIP	100K	5%	1/16W
R680	1-218-953-11	METAL CHIP	1K	5%	1/16W
R681	1-216-845-11	METAL CHIP	100K	5%	1/10W
R682	1-216-809-11	METAL CHIP	100	5%	1/10W
R683	1-218-965-11	METAL CHIP	10K	5%	1/16W
R684	1-218-965-11	METAL CHIP	10K	5%	1/16W
R686	1-218-969-11	METAL CHIP	22K	5%	1/16W
R687	1-218-953-11	METAL CHIP	1K	5%	1/16W
R688	1-216-864-11	SHORT CHIP	0		
R689	1-216-864-11	SHORT CHIP	0		
R690	1-220-200-81	METAL CHIP	30K	5%	1/16W
R691	1-218-971-11	METAL CHIP	33K	5%	1/16W
R692	1-218-990-81	SHORT CHIP	0		
R693	1-218-990-81	SHORT CHIP	0		
R695	1-216-864-11	SHORT CHIP	0		
R697	1-218-990-81	SHORT CHIP	0		
R699	1-216-864-11	SHORT CHIP	0		
R710	1-218-953-11	METAL CHIP	1K	5%	1/16W
R711	1-218-929-11	METAL CHIP	10	5%	1/16W
R712	1-220-802-11	METAL CHIP	3.3	5%	1/16W
R714	1-218-990-81	SHORT CHIP	0		
R715	1-218-990-81	SHORT CHIP	0		
R716	1-218-990-81	SHORT CHIP	0		
R717	1-218-947-11	METAL CHIP	330	5%	1/16W
R718	1-218-947-11	METAL CHIP	330	5%	1/16W
R719	1-218-947-11	METAL CHIP	330	5%	1/16W
R720	1-218-947-11	METAL CHIP	330	5%	1/16W
R721	1-218-947-11	METAL CHIP	330	5%	1/16W
R722	1-218-989-11	METAL CHIP	1M	5%	1/16W
R723	1-218-955-11	METAL CHIP	1.5K	5%	1/16W
R724	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R725	1-218-958-11	METAL CHIP	2.7K	5%	1/16W
R726	1-218-965-11	METAL CHIP	10K	5%	1/16W
R727	1-218-965-11	METAL CHIP	10K	5%	1/16W
R728	1-218-977-11	METAL CHIP	100K	5%	1/16W
R729	1-218-977-11	METAL CHIP	100K	5%	1/16W
R730	1-218-977-11	METAL CHIP	100K	5%	1/16W
R731	1-216-845-11	METAL CHIP	100K	5%	1/10W
R732	1-218-990-81	SHORT CHIP	0		
R733	1-218-990-81	SHORT CHIP	0		
R736	1-218-977-11	METAL CHIP	100K	5%	1/16W
R737	1-218-953-11	METAL CHIP	1K	5%	1/16W
R738	1-218-953-11	METAL CHIP	1K	5%	1/16W
R739	1-218-953-11	METAL CHIP	1K	5%	1/16W
R740	1-218-953-11	METAL CHIP	1K	5%	1/16W
R741	1-218-941-81	METAL CHIP	100	5%	1/16W
R742	1-216-841-11	METAL CHIP	47K	5%	1/10W
R743	1-218-967-11	METAL CHIP	15K	5%	1/16W
R744	1-218-983-11	METAL CHIP	330K	5%	1/16W
R745	1-218-941-81	METAL CHIP	100	5%	1/16W
R746	1-218-990-81	SHORT CHIP	0		
R747	1-218-990-81	SHORT CHIP	0		
R748	1-218-990-81	SHORT CHIP	0		
R749	1-218-990-81	SHORT CHIP	0		
R750	1-218-969-11	METAL CHIP	22K	5%	1/16W
R751	1-218-969-11	METAL CHIP	22K	5%	1/16W
R761	1-216-864-11	SHORT CHIP	0		
R763	1-216-864-11	SHORT CHIP	0		
R764	1-216-864-11	SHORT CHIP	0		
R765	1-216-864-11	SHORT CHIP	0		
R766	1-216-864-11	SHORT CHIP	0		
R814	1-218-981-91	METAL CHIP	220K	5%	1/16W
R818	1-218-981-91	METAL CHIP	220K	5%	1/16W
R819	1-218-953-11	METAL CHIP	1K	5%	1/16W
R820	1-218-953-11	METAL CHIP	1K	5%	1/16W
R830	1-218-972-11	METAL CHIP	39K	5%	1/16W
R831	1-218-977-11	METAL CHIP	100K	5%	1/16W
R833	1-218-975-11	METAL CHIP	68K	5%	1/16W
R834	1-218-977-11	METAL CHIP	100K	5%	1/16W
R835	1-216-864-11	SHORT CHIP	0		
R836	1-216-801-11	METAL CHIP	22	5%	1/10W
R855	1-216-809-11	METAL CHIP	100	5%	1/10W
R856	1-216-809-11	METAL CHIP	100	5%	1/10W
R857	1-216-809-11	METAL CHIP	100	5%	1/10W
R864	1-216-864-11	SHORT CHIP	0		
R865	1-216-864-11	SHORT CHIP	0		
R870	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R871	1-216-834-11	METAL CHIP	12K	5%	1/10W
R872	1-216-834-11	METAL CHIP	12K	5%	1/10W
R873	1-216-295-91	SHORT CHIP	0		
R874	1-216-049-11	METAL CHIP	1K	5%	1/10W
R875	1-216-049-11	METAL CHIP	1K	5%	1/10W
R899	1-216-296-11	SHORT CHIP	0		
R1300	1-216-817-11	METAL CHIP	470	5%	1/10W
R1301	1-216-809-11	METAL CHIP	100	5%	1/10W
R1302	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1305	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R1307	1-208-933-11	METAL CHIP	82K	0.5%	1/16W
R1308	1-208-933-11	METAL CHIP	82K	0.5%	1/16W
R1310	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1311	1-218-885-11	METAL CHIP	39K	0.5%	1/10W
R1312	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R1313	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1315	1-218-953-11	METAL CHIP	1K	5%	1/16W

< VIBRATOR >

X501	1-814-544-21	VIBRATOR, CERAMIC (7.92 MHz)
X502	1-813-202-11	VIBRATOR, CRYSTAL (32.768 kHz)
X601	1-814-304-11	VIBRATOR, CRYSTAL (12 MHz)
X701	1-795-561-21	VIBRATOR, CERAMIC (16.934 MHz)

****

SENSOR BOARD

****

When the SENSOR board is defective, exchange the MECHANICAL BLOCK (11CA) ASSY.

****

Ref. No.	Part No.	Description	Remark
	A-1866-089-A	SERVO BOARD, COMPLETE **********	

When the SERVO board is defective, exchange the complete mounted board.

****

MISCELLANEOUS
****

CCB1	1-780-968-11	CONDUCTIVE BOARD, CONNECTION	
CDM1	A-1866-801-A	MECHANICAL BLOCK (11CA) ASSY	
CN902	1-822-798-11	USB CONNECTOR (♆)	
⚠ DAX1	A-1284-705-A	DAXEV08	
FP1	A-1888-859-A	PANEL OVERALL ASSY, FRONT	
FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10 A/32 V)	
IC902	6-600-806-01	IC PNJ4813M01S0 (🅁)	
J901	1-822-148-11	SMALL TYPE JACK (VERTICAL) (AUX)	
LCD901	1-811-224-11	DISPLAY PANEL, LIQUID CRYSTAL	
⚠ OP1	X-2149-672-1	OPTICAL PICK-UP (DAX-25A) (for SERVICE)	
PW1	1-839-372-11	CONNECTION CORD FOR AUTOMOBILE	(POWER)
RE901	1-487-023-22	ROTARY ENCODER	(PUSH ENTER/SELECT (VOLUME))

****

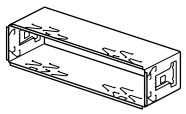
ACCESSORIES
****

	1-489-810-21	REMOTE COMMANDER (RM-X211)
	4-434-673-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH)
	4-434-674-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH)

****

Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS **********	
501	X-2548-178-1	FRAME ASSY, FITTING	
502	4-276-003-01	KEY (FRAME) (1 piece)	
503	4-183-280-02	COLLAR	
504	1-839-372-11	CONNECTION CORD FOR AUTOMOBILE	(POWER)
505	3-934-325-01	SCREW, +K (5X8) TAPPING (1 piece)	

501

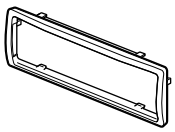


FITTING FRAME ASSY
× 1

502

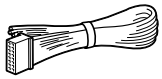
KEY (FRAME)
× 2

503



COLLAR
× 1

504



POWER CORD
× 1

505

+K5 × 8
× 4

Note: Refer to the servicing notes “NOTE FOR REPLACEMENT OF THE USB CONNECTOR (CN902) AND THE AUX JACK (J901)” (See page 4), if replacing the Ref. No. CN902 and the Ref. No. J901.

REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2012.06	New