

CDX-GT34W/GT340

SERVICE MANUAL

Ver. 1.0 2009.07

US Model
CDX-GT34W/GT340

Canadian Model
CDX-GT34W



Photo: CDX-GT34W

- The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	CDX-GT23W/GT24/GT24EE
CD Drive Mechanism Type	MG-101L-188//Q
Optical Pick-up Name	DAX-25A

SPECIFICATIONS

CD Player section

Signal-to-noise ratio: 120 dB

Frequency response: 10 – 20,000 Hz

Wow and flutter: Below measurable limit

Tuner section

FM

Tuning range: 87.5 – 107.9 MHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency: 150 kHz

Usable sensitivity: 10 dBf

Selectivity: 75 dB at 400 kHz

Signal-to-noise ratio: 70 dB (mono)

Separation: 40 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: 25 kHz

Sensitivity: 26 μ V

Power amplifier section

Output: Speaker outputs (sure seal connectors)

Speaker impedance: 4 – 8 ohms

Maximum power output: 52 W $\times$ 4 (at 4 ohms)

General

Outputs:

Audio outputs terminal (Front, sub/rear switchable)

Power antenna (aerial) relay control terminal

Power amplifier control terminal

Inputs:

Bus control input terminal

Bus audio input terminal

Antenna (aerial) input terminal

AUX input jack (stereo mini jack)

Tone controls:

Low: $\pm$ 10 dB at 60 Hz (XPLOD)

Mid: $\pm$ 10 dB at 1 kHz (XPLOD)

High: $\pm$ 10 dB at 10 kHz (XPLOD)

Power requirements: 12 V DC car battery (negative ground (earth))

Dimensions: Approx. 178 $\times$ 50 $\times$ 179 mm

(7 1/8 $\times$ 2 $\times$ 7 1/8 in) (w/h/d)

Mounting dimensions:

Approx. 182 $\times$ 53 $\times$ 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:

Card remote commander: RM-X151

Parts for installation and connections (1 set)

Design and specifications are subject to change without notice.

FM/AM COMPACT DISC PLAYER

9-889-584-01

2009G04-1

© 2009.07

Sony Corporation

Audio&Video Business Group

Published by Sony Techno Create Corporation

SONY®

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

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 pickup block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

NOTES ON CHIP COMPONENT REPLACEMENT

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

TEST DISCS

Please use the following test discs for the check on the CD section.

YDES-18 (Part No. 3-702-101-01)

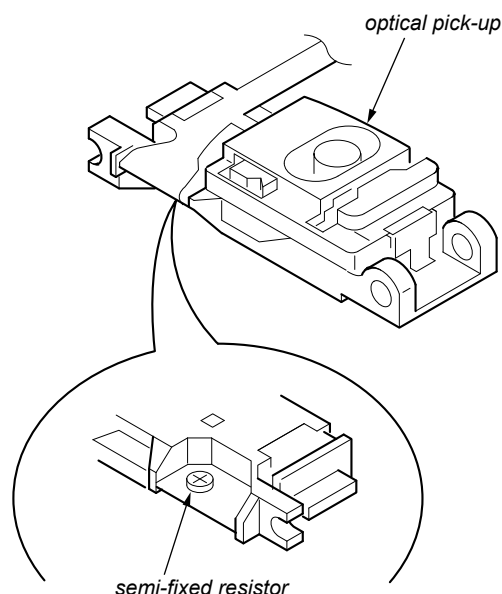
PATD-012 (Part No. 4-225-203-01)

CAUTION

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

If the optical pick-up block is defective, please replace the whole optical pick-up block.

Never turn the semi-fixed resistor located at the side of optical pick-up block.



SAFETY-RELATED COMPONENT WARNING!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

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.

TABLE OF CONTENTS

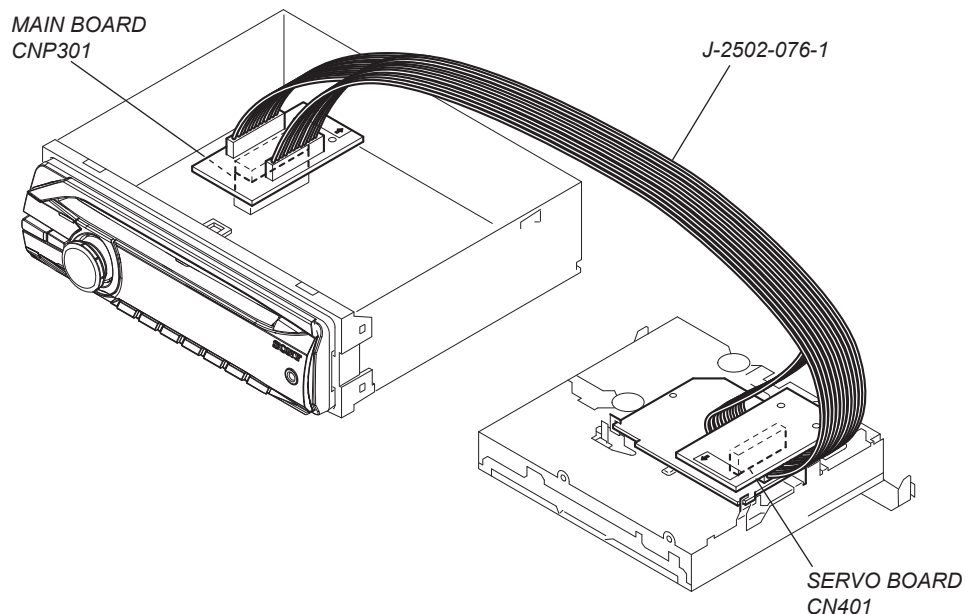
1. SERVICING NOTES	4
2. GENERAL	
Connections	5
3. DISASSEMBLY	
3-1. Sub Panel Assy	8
3-2. CD Mechanism Block	8
3-3. Main Board	9
3-4. Servo Board	9
3-5. Chassis (T) Sub Assy	10
3-6. Roller Arm Assy	10
3-7. Chassis (OP) Assy	11
3-8. Chucking Arm Sub Assy	11
3-9. Sled Motor Assy	12
3-10. Optical Pick-up Section	13
3-11. Optical Pick-up	13
4. DIAGRAMS	
4-1. Block Diagram –Main Section–	15
4-2. Block Diagram –Display Section–	16
4-3. Printed Wiring Board –Main Section–	17
4-4. Schematic Diagram –Main Section (1/3)–	18
4-5. Schematic Diagram –Main Section (2/3)–	19
4-6. Schematic Diagram –Main Section (3/3)–	20
4-7. Printed Wiring Board –Key Section–	21
4-8. Schematic Diagram –Key Section –	22
5. EXPLODED VIEWS	
5-1. Main Section	28
5-2. Front Panel Section	29
5-3. CD Mechanism Section (MG-101L-188//Q)	30
6. ELECTRICAL PARTS LIST	31

SECTION 1 SERVICING NOTES

EXTENSION CABLE AND SERVICE POSITION

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

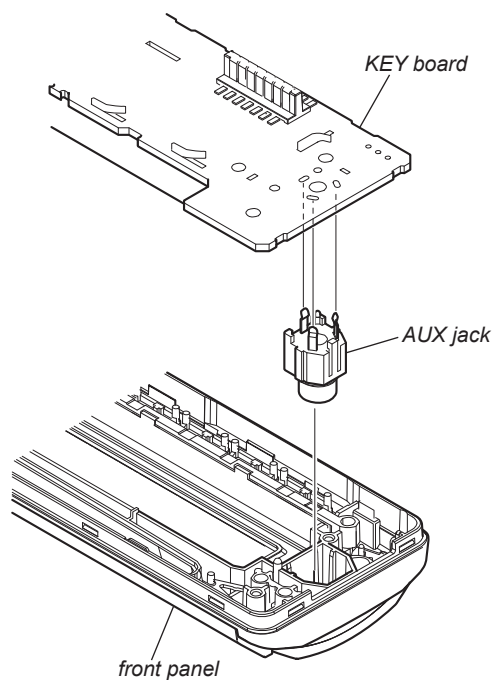
- Connect the MAIN board (CNP301) and the SERVO board (CN401) with the extension cable (Part No. J-2502-076-1).



NOTE FOR REPLACEMENT OF THE AUX JACK (J901)

To replace the AUX jack requires alignment.

1. Insert the AUX jack into the KEY board.
2. Place the KEY board on the front panel.
3. Solder the three terminals of the jack.



NOTE FOR REPLACEMENT OF THE SERVO BOARD

When repairing, the complete SERVO board (Part No. A-1552-122-A) should be replaced since any parts in the SERVO board cannot be repaired.

NOTE FOR THE 15-PIN CONNECTOR (CN901)

Do not use alcohol to clean the 15-pin connector (CN901) connecting the front panel with the main body.

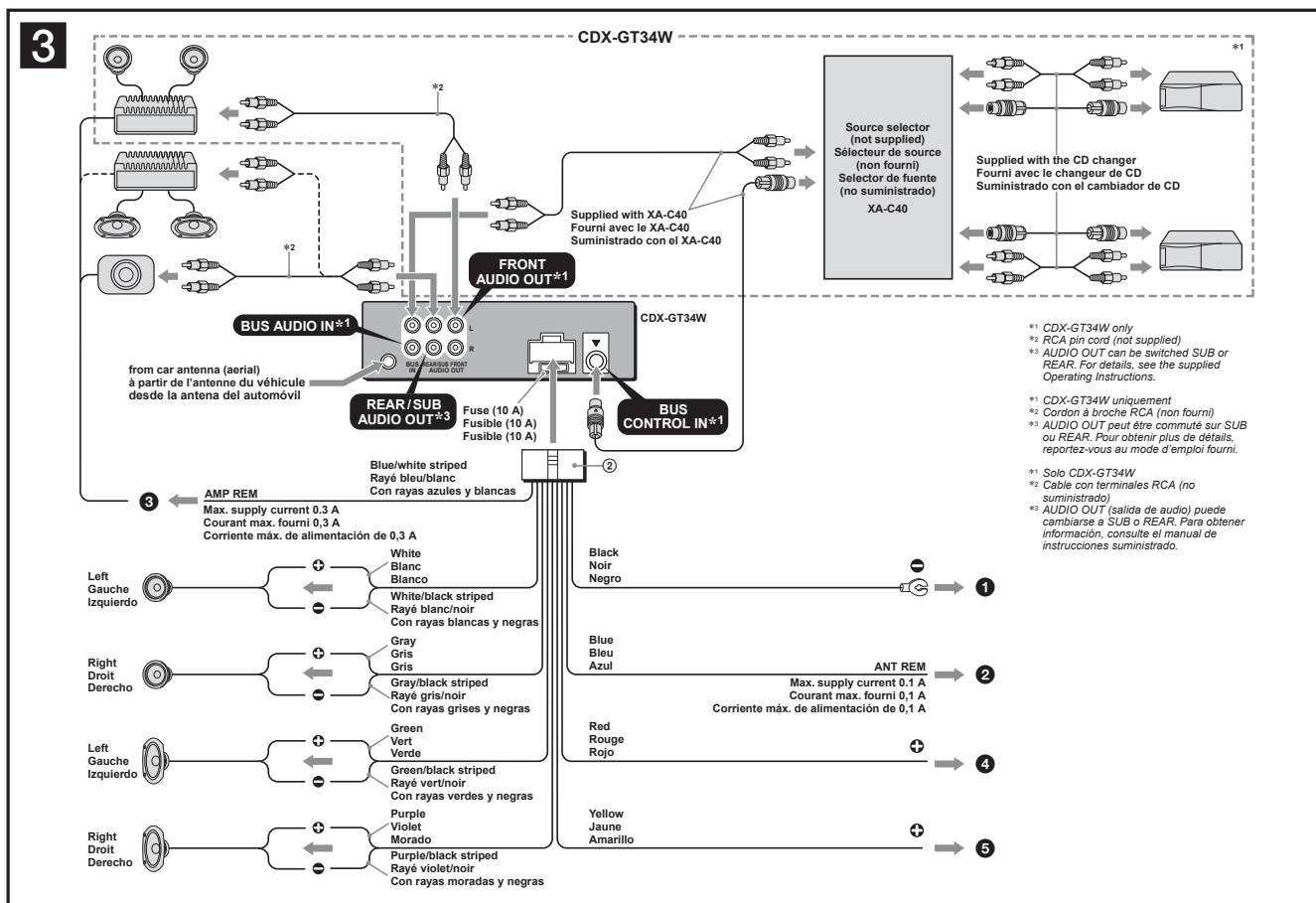
Do not touch the connector directly with your bare hand. Poor contact may be caused.

SECTION 2 GENERAL

This section is extracted
from instruction manual.

CONNECTIONS

• CDX-GT34W



Connection diagram 3

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

- The power antenna (aerial) control lead (blue) supplies +12 V DC when you turn on the tuner.
- When your car has built-in FM/AM antenna (aerial) in the rear/side glass, connect the power antenna (aerial) control lead (blue) 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.

Schéma de raccordement 3

- 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.
- 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.
- 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 ».
- 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 de commande d'antenne électrique (bleu) fournit une alimentation de +12 V CC lorsque vous mettez la radio sous tension.
- Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne électrique (bleu) 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 raccorder, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

Remarques sur le raccordement des haut-parleurs

- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
- Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.
- Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes 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. La connexion 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 cordons 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.

Diagrama de conexión 3

- A una superficie metálica del automóvil**
Conecte primero el cable de conexión a masa negro, y después los cables amarillo y rojo de fuente de alimentación.
- Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena**
Notas
• Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.
• Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".
- A AMP REMOTE IN de un amplificador de potencia opcional**
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.
- Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de encendido**
Notas
• Si no hay posición de accesorio, conéctelo al terminal de alimentación (batería) de +12 V que recibe energía sin interrupción.
• Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.
• Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".
- Al terminal de alimentación de +12 V que recibe energía sin interrupción**
Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.

Notas sobre los cables de control y de fuente de alimentación

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

Conexión para protección de la memoria

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

Notas sobre la conexión de los altavoces

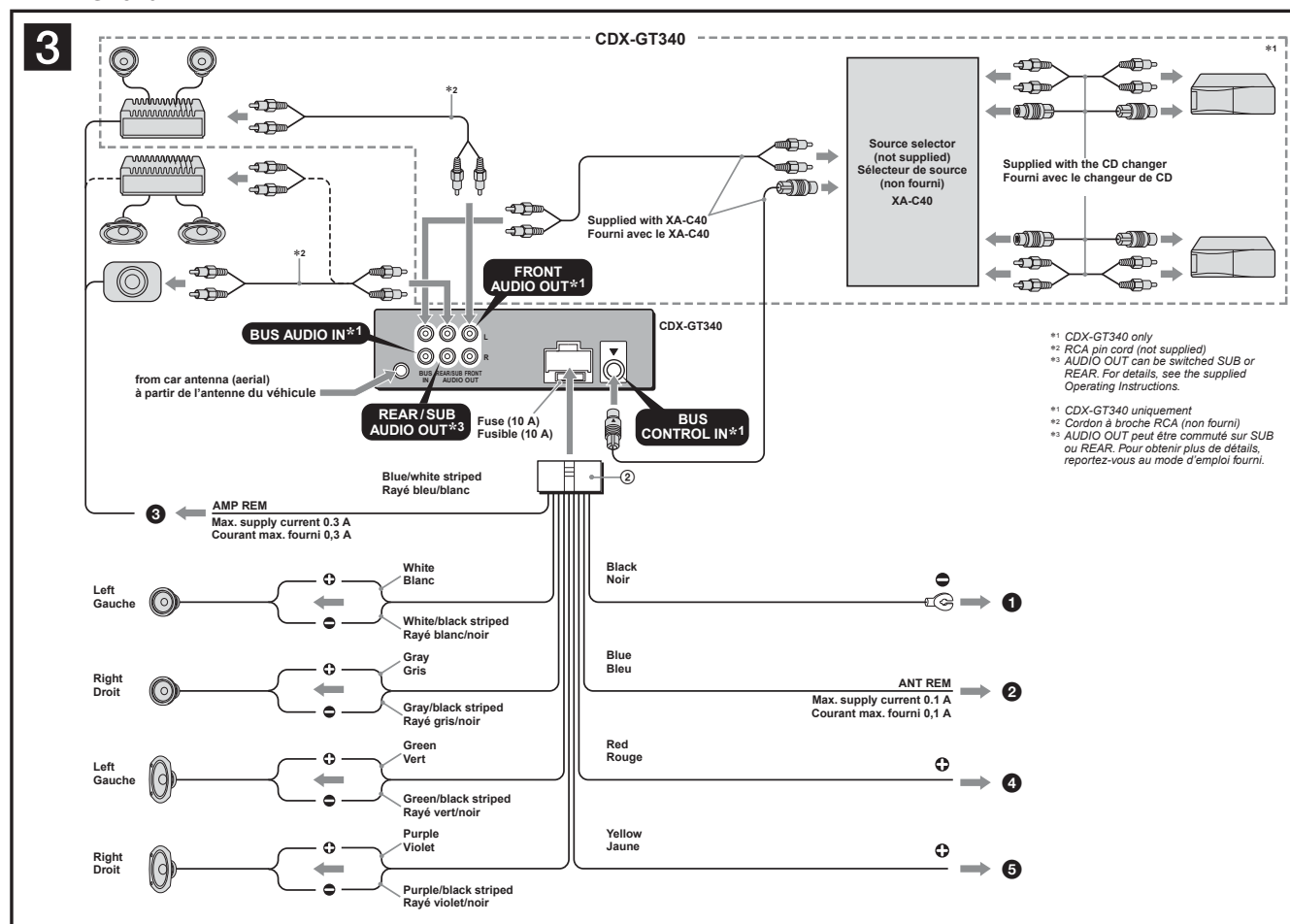
- Antes de conectar los altavoces, desconecte la alimentación de la unidad.
- Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.
- No conecte los terminales de altavoz al chasis del automóvil, ni conecte los terminales del altavoz derecho con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

Nota sobre la conexión

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

CDX-GT34W/GT340

• CDX-GT340



Connection diagram 3

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

- The power antenna (aerial) control lead (blue) supplies +12 V DC when you turn on the tuner.
- When your car has built-in FM/AM antenna (aerial) in the rear/side glass, connect the power antenna (aerial) control lead (blue) 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.

Schéma de raccordement 3

- 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.
- 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.
- 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 ».
- 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 de commande d'antenne électrique (bleu) fournit une alimentation de +12 V CC lorsque vous mettez la radio sous tension.
- Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne électrique (bleu) 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

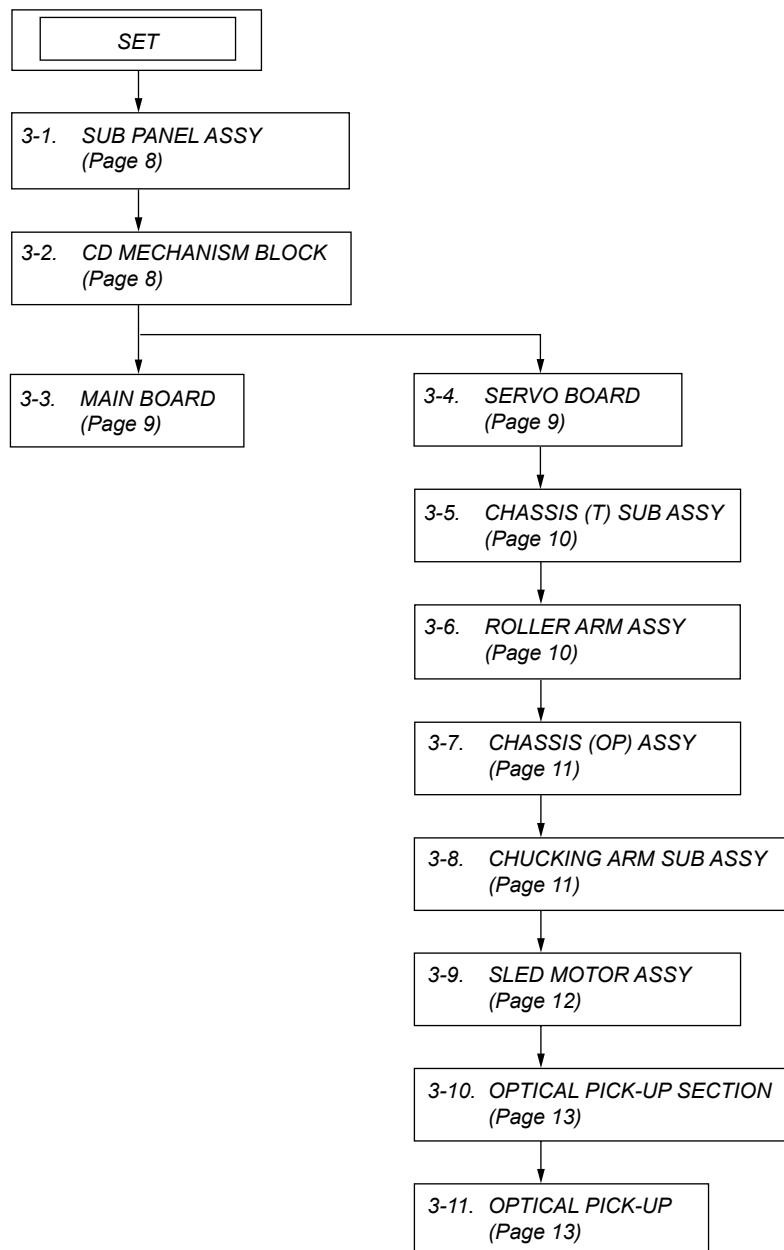
- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
- Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.
- Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes 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 cordons 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.

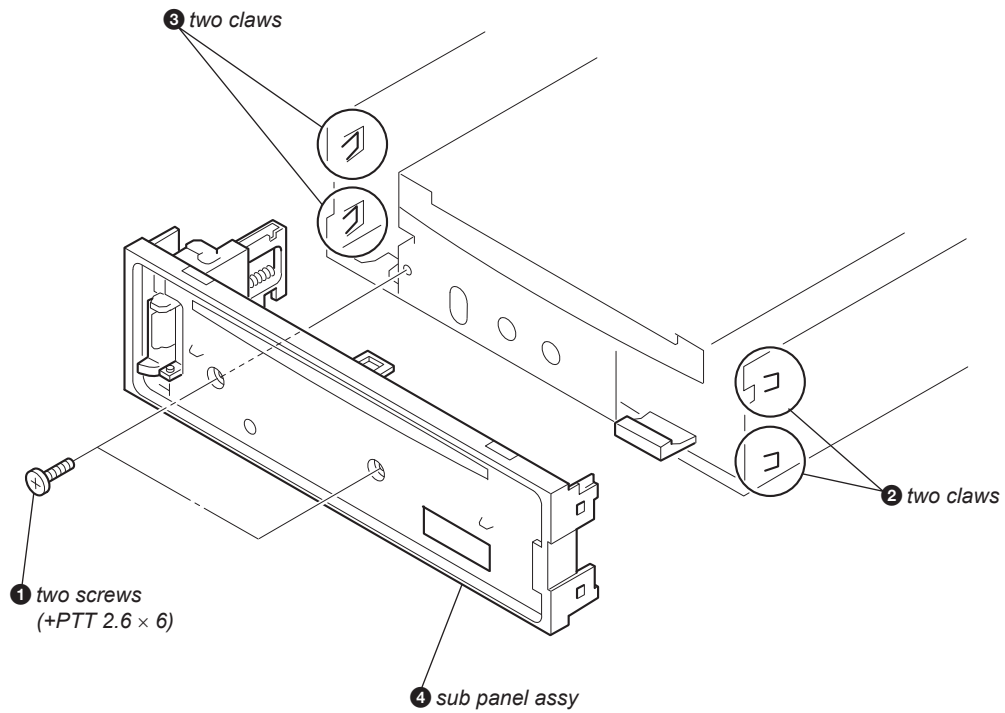
SECTION 3 DISASSEMBLY

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

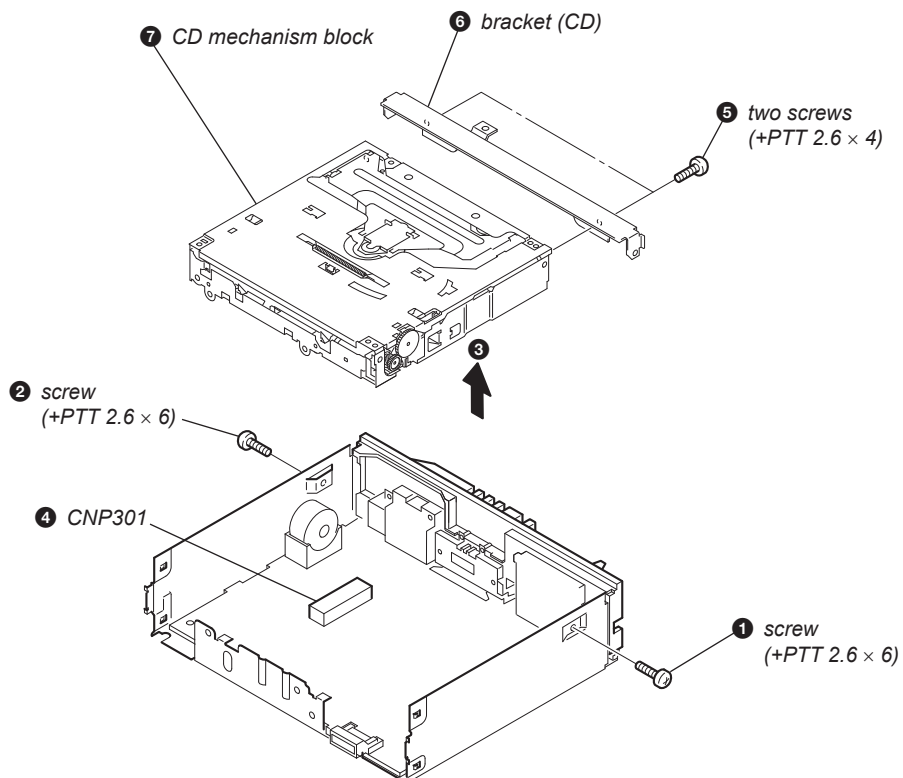


Note: Follow the disassembly procedure in the numerical order given.

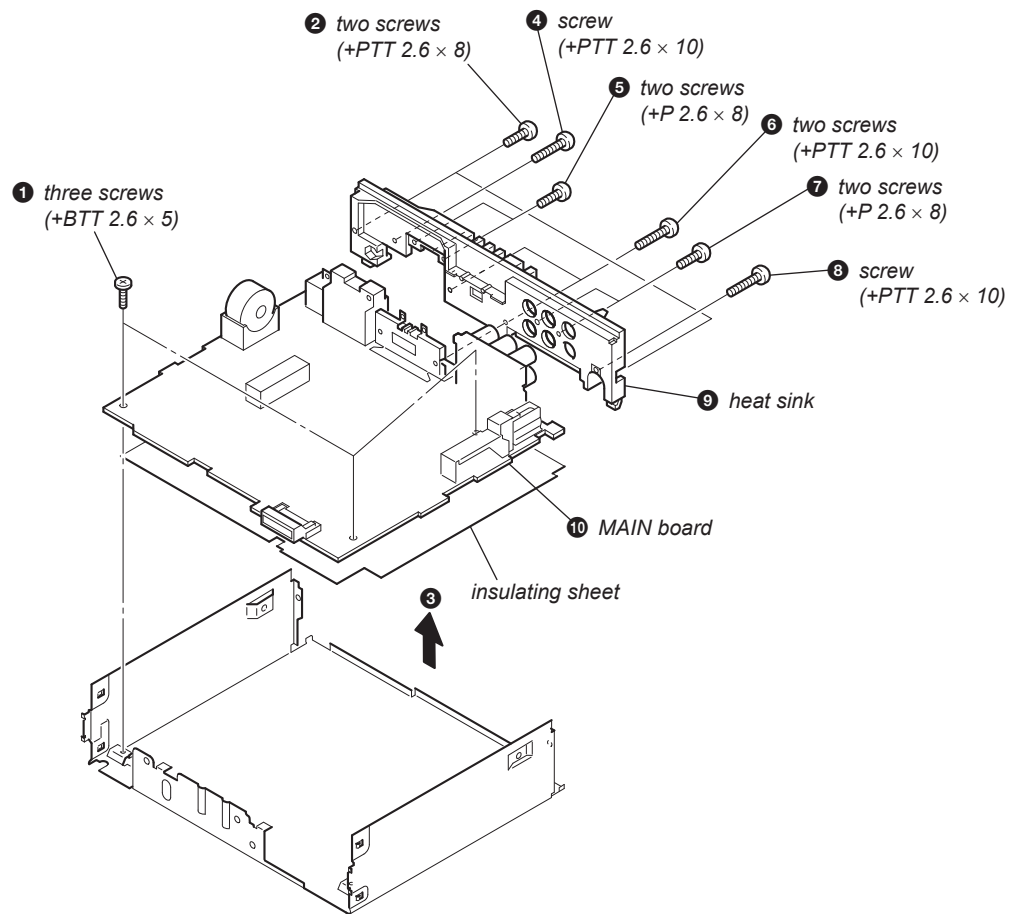
3-1. SUB PANEL ASSY



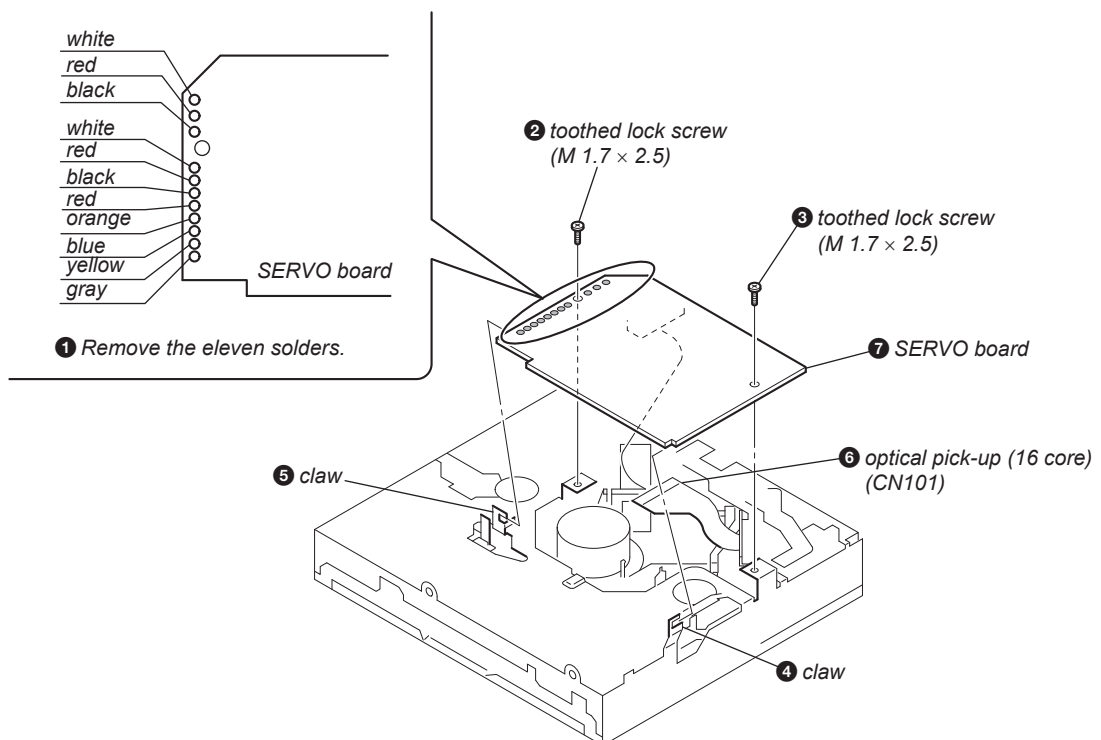
3-2. CD MECHANISM BLOCK



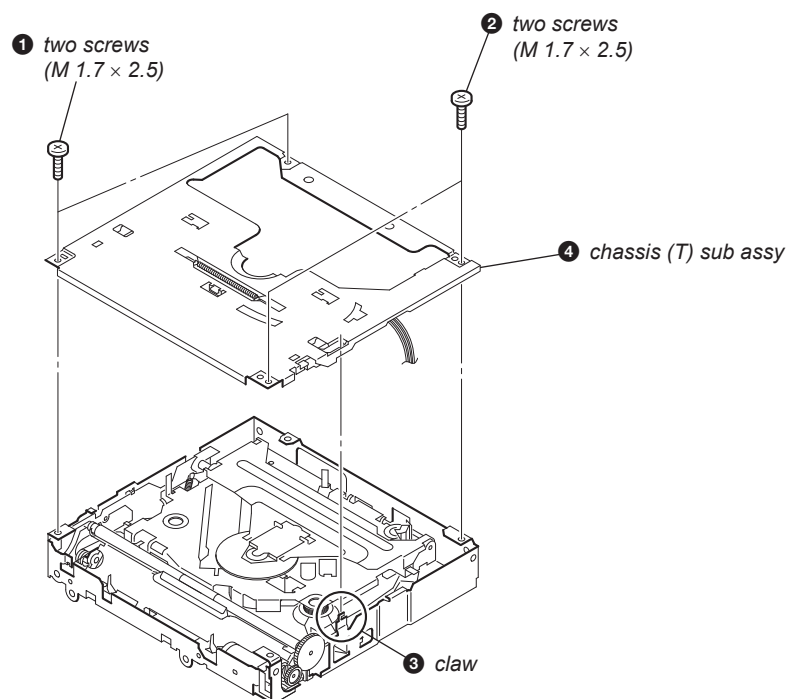
3-3. MAIN BOARD



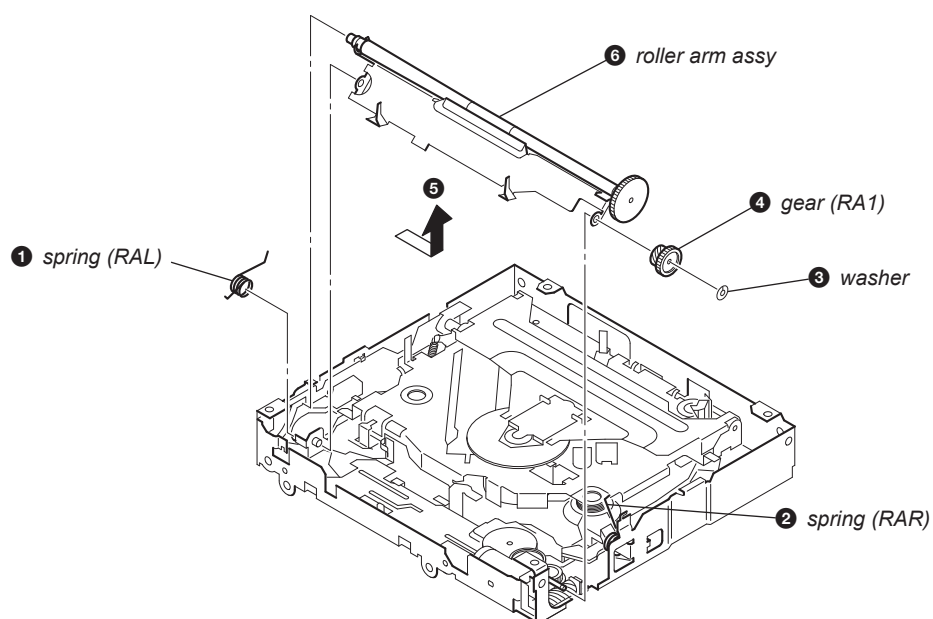
3-4. SERVO BOARD



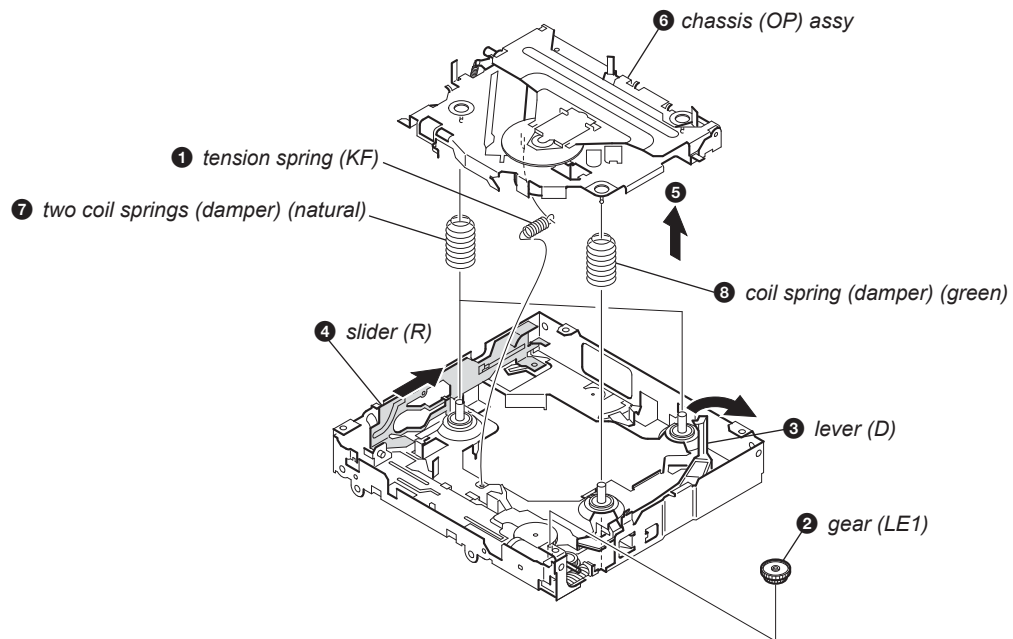
3-5. CHASSIS (T) SUB ASSY



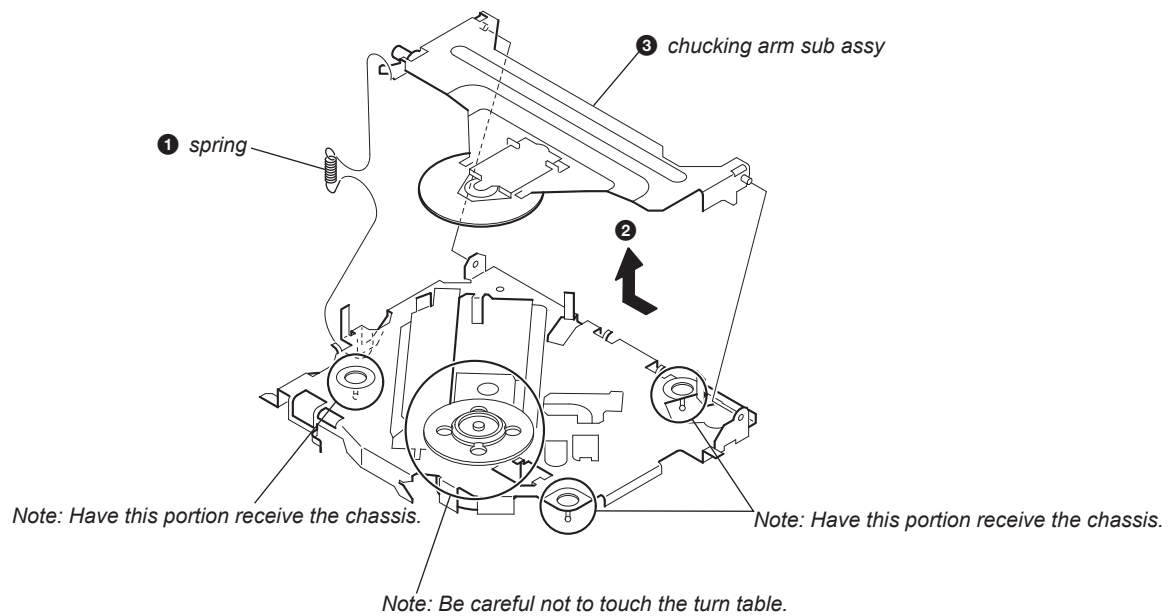
3-6. ROLLER ARM ASSY



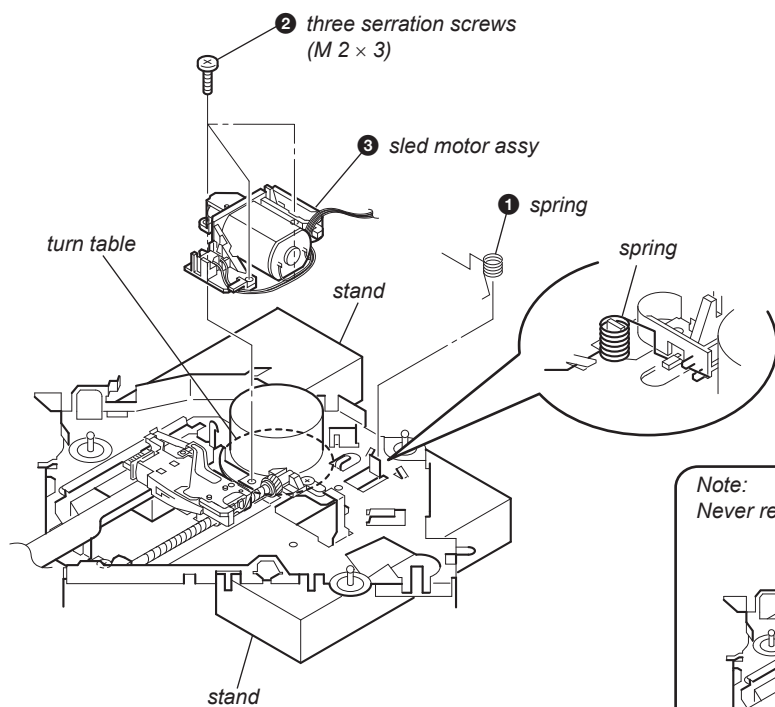
3-7. CHASSIS (OP) ASSY



3-8. CHUCKING ARM SUB ASSY

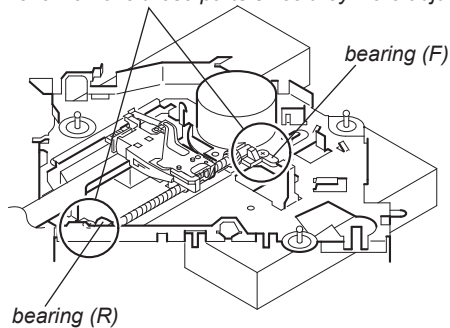


3-9. SLED MOTOR ASSY

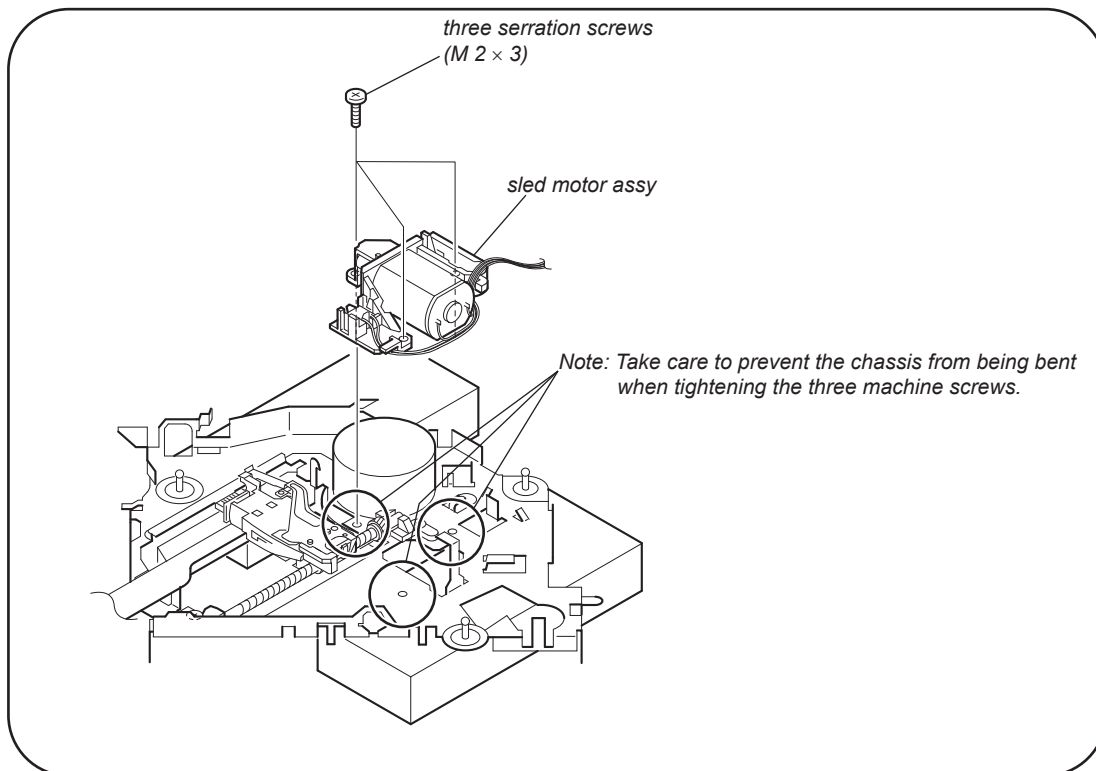


Note: Place the stand with care not to touch the turn table.

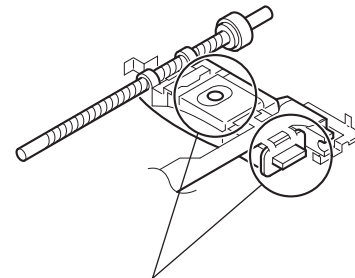
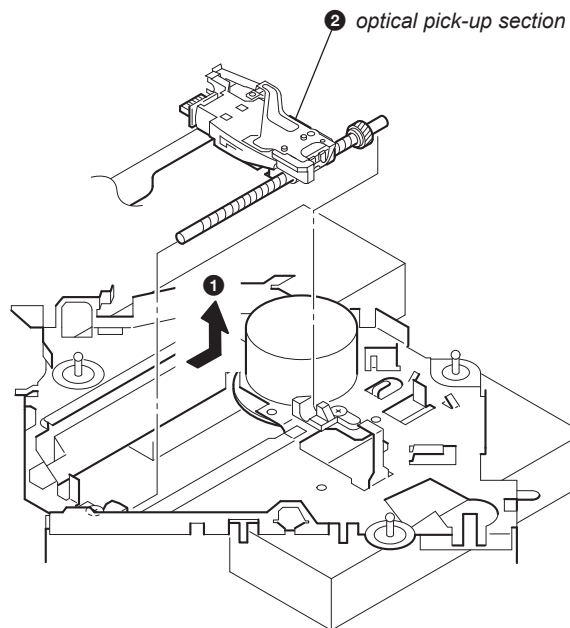
Note:
Never remove these parts since they were adjusted.



Note for Assembly

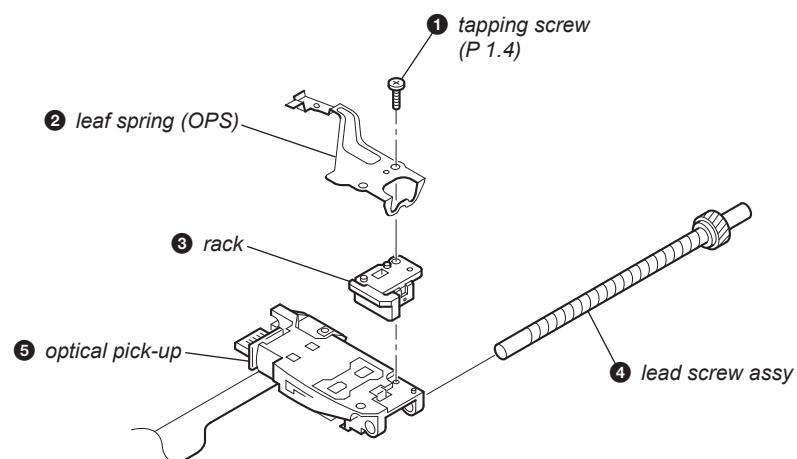


3-10. OPTICAL PICK-UP SECTION



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

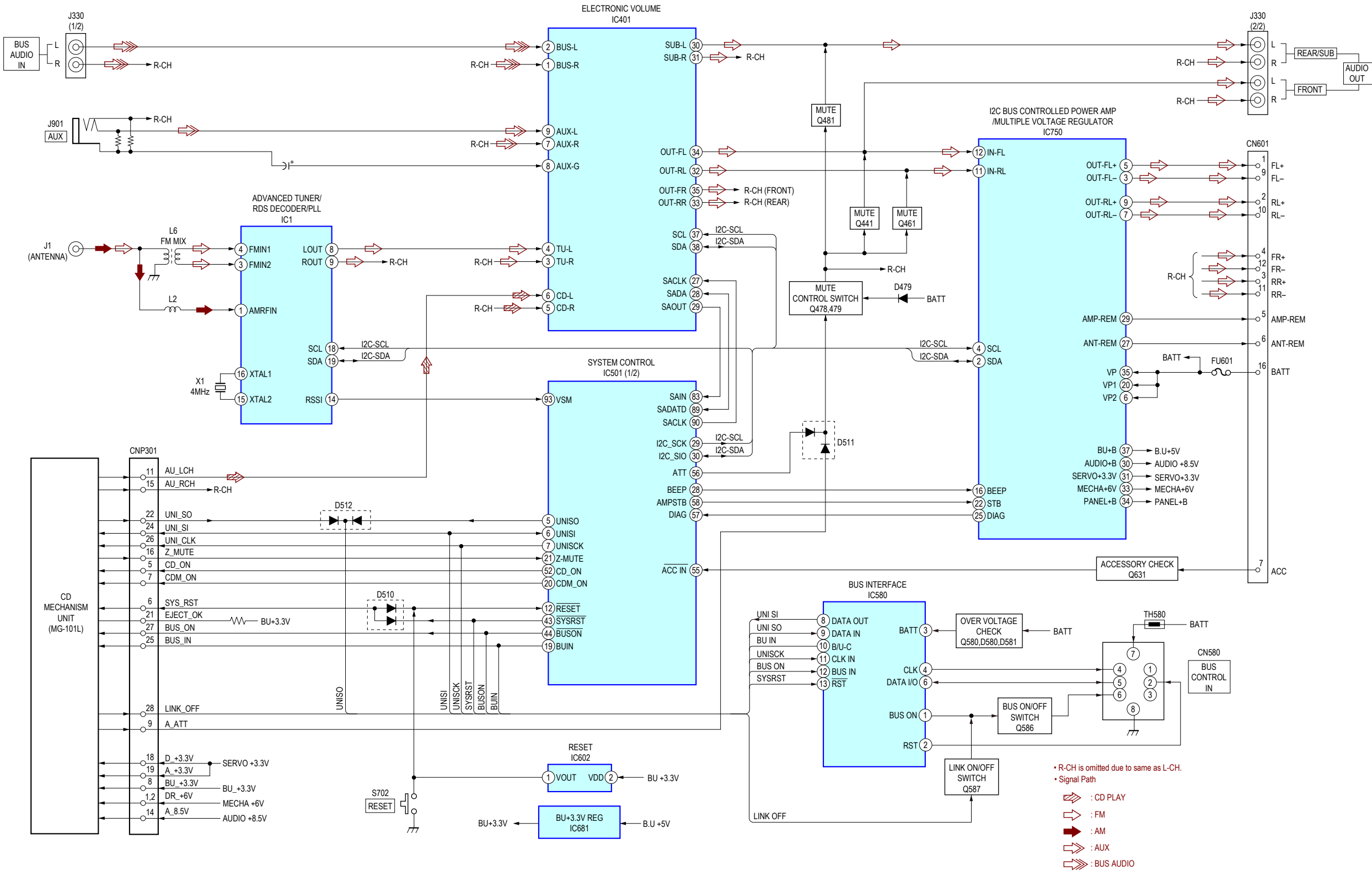
3-11. OPTICAL PICK-UP



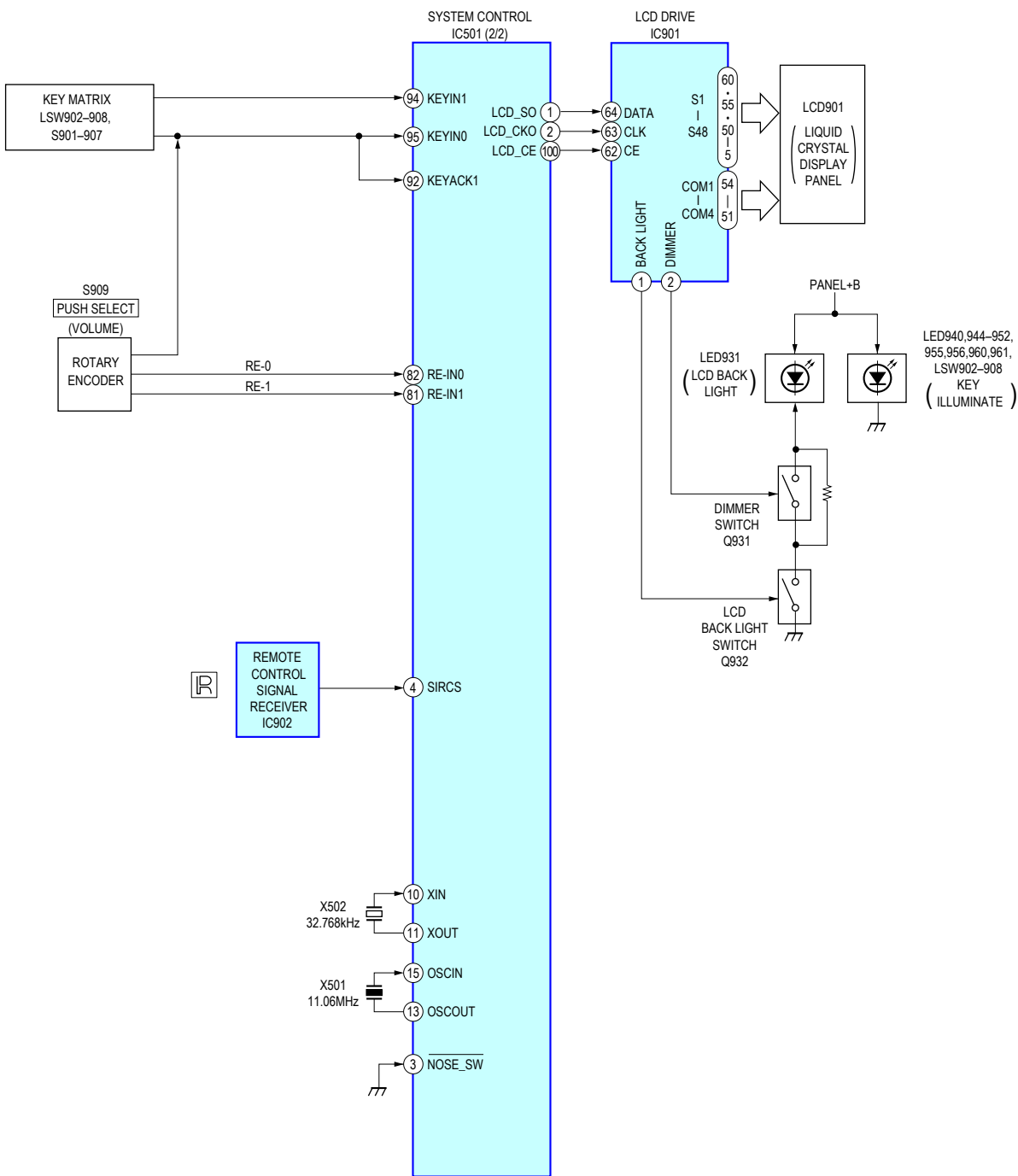
MEMO

SECTION 4
DIAGRAMS

4-1. BLOCK DIAGRAM – MAIN Section –



4-2. BLOCK DIAGRAM – DISPLAY 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:

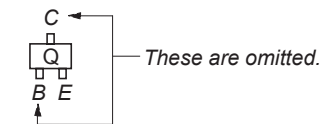
- — : Parts extracted from the component side.
- ○ : Through hole.
- ■ : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:

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

Parts face 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.
- Δ : Internal component.
- : Panel designation.

Note:

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

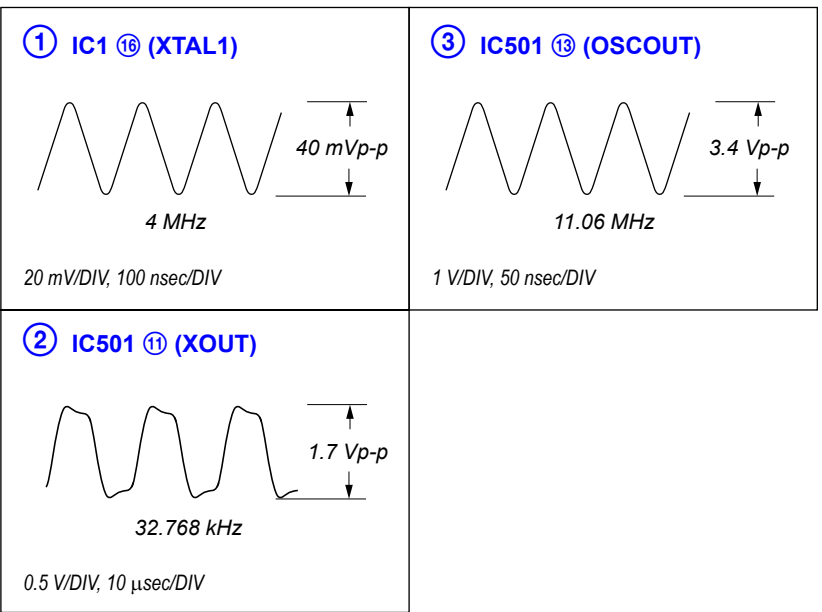
Note:

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

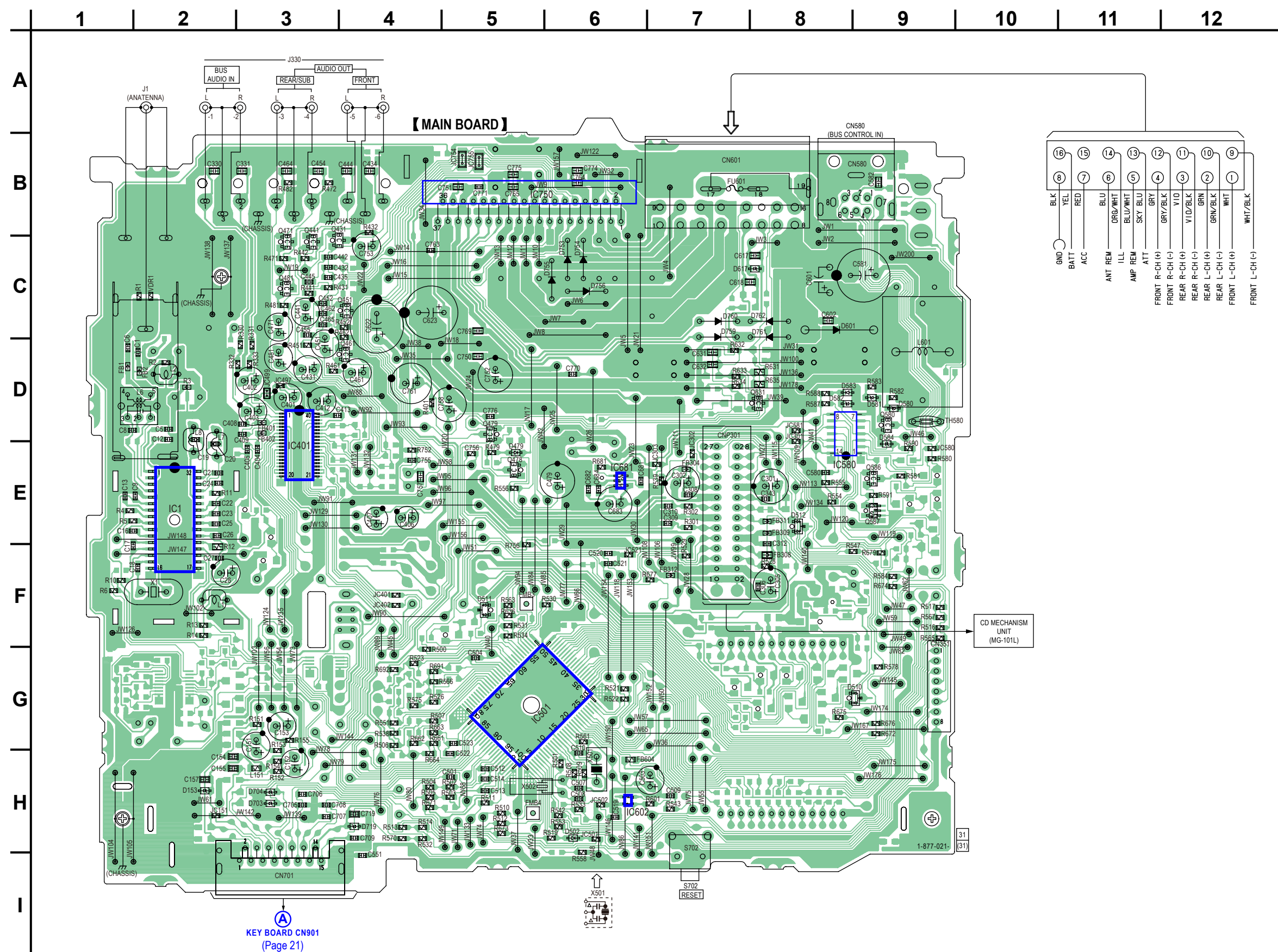
-  : B+ Line.
-  : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark: FM
(): AM
<  >: CD PLAY
- Voltages are taken with VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 : CD PLAY
 : FM
 : AM
 : AUX
 : BUS AUDIO

- **Waveforms**

– MAIN Board –



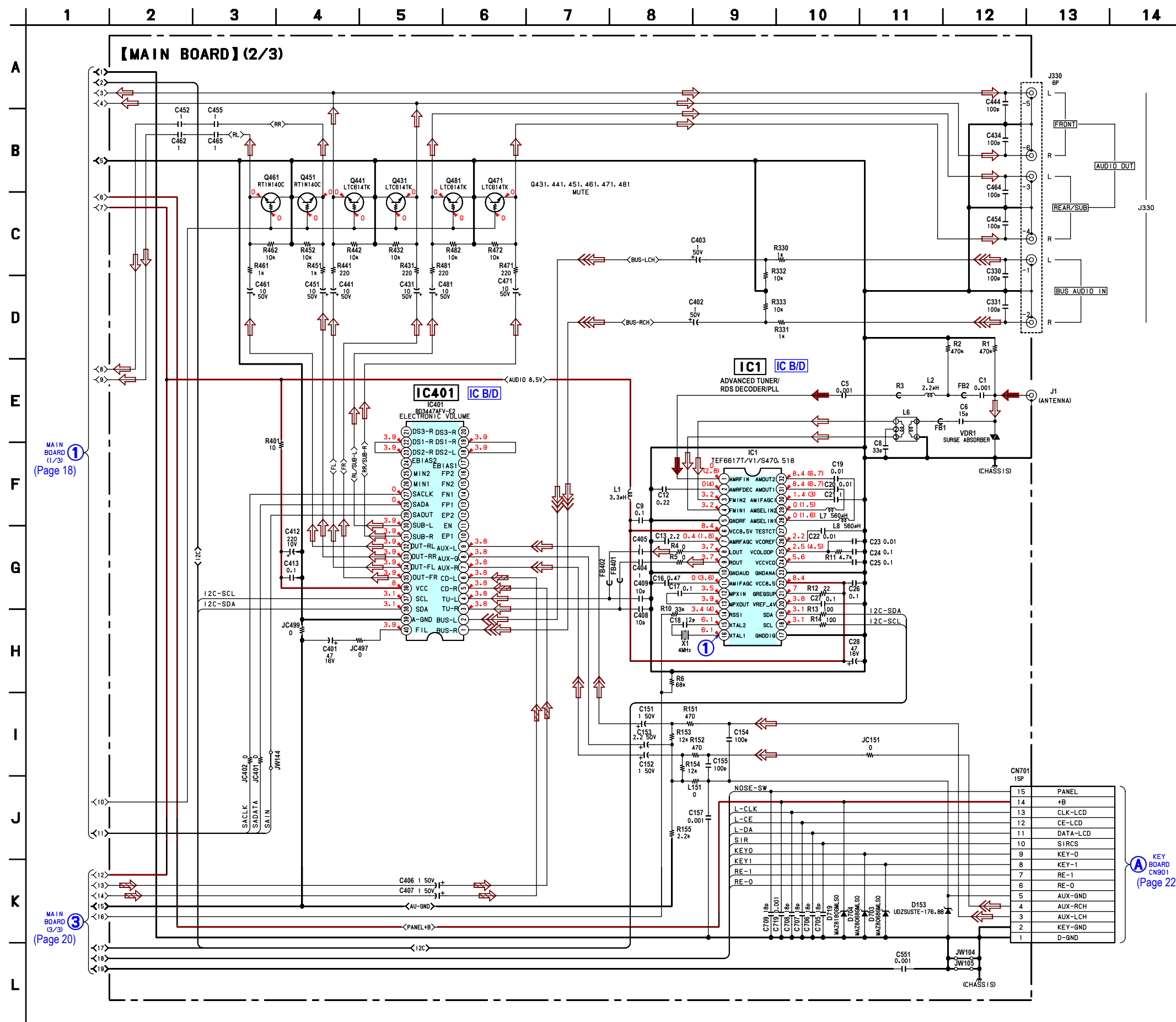
4-3. PRINTED WIRING BOARD – MAIN Section – • : Uses unleaded solder.



18



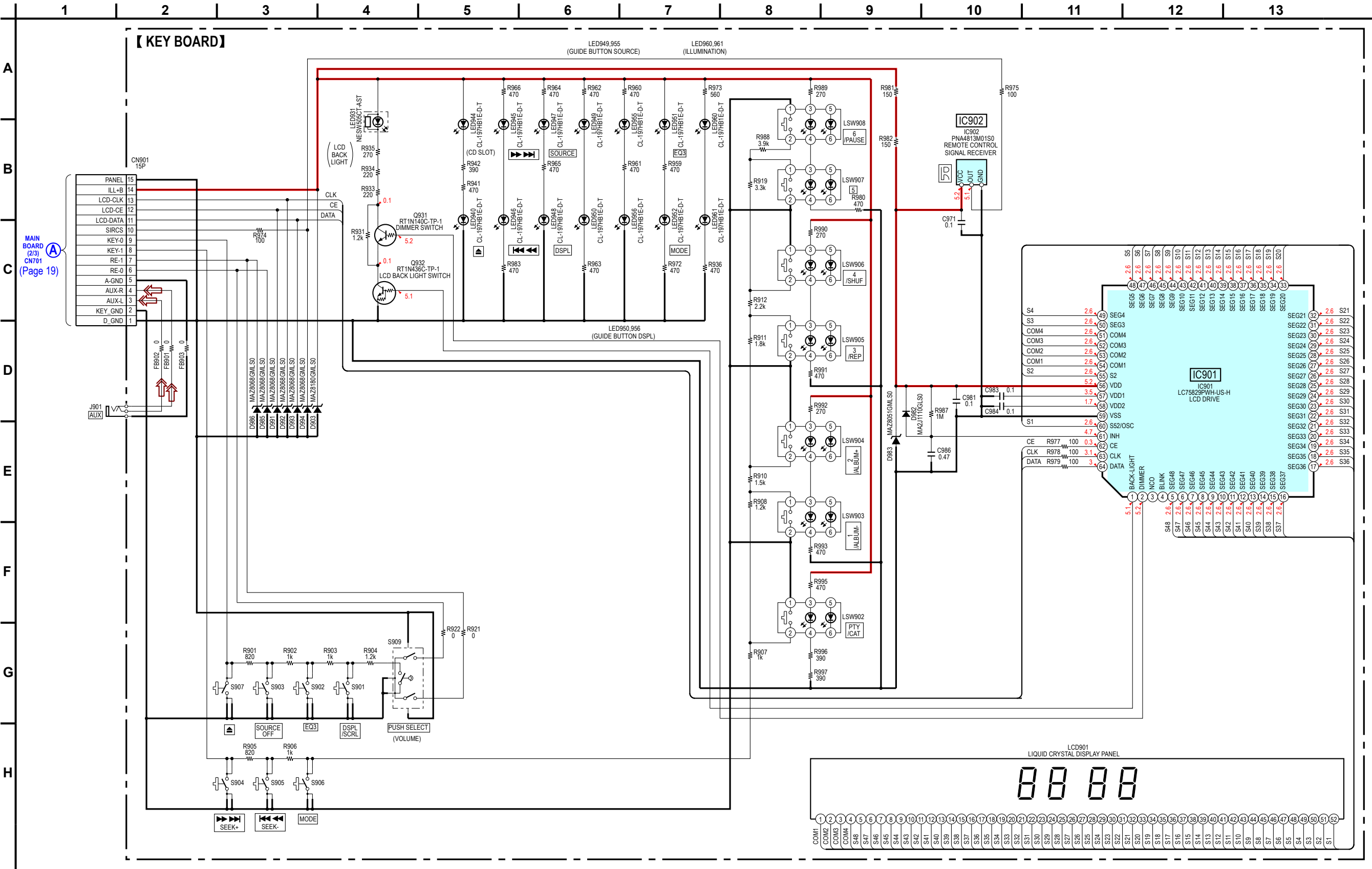
4-5. SCHEMATIC DIAGRAM – MAIN Section (2/3) – • See page 16 for waveform. • See page 24 for IC Block Diagrams.



20 20

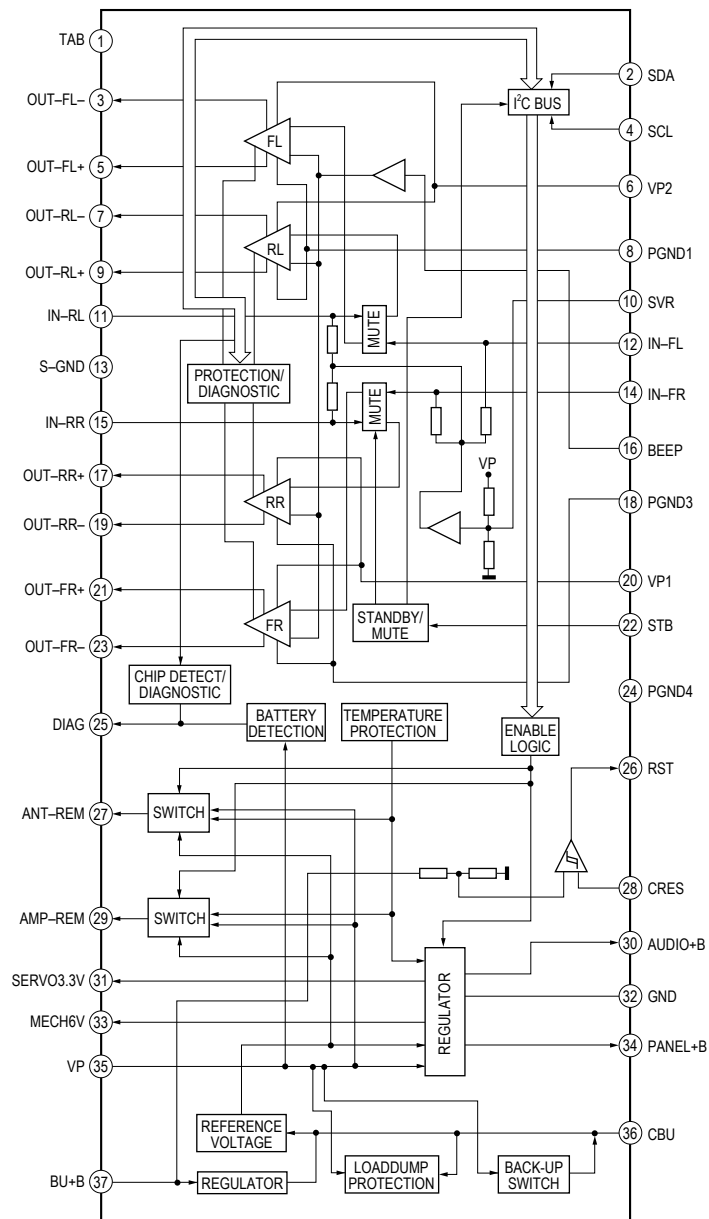


4-8. SCHEMATIC DIAGRAM – KEY Section –

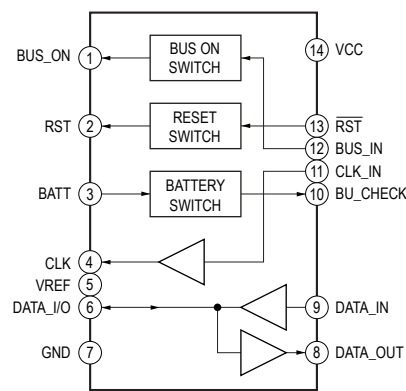


- IC Block Diagrams

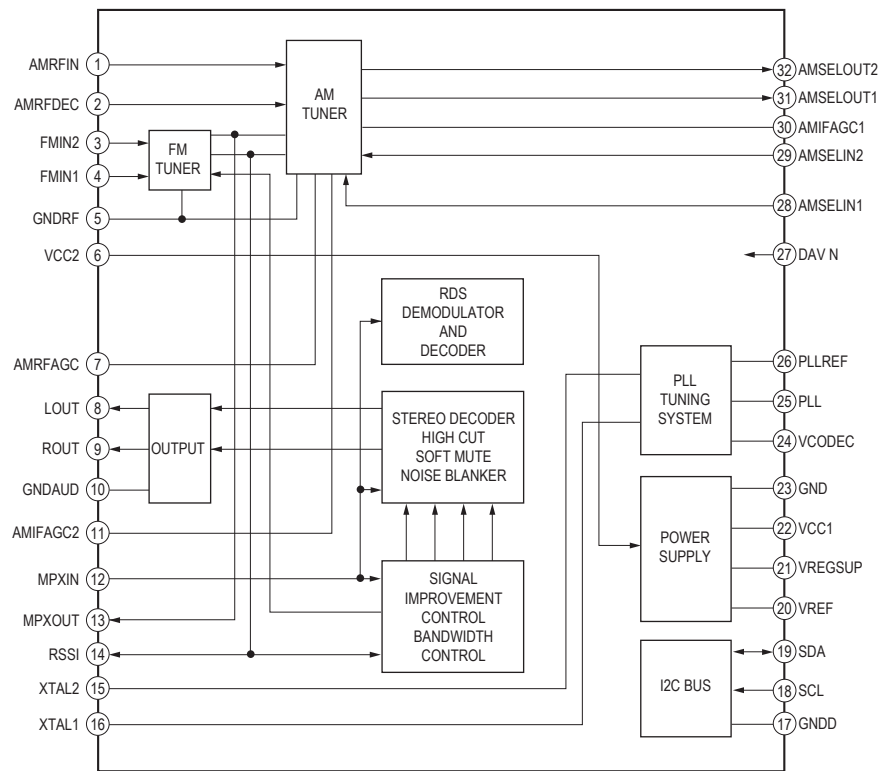
IC750 TDA8588AJ/N2/R1 (MAIN Board (1/3))



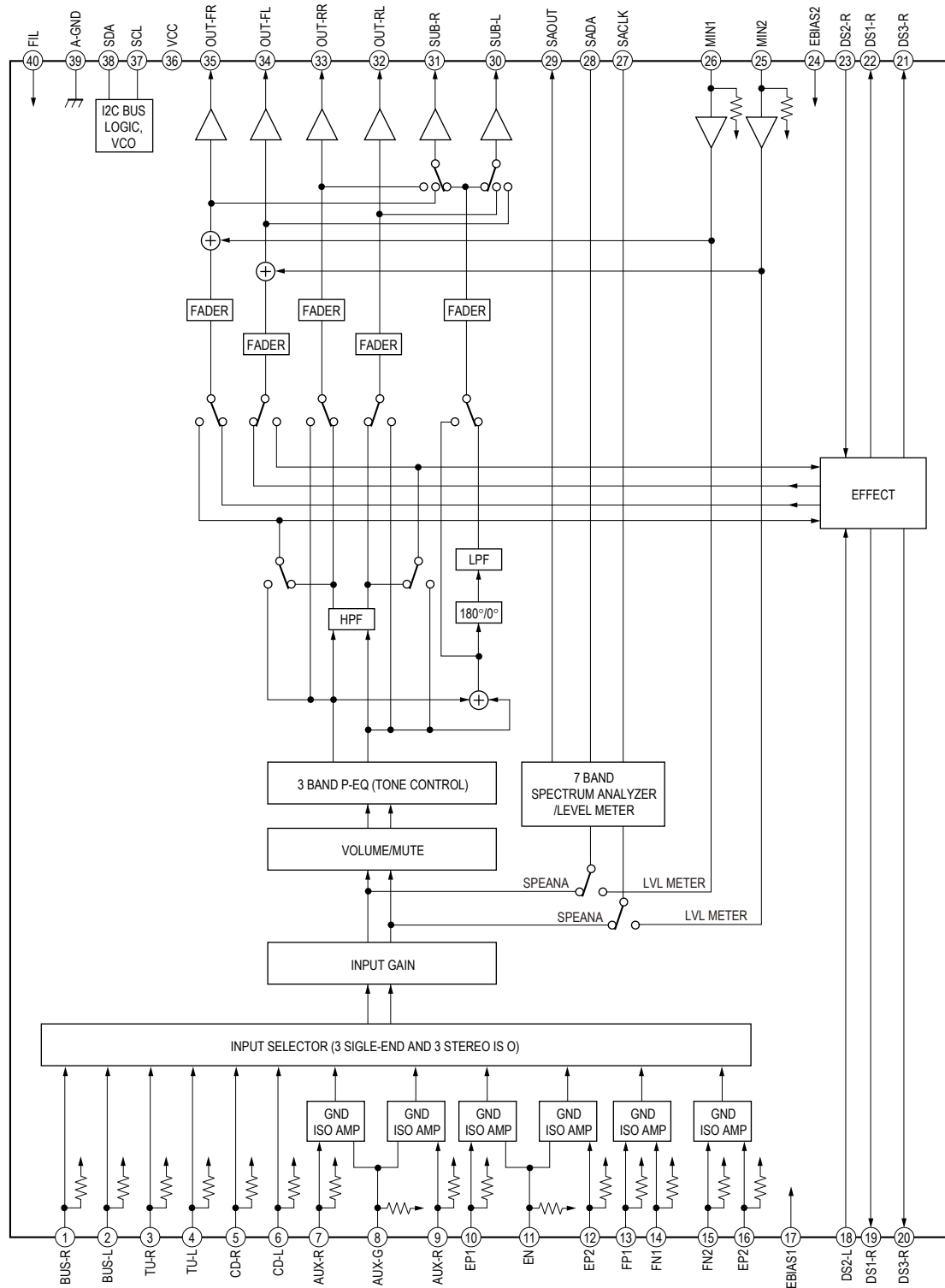
IC580 BA8271F-E2 (MAIN Board (1/3))



IC1 TEF6617T/V1/S470,518 (MAIN Board (2/3))



IC401 BD3447AFV-E2 (MAIN Board (2/3))



• IC Pin Function Description

MAIN BOARD IC501 R5F3640DDA15FA (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	LCD SO	O	Liquid crystal display panel serial data signal output
2	LCD CKO	O	Liquid crystal display panel serial clock signal output
3	NOSE SW	I	Front Panel detach/attach detect signal input "L": With panel
4	SIRCS	I	Remote control signal input
5	UNISO	O	SONY BUS serial data signal output
6	UNISI	I	SONY BUS serial data signal input
7	UNISCK	O	SONY BUS serial clock signal output
8	BYTE	I	Connect to ground.
9	CNVSS	I	Flash write signal input Normally operation: "L", Flash write: "H"
10	XIN	I	Low speed operation clock signal input (32.768kHz)
11	XOUT	O	Low speed operation clock signal output (32.768kHz)
12	RESET	I	Reset signal input
13	OSCO	O	High speed operation clock signal output (11.06MHz)
14	VSS	—	Ground pin
15	OSCIN	I	High speed operation clock signal input (11.06MHz)
16	VCC1	—	Power supply pin (+3.3V)
17	NMI	I	External pull up pin (fixed at "H".)
18	EQ SEL	O	Not used. (fixed at "L".)
19	BUIN	I	Back up power supply detection signal input
20	CDM ON	I	CD mechanism deck power supply control request signal input
21	Z MUTE	I	Mute signal input
22 to 27	NCO	O	Not used. (Open)
28	BEEP	O	Beep signal output to power amplifier
29	I2C SCK	O	I2C serial clock signal output
30	I2C SIO	I/O	I2C serial data signal input/output
31	FW TXD	O	Flash write interface serial data signal output
32	FW RXD	I	Flash write interface serial data signal input
33	FW CLK	I	Flash write interface serial clock signal input
34	FW BUSY	O	Flash write interface serial busy signal output
35 to 40	NCO	O	Not used. (Open)
41	EPM	O	EPM signal output (Connect to ground.)
42	RC IN1	I	Rotary commander shift key signal input Not used.
43	SYSRST	O	System reset signal output
44	BUSON	O	BUS ON signal output
45	NCO	O	Not used. (Open)
46	CE	O	CE signal output
47 to 51	NCO	O	Not used. (Open)
52	CD ON	I	CD mechanism servo power supply control request signal input
53	TESTIN	I	Test mode detection signal input Not used.
54	TELATT	I	Telephone attenuate detection signal input Not used.
55	ACC IN	I	Accessory power supply detection signal input
56	ATT	O	Audio mute control signal output
57	DIAG	I	Power amplifier status signal input
58	AMPSTB	O	Standby signal output to power regulator IC
59	NCO	O	Not used. (Open)
60	NCO/BT AUDIO SEL	O	Not used. (Open)
61	NCO	O	Not used.
62	VCC2	—	Power supply pin (+3.3V)
63	COL SEL/NCO	O	Not used.
64	VSS	—	Ground pin
65	ILLUMI SEL	I	Illumination voltage setting signal input for panel
66	DEMO SEL	I	DEMO select signal input "H": DEMO on
67	DIM SEL	I	Dimmer function setting signal input "L": No dimmer
68	B OUT SEL	I	Black out setting signal input "L": No block out
69	AREASEL 3	I	Destination setting pin 3
70	AREASEL 2	I	Destination setting pin 2

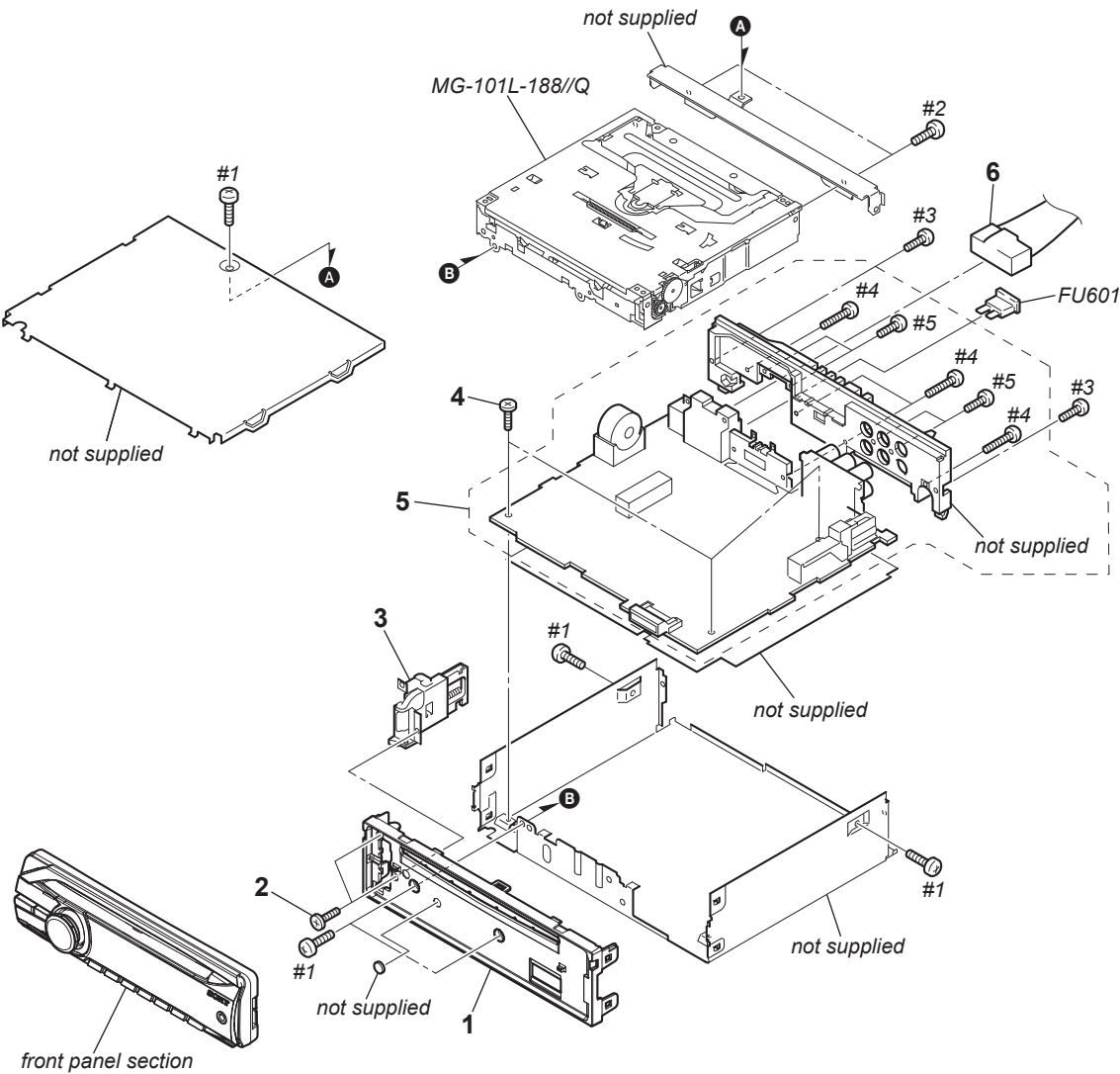
Pin No.	Pin Name	I/O	Description
71	AREASEL 1	I	Destination setting pin 1
72	AREASEL 0	I	Destination setting pin 0
73 to 80	NCO	O	Not used. (Open)
81	RE IN1	I	Rotary encoder signal input 1
82	RE IN0	I	Rotary encoder signal input 0
83	NCO/SA IN	I	Serial data signal input to electronic volume spectrum analyzer
84	CYRIL SEL	I	Cyril correspondence discrimination signal input "H": Correspondence, "L": No correspondence
85 to 88	NCO	O	Not used. (Open)
89	NCO/SADATD	O	Serial data signal output to electronic volume spectrum analyzer
90	NCO/SACLK	O	Serial clock signal output to electronic volume spectrum analyzer
91	KEYACK0	I	Key Acknowledge detection signal input (Rotary command signal input) Not used.
92	KEYACK1	I	Key Acknowledge detection signal input (Front panel signal input)
93	VSM	I	S meter voltage detection signal input
94	KEYIN1	I	Key signal input 1
95	KEYIN0	I	Key signal input 0
96	AVSS	—	Ground pin for A/D converter
97	RC IN0	I	Rotary commander key signal input Not used.
98	AVRH	—	A/D converter external reference power supply pin (+3.3V)
99	AVDD	—	A/D converter power supply pin (+3.3V)
100	LCD CE	O	Liquid crystal display panel chip enable signal output

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
 - Accessories are given in the last of the electrical parts list.
- The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

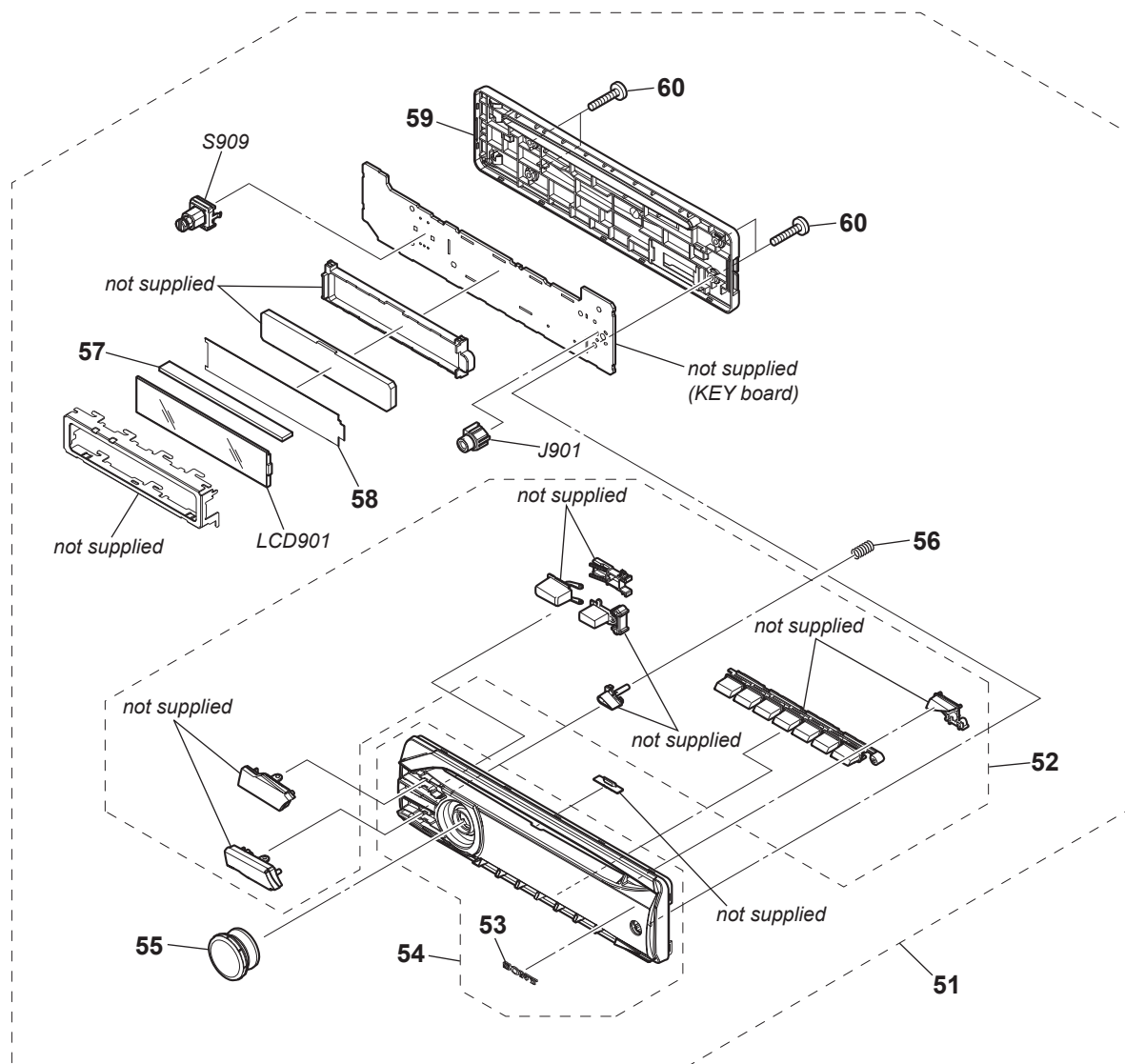
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. MAIN SECTION



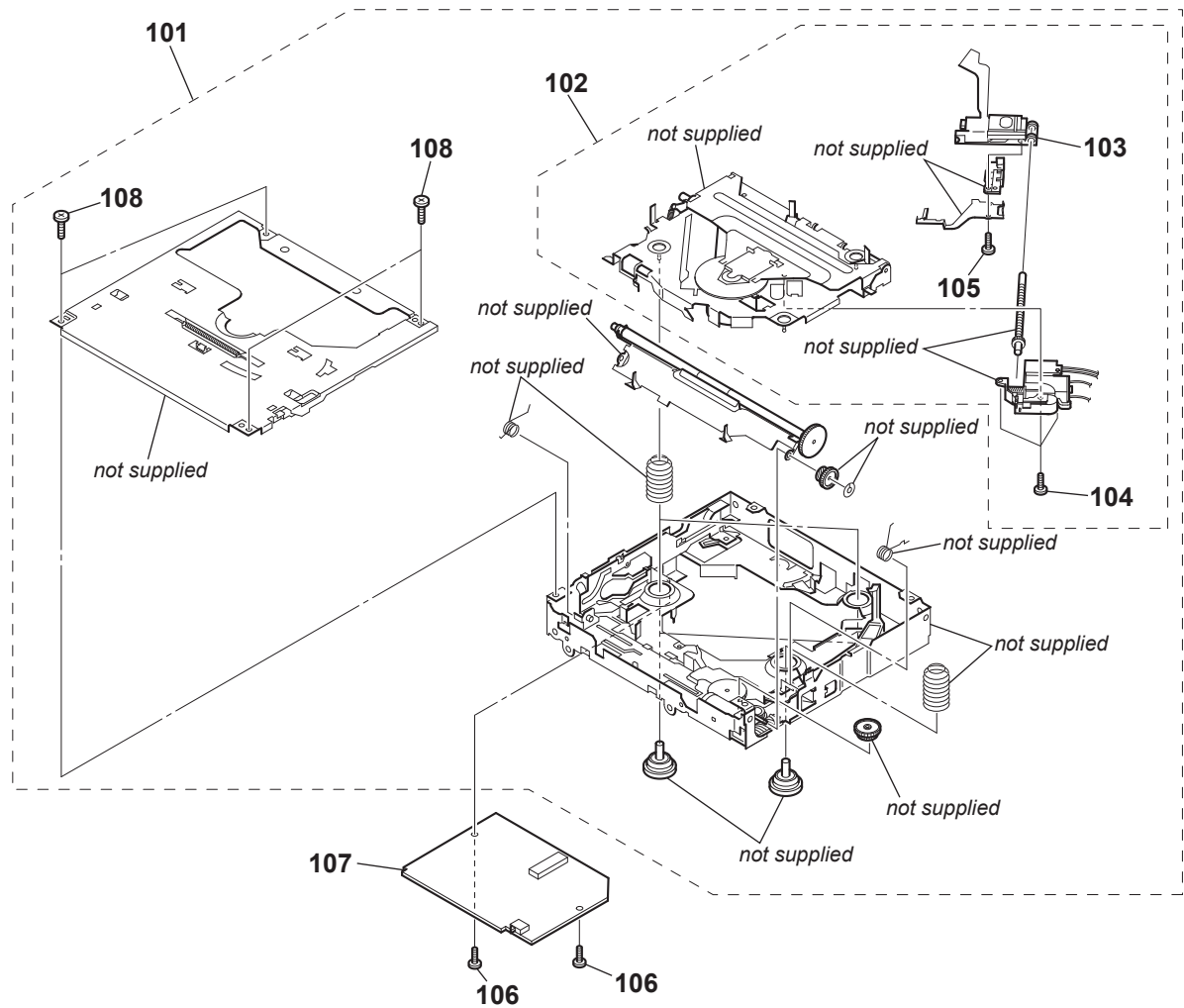
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-2514-277-1	PANEL ASSY, SUB		FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
2	3-042-244-11	SCREW (T)		#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
3	X-2179-399-1	LOCK ASSY (S)		#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
4	2-050-124-01	SCREW +BTT 2.6X5		#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	
5	A-1731-287-A	MAIN BOARD, COMPLETE		#4	7-685-794-09	SCREW +PTT 2.6X10 (S)	
6	1-833-974-21	CONNECTION CORD FOR AUTOMOBILE (POWER)		#5	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	

5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	A-1731-290-A	PANEL COMPLETE ASSY, FRONT (GT34W)		57	1-780-789-11	CONDUCTIVE BOARD, CONNECTION	
51	A-1732-175-A	PANEL COMPLETE ASSY, FRONT (GT340)		58	4-144-557-01	ILLUMINATOR (LCD)	
52	X-2349-669-1	BUTTON ASSY (S)		59	4-144-543-01	PANEL, BACK	
53	3-251-320-01	EMBLEM (NO. 2.5), SONY		60	3-250-543-21	SCREW (+B P-TITE M2)	
54	X-2514-364-1	PANEL (SV) ASSY, FRONT (GT34W)		J901	1-822-148-11	SMALL TYPE JACK (VERTICAL) (AUX)	
54	X-2514-365-1	PANEL (SV) ASSY, FRONT (GT340)		LCD901	1-802-952-11	DISPLAY PANEL, LIQUID CRYSTAL	
55	X-2349-670-1	KNOB (VOL) (SV) ASSY		S909	1-479-902-32	ENCODER, ROTARY (PUSH SELECT/VOLUME)	
56	2-639-881-01	SPRING (RELEASE)					

5-3. CD MECHANISM SECTION
(MG-101L-188//Q)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-1539-598-A	MECHANICAL BLOCK ASSY (08TC)		105	3-686-458-21	SCREW (P1.4), TAPPING	
102	A-1284-705-A	DAXEV08//Q		106	3-352-758-31	SCREW (M1.7X2.5), TOOTHED LOCK	
△ 103	X-2149-672-1	SERVICE ASSY, OP (DAX-25A)		107	A-1552-122-A	SERVO BOARD, COMPLETE	
104	2-626-869-31	SCREW (M2X3), SERRATION		108	2-134-636-71	SCREW (M1.7X2.5)	

CDX-GT34W/GT340

KEY MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R933	1-216-813-11	METAL CHIP	220	5%	1/10W	C17	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R934	1-216-813-11	METAL CHIP	220	5%	1/10W	C18	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
R935	1-216-814-11	METAL CHIP	270	5%	1/10W	C19	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R936	1-216-817-11	METAL CHIP	470	5%	1/10W	C20	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R941	1-216-817-11	METAL CHIP	470	5%	1/10W	C21	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
R942	1-216-816-11	METAL CHIP	390	5%	1/10W	C22	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R959	1-216-817-11	METAL CHIP	470	5%	1/10W	C23	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R960	1-216-817-11	METAL CHIP	470	5%	1/10W	C24	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R961	1-216-817-11	METAL CHIP	470	5%	1/10W	C25	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R962	1-216-817-11	METAL CHIP	470	5%	1/10W	C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R963	1-216-817-11	METAL CHIP	470	5%	1/10W	C27	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R964	1-216-817-11	METAL CHIP	470	5%	1/10W	C28	1-126-947-11	ELECT	47uF	20%	35V
R965	1-216-817-11	METAL CHIP	470	5%	1/10W	C151	1-126-960-11	ELECT	1uF	20%	50V
R966	1-216-817-11	METAL CHIP	470	5%	1/10W	C152	1-126-960-11	ELECT	1uF	20%	50V
R972	1-216-817-11	METAL CHIP	470	5%	1/10W	C153	1-126-961-11	ELECT	2.2uF	20%	50V
R973	1-216-818-11	METAL CHIP	560	5%	1/10W	C154	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R974	1-216-809-11	METAL CHIP	100	5%	1/10W	C155	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R975	1-216-809-11	METAL CHIP	100	5%	1/10W	C157	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R977	1-216-809-11	METAL CHIP	100	5%	1/10W	C301	1-124-248-00	ELECT	22uF	20%	25V
R978	1-216-809-11	METAL CHIP	100	5%	1/10W	C302	1-124-584-00	ELECT	100uF	20%	10V
R979	1-216-809-11	METAL CHIP	100	5%	1/10W	C305	1-124-584-00	ELECT	100uF	20%	10V
R980	1-216-817-11	METAL CHIP	470	5%	1/10W	C306	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R981	1-216-811-11	METAL CHIP	150	5%	1/10W	C308	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R982	1-216-811-11	METAL CHIP	150	5%	1/10W	C309	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
R983	1-216-817-11	METAL CHIP	470	5%	1/10W	C310	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
R987	1-216-857-11	METAL CHIP	1M	5%	1/10W	C312	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R988	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	C330	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R989	1-216-814-11	METAL CHIP	270	5%	1/10W	C331	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R990	1-216-814-11	METAL CHIP	270	5%	1/10W	C343	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R991	1-216-817-11	METAL CHIP	470	5%	1/10W	C401	1-126-947-11	ELECT	47uF	20%	35V
R992	1-216-814-11	METAL CHIP	270	5%	1/10W	C402	1-126-960-11	ELECT	1uF	20%	50V
R993	1-216-817-11	METAL CHIP	470	5%	1/10W	C403	1-126-960-11	ELECT	1uF	20%	50V
R995	1-216-817-11	METAL CHIP	470	5%	1/10W	C404	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
R996	1-216-816-11	METAL CHIP	390	5%	1/10W	C405	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
R997	1-216-816-11	METAL CHIP	390	5%	1/10W	C406	1-126-160-11	ELECT	1uF	20%	50V
< SWITCH >						C407	1-126-160-11	ELECT	1uF	20%	50V
S901	1-798-284-11	SWITCH, TACTILE (DSPL/SCRL)	C408 1-162-915-11 CERAMIC CHIP 10PF 0.5PF 50V								
S902	1-798-284-11	SWITCH, TACTILE (EQ3)	C409 1-162-915-11 CERAMIC CHIP 10PF 0.5PF 50V								
S903	1-798-284-11	SWITCH, TACTILE (SOURCE/OFF)	C412 1-126-934-11 ELECT 220uF 20% 16V								
S904	1-798-284-11	SWITCH, TACTILE (▶▶▶▶ SEEK+)	C413 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V								
S905	1-798-284-11	SWITCH, TACTILE (◀◀◀◀ SEEK-)	C431 1-126-964-11 ELECT 10uF 20% 50V								
S906	1-798-284-11	SWITCH, TACTILE (MODE)	C432 1-165-908-11 CERAMIC CHIP 1uF 10% 10V								
S907	1-798-284-11	SWITCH, TACTILE (▲)	C434 1-163-251-11 CERAMIC CHIP 100PF 5% 50V								
S909	1-479-902-32	ENCODER, ROTARY (PUSH SELECT/VOLUME)	C435 1-165-908-11 CERAMIC CHIP 1uF 10% 10V								
*****						C441	1-126-964-11	ELECT	10uF	20%	50V
A-1731-287-A MAIN BOARD, COMPLETE						C442	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
*****						C444	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
7-685-134-19 SCREW +P 2.6X8 TYPE2 NON-SLIT						C445	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
7-685-794-09 SCREW +PTT 2.6X10 (S)						C451	1-126-964-11	ELECT	10uF	20%	50V
< CAPACITOR >						C452	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C454	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C5	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C455	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C6	1-162-917-11	CERAMIC CHIP	15PF	5%	50V	C461	1-126-964-11	ELECT	10uF	20%	50V
C8	1-162-921-11	CERAMIC CHIP	33PF	5%	50V	C462	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C9	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C464	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C12	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C465	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C13	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V	C471	1-126-964-11	ELECT	10uF	20%	50V
C16	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C479	1-124-589-11	ELECT	47uF	20%	16V
						C481	1-126-964-11	ELECT	10uF	20%	50V
						C501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C503	1-104-665-11	ELECT 100uF 20%	25V			< DIODE >	
C504	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	D153	8-719-978-33	DIODE DTZ-TT11-6.8B	
C507	1-162-917-11	CERAMIC CHIP 15PF 5%	50V	D479	6-501-817-01	DIODE MA2J1110GLS0	
C508	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	D502	6-502-131-01	DIODE LRB751V-40T1G	
C509	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V	D510	6-501-656-01	DIODE LBAT54ALT1G	
				D511	6-500-335-01	DIODE MC2838-T112-1	
C510	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V				
C512	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	D512	6-501-654-01	DIODE LBAT54CLT1G	
C513	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	D580	6-501-738-01	DIODE MAZ8062GMLS0	
C514	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	D581	6-501-782-01	DIODE MAZ8180GMLS0	
C519	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	D582	6-501-782-01	DIODE MAZ8180GMLS0	
				D583	8-719-072-70	DIODE MA2ZD14001S0	
C520	1-162-923-11	CERAMIC CHIP 47PF 5%	50V				
C521	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	D584	6-501-782-01	DIODE MAZ8180GMLS0	
C522	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	D601	6-501-571-01	DIODE 1N5404-C311-3	
C523	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	D617	6-501-782-01	DIODE MAZ8180GMLS0	
C551	1-115-416-11	CERAMIC CHIP 0.001uF 5%	25V	D703	6-501-743-01	DIODE MAZ8068GMLS0	
				D704	6-501-743-01	DIODE MAZ8068GMLS0	
C580	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V				
C581	1-126-941-11	ELECT 470uF 20%	25V	D719	6-501-782-01	DIODE MAZ8180GMLS0	
C582	1-165-319-11	CERAMIC CHIP 0.1uF 50V		D753	6-502-643-01	DIODE 1A4-A2	
C601	1-112-302-11	ELECT 3300uF 20%	16V	D754	6-502-643-01	DIODE 1A4-A2	
C602	1-165-319-11	CERAMIC CHIP 0.1uF 50V		D755	6-502-643-01	DIODE 1A4-A2	
				D756	6-502-643-01	DIODE 1A4-A2	
C617	1-163-009-91	CERAMIC CHIP 0.001uF 10%	50V				
C618	1-163-009-91	CERAMIC CHIP 0.001uF 10%	50V	D759	6-502-643-01	DIODE 1A4-A2	
C622	1-126-926-11	ELECT 1000uF 20%	10V	D760	6-502-643-01	DIODE 1A4-A2	
C623	1-126-926-11	ELECT 1000uF 20%	10V	D761	6-502-643-01	DIODE 1A4-A2	
C631	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V	D762	6-502-643-01	DIODE 1A4-A2	
						< FERRITE BEAD >	
C632	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V	FB1	1-400-334-21	FERRITE, EMI (SMD) (1608)	
C681	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	FB2	1-400-334-21	FERRITE, EMI (SMD) (1608)	
C682	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	FB304	1-469-777-21	INDUCTOR, FERRITE BEAD	
C683	1-124-261-00	ELECT 10uF 20%	50V	FB308	1-414-233-22	INDUCTOR, FERRITE BEAD	
C684	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	FB309	1-216-864-11	SHORT CHIP 0	
C705	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	FB311	1-469-777-21	INDUCTOR, FERRITE BEAD	
C706	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	FB312	1-400-382-11	FERRITE, EMI (SMD) (1608)	
C707	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	FB401	1-400-334-21	FERRITE, EMI (SMD) (1608)	
C708	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	FB402	1-400-334-21	FERRITE, EMI (SMD) (1608)	
C709	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	FB604	1-216-295-91	SHORT CHIP 0	
						< IC >	
C719	1-163-009-91	CERAMIC CHIP 0.001uF 10%	50V	IC1	6-714-162-01	IC TEF6617T/V1/S470,518	
C750	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V	IC401	6-713-080-11	IC BD3447AFV-E2	
C751	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V	IC501	6-808-750-01	IC R5F3640DDA15FA	
C752	1-124-589-11	ELECT 47uF 20%	16V	IC580	6-703-884-01	IC BA8271F-E2	
C753	1-128-551-11	ELECT 22uF 20%	63V	IC602	6-712-776-01	IC PST8228UL	
C755	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	IC681	6-702-302-01	IC TK11133CSCL-G	
C756	1-216-864-11	SHORT CHIP 0		IC750	6-705-359-02	IC TDA8588AJ/N2/R1	
C757	1-125-889-11	CERAMIC CHIP 2.2uF 10%	10V			< JACK >	
C758	1-124-261-00	ELECT 10uF 20%	50V	J1	1-815-185-13	JACK (ANTENNA)	
C761	1-126-176-11	ELECT 220uF 20%	10V	J330	1-774-700-41	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT FRONT,REAR/SUB)	
						< JUMPER RESISTOR >	
C763	1-127-715-11	CERAMIC CHIP 0.22uF 10%	16V	JC151	1-216-864-11	SHORT CHIP 0	
C764	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V	JC301	1-216-864-11	SHORT CHIP 0	
C765	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V	JC302	1-216-864-11	SHORT CHIP 0	
C769	1-127-715-11	CERAMIC CHIP 0.22uF 10%	16V	JC303	1-216-864-11	SHORT CHIP 0	
C770	1-127-715-11	CERAMIC CHIP 0.22uF 10%	16V	JC401	1-216-864-11	SHORT CHIP 0	
C771	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	JC402	1-216-864-11	SHORT CHIP 0	
C774	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V	JC497	1-216-864-11	SHORT CHIP 0	
C775	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V				
C776	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V				
		< CONNECTOR >					
* CN351	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P					
CN580	1-580-907-41	PLUG, CONNECTOR 8P (BUS CONTROL IN)					
CN601	1-774-701-21	PIN, CONNECTOR 16P					
CN701	1-819-773-21	SOCKET, CONNECTOR 15P					
CNP301	1-820-611-11	CONNECTOR, BOARD TO BOARD 28P					

CDX-GT34W/GT340

MAIN

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
JC499	1-216-295-91	SHORT CHIP	0				R451	1-216-821-11	METAL CHIP	1K	5%	1/10W	
JC501	1-216-864-11	SHORT CHIP	0				R452	1-216-833-11	METAL CHIP	10K	5%	1/10W	
JC502	1-216-864-11	SHORT CHIP	0				R461	1-216-821-11	METAL CHIP	1K	5%	1/10W	
JC521	1-216-864-11	SHORT CHIP	0				R462	1-216-833-11	METAL CHIP	10K	5%	1/10W	
JC580	1-216-864-11	SHORT CHIP	0				R471	1-216-813-11	METAL CHIP	220	5%	1/10W	
JC581	1-216-864-11	SHORT CHIP	0				R472	1-216-833-11	METAL CHIP	10K	5%	1/10W	
JC754	1-216-296-11	SHORT CHIP	0				R479	1-216-801-11	METAL CHIP	22	5%	1/10W	
JC755	1-216-296-11	SHORT CHIP	0				R481	1-216-813-11	METAL CHIP	220	5%	1/10W	
		< COIL >					R482	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R500	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L1	1-414-180-51	INDUCTOR	3.3uH				R501	1-219-570-11	METAL CHIP	10M	5%	1/10W	
L2	1-410-501-61	INDUCTOR	2.2uH				R502	1-216-821-11	METAL CHIP	1K	5%	1/10W	
L6	1-457-817-11	COIL (FM MIX)					R503	1-216-821-11	METAL CHIP	1K	5%	1/10W	
L7	1-481-285-51	INDUCTOR	560uH				R504	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
L8	1-481-285-51	INDUCTOR	560uH				R505	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
L151	1-216-295-91	SHORT CHIP	0				R506	1-216-845-11	METAL CHIP	100K	5%	1/10W	
L601	1-456-617-11	COIL, CHOKE					R507	1-216-845-11	METAL CHIP	100K	5%	1/10W	
		< TRANSISTOR >					R508	1-216-849-11	METAL CHIP	220K	5%	1/10W	
							R509	1-216-864-11	SHORT CHIP	0			
Q431	6-551-856-01	TRANSISTOR	LTC614TKFP8T146				R510	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q441	6-551-856-01	TRANSISTOR	LTC614TKFP8T146				R511	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q451	8-729-027-44	TRANSISTOR	DTC114TKA-T146				R512	1-216-821-11	METAL CHIP	1K	5%	1/10W	
Q461	8-729-027-44	TRANSISTOR	DTC114TKA-T146				R513	1-216-845-11	METAL CHIP	100K	5%	1/10W	
Q471	6-551-856-01	TRANSISTOR	LTC614TKFP8T146				R514	1-216-845-11	METAL CHIP	100K	5%	1/10W	
							R516	1-216-864-11	SHORT CHIP	0			
Q478	8-729-027-43	TRANSISTOR	DTC114EKA-T146				R517	1-216-864-11	SHORT CHIP	0			
Q479	8-729-027-23	TRANSISTOR	DTA114EKA-T146				R519	1-216-845-11	METAL CHIP	100K	5%	1/10W	
Q481	6-551-856-01	TRANSISTOR	LTC614TKFP8T146				R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
Q580	8-729-027-43	TRANSISTOR	DTC114EKA-T146				R522	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
Q586	8-729-027-23	TRANSISTOR	DTA114EKA-T146				R523	1-216-845-11	METAL CHIP	100K	5%	1/10W	
Q587	8-729-047-76	TRANSISTOR	FMC2A-T148				R526	1-216-845-11	METAL CHIP	100K	5%	1/10W	
Q631	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF				R528	1-216-845-11	METAL CHIP	100K	5%	1/10W	
		< RESISTOR >					R529	1-216-845-11	METAL CHIP	100K	5%	1/10W	
							R530	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R1	1-216-853-11	METAL CHIP	470K	5%	1/10W		R531	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R2	1-216-853-11	METAL CHIP	470K	5%	1/10W								
R3	1-400-334-21	FERRITE, EMI (SMD) (1608)					R532	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R4	1-216-864-11	SHORT CHIP	0				R533	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R5	1-216-864-11	SHORT CHIP	0				R534	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R538	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R6	1-216-843-11	METAL CHIP	68K	5%	1/10W		R539	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R10	1-216-839-11	METAL CHIP	33K	5%	1/10W								
R11	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R542	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R12	1-216-009-91	METAL CHIP	22	5%	1/10W		R543	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R13	1-216-809-11	METAL CHIP	100	5%	1/10W		R547	1-216-821-11	METAL CHIP	1K	5%	1/10W	
							R550	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R14	1-216-809-11	METAL CHIP	100	5%	1/10W		R551	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R151	1-216-817-11	METAL CHIP	470	5%	1/10W								
R152	1-216-817-11	METAL CHIP	470	5%	1/10W		R553	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R153	1-216-834-11	METAL CHIP	12K	5%	1/10W		R554	1-216-851-11	METAL CHIP	330K	5%	1/10W	
R154	1-216-834-11	METAL CHIP	12K	5%	1/10W		R555	1-216-851-11	METAL CHIP	330K	5%	1/10W	
							R556	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R155	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R558	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R301	1-216-821-11	METAL CHIP	1K	5%	1/10W								
R302	1-216-821-11	METAL CHIP	1K	5%	1/10W		R561	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R330	1-216-821-11	METAL CHIP	1K	5%	1/10W		R563	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R331	1-216-821-11	METAL CHIP	1K	5%	1/10W		R565	1-216-845-11	METAL CHIP	100K	5%	1/10W	
							R566	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R332	1-216-833-11	METAL CHIP	10K	5%	1/10W		R567	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R333	1-216-833-11	METAL CHIP	10K	5%	1/10W								
R401	1-216-797-11	METAL CHIP	10	5%	1/10W		R570	1-216-817-11	METAL CHIP	470	5%	1/10W	
R431	1-216-813-11	METAL CHIP	220	5%	1/10W		R575	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R432	1-216-833-11	METAL CHIP	10K	5%	1/10W		R578	1-216-821-11	METAL CHIP	1K	5%	1/10W	
							R580	1-216-809-11	METAL CHIP	100	5%	1/10W	
R441	1-216-813-11	METAL CHIP	220	5%	1/10W		R581	1-216-809-11	METAL CHIP	100	5%	1/10W	
R442	1-216-833-11	METAL CHIP	10K	5%	1/10W								

Ref. No.	Part No.	Description	Remark		
R582	1-216-835-11	METAL CHIP	15K	5%	1/10W
R583	1-216-821-11	METAL CHIP	1K	5%	1/10W
R584	1-216-849-11	METAL CHIP	220K	5%	1/10W
R587	1-216-821-11	METAL CHIP	1K	5%	1/10W
R588	1-216-821-11	METAL CHIP	1K	5%	1/10W
R590	1-216-864-11	SHORT CHIP	0		
R591	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R601	1-216-845-11	METAL CHIP	100K	5%	1/10W
R631	1-216-073-91	METAL CHIP	10K	5%	1/10W
R632	1-216-841-11	METAL CHIP	47K	5%	1/10W
R633	1-216-841-11	METAL CHIP	47K	5%	1/10W
R634	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R635	1-216-073-91	METAL CHIP	10K	5%	1/10W
R636	1-216-845-11	METAL CHIP	100K	5%	1/10W
R661	1-216-821-11	METAL CHIP	1K	5%	1/10W
R662	1-216-833-11	METAL CHIP	10K	5%	1/10W
R663	1-216-821-11	METAL CHIP	1K	5%	1/10W
R664	1-216-833-11	METAL CHIP	10K	5%	1/10W
R671	1-216-809-11	METAL CHIP	100	5%	1/10W
R672	1-216-809-11	METAL CHIP	100	5%	1/10W
R673	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R674	1-216-845-11	METAL CHIP	100K	5%	1/10W
R675	1-216-821-11	METAL CHIP	1K	5%	1/10W
R676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R677	1-216-864-11	SHORT CHIP	0		
R679	1-216-821-11	METAL CHIP	1K	5%	1/10W
R681	1-216-833-11	METAL CHIP	10K	5%	1/10W
R691	1-216-845-11	METAL CHIP	100K	5%	1/10W
R692	1-216-845-11	METAL CHIP	100K	5%	1/10W
R752	1-216-811-11	METAL CHIP	150	5%	1/10W
R756	1-216-841-11	METAL CHIP	47K	5%	1/10W
< SWITCH >					
S702	1-786-826-11	SWITCH, TACTILE (RESET)	< THERMISTOR (POSITIVE) >		
TH580	1-803-350-21	THERMISTOR, POSITIVE	< SURGE ABSORBER >		
VDR1	1-805-043-11	ABSORBER, CHIP SURGE	< VIBRATOR >		
X1	1-814-300-11	QUARTZ CRYSTAL UNIT (4MHz)			
X501	1-814-075-21	VIBRATOR, CERAMIC (11.06MHz)			
X502	1-767-317-11	VIBRATOR, CRYSTAL (32.768kHz)			

A-1552-122-A		SERVO BOARD, COMPLETE	*****		

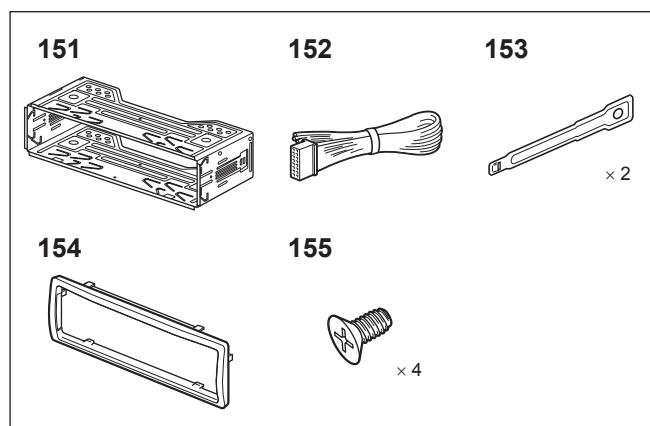
		MISCELLANEOUS	*****		
6	1-833-974-21	CONNECTION CORD FOR AUTOMOBILE	(POWER)		
△ 103	X-2149-672-1	SERVICE ASSY, OP (DAX-25A)			
FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A			

Ref. No.	Part No.	Description	Remark
		ACCESSORIES	

	1-479-077-14	REMOTE COMMANDER (RM-X151)	
	2-548-729-01	LID, BATTERY CASE (for RM-X151)	
	4-149-110-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH) (GT34W)	
	4-149-110-21	MANUAL, INSTRUCTION (ENGLISH,FRENCH) (GT340)	
	4-149-111-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH,FRENCH,SPANISH) (GT34W)	
	4-149-111-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH,FRENCH) (GT340)	

PARTS FOR INSTALLATION AND CONNECTIONS			

151	X-2179-431-2	FRAME ASSY, FITTING	
152	1-833-974-21	CONNECTION CORD FOR AUTOMOBILE (POWER)	
153	3-876-675-01	KEY (FRAME)	
154	4-144-560-01	COLLAR	
155	3-934-325-01	SCREW, +K (5X8) TAPPING	



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.

[illegible]