

DSX-A30/A30E

SERVICE MANUAL

Ver. 1.4 2012.11

AEP Model

UK Model

E Model

DSX-A30

Russian Model

DSX-A30/A30E



Photo: DSX-A30

- This model is not equipped with a mechanism deck.

SPECIFICATIONS

Tuner section (E, Mexican, Argentina and Indian models) FM

Tuning range:

For non-Argentine models:
87.5 – 108.0 MHz (at 50 kHz step)
87.5 – 108.0 MHz (at 100 kHz step)
87.5 – 107.9 MHz (at 200 kHz step)
For Argentine models:
87.5 – 107.9 MHz

FM tuning step (for non-Argentine models):
50 kHz/100 kHz/200 kHz switchable

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:

For non-Argentine models:
531 – 1,602 kHz (at 9 kHz step)
530 – 1,710 kHz (at 10 kHz step)
For Argentine models:
530 – 1,710 kHz

AM tuning step (for non-Argentine models):
9 kHz/10 kHz switchable

Antenna (aerial) terminal:

External antenna (aerial) connector
Intermediate frequency:
For non-Argentine models:
9,124.5 kHz or 9,115.5 kHz/4.5 kHz
(at 9 kHz step)
9,115 kHz or 9,125 kHz/5 kHz (at 10 kHz step)
For Argentine models:
9,115 kHz or 9,125 kHz/5 kHz
Sensitivity: 26 μ V

Tuner section (Saudi Arabia model) FM

Tuning range:

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

MW

Tuning range:

Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency:
9,124.5 kHz or 9,115.5 kHz/4.5 kHz
Sensitivity: 26 μ V

SW

Tuning range:

SW1: 2,940 – 7,735 kHz
SW2: 9,500 – 18,135 kHz
(except for 10,140 – 11,575 kHz)
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency:
9,124.5 kHz or 9,115.5 kHz/4.5 kHz
Sensitivity: 26 μ V

Tuner section (AEP, Russian and UK models) FM

Tuning range:

DSX-A30E
FM1/FM2: 87.5 – 108.0 MHz (50 kHz step)
FM3: 65 – 74 MHz (30 kHz step)
DSX-A30
Tuning range: 87.5 – 108.0 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

MW/LW

Tuning range:

MW: 531 – 1,602 kHz
LW: 153 – 279 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency:
9,124.5 kHz or 9,115.5 kHz/4.5 kHz
Sensitivity: MW: 26 μ V, LW: 45 μ V

USB Player section

Interface: USB (Full-speed)
Maximum current: 500 mA

Power amplifier section

Output: Speaker outputs
Speaker impedance: 4 – 8 ohms
Maximum power output: 50 W \times 4 (at 4 ohms)

General

Outputs:

Audio outputs terminal (rear)
AEP, Russian and UK models:
Power antenna (aerial) relay control terminal
Power amplifier control terminal
E, Saudi Arabia, Mexican, Argentina and Indian models:
Power antenna (aerial)/Power amplifier control terminal (REM OUT)

Inputs:

Remote controller input terminal
Antenna (aerial) input terminal
AUX input jack (stereo mini jack)
USB signal input connector

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

Dimensions: Approx. 178 \times 50 \times 120 mm
(7 $\frac{1}{8}$ \times 2 \times 4 $\frac{7}{8}$ in) (w/h/d)

Mounting dimensions: Approx. 182 \times 53 \times 103 mm
(7 $\frac{1}{4}$ \times 2 $\frac{1}{8}$ \times 4 $\frac{1}{8}$ in) (w/h/d)

Mass: Approx. 0.7 kg (1 lb 9 oz)

Supplied accessories:

Remote commander: RM-X211
Parts for installation and connections (1 set)

Design and specifications are subject to change without notice.

E, Mexican, Argentina, Indian models
FM/AM DIGITAL MEDIA PLAYER
Saudi Arabia model
FM/MW/SW DIGITAL MEDIA PLAYER
AEP, Russian, UK models
FM/MW/LW DIGITAL MEDIA PLAYER

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

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.

SECTION 1 SERVICING NOTES

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)

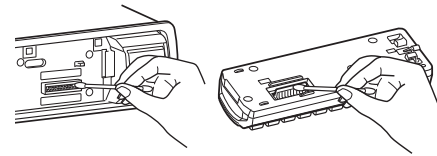
: LEAD FREE MARK

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.

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.

ABOUT CHECKING THE OPERATION

When checking the operation of this unit, connect a USB device to this unit.

Refer to the support site written in the operating instruction for the details about the compatibility of a USB device.

NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING

When the MAIN board or system controller (IC101) is replaced, the destination setting is necessary.

1. Destination Setting

Set destination according to the procedure below.

1-1. Setting the Destination Code

- In the state of source off (the clock is displayed), enter the test mode by pressing the buttons on the remote commander in order of the [4] → [5] → [6] (press only the [6] button for two seconds).
- In the state in which the system controller version is displayed on the liquid crystal display, enter the destination setting mode by pressing the buttons on the main unit in order of the [SEEK +] → [SEEK -] → [PUSH ENTER/SELECT].
- Input the alphanumeric character of 6 digits of "F XXXXXX" displayed on the liquid crystal display, and execute the destination setting.

Note: Refer to following "1-3. Entering the Destination Code" for operation method.

- The resetting operation is executed by pressing the [SOURCE/OFF] button for 1 second after the setting ends, and the unit returns to the normal condition.

1-2. Display in Destination Setting Mode

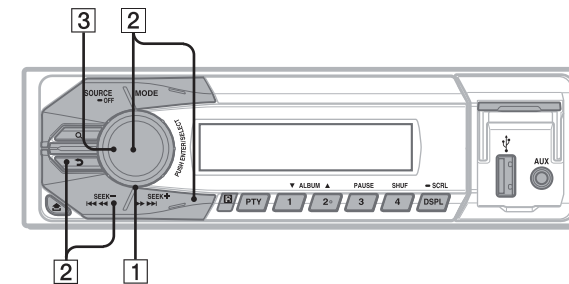
OP5 OP4 OP3 OP2 OP1 OP0

8 digits

F	X	X	X	X	X	X	X
---	---	---	---	---	---	---	---

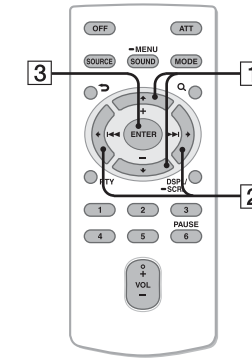
1-3. Entering the Destination Code

• Method of operation by main unit



- Rotate the control dial, and select the alphanumeric character of "0 to F".
- The digit advances by pressing the [PUSH ENTER/SELECT] or [SEEK +] button.
The digit returns by pressing the [SEEK -] button.
- The setting is completed by pressing the [PUSH ENTER/SELECT] button, and the initialization operation is done.

• Method of operation by remote commander



- Press the [↑] or [↓] button, and select the alphanumeric character of "0 to F".
- The digit advances by pressing the [→] button.
The digit returns by pressing the [←] button.
- The setting is completed by pressing the [ENTER] button, and the initialization operation is done.

1-4. Destination Code

Model	Destination	OP5	OP4	OP3	OP2	OP1	OP0
DSX-A30	AEP, Russian, UK	0	0	4	2	0	1
	E, Mexican, Indian	0	0	4	A	0	0
	Saudi Arabia	0	0	4	A	0	4
DSX-A30E	Argentina	0	0	4	A	0	3
	Russian	0	0	6	2	0	7

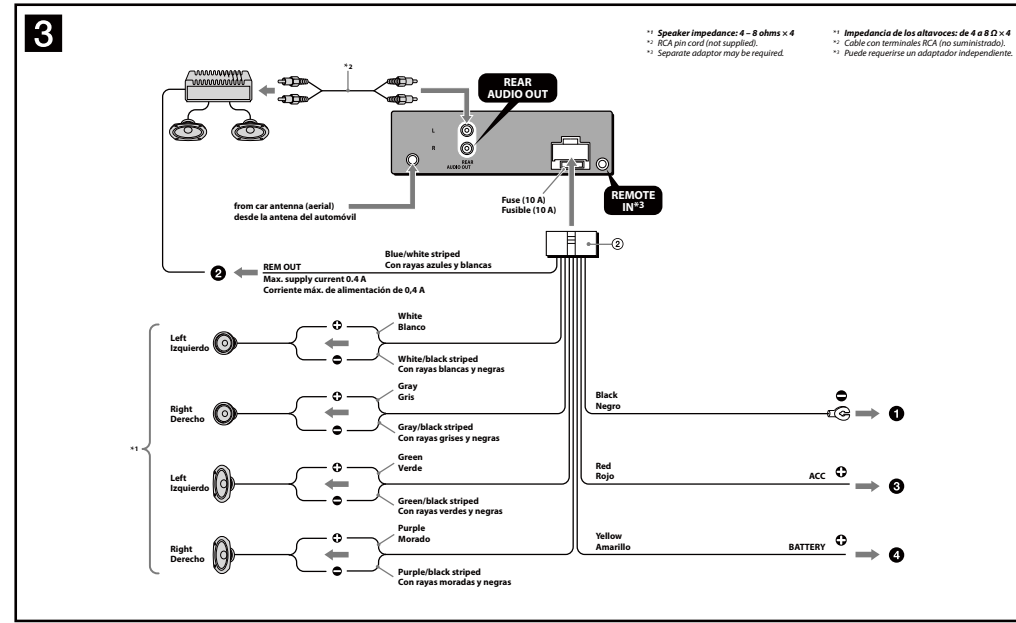
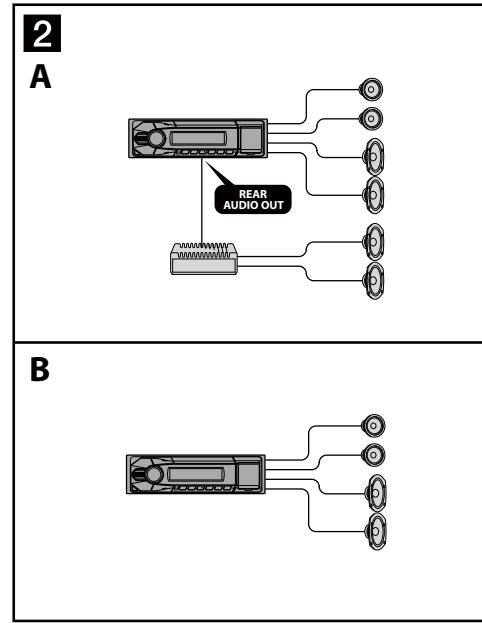
2. Confirmation After Destination Setting

Execute the following operation after completing the destination setting, and confirm a correct destination was set.

Destination setting checking method:

- In the state of source off (the clock is displayed on the liquid crystal display), enter the test mode by pressing the buttons on the remote commander in order of the [4] → [5] → [6] (press only the [6] button for two seconds).
- In the state in which the system controller version is displayed on the liquid crystal display, enter the destination setting value display mode by pressing the [DSPL] button on the main unit.
- Confirm the alphanumeric character of 6 digits of "F XXXXXX" displayed in liquid crystal display is an value correctly input.
- The resetting operation is executed by pressing the [SOURCE/OFF] button on the main unit for 1 second after the confirming ends, and the unit returns to the normal condition.

(E, Saudi Arabia, Mexican and Indian models)



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 ralling).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the yellow and red power input 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.

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

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

- If 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 F.M./A.M. antenna (aerial) in the roof side pillars, see "Notes on the control and power supply leads".

To AMP REMOTE IN of an optional power amplifier

Notes

- 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 key switch

Notes

- If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.
- Be sure to connect the black ground (earth) lead to a metal surface of the car first.
- When your car has a built-in F.M./A.M. antenna (aerial) in the roof side pillars, see "Notes on the control and power supply leads".

To the +12 V power terminal which is energized at all times

Notes

- 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 VDC when you turn on the unit.
- When your car has built-in F.M./A.M. 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 input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 16 ohms, and with adequate power handling capacity to avoid fire damage.
- Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speakers.
- 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 positive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.
- In avoid 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

Speaker and amplifier are not connected correctly. "SERVO" or "PUSH" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Precauciones

- Esta unidad ha sido diseñada para alimentarse sólo con cc de 12 V de masa negativa.
- No coloque los cables debajo de ningún tornillo, ni los apriete con partes móviles (p. ej. los rielos del asiento).
- Antes de realizar las conexiones, apague el automóvil para evitar cortocircuitos.
- Conecte los cables de fuente de alimentación amarillo y rojo solamente después de haber conectado los demás.
- Conecte todos los cables de conexión a masa a un punto común.
- Por razones de seguridad, asegúrese de aislar con cinta aislante los cables sueltos que no estén conectados.

Notes sobre los cables de control y de fuente de alimentación

- El cable REM OUT (rayas azul y blanca) suministra +12 V al encender la unidad.
- Si el automóvil dispone de una antena de F.M./A.M. incorporada en el cristal trasero o lateral, conecte el cable REM OUT (rayas azul y blanca) o el cable de fuente de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de señal de la antena existente. Para obtener más detalles, consulte a su distribuidor.
- Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.

Conexión para protección de la memoria

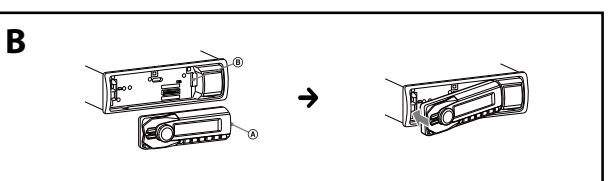
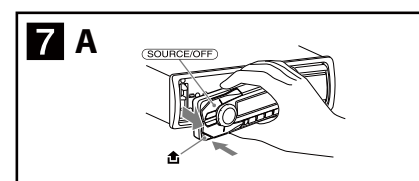
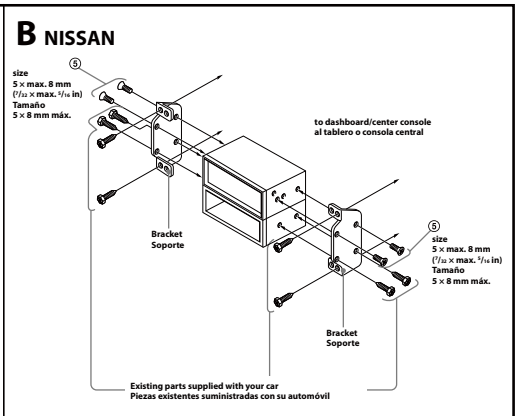
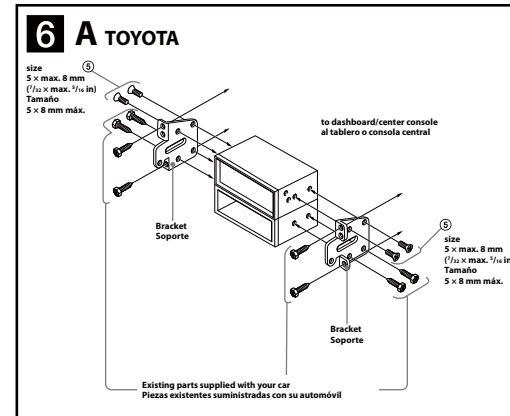
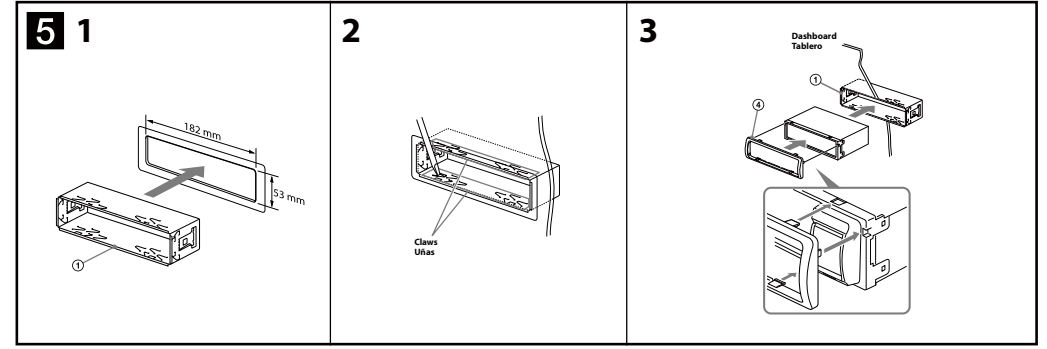
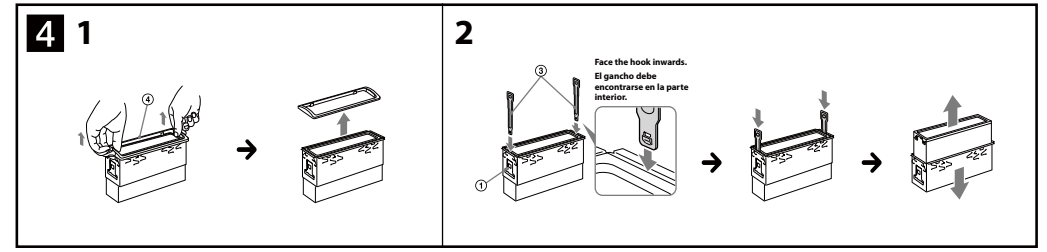
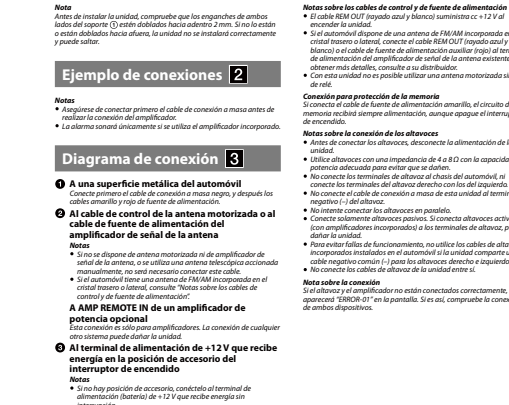
Si conecta el cable de fuente de alimentación amarilla, el circuito de la memoria no podrá ser apagado automáticamente, aunque apague el interruptor de encendido.

Notes sobre la conexión de los altavoces

- Antes de conectar los altavoces, desconecte la alimentación de la unidad.
- Utilice altavoces con una impedancia de 4 a 16 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.

Note sobre la conexión

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



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 (2) and the bracket (3) from the unit.

- Remove the protection collar (2).
- Pinch both edges of the protection collar (2), then pull it out.
- Insert both release keys (3) together between the unit and the bracket (3) until they click.
- Push down the bracket (3), then pull up the unit to separate.

Mounting example 5

Installation in the dashboard

Notes

- Check these claws outward for a tight fit. If necessary, (5-2).
- Make sure that the 4 catches on the protection collar (3) 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 (6).

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.

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 (7-A) and pull it off towards you.

7-B To attach

Engage part (7-B) of the front panel with part (7-B) 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

Be sure to set the Auto OFF function, 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.

Notes on the tuning step

- For how to set the tuning step, see the supplied Operating Instructions.
- If replacing the car battery or changing the connections, the tuning step setting will be erased.

Forma de extraer e instalar el panel frontal 7

Antes de instalar la unidad, extraiga el panel frontal.

7-A Para extraerlo

Antes de extraer el panel frontal, asegúrese de mantener presionado [SOURCE/OFF]. Presione (7-A) y luego extráigalo hacia usted.

7-B Para instalarlo

Coloque la parte (7-B) del panel frontal en la parte (7-B) de la unidad, como se muestra en la ilustración, y después presione la parte izquierda hasta que encaje.

Advertencia: si el encendido del automóvil no dispone de una posición ACC

Asegúrese de ajustar la función de desconexión automática. Para obtener más información, consulte el manual de instrucciones suministrado.

La unidad se apagará completa y automáticamente en el tiempo establecido después de que se desconecte la unidad, lo que evita que se descargue la batería.

Si no ha ajustado la función de desconexión automática, mantenga presionado [SOURCE/OFF] cada vez que apague el interruptor de encendido, hasta que la pantalla desaparezca.

Sustitución del fusible

Al sustituir el fusible, asegúrese de utilizar uno cuyo amperaje coincida con el especificado en el original. Si el fusible se funde, verifique la conexión de alimentación y sustitúyalo. Si el fusible vuelve a fundirse después de sustituirlo, es posible que exista alguna falla de funcionamiento interno. En tal caso, consulte con el distribuidor Sony más cercano.

Notes acerca de la sintonización

- Para obtener información sobre cómo ajustar la sintonización, consulte el manual de instrucciones suministrado.
- Si se reemplaza la batería del auto o se cambian las conexiones, la configuración de la sintonización se va a borrar.

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.
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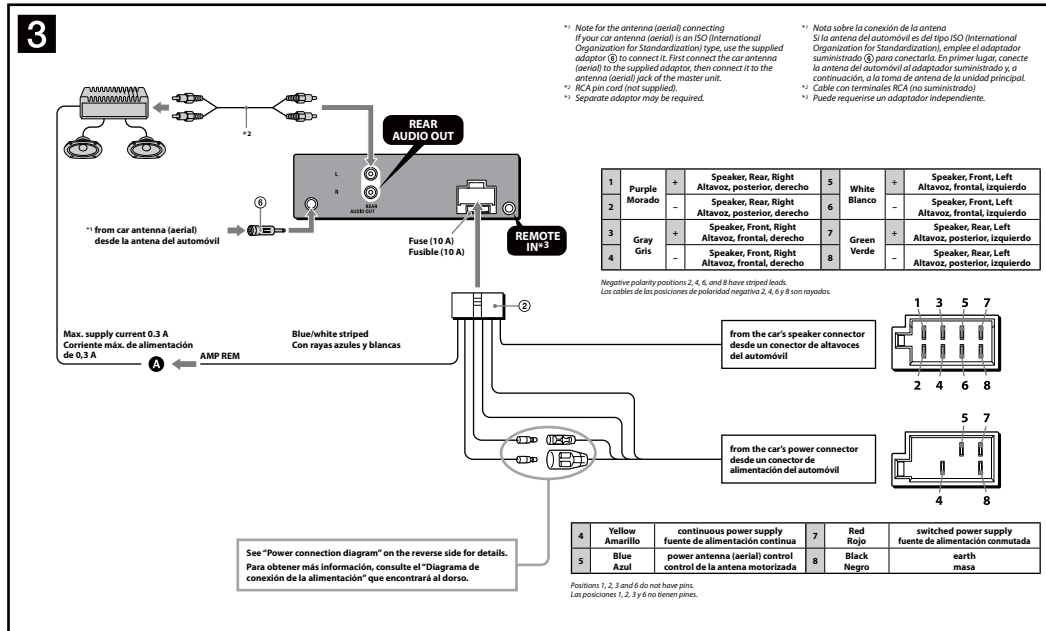
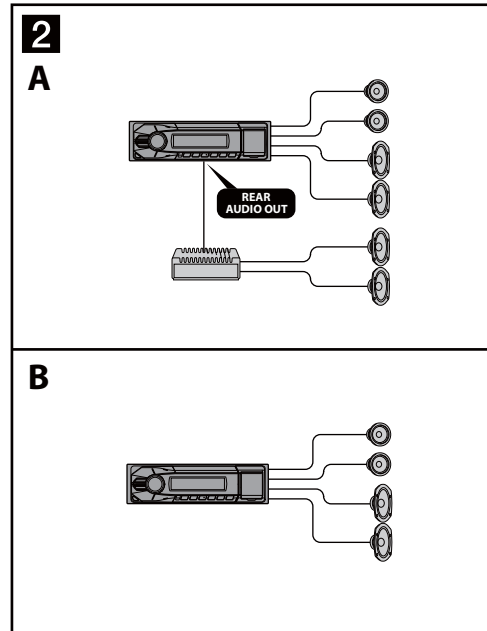
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Notes on the tuning step

- For how to set the tuning step, see the supplied Operating Instructions.
- If replacing the car battery or changing the connections, the tuning step setting will be erased.

(Argentina model)



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 power connecting lead (2) to the unit and speakers before connecting it to the auxiliary power connector.
- Run all ground (earth) leads to a common ground (earth) point.
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- 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

- 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

AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

Warning
If you have a power antenna (aerial) without a relay box, connecting this unit with the supplied power connecting lead (2) may damage the antenna (aerial).

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

Notes on speaker connection
Before connecting the speakers, turn the unit off.

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.

Do not connect the ground (earth) lead of this unit to the negative (-) terminal of the speaker.
Do not connect the speaker leads to each other.

Note on connection
If speaker terminals are not connected correctly, "ERROR 01" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Precauciones

- Esta unidad ha sido diseñada para alimentarse sólo con cc de 12 V de masa negativa.
- No coloque los cables debajo de ningún tornillo, ni los aprisione con partes móviles (p. ej. los rieles del asiento).
- Antes de realizar las conexiones, apague el automóvil para evitar cortocircuitos.
- Conecte el cable de conexión de alimentación (2) a la unidad y a los altavoces antes de conectarlo al conector de alimentación auxiliar.
- Conecte todos los cables de conexión a masa a un punto común.
- Por razones de seguridad, asegúrese de aislar con cinta aislante los cables sueltos que no estén conectados.
- Si no hay circuitos del automóvil con capacidad nominal suficientemente alta, conecte la unidad directamente a la batería.

Ejemplo de conexiones 2

- Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.
- La alarma sonará únicamente si se utiliza el amplificador incorporado.

Diagrama de conexión 3

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.

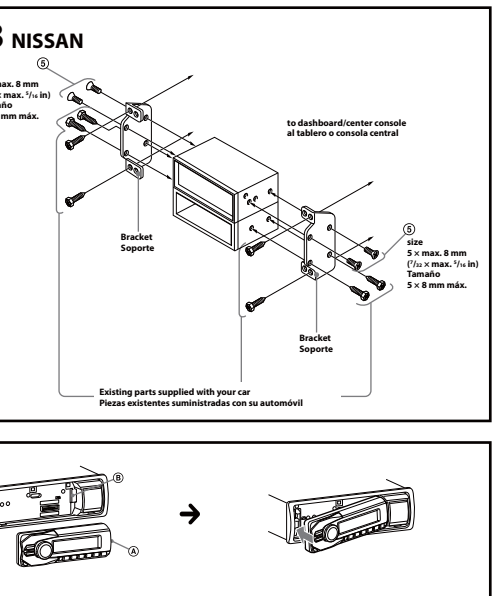
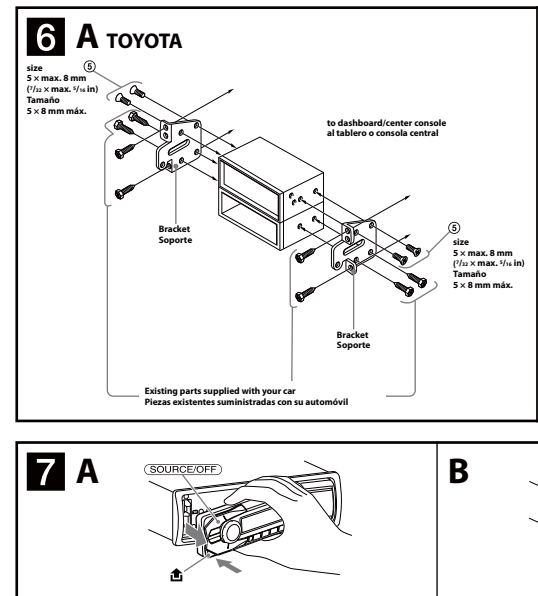
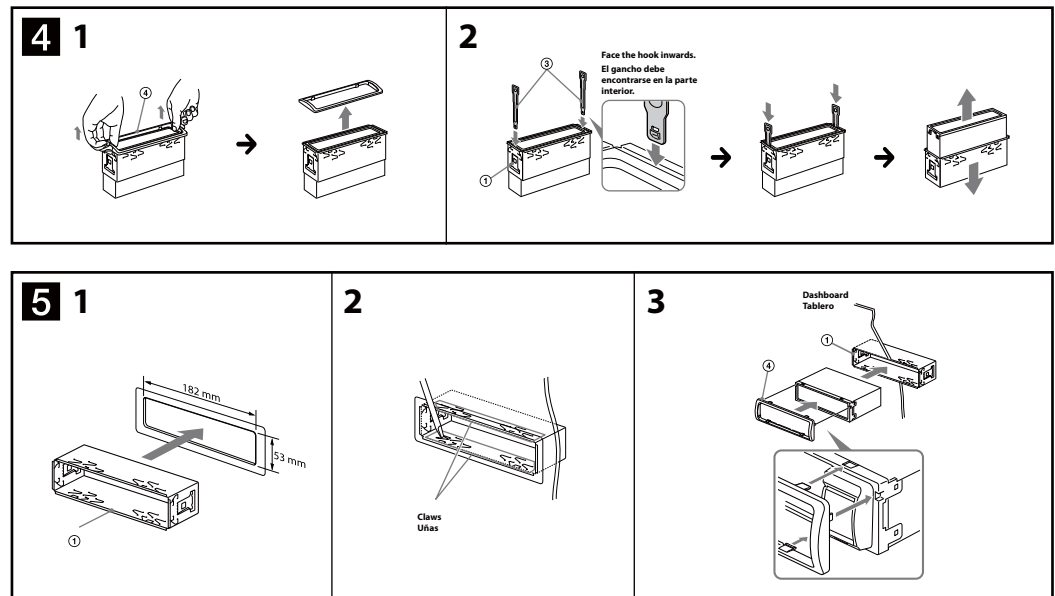
Advertencia
Si la antena motorizada no dispone de caja de relé, es posible que la conexión de esta unidad mediante el cable de conexión de alimentación suministrado (2) provoque daños en la antena.

Nota sobre los cables de control y de fuente de alimentación
Si conecta el cable de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague el interruptor de encendido.

Nota sobre la conexión de los altavoces
Antes de conectar los altavoces, desconecte la alimentación de la unidad.

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.

Nota sobre la conexión
Si el altavoz y el amplificador no están conectados correctamente, aparecerá "ERROR 01" en la pantalla. Si es así, compruebe la conexión de ambos dispositivos.



Precauciones
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 vibrations, or high temperatures, such as in direct sunlight or near heater ducts. Use only the supplied mounting hardware for a safe and secure installation.

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 2 and pull it off towards you.
7-B To attach
Engage part 3 of the front panel with part 4 of the unit, as illustrated, and push the left side into position until it clicks.

Precauciones
Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera con las funciones normales de conducción. Evite instalar la unidad donde pueda quedar expuesta a polvo, suciedad, vibraciones excesivas o altas temperaturas, por ejemplo, a la luz solar directa o cerca de conductos de calefacción. Para realizar una instalación segura y firme, utilice solamente elementos de instalación suministrados.

Forma de extraer e instalar el panel frontal 7
Antes de instalar la unidad, extraiga el panel frontal.
7-A Para extraerlo
Antes de extraer el panel frontal, asegúrese de mantener presionado [SOURCE/OFF]. Presione 2 y luego extráigalo hacia usted.
7-B Para instalarlo
Coloque la parte 3 del panel frontal en la parte 4 de la unidad, como se muestra en la ilustración, y después presione la parte izquierda hasta que encaje.

Power connection diagram
Auxiliary power connector may vary depending on the car. Check your car's auxiliary power connector diagram to make sure the connections match correctly. There are three basic types (illustrated below). You may need to switch the positions of the red and yellow leads in the car stereo's power connecting lead. After matching the connections and switched power supply leads correctly, connect the unit to the car's power supply. If you have any questions and problems connecting your unit that are not covered in this manual, please consult the car dealer.

Diagrama de conexión de la alimentación
El conector de alimentación auxiliar puede variar en función del automóvil. Compruebe el diagrama del conector de alimentación auxiliar del automóvil para asegurarse de que las conexiones coincidan correctamente. Existen tres tipos básicos. Ilustrados a continuación. Es posible que sea necesario cambiar las posiciones de los cables rojo y amarillo del cable de conexión de alimentación del sistema estéreo del automóvil.

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 (3) and the bracket (4) from the unit.
1 Remove the protection collar (3). Pinch both edges of the protection collar (3), then pull it out.
2 Remove the bracket (4). Insert both release keys (5) together between the unit and the bracket (4) until they click. Pull down the bracket (4), then pull up the unit to separate.

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.
After detaching the unit, 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.

Ajuste del ángulo de montaje
Ajuste el ángulo de montaje a menos de 45°.

Extracción del marco de protección y del soporte 4
Antes de instalar la unidad, retire el marco de protección (3) y el soporte (4) de la misma.
1 Retire el marco de protección (3). Apriete ambos bordes del marco de protección (3) y, a continuación, tire de él hacia fuera.
2 Retire el soporte (4). Inserte ambas llaves de liberación (5) entre la unidad y el soporte (4) hasta que encajen. Levante la unidad para separar ambos elementos.

Advertencia: si el encendido del automóvil no dispone de una posición ACC
Asegúrese de ajustar la función de desconexión automática. Para obtener más información, consulte el manual de instrucciones suministrado. La unidad se apagará completa y automáticamente en el tiempo establecido después de que se desconecte la unidad, lo que evita que se descargue la batería. Si no ha ajustado la función de desconexión automática, mantenga presionado [SOURCE/OFF] cada vez que apague el interruptor de encendido, hasta que la pantalla desaparezca.

Mounting example 5
Installation in the dashboard
Notes
• Bend these claws outward for a tight fit, if necessary (3, 2).
• Make sure that the 4 catches on the protection collar (3) are properly engaged in the slots of the unit (4).

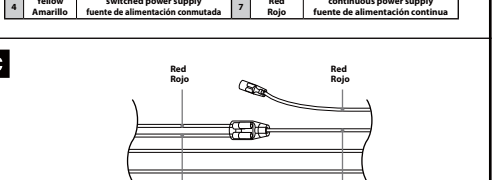
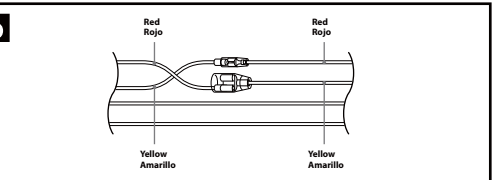
Fuse replacement
When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest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

Ejemplo de montaje 5
Instalación en el tablero
Nota
• Curve necessary, double the claws facing forward so they engage firmly (3, 2).
• Be sure that the 4 catches on the protection collar (3) are properly engaged in the slots of the unit (4).

Sustitución del fusible
Al sustituir el fusible, asegúrese de utilizar uno cuyo amperaje coincida con el especificado en el original. Si el fusible se funde, verifique la conexión de alimentación y sustitúyalo. Si el fusible vuelve a fundirse después de sustituirlo, es posible que exista alguna falla de funcionamiento interna. En tal caso, consulte a su distribuidor Sony más cercano.

Montaje de la unidad en un automóvil japonés 6
Es posible que no pueda instalar esta unidad en algunos automóviles japoneses. En tal caso, consulte a su distribuidor Sony.
Nota
Para evitar que se produzcan fallas de funcionamiento, realice la instalación solamente con los tornillos suministrados (6).

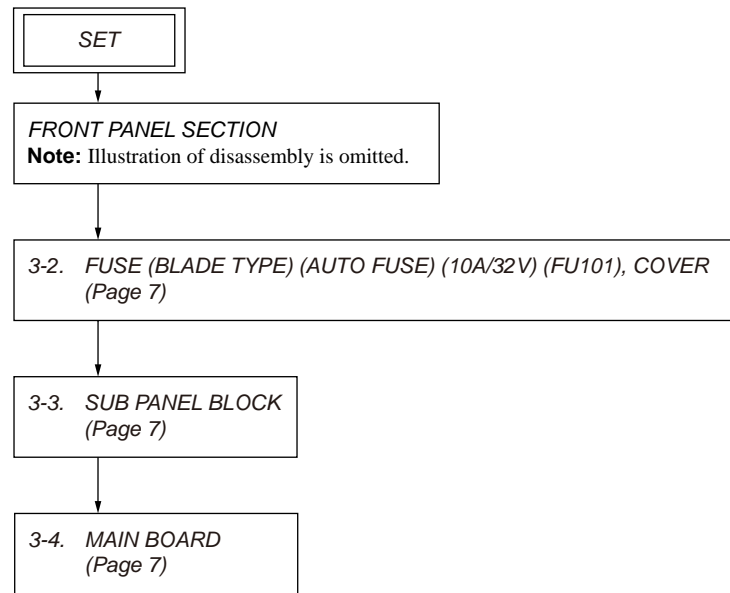
Mounting the unit in a Japanese car 6
You may not be able to install this unit in some makes of Japanese cars. In such a case, consult your Sony dealer.
Note
To prevent malfunction, install only with the supplied screws (6).



SECTION 3 DISASSEMBLY

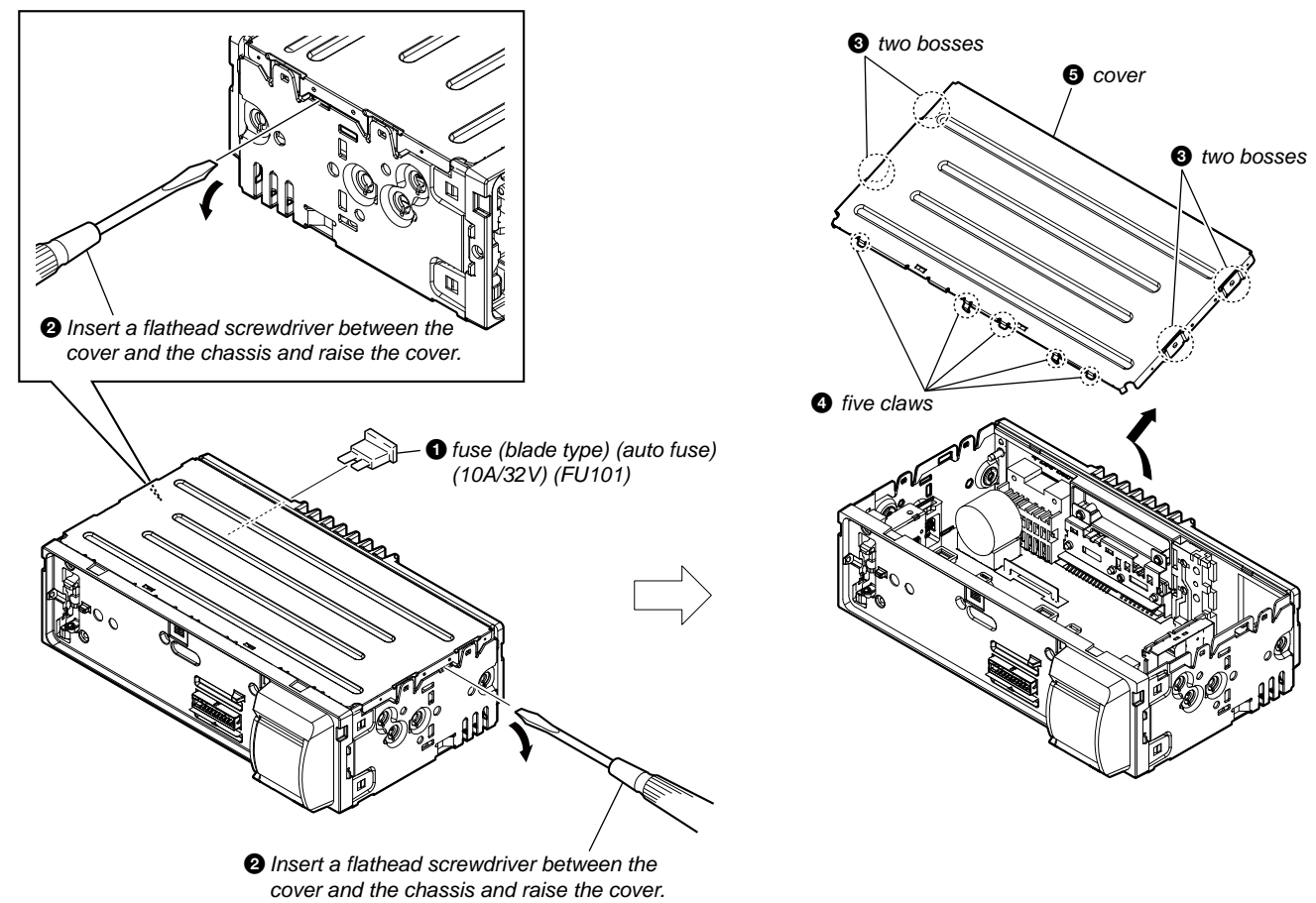
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

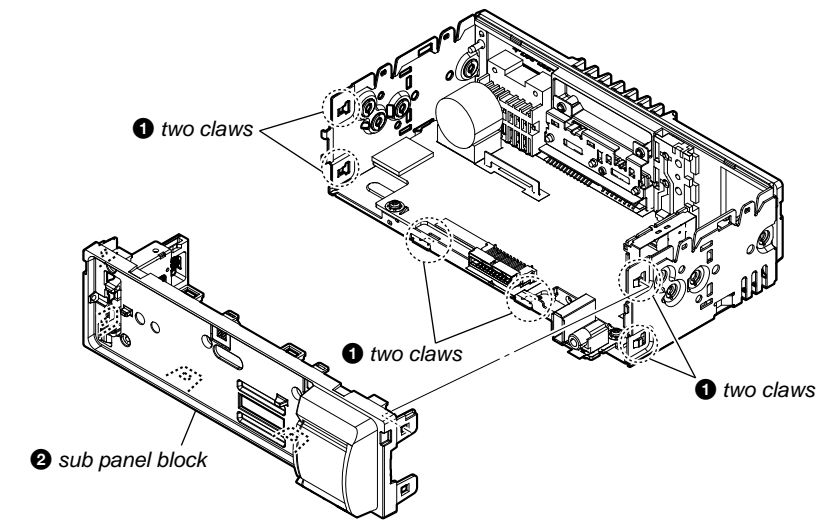


Note: Follow the disassembly procedure in the numerical order given.

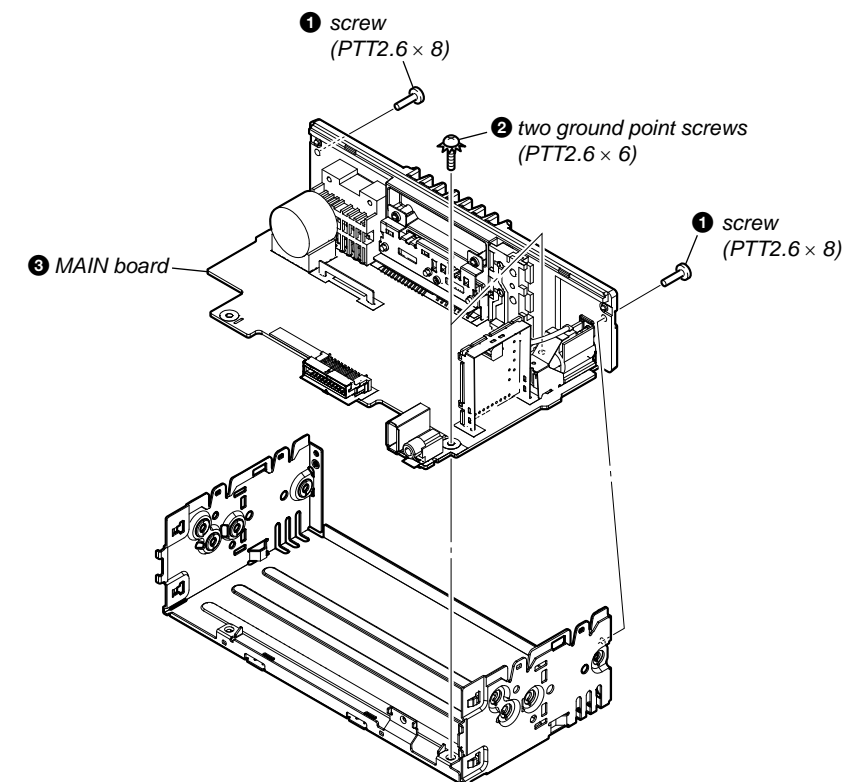
3-2. FUSE (BLADE TYPE) (AUTO FUSE) (10A/32V) (FU101), COVER



3-3. SUB PANEL BLOCK

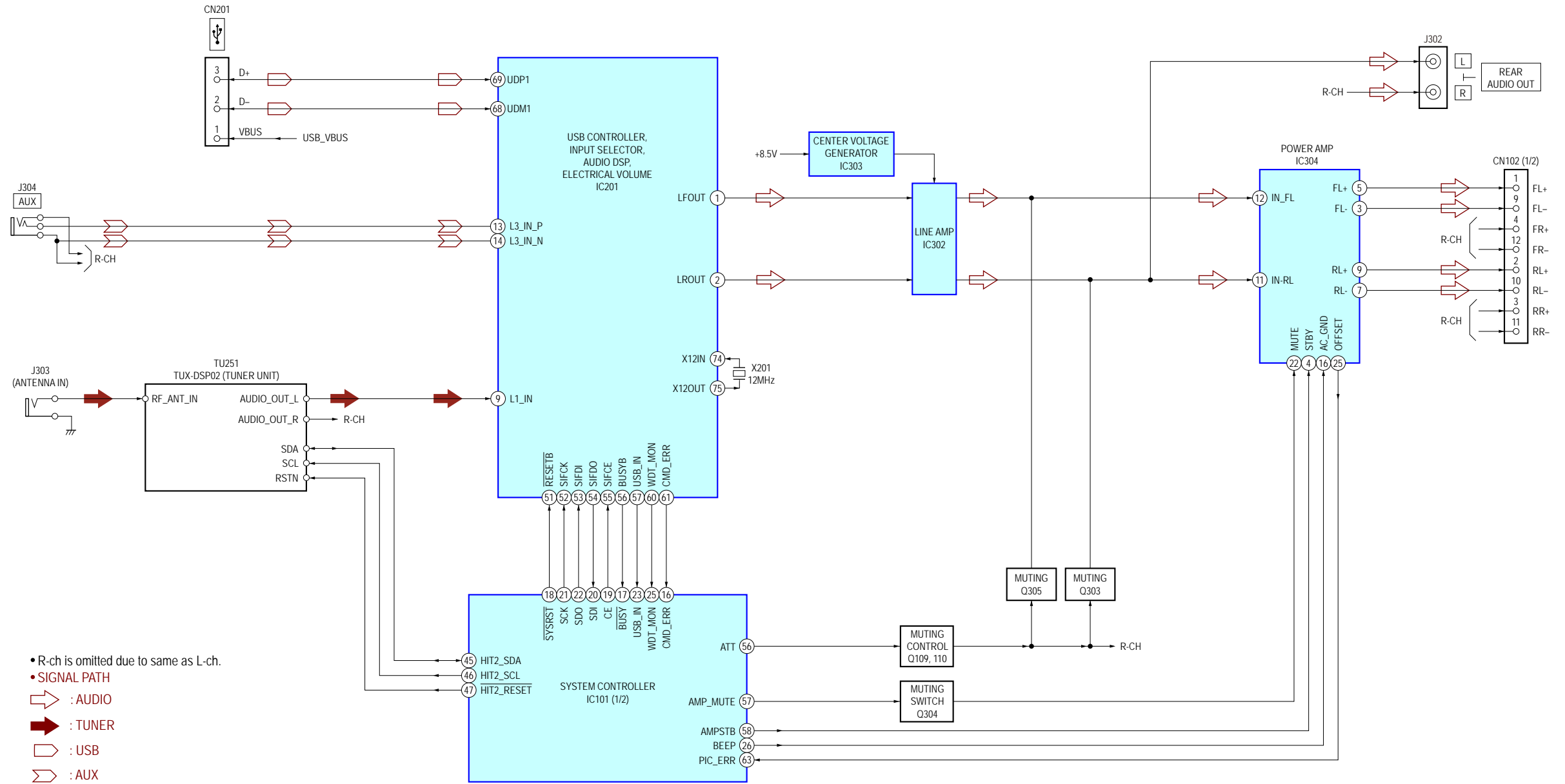


3-4. MAIN BOARD

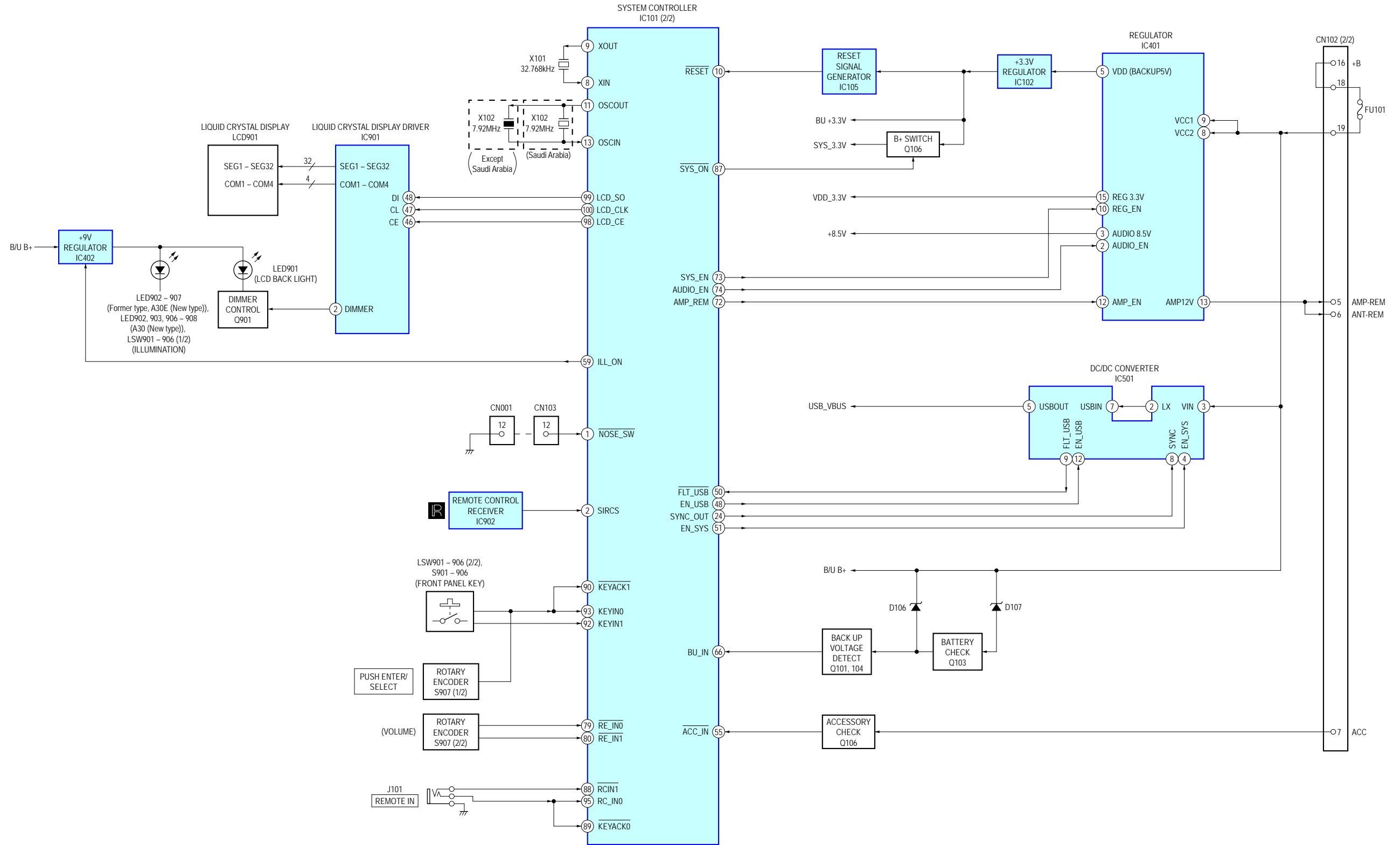


SECTION 4 DIAGRAMS

4-1. BLOCK DIAGRAM - MAIN Section -



4-2. BLOCK DIAGRAM - DISPLAY/POWER SUPPLY Section -



Note: Refer to "NEW/FORMER DISCRIMINATION" (page 2 on supplement-1) for New/Former types.

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.

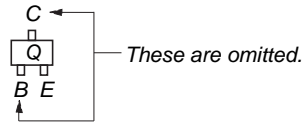
Note:

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

- Indication of transistor.



Abbreviation

- AR : Argentina model
- EA : Saudi Arabia model
- IND : Indian model
- MX : Mexican model
- RU : Russian model

Note: When the MAIN board in this unit is replaced, the destination setting is necessary. Refer to "NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING" (page 4).

For Schematic Diagrams.

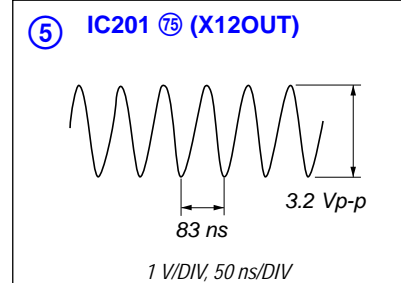
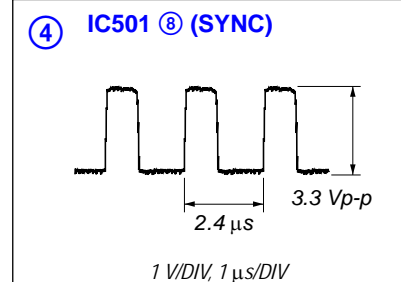
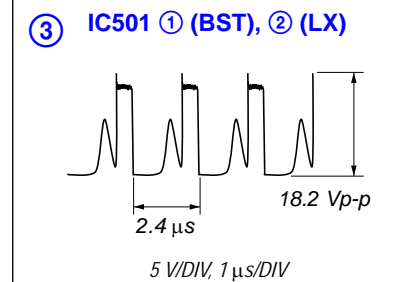
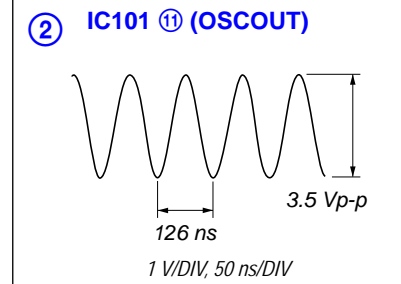
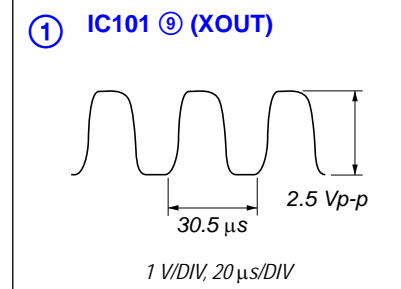
Note:

- 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.
- : 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
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- ⇒ : AUDIO
- ➡ : TUNER
- : USB
- ∩ : AUX
- Abbreviation**
- AR : Argentina model
- EA : Saudi Arabia model
- IND : Indian model
- MX : Mexican model
- RU : Russian model

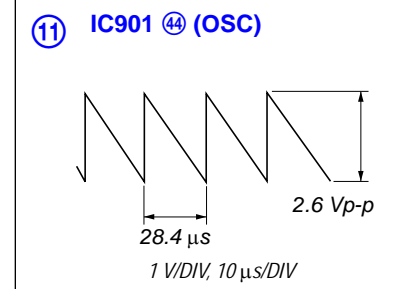
Note: When the MAIN board in this unit is replaced, the destination setting is necessary. Refer to "NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING" (page 4).

Waveforms

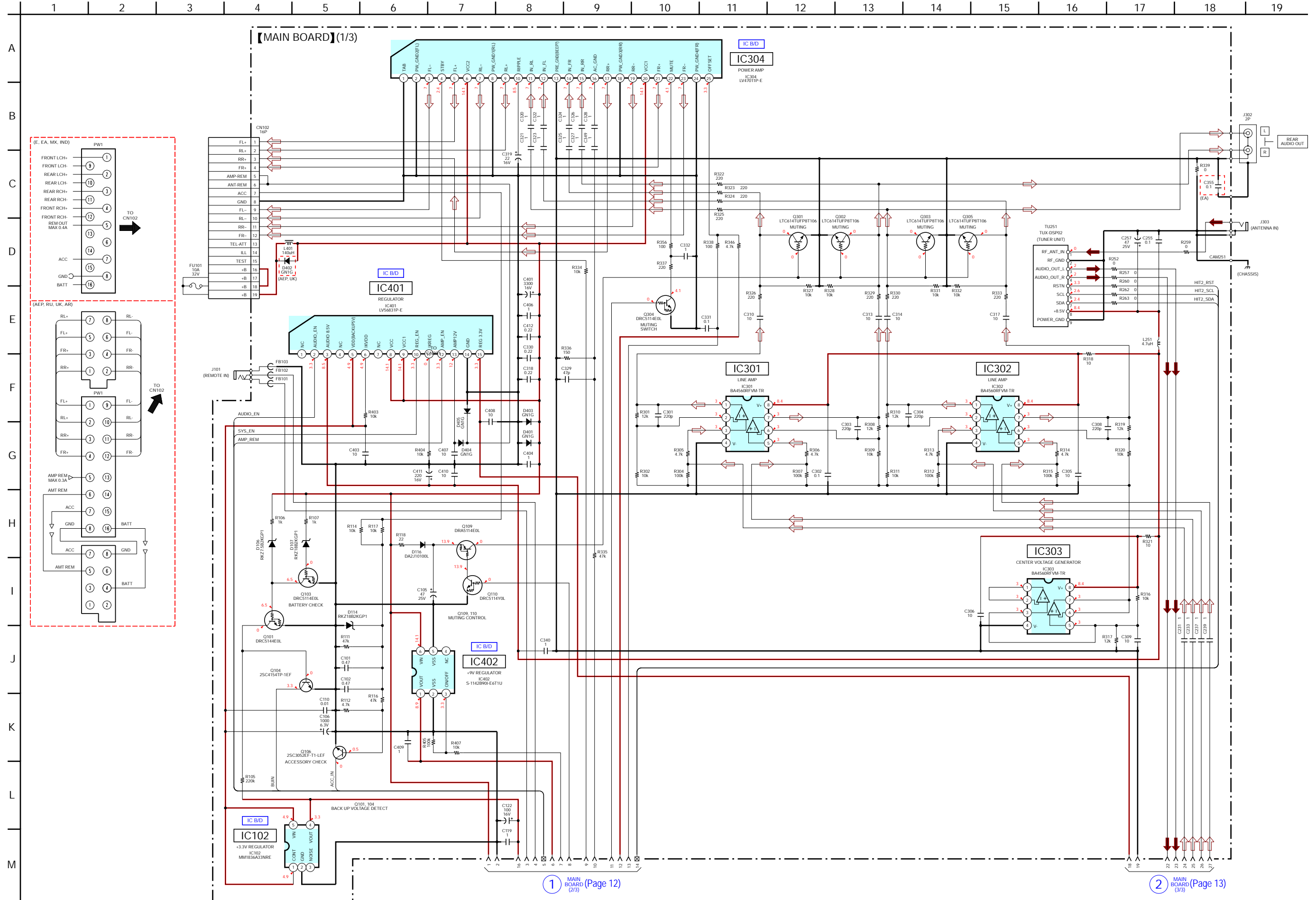
– MAIN Board –



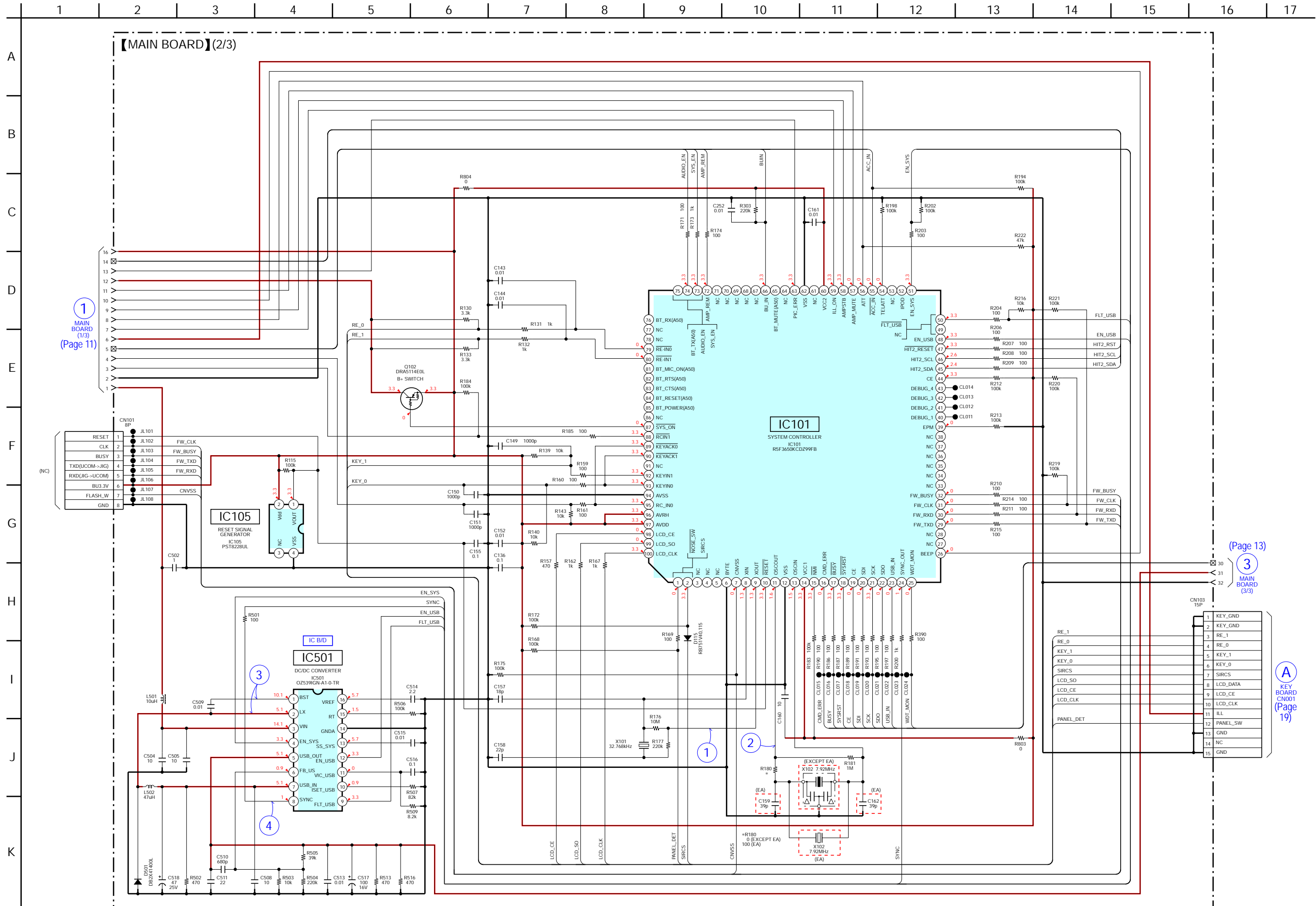
– KEY Board –



4-3. SCHEMATIC DIAGRAM - MAIN Board (1/3) - • See page 20 for IC Block Diagrams.



4-4. SCHEMATIC DIAGRAM - MAIN Board (2/3) - • See page 10 for waveforms. • See page 20 for IC Block Diagrams. • See page 21 for IC Pin Function Description.



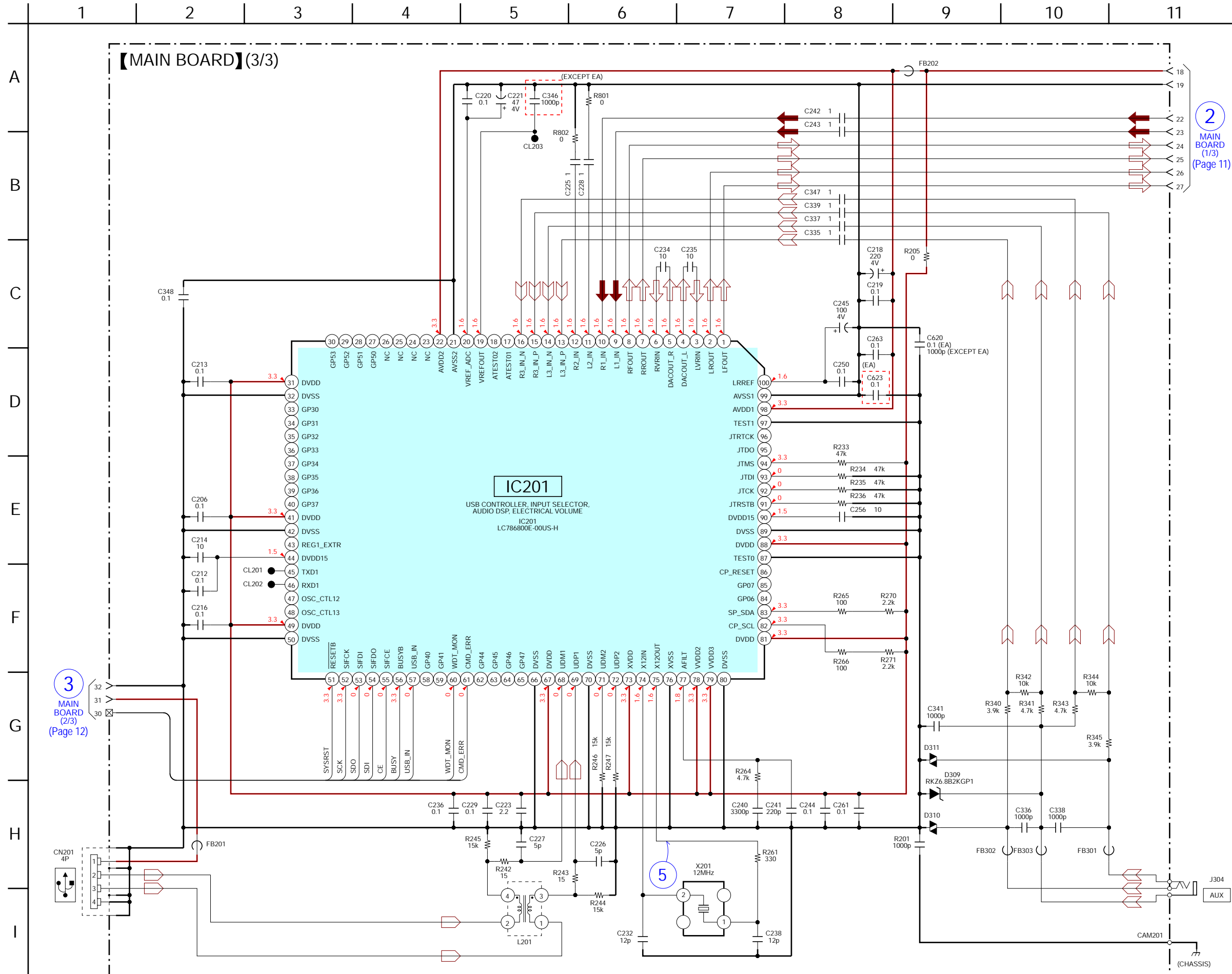
1 MAIN BOARD (1/3) (Page 11)

3 MAIN BOARD (3/3) (Page 13)

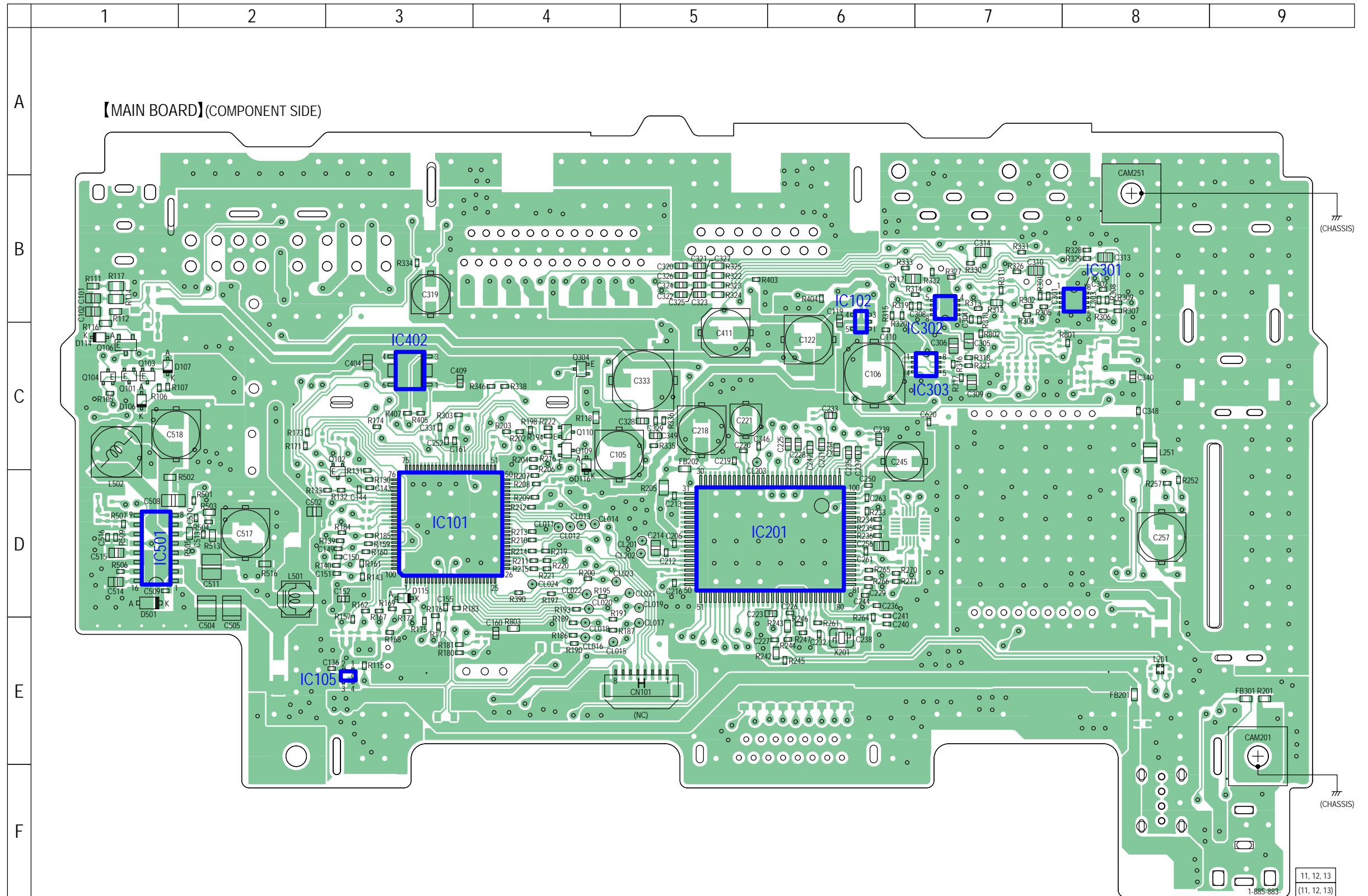
A KEY BOARD CN001 (Page 19)

Note: When the system controller (IC101) in this unit is replaced, the destination setting is necessary. Refer to "NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING" (page 4).

4-5. SCHEMATIC DIAGRAM - MAIN Board (3/3) - • See page 10 for waveforms. See page 21 for IC Pin Function Description.

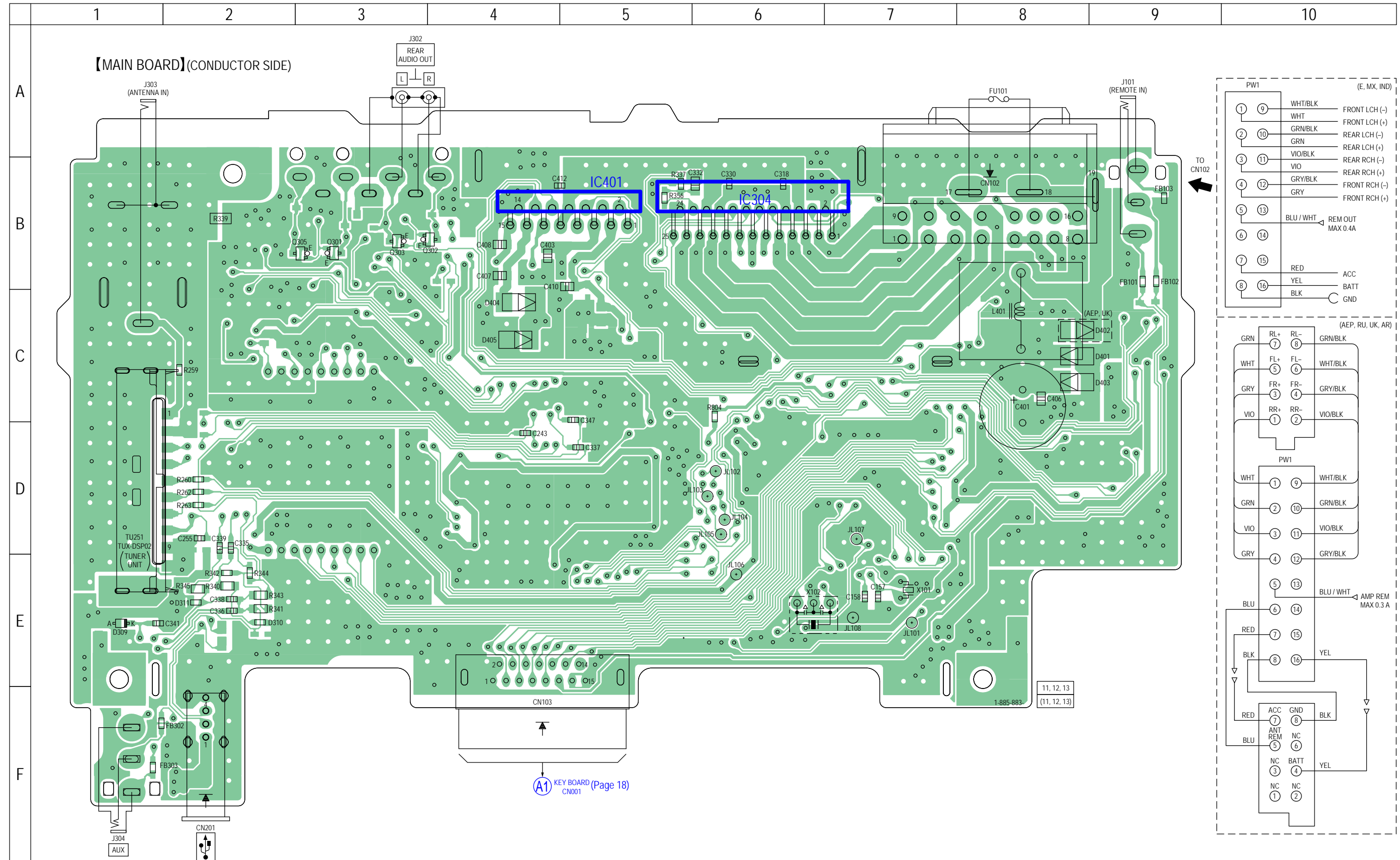


4-6. PRINTED WIRING BOARD - MAIN Board (Component Side) (Except Saudi Arabia model) -  : Uses unleaded solder.

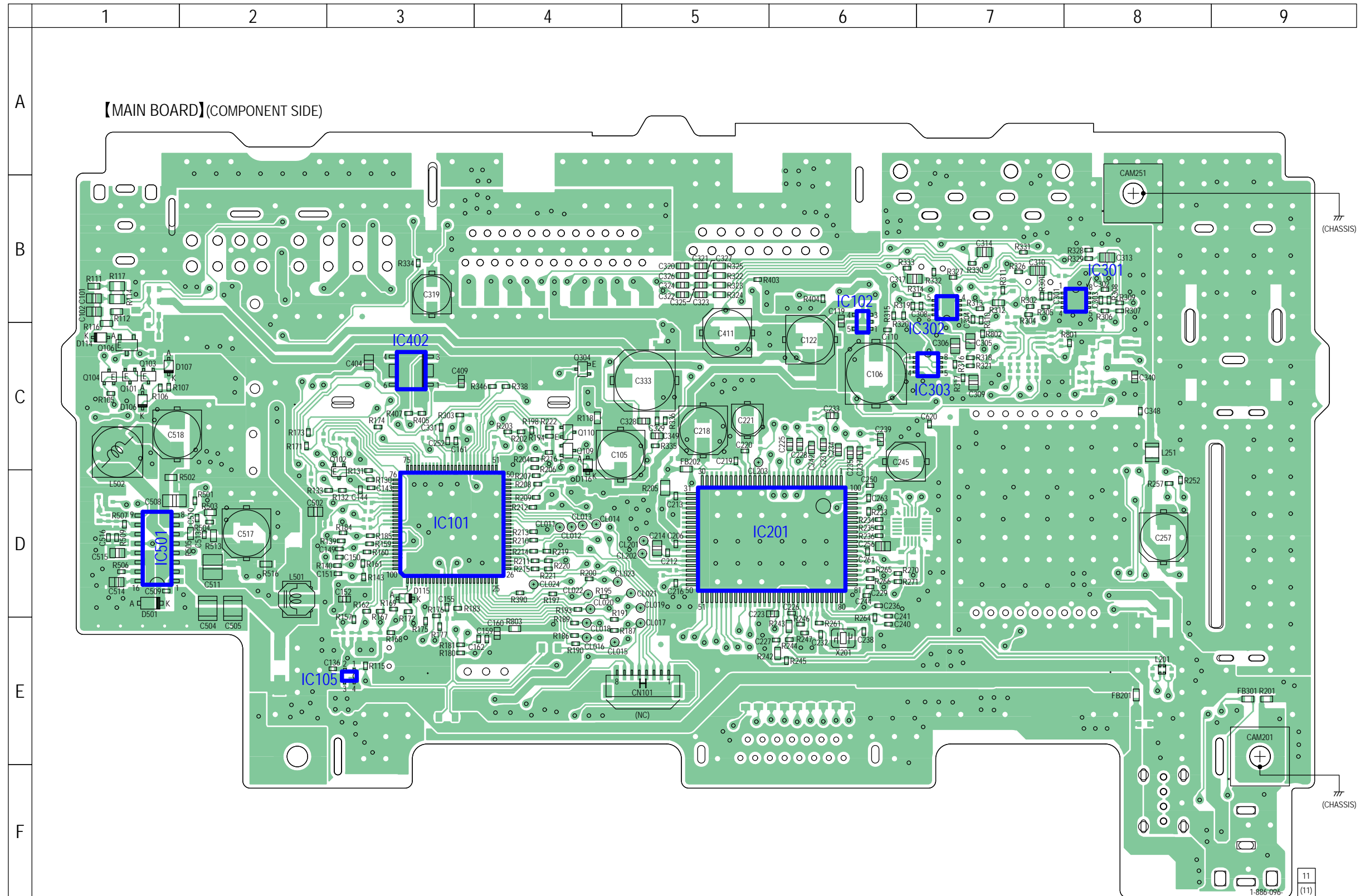


Note: When the system controller (IC101) in this unit is replaced, the destination setting is necessary. Refer to "NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING" (page 4).

4-7. PRINTED WIRING BOARD - MAIN Board (Conductor Side) (Except Saudi Arabia model) - •  : Uses unleaded solder.

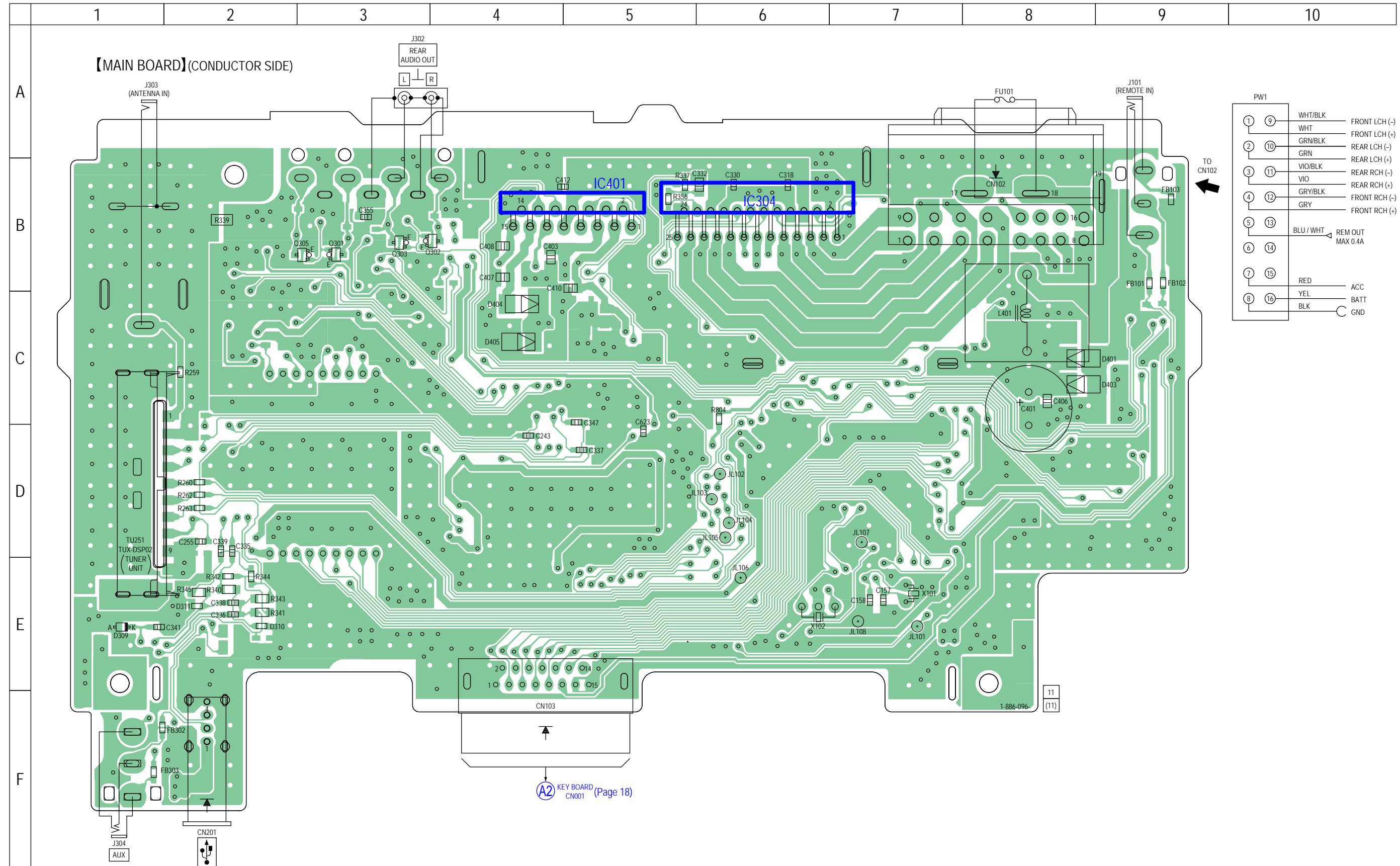


4-8. PRINTED WIRING BOARD - MAIN Board (Component Side) (Saudi Arabia model) -  : Uses unleaded solder.

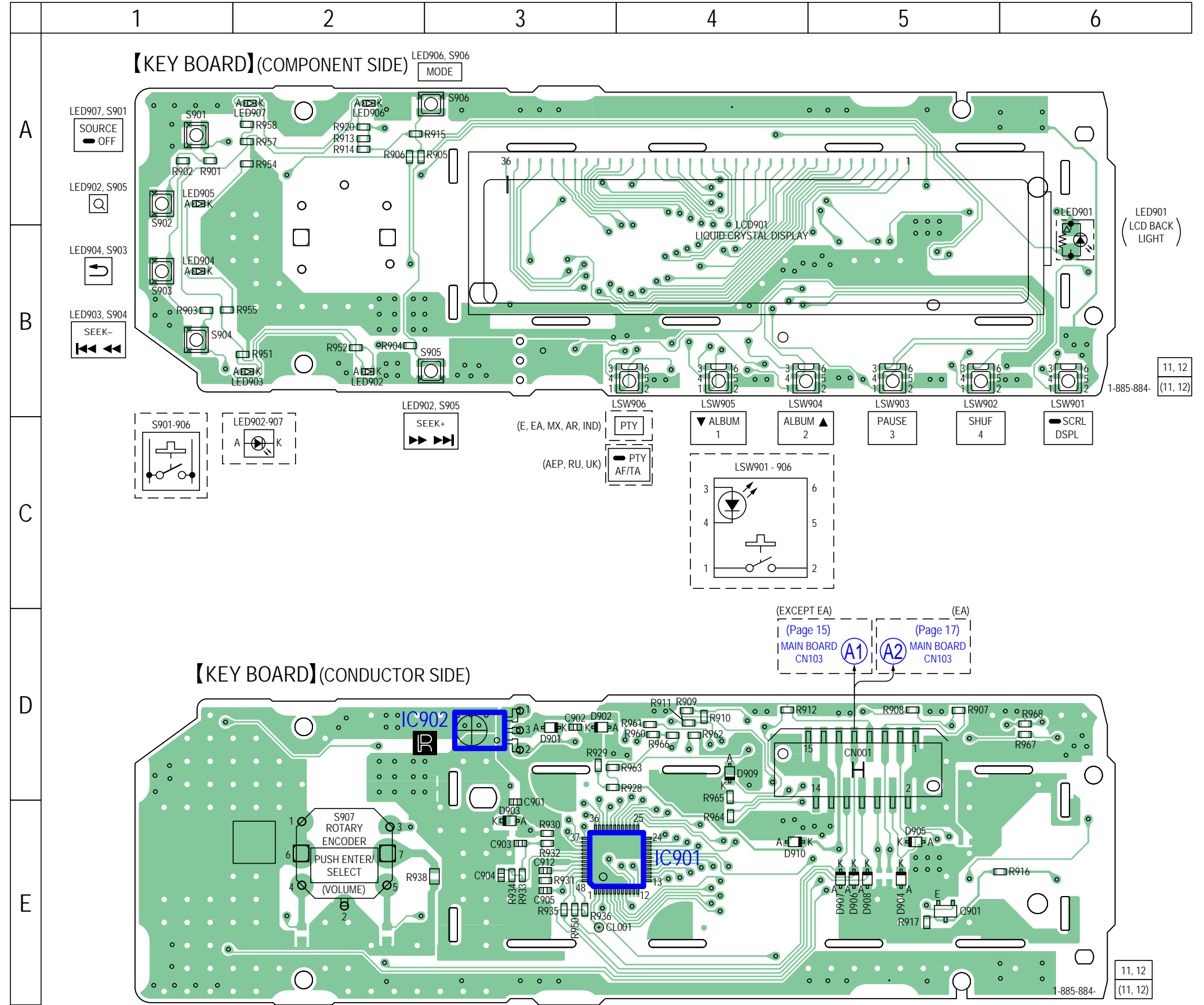


Note: When the system controller (IC101) in this unit is replaced, the destination setting is necessary. Refer to "NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING" (page 4).

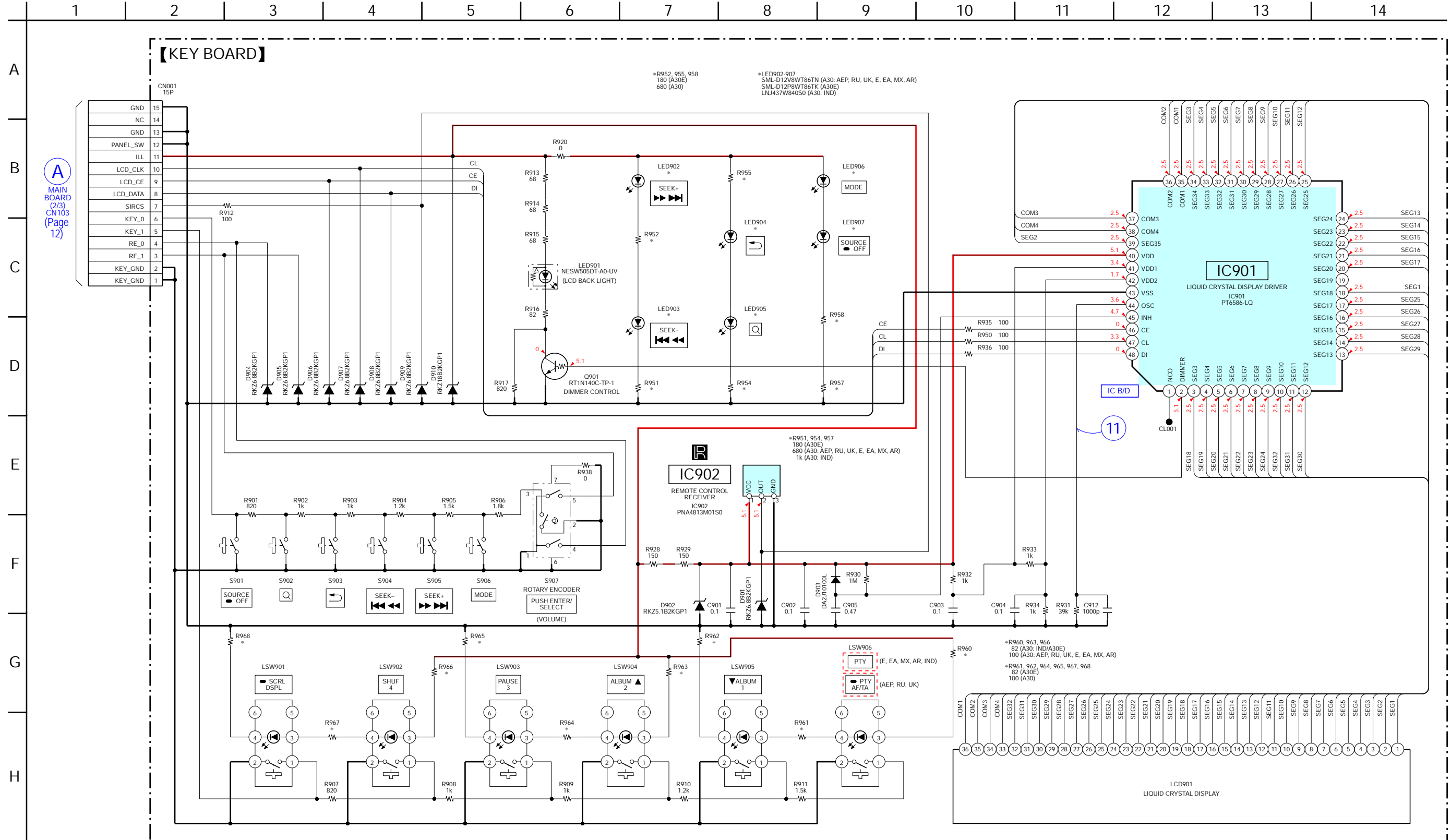
4-9. PRINTED WIRING BOARD - MAIN Board (Conductor Side) (Saudi Arabia model) - •  : Uses unleaded solder.



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

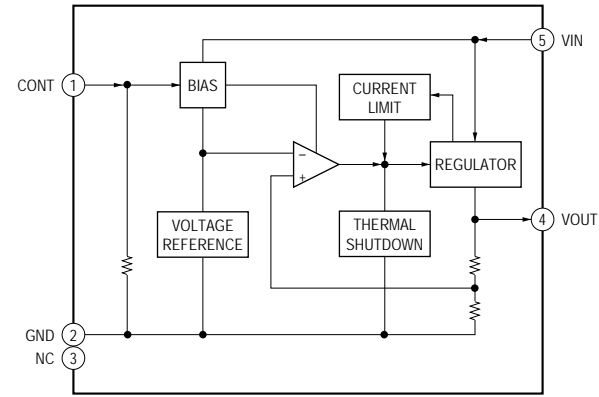


4-11. SCHEMATIC DIAGRAM - KEY Board - • See page 10 for waveforms. • See page 20 for IC Block Diagrams.

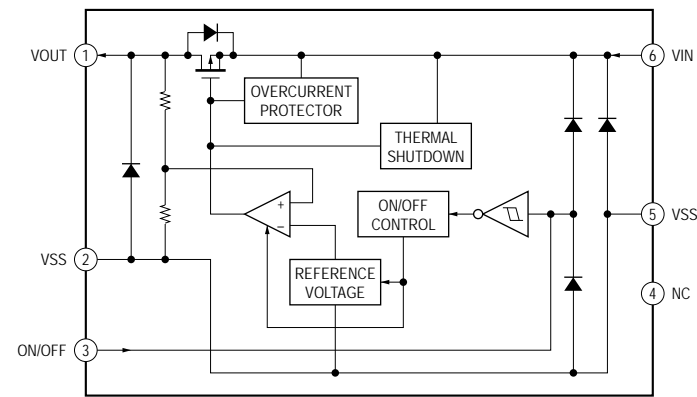


• IC Block Diagrams

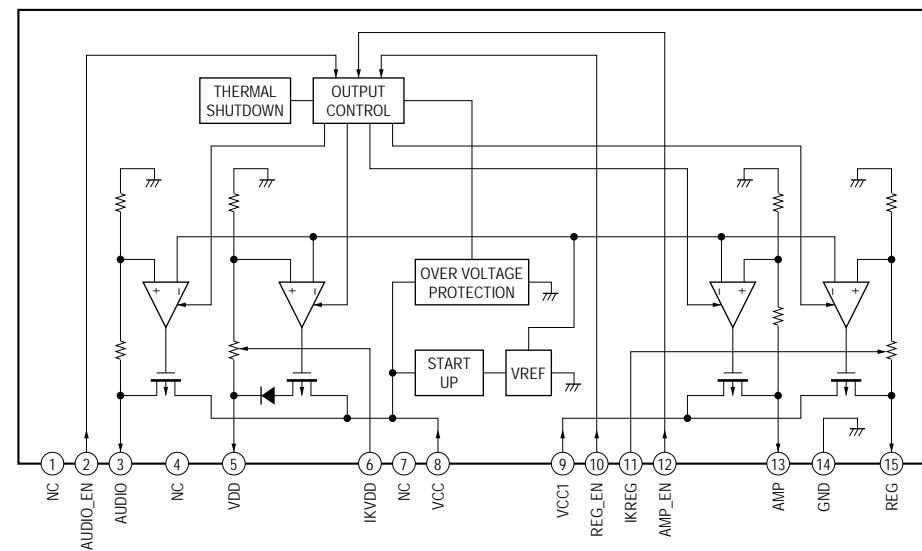
– MAIN Board –
IC102 MM1836A33NRE



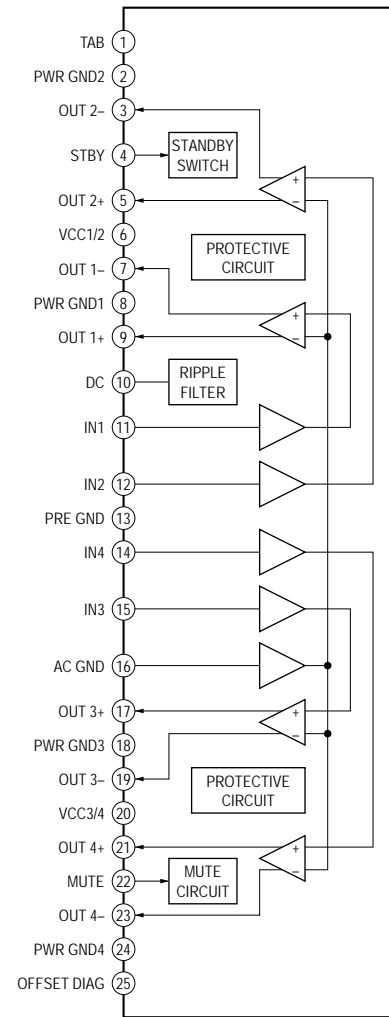
IC402 S-1142B90I-E6T1U



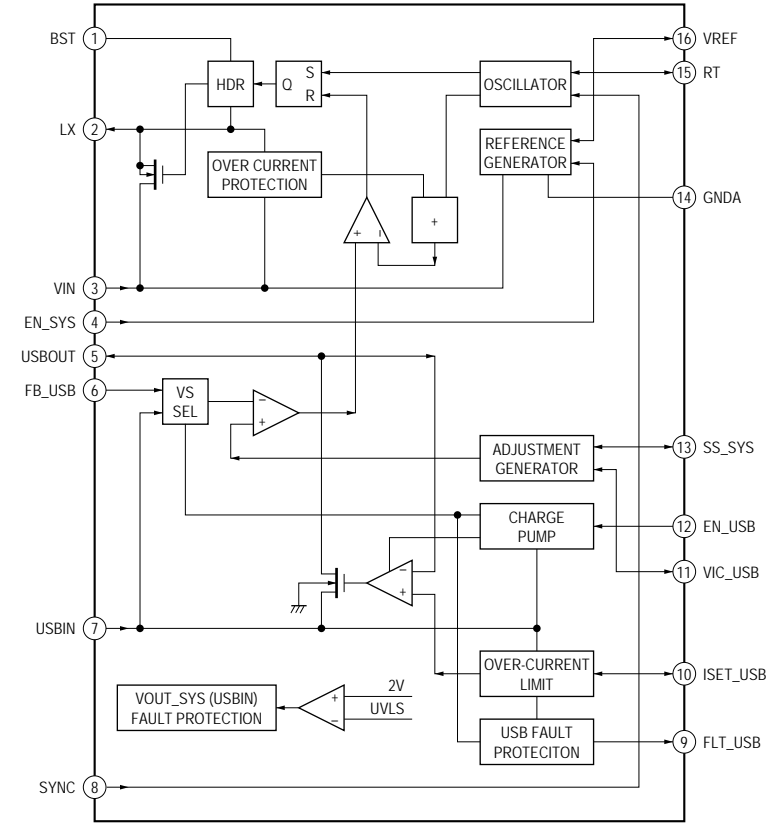
IC401 LV56831P-E



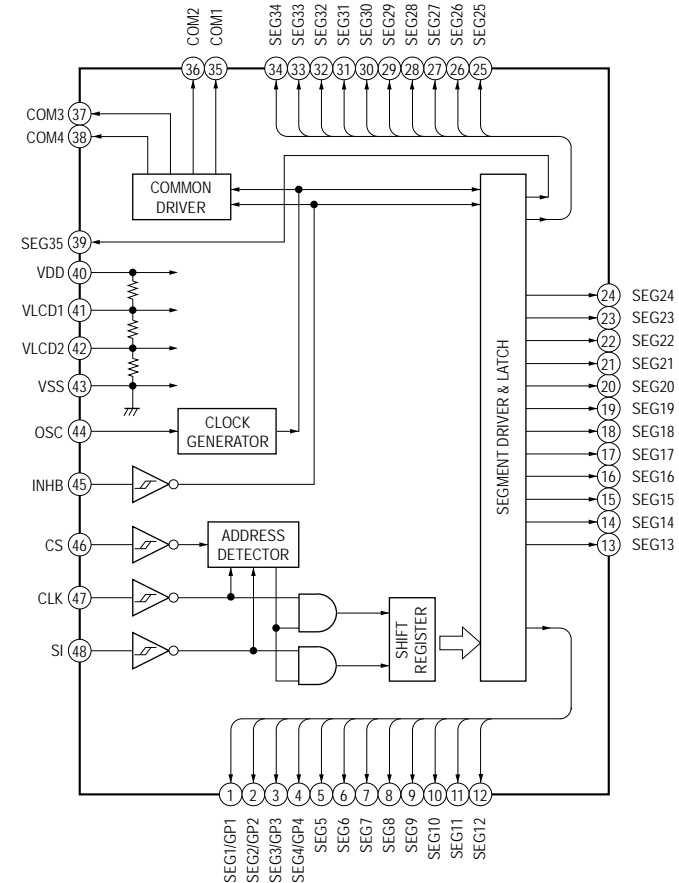
IC304 LV47011P-E



IC501 OZ539IGN-A1-0-TR



– KEY Board –
IC901 PT6586-LQ



• IC Pin Function Description

MAIN BOARD IC101 R5F3650KCDZ99FB (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	NOSE_SW	I	Front panel remove/attach detection signal input terminal "L": front panel is attached
2	SIRCS	I	Remote control signal input from the remote control receiver
3 to 5	NC	-	Not used
6	BYTE	I	External data bus width selection signal input terminal
7	CNVSS	I	Processor mode selection signal input terminal
8	XIN	I	Sub system clock input terminal (32.768 kHz)
9	XOUT	O	Sub system clock output terminal (32.768 kHz)
10	RESET	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it change to "H"
11	OSCOUT	O	Main system clock output terminal (7.92 MHz)
12	VSS	-	Ground terminal
13	OSCIN	I	Main system clock input terminal (7.92 MHz)
14	VCC1	-	Power supply terminal (+3.3V)
15	NMI	I	Non-maskable interrupt signal input terminal Fixed at "H" in this unit
16	CMD_ERR	I	Command error signal input from the USB controller
17	BUSY	I	Busy signal input from the USB controller
18	SYSRST	O	Reset signal output to the USB controller "L": reset
19	CE	O	Chip enable signal output to the USB controller
20	SDI	I	Serial data input from the USB controller
21	SCK	O	Serial data transfer clock signal output to the USB controller
22	SDO	O	Serial data output to the USB controller
23	USB_IN	I	USB device detection signal input from the USB controller
24	SYNC_OUT	O	Frequency control signal output to the DC/DC converter
25	WDT_MON	I	Watch-dog timer status monitor input from the USB controller
26	BEEP	O	Beep sound output to the power amplifier
27, 28	NC	-	Not used
29	FW_TXD	O	Serial data output terminal for flash writing
30	FW_RXD	I	Serial data input terminal for flash writing
31	FW_CLK	I	Serial data transfer clock signal input terminal for flash writing
32	FW_BUSY	O	Busy signal output terminal for flash writing
33 to 38	NC	-	Not used
39	EPM	O	EPM signal output terminal Fixed at "L" in this unit
40 to 43	DEBUG_1 to DEBUG_4	O	Debug terminal Not used
44	CE	O	Chip enable signal output terminal Fixed at "H" in this unit
45	HIT2_SDA	I/O	Two-way serial data bus with the tuner unit
46	HIT2_SCL	O	Serial data transfer clock signal output to the tuner unit
47	HIT2_RESET	O	Reset signal output to the tuner unit "L": reset
48	EN_USB	O	USB power switch on/off control signal output to the DC/DC converter "H": switch on
49	NC	-	Not used
50	FLT_USB	I	USB power supply switch fault status signal input from the DC/DC converter
51	EN_SYS	O	VBUS power supply on/off control signal output to the DC/DC converter "H": power on
52	IPOD	O	Not used
53	NC	-	Not used
54	TELATT	I	Telephone attenuator detection signal input terminal Fixed at "L" in this unit
55	ACC_IN	I	Accessory power detection signal input terminal
56	ATT	O	Audio muting on/off control signal output terminal "H": muting on
57	AMP_MUTE	O	Amplifier muting on/off control signal output to the power amplifier "H": muting on
58	AMPSTB	O	Standby signal output to the power amplifier "L": standby
59	ILL_ON	O	Power supply on/off control signal output terminal for illumination LED "H": power on
60	VCC2	-	Power supply terminal (+3.3V)
61	NC	-	Not used
62	VSS	-	Ground terminal
63	PIC_ERR	I	Error detection signal input from the power amplifier "L": error
64	NC	-	Not used
65	BT_MUTE (A50)	I	Muting control signal input terminal for Bluetooth section Not used
66	BU_IN	I	Back-up power detection signal input terminal

Pin No.	Pin Name	I/O	Description
67 to 71	NC	-	Not used
72	AMP_REM	O	Amplifier remote output on/off control signal output terminal "H": output on
73	SYS_EN	O	System power on/off control signal output to the DC/DC converter "H": power on
74	AUDIO_EN	O	Power supply on/off control signal output terminal for audio section "H": power on
75	BT_TX (A50)	O	Serial data output terminal for Bluetooth section Not used
76	BT_RX (A50)	I	Serial data input terminal for Bluetooth section Not used
77, 78	NC	-	Not used
79	RE_IN0	I	Jog dial pulse signal input from the rotary encoder (A phase input) (for volume)
80	RE_IN1	I	Jog dial pulse signal input from the rotary encoder (B phase input) (for volume)
81	BT_MIC_ON (A50)	O	Power control signal output terminal for microphone signal Not used
82	BT_RTS (A50)	O	Return to send signal output terminal for Bluetooth section Not used
83	BT_CTS (A50)	I	Clear to send signal input terminal for Bluetooth section Not used
84	BT_RESET (A50)	O	Reset signal output terminal for Bluetooth section Not used
85	BT_POWER (A50)	O	Power control signal output terminal for Bluetooth section Not used
86	NC	-	Not used
87	SYS_ON	O	System on/off control signal output terminal "L": system on
88	RCIN1	I	Rotary commander shift key input terminal
89	KEYACK0	I	Key acknowledge detection signal input terminal for the rotary commander key entry
90	KEYACK1	I	Key acknowledge detection signal input terminal for the front panel key entry
91	NC	-	Not used
92, 93	KEYIN1, KEYIN0	I	Front panel key signal input terminal
94	AVSS	-	Ground terminal (for A/D converter)
95	RC_IN0	I	Rotary commander key input terminal
96	AVRH	-	Reference voltage terminal (+3.3V) (for A/D converter)
97	AVDD	-	Power supply terminal (+3.3V) (for A/D converter)
98	LCD_CE	O	Chip enable signal output to the liquid crystal display driver
99	LCD_SO	O	Serial data output to the liquid crystal display driver
100	LCD_CLK	O	Serial data transfer clock signal output to the liquid crystal display driver

**MAIN BOARD IC201 LC786800E-00US-H
(USB CONTROLLER, INPUT SELECTOR, AUDIO DSP, ELECTRICAL VOLUME)**

Pin No.	Pin Name	I/O	Description
1	LFOUT	O	Audio signal (front L-ch) output terminal
2	LROUT	O	Audio signal (rear L-ch) output terminal
3	LVRIN	I	Audio signal (L-ch) input terminal
4	DACOUT_L	O	Audio signal (L-ch) output terminal
5	DACOUT_R	O	Audio signal (R-ch) output terminal
6	RVRIN	I	Audio signal (R-ch) input terminal
7	RROUT	O	Audio signal (rear R-ch) output terminal
8	RFOUT	O	Audio signal (front R-ch) output terminal
9	L1_IN	I	Audio signal (tuner L-ch) input terminal
10	R1_IN	I	Audio signal (tuner R-ch) input terminal
11	L2_IN	I	Audio signal (L-ch) input terminal Not used
12	R2_IN	I	Audio signal (R-ch) input terminal Not used
13	L3_IN_P	I	Audio signal (AUX L-ch) input terminal (positive)
14	L3_IN_N	I	Audio signal (AUX L-ch) input terminal (negative)
15	R3_IN_P	I	Audio signal (AUX R-ch) input terminal (positive)
16	R3_IN_N	I	Audio signal (AUX R-ch) input terminal (negative)
17, 18	ATEST01, ATEST02	-	Analog test terminal Not used
19	VREFOUT	O	External reference voltage output terminal
20	VREF_ADC	-	External capacitor connection terminal for audio A/D converter reference voltage
21	AVSS2	-	Ground terminal (for A/D converter)
22	AVDD2	-	Power supply terminal (+3.3V) (for A/D converter)
23 to 26	NC	-	Not used
27 to 30	GP50 to GP53	I/O	Not used
31	DVDD	-	Power supply terminal (+3.3V) (for digital system)
32	DVSS	-	Ground terminal (for digital system)
33 to 40	GP30 to GP37	I/O	Not used
41	DVDD	-	Power supply terminal (+3.3V) (for digital system)
42	DVSS	-	Ground terminal (for digital system)
43	REG1_EXTR	-	Internal regulator reserve terminal
44	DVDD15	-	External capacitor connection terminal for internal regulator
45	TXD1	O	Serial data output terminal Not used
46	RXD1	I	Serial data input terminal Not used
47, 48	OSC_CTL12, OSC_CTL13	I	Clock control signal input terminal Not used
49	DVDD	-	Power supply terminal (+3.3V) (for digital system)
50	DVSS	-	Ground terminal (for digital system)
51	RESETB	I	Reset signal input from the system controller "L": reset
52	SIFCK	I	Serial data transfer clock signal input from the system controller
53	SIFDI	I	Serial data input from the system controller
54	SIFDO	O	Serial data output to the system controller
55	SIFCE	I	Chip enable signal input from the system controller
56	BUSYB	O	Busy signal output to the system controller
57	USB_IN	O	USB device detection signal output to the system controller
58, 59	GP40, GP41	I/O	Not used
60	WDT_MON	O	Watch-dog timer status monitor output to the system controller
61	CMD_ERR	O	Command error signal output to the system controller
62 to 65	GP44 to GP47	I/O	Not used
66	DVDD	-	Power supply terminal (+3.3V) (for digital system)
67	DVSS	-	Ground terminal (for digital system)
68	UDM1	I/O	Two-way USB data (-) bus terminal
69	UDP1	I/O	Two-way USB data (+) bus terminal
70	DVSS	-	Ground terminal (for digital system)
71	UDM2	I/O	Two-way USB data (-) bus terminal Fixed at "L" in this unit
72	UDP2	I/O	Two-way USB data (+) bus terminal Fixed at "L" in this unit
73	XVDD	-	Power supply terminal (+3.3V) (for oscillation circuit)
74	X12IN	I	System clock input terminal (12 MHz)
75	X12OUT	O	System clock output terminal (12 MHz)
76	DVSS	-	Ground terminal (for oscillation circuit)

DSX-A30/A30E

Pin No.	Pin Name	I/O	Description
77	AFILT	O	Charge pump output terminal (for audio PLL)
78	VVDD2	-	Power supply terminal (+3.3V) (for audio PLL)
79	VVDD3	-	Power supply terminal (+3.3V) (for system PLL)
80	DVDD	-	Power supply terminal (+3.3V) (for digital system)
81	DVSS	-	Ground terminal (for digital system)
82	CP_SCL	O	Serial data transfer clock signal output terminal Fixed at "H" in this unit
83	SP_SDA	I/O	Two-way serial data bus terminal Fixed at "H" in this unit
84, 85	GP07, GP06	I/O	Not used
86	CP_RESET	O	Reset signal output terminal Not used
87	TEST0	I	Test mode setting terminal Fixed at "L"
88	DVDD	-	Power supply terminal (+3.3V) (for digital system)
89	DVSS	-	Ground terminal (for digital system)
90	DVDD15	-	External capacitor connection terminal for internal regulator
91	JTRSTB	I	Reset signal input terminal (for JTAG) Normally: fixed at "L"
92	JTCK	I	Clock signal input terminal (for JTAG) Normally: fixed at "L"
93	JTDI	I	Data input terminal (for JTAG) Normally: fixed at "L"
94	JTMS	I	Mode selection signal input terminal (for JTAG) Normally: fixed at "H"
95	JTDO	O	Data output terminal (for JTAG) Normally: open
96	JTRTCK	O	Return clock signal output terminal (for JTAG) Normally: open
97	TEST1	I	Test mode setting terminal Fixed at "L"
98	AVDD1	-	Power supply terminal (+3.3V) (for A/D converter)
99	AVSS1	-	Ground terminal (for A/D converter)
100	LRREF	-	External capacitor connection terminal for audio D/A converter and electrical volume reference voltage

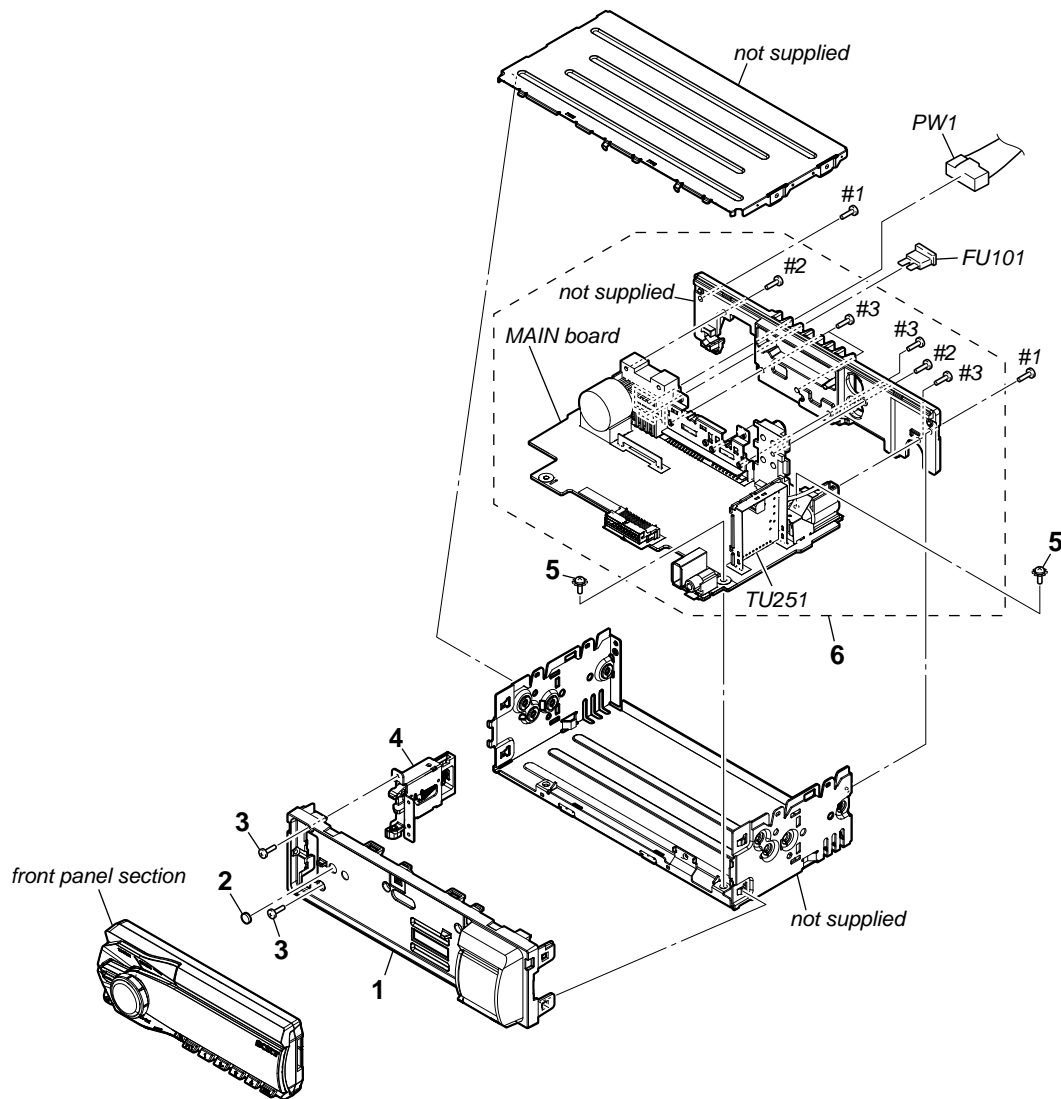
SECTION 5 EXPLODED VIEWS

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)

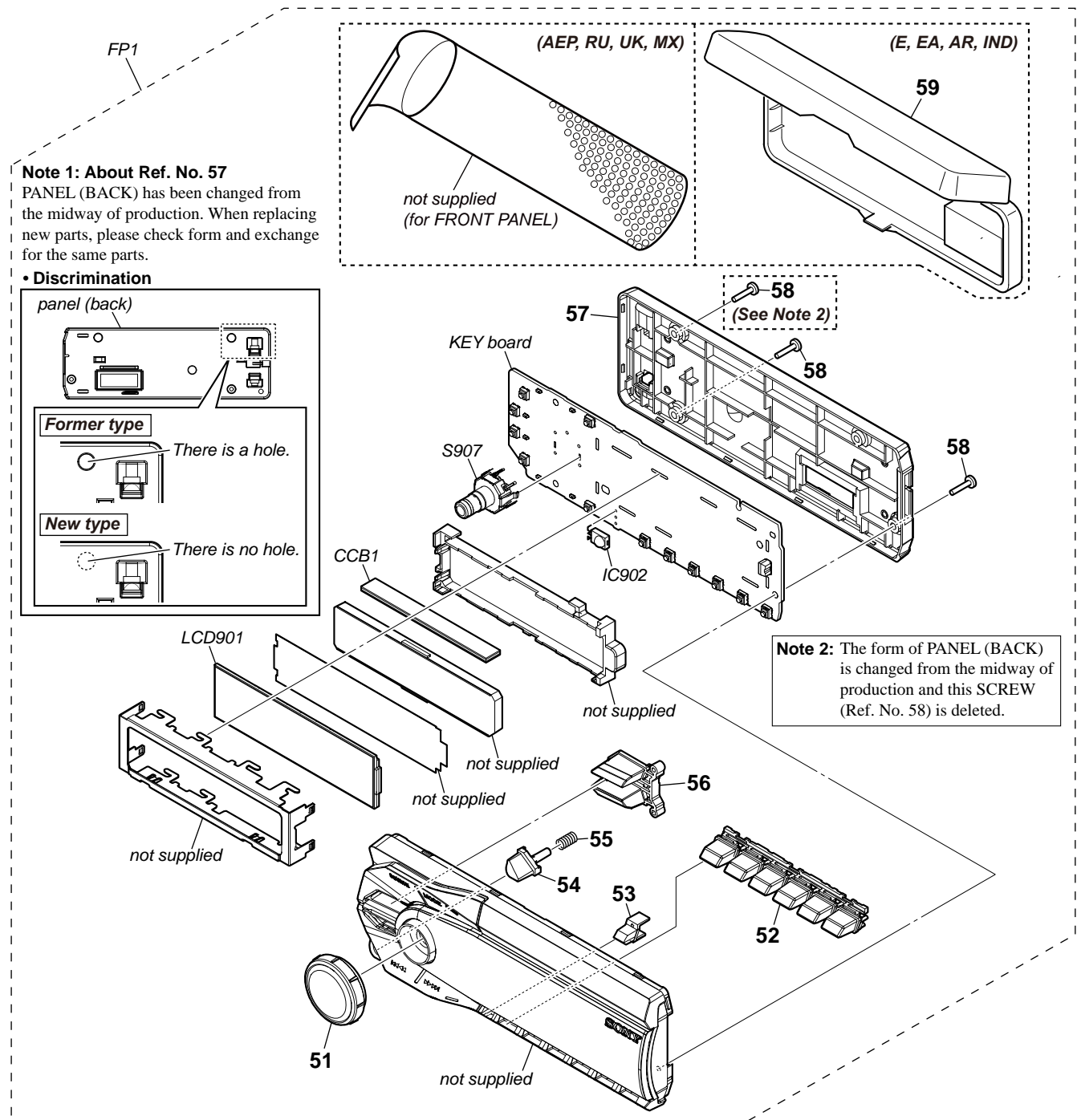
↑ Parts Color ↑ Cabinet's Color
- Abbreviation
 AR : Argentina model
 EA : Saudi Arabia model
 IND : Indian model
 MX : Mexican model
 RU : Russian model

5-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-2582-971-1	PANEL ASSY, SUB		PW1	1-839-372-11	CONNECTION CORD FOR AUTOMOBILE (POWER) (E, EA, MX, IND)	
2	3-243-844-02	CUSHION (SUB PANEL)		PW1	1-839-387-11	CONNECTION CORD (ISO) (POWER) (AEP, RU, UK, AR)	
3	3-042-244-11	SCREW (T)		TU251	A-1878-198-A	TUX-DSP02 (Tuner unit)	
4	X-2547-583-4	LOCK ASSY (T)		#1	7-685-793-01	SCREW +PTT 2.6X8 (S)	
5	4-410-504-01	SCREW (+PTT 2.6X6), GROUND POINT		#2	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
6	A-1850-321-A	MAIN BOARD, COMPLETE (RU, E, MX, AR, IND)		#3	7-685-794-01	SCREW +PTT 2.6X10 (S)	
6	A-1850-322-A	MAIN BOARD, COMPLETE (EA)					
6	A-1882-301-A	MAIN BOARD, COMPLETE (AEP, UK)					
FU101	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10 A/32 V)					

5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2582-973-1	KNOB (VOL) (SV) ASSY		59	X-2582-972-3	CASE ASSY (E, EA, AR, IND)	
52	4-290-697-02	BUTTON (PRESET) (PTY, 1, 2, 3, 4, DSPL) (E, EA, MX, AR, IND)		CCB1	1-780-904-12	CONDUCTIVE BOARD, CONNECTION	
52	4-290-697-12	BUTTON (PRESET) (AF/TA, 1, 2, 3, 4, DSPL) (AEP, RU, UK)		FP1	A-1850-343-A	PANEL OVERALL ASSY, FRONT (A30: IND)	
53	4-290-700-01	FILTER (IR) (☒)		FP1	A-1850-344-A	PANEL OVERALL ASSY, FRONT (A30: MX)	
54	4-290-699-01	BUTTON (RELEASE) (⏏)		FP1	A-1850-345-A	PANEL OVERALL ASSY, FRONT (A30: RU)	
55	2-639-881-01	SPRING (RELEASE)		FP1	A-1850-346-A	PANEL OVERALL ASSY, FRONT (A30E)	
56	4-290-696-02	BUTTON (BROWSE) (Q, →)		FP1	A-1861-387-A	PANEL OVERALL ASSY, FRONT (A30: E, EA, AR)	
57	4-290-692-01	PANEL (BACK) (Former type)		FP1	A-1882-303-A	PANEL OVERALL ASSY, FRONT (A30: AEP, UK)	
57	4-290-692-02	PANEL (BACK) (New type)		IC902	6-600-806-01	IC PNJ4813M01S0 (☒)	
58	4-290-177-01	SCREW (+B P-TITE M2)		LCD901	1-811-495-11	DISPLAY PANEL, LIQUID CRYSTAL	
				S907	1-487-023-22	ROTARY ENCODER (PUSH ENTER/SELECT)	

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. . .
- Abbreviation
AR : Argentina model
EA : Saudi Arabia model
IND : Indian model
MX : Mexican model
RU : Russian model

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		KEY BOARD *****					
		< CAPACITOR >					
C901	1-114-868-11	CERAMIC CHIP 0.1uF	10% 50V				
C902	1-114-868-11	CERAMIC CHIP 0.1uF	10% 50V				
C903	1-114-868-11	CERAMIC CHIP 0.1uF	10% 50V				
C904	1-114-868-11	CERAMIC CHIP 0.1uF	10% 50V				
C905	1-125-891-11	CERAMIC CHIP 0.47uF	10% 10V				
C912	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V				
		< CONNECTOR >					
CN001	1-842-257-22	PLUG, CONNECTOR 15P					
		< DIODE >					
D901	6-503-205-01	DIODE RKZ6.8B2KGP1					
D902	6-503-202-01	DIODE RKZ5.1B2KGP1					
D903	6-502-961-01	DIODE DA2J10100L					
D904	6-503-205-01	DIODE RKZ6.8B2KGP1					
D905	6-503-205-01	DIODE RKZ6.8B2KGP1					
D906	6-503-205-01	DIODE RKZ6.8B2KGP1					
D907	6-503-205-01	DIODE RKZ6.8B2KGP1					
D908	6-503-205-01	DIODE RKZ6.8B2KGP1					
D909	6-503-205-01	DIODE RKZ6.8B2KGP1					
D910	6-503-213-01	DIODE RKZ18B2KGP1					
		< IC >					
IC901	6-715-736-01	IC PT6586-LQ					
		< LED >					
LED901	6-503-227-01	LED NESW505DT-A0-UV (LCD BACK LIGHT)					
LED902	6-502-193-11	LED SML-D12V8WT86TN (SEEK+, ▶▶▶▶)	(A30: AEP, RU, UK, E, EA, MX, AR)	LED904	6-502-193-11	LED SML-D12V8WT86TN (↻)	(A30: AEP, RU, UK, E, EA, MX, AR)
LED902	6-502-325-11	LED SML-D12P8WT86TK (SEEK+, ▶▶▶▶)	(A30E)	LED904	6-502-325-11	LED SML-D12P8WT86TK (↻) (A30E)	
LED902	6-503-082-01	LED LNJ437W840S0 (SEEK+, ▶▶▶▶)	(A30: IND)	LED905	6-502-193-11	LED SML-D12V8WT86TN (Q)	(A30: AEP, RU, UK, E, EA, MX, AR)
LED903	6-502-193-11	LED SML-D12V8WT86TN (SEEK-, ◀◀◀◀)	(A30: AEP, RU, UK, E, EA, MX, AR)	LED905	6-502-325-11	LED SML-D12P8WT86TK (Q) (A30E)	
LED903	6-502-325-11	LED SML-D12P8WT86TK (SEEK-, ◀◀◀◀)	(A30E)	LED905	6-503-082-01	LED LNJ437W840S0 (Q) (A30: IND)	
LED903	6-503-082-01	LED LNJ437W840S0 (SEEK-, ◀◀◀◀)	(A30: IND)	LED906	6-502-193-11	LED SML-D12V8WT86TN (MODE)	(A30: AEP, RU, UK, E, EA, MX, AR)
LED904	6-502-193-11	LED SML-D12V8WT86TN (↻)	(A30: AEP, RU, UK, E, EA, MX, AR)	LED906	6-502-325-11	LED SML-D12P8WT86TK (MODE) (A30E)	
LED904	6-502-325-11	LED SML-D12P8WT86TK (↻) (A30E)		LED906	6-503-082-01	LED LNJ437W840S0 (MODE) (A30: IND)	
		< SWITCH >		LED907	6-502-193-11	LED SML-D12V8WT86TN (SOURCE, ◀ OFF)	(A30: AEP, RU, UK, E, EA, MX, AR)
LSW901	1-798-283-11	TACTILE SWITCH (WITH LED) (▶ SCRL, DSPL)	(A30E)	LED907	6-502-325-11	LED SML-D12P8WT86TK (SOURCE, ◀ OFF)	(A30E)
LSW901	1-798-287-11	TACTILE SWITCH (WITH LED) (▶ SCRL, DSPL)	(A30: AEP, RU, UK, E, EA, MX, AR)	LED907	6-503-082-01	LED LNJ437W840S0 (SOURCE, ◀ OFF)	(A30: IND)
LSW901	1-798-356-11	TACTILE SWITCH (WITH LED) (▶ SCRL, DSPL)	(A30: IND)				
LSW902	1-798-283-11	TACTILE SWITCH (WITH LED) (SHUF, 4)	(A30E)				
LSW902	1-798-287-11	TACTILE SWITCH (WITH LED) (SHUF, 4)	(A30: AEP, RU, UK, E, EA, MX, AR)				
LSW902	1-798-356-11	TACTILE SWITCH (WITH LED) (SHUF, 4)	(A30: IND)				
LSW903	1-798-283-11	TACTILE SWITCH (WITH LED) (PAUSE, 3)	(A30E)				
LSW903	1-798-287-11	TACTILE SWITCH (WITH LED) (PAUSE, 3)	(A30: AEP, RU, UK, E, EA, MX, AR)				
LSW903	1-798-356-11	TACTILE SWITCH (WITH LED) (PAUSE, 3)	(A30: IND)				
LSW904	1-798-283-11	TACTILE SWITCH (WITH LED) (ALBUM ▲, 2)	(A30E)				
LSW904	1-798-287-11	TACTILE SWITCH (WITH LED) (ALBUM ▲, 2)	(A30: AEP, RU, UK, E, EA, MX, AR)				
LSW904	1-798-356-11	TACTILE SWITCH (WITH LED) (ALBUM ▲, 2)	(A30: IND)				
LSW905	1-798-283-11	TACTILE SWITCH (WITH LED) (▼ ALBUM, 1)	(A30E)				
LSW905	1-798-287-11	TACTILE SWITCH (WITH LED) (▼ ALBUM, 1)	(A30: AEP, RU, UK, E, EA, MX, AR)				
LSW905	1-798-356-11	TACTILE SWITCH (WITH LED) (▼ ALBUM, 1)	(A30: IND)				
LSW906	1-798-283-11	TACTILE SWITCH (WITH LED) (▶ PTY, AF/TA)	(A30E)				

DSX-A30/A30E

Ver. 1.2

KEY **MAIN**

Ref. No.	Part No.	Description	Remark
LSW906	1-798-287-11	TACTILE SWITCH (WITH LED) (● PTY, AF/TA) (A30: AEP, RU, UK)	
LSW906	1-798-287-11	TACTILE SWITCH (WITH LED) (PTY) (A30: E, EA, MX, AR)	
LSW906	1-798-356-11	TACTILE SWITCH (WITH LED) (PTY) (A30: IND)	
< TRANSISTOR >			
Q901	8-729-038-22	TRANSISTOR RT1N140C-TP-1	
< RESISTOR >			
R901	1-216-820-11	METAL CHIP 820 5% 1/10W	
R902	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R903	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R904	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R905	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R906	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
R907	1-216-820-11	METAL CHIP 820 5% 1/10W	
R908	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R909	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R910	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R911	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R912	1-216-809-11	METAL CHIP 100 5% 1/10W	
R913	1-216-807-11	METAL CHIP 68 5% 1/10W	
R914	1-216-807-11	METAL CHIP 68 5% 1/10W	
R915	1-216-807-11	METAL CHIP 68 5% 1/10W	
R916	1-216-808-11	METAL CHIP 82 5% 1/10W	
R917	1-216-820-11	METAL CHIP 820 5% 1/10W	
R920	1-216-864-11	SHORT CHIP 0	
R928	1-216-811-11	METAL CHIP 150 5% 1/10W	
R929	1-216-811-11	METAL CHIP 150 5% 1/10W	
R930	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R931	1-216-840-11	METAL CHIP 39K 5% 1/10W	
R932	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R933	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R934	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R935	1-216-809-11	METAL CHIP 100 5% 1/10W	
R936	1-216-809-11	METAL CHIP 100 5% 1/10W	
R938	1-216-295-91	SHORT CHIP 0	
R950	1-216-809-11	METAL CHIP 100 5% 1/10W	
R951	1-216-812-11	METAL CHIP 180 5% 1/10W (A30E)	
R951	1-216-819-11	METAL CHIP 680 5% 1/10W (A30: AEP, RU, UK, E, EA, MX, AR)	
R951	1-216-821-11	METAL CHIP 1K 5% 1/10W (A30: IND)	
R952	1-216-812-11	METAL CHIP 180 5% 1/10W (A30E)	
R952	1-216-819-11	METAL CHIP 680 5% 1/10W (A30)	
R954	1-216-812-11	METAL CHIP 180 5% 1/10W (A30E)	
R954	1-216-819-11	METAL CHIP 680 5% 1/10W (A30: AEP, RU, UK, E, EA, MX, AR)	
R954	1-216-821-11	METAL CHIP 1K 5% 1/10W (A30: IND)	
R955	1-216-812-11	METAL CHIP 180 5% 1/10W (A30E)	
R955	1-216-819-11	METAL CHIP 680 5% 1/10W (A30)	
R957	1-216-812-11	METAL CHIP 180 5% 1/10W (A30E)	

Ref. No.	Part No.	Description	Remark
R957	1-216-819-11	METAL CHIP 680 5% 1/10W (A30: AEP, RU, UK, E, EA, MX, AR)	
R957	1-216-821-11	METAL CHIP 1K 5% 1/10W (A30: IND)	
R958	1-216-812-11	METAL CHIP 180 5% 1/10W (A30E)	
R958	1-216-819-11	METAL CHIP 680 5% 1/10W (A30)	
R960	1-216-808-11	METAL CHIP 82 5% 1/10W (A30: IND/A30E)	
R960	1-216-809-11	METAL CHIP 100 5% 1/10W (A30: AEP, RU, UK, E, EA, MX, AR)	
R961	1-216-808-11	METAL CHIP 82 5% 1/10W (A30E)	
R961	1-216-809-11	METAL CHIP 100 5% 1/10W (A30)	
R962	1-216-808-11	METAL CHIP 82 5% 1/10W (A30E)	
R962	1-216-809-11	METAL CHIP 100 5% 1/10W (A30)	
R963	1-216-808-11	METAL CHIP 82 5% 1/10W (A30: IND/A30E)	
R963	1-216-809-11	METAL CHIP 100 5% 1/10W (A30: AEP, RU, UK, E, EA, MX, AR)	
R964	1-216-808-11	METAL CHIP 82 5% 1/10W (A30E)	
R964	1-216-809-11	METAL CHIP 100 5% 1/10W (A30)	
R965	1-216-808-11	METAL CHIP 82 5% 1/10W (A30E)	
R965	1-216-809-11	METAL CHIP 100 5% 1/10W (A30)	
R966	1-216-808-11	METAL CHIP 82 5% 1/10W (A30: IND/A30E)	
R966	1-216-809-11	METAL CHIP 100 5% 1/10W (A30: AEP, RU, UK, E, EA, MX, AR)	
R967	1-216-808-11	METAL CHIP 82 5% 1/10W (A30E)	
R967	1-216-809-11	METAL CHIP 100 5% 1/10W (A30)	
R968	1-216-808-11	METAL CHIP 82 5% 1/10W (A30E)	
R968	1-216-809-11	METAL CHIP 100 5% 1/10W (A30)	
< SWITCH >			
S901	1-798-284-11	TACTILE SWITCH (SOURCE, ● OFF)	
S902	1-798-284-11	TACTILE SWITCH (Q)	
S903	1-798-284-11	TACTILE SWITCH (S)	
S904	1-798-284-11	TACTILE SWITCH (SEEK-, ◀◀◀◀)	
S905	1-798-284-11	TACTILE SWITCH (SEEK+, ▶▶▶▶)	
S906	1-798-284-11	TACTILE SWITCH (MODE)	

	A-1850-321-A	MAIN BOARD, COMPLETE (RU, E, MX, AR, IND)	
	A-1850-322-A	MAIN BOARD, COMPLETE (EA)	
	A-1882-301-A	MAIN BOARD, COMPLETE (AEP, UK) *****	
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
	7-685-794-01	SCREW +PTT 2.6X10 (S)	
< CAPACITOR >			
C101	1-114-329-11	CERAMIC CHIP 0.47uF 10% 50V	

Note: When the MAIN board in this unit is replaced, the destination setting is necessary. Refer to "NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING" (page 4).

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C102	1-114-329-11	CERAMIC CHIP	0.47uF 10% 50V	C304	1-164-882-11	CERAMIC CHIP	220PF 5% 16V
C105	1-128-992-21	ELECT CHIP	47uF 20% 25V	C305	1-114-419-21	CERAMIC CHIP	10uF 10% 16V
C106	1-100-588-21	ELECT CHIP	1000uF 20% 6.3V	C306	1-114-419-21	CERAMIC CHIP	10uF 10% 16V
C110	1-100-567-81	CERAMIC CHIP	0.01uF 10% 25V	C308	1-164-882-11	CERAMIC CHIP	220PF 5% 16V
C119	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	C309	1-100-966-91	CERAMIC CHIP	10uF 20% 10V
C122	1-135-366-11	ELECT CHIP	100uF 20% 16V	C310	1-100-966-91	CERAMIC CHIP	10uF 20% 10V
C136	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C313	1-100-966-91	CERAMIC CHIP	10uF 20% 10V
C143	1-100-567-81	CERAMIC CHIP	0.01uF 10% 25V	C314	1-100-966-91	CERAMIC CHIP	10uF 20% 10V
C144	1-100-567-81	CERAMIC CHIP	0.01uF 10% 25V	C317	1-100-966-91	CERAMIC CHIP	10uF 20% 10V
C149	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V	C318	1-114-326-11	CERAMIC CHIP	0.22uF 10% 25V
C150	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V	C319	1-137-893-11	ELECT CHIP	22uF 20% 16V
C151	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V	C320	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C152	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C321	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C155	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C322	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C157	1-162-918-11	CERAMIC CHIP	18PF 5% 50V	C323	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C158	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	C324	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C159	1-164-864-11	CERAMIC CHIP	39PF 5% 50V (EA)	C325	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C160	1-116-720-11	CERAMIC CHIP	10uF 20% 6.3V	C326	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C161	1-100-567-81	CERAMIC CHIP	0.01uF 10% 25V	C327	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C162	1-164-864-11	CERAMIC CHIP	39PF 5% 50V (EA)	C328	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C206	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C329	1-164-866-11	CERAMIC CHIP	47PF 5% 50V
C212	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C330	1-114-326-11	CERAMIC CHIP	0.22uF 10% 25V
C213	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C331	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C214	1-100-966-91	CERAMIC CHIP	10uF 20% 10V	C332	1-100-591-91	CERAMIC CHIP	1uF 10% 25V
C216	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C335	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C218	1-126-210-21	ELECT CHIP	220uF 20% 4V	C336	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C219	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C337	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C220	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C338	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C221	1-126-208-21	ELECT CHIP	47uF 20% 4V	C339	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C223	1-100-742-91	CERAMIC CHIP	2.2uF 20% 10V	C340	1-112-298-91	CERAMIC CHIP	1uF 10% 16V
C225	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C341	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V
C226	1-164-845-11	CERAMIC CHIP	5PF 0.25PF 50V	C346	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V
C227	1-164-845-11	CERAMIC CHIP	5PF 0.25PF 50V				(EXCEPT EA)
C228	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C347	1-165-908-11	CERAMIC CHIP	1uF 10% 10V
C229	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C348	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C231	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C349	1-114-813-11	CERAMIC CHIP	1uF 10% 16V
C232	1-164-852-11	CERAMIC CHIP	12PF 5% 50V	C355	1-114-868-11	CERAMIC CHIP	0.1uF 10% 50V (EA)
C233	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C401	1-116-894-11	ELECT	3300uF 20% 16V
C234	1-116-720-11	CERAMIC CHIP	10uF 20% 6.3V	C403	1-100-966-91	CERAMIC CHIP	10uF 20% 10V
C235	1-116-720-11	CERAMIC CHIP	10uF 20% 6.3V	C404	1-100-591-91	CERAMIC CHIP	1uF 10% 25V
C236	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C406	1-100-591-91	CERAMIC CHIP	1uF 10% 25V
C237	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C407	1-114-419-21	CERAMIC CHIP	10uF 10% 16V
C238	1-164-852-11	CERAMIC CHIP	12PF 5% 50V	C408	1-100-966-91	CERAMIC CHIP	10uF 20% 10V
C239	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C409	1-100-352-91	CERAMIC CHIP	1uF 20% 16V
C240	1-164-940-11	CERAMIC CHIP	0.0033uF 10% 16V	C410	1-114-419-21	CERAMIC CHIP	10uF 10% 16V
C241	1-164-882-11	CERAMIC CHIP	220PF 5% 16V	C411	1-100-767-21	ELECT CHIP	220uF 20% 16V
C242	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C412	1-114-326-11	CERAMIC CHIP	0.22uF 10% 25V
C243	1-112-298-91	CERAMIC CHIP	1uF 10% 16V	C502	1-100-591-91	CERAMIC CHIP	1uF 10% 25V
C244	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C504	1-114-334-11	CERAMIC CHIP	10uF 10% 25V
C245	1-126-209-11	ELECT CHIP	100uF 20% 4V	C505	1-114-334-11	CERAMIC CHIP	10uF 10% 25V
C250	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C508	1-100-672-11	CERAMIC CHIP	10uF 20% 16V
C252	1-100-567-81	CERAMIC CHIP	0.01uF 10% 25V	C509	1-164-943-81	CERAMIC CHIP	0.01uF 10% 16V
C255	1-114-868-11	CERAMIC CHIP	0.1uF 10% 50V	C510	1-164-936-11	CERAMIC CHIP	680PF 10% 50V
C256	1-100-966-91	CERAMIC CHIP	10uF 20% 10V	C511	1-100-055-21	CERAMIC CHIP	22uF 20% 16V
C257	1-128-992-21	ELECT CHIP	47uF 20% 25V	C513	1-100-567-81	CERAMIC CHIP	0.01uF 10% 25V
C261	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C514	1-114-330-11	CERAMIC CHIP	2.2uF 10% 16V
C263	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C515	1-112-034-91	CERAMIC CHIP	0.01uF 5% 50V
C301	1-164-882-11	CERAMIC CHIP	220PF 5% 16V	C516	1-114-582-91	CERAMIC CHIP	0.1uF 10% 16V
C302	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C517	1-117-681-11	ELECT CHIP	100uF 20% 16V
C303	1-164-882-11	CERAMIC CHIP	220PF 5% 16V	C518	1-128-992-21	ELECT CHIP	47uF 20% 25V

DSX-A30/A30E

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MAIN

Ref. No.	Part No.	Description	Remark
C620	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V (EA)
C620	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V (EXCEPT EA)
C623	1-114-868-11	CERAMIC CHIP 0.1uF	10% 50V (EA)
< CONNECTOR >			
CN101	1-779-806-21	CONNECTOR 8P	
CN102	1-843-352-11	PIN, CONNECTOR 16P	
CN103	1-842-256-22	SOCKET, CONNECTOR 15P	
CN201	1-843-174-11	USB CONNECTOR (ψ)	
< DIODE >			
D106	6-503-206-01	DIODE RKZ7.5B2KGP1	
D107	6-503-213-01	DIODE RKZ18B2KGP1	
D114	6-503-213-01	DIODE RKZ18B2KGP1	
D115	6-503-759-01	DIODE RB751V40,115	
D116	6-502-961-01	DIODE DA2J10100L	
D309	6-503-205-01	DIODE RKZ6.8B2KGP1	
D310	1-805-043-11	ABSORBER, CHIP SURGE	
D311	1-805-043-11	ABSORBER, CHIP SURGE	
D401	6-503-238-01	DIODE GN1G	
D402	6-503-238-01	DIODE GN1G (AEP, UK)	
D403	6-503-238-01	DIODE GN1G	
D404	6-503-238-01	DIODE GN1G	
D405	6-503-238-01	DIODE GN1G	
D501	6-503-319-01	DIODE DB2X41400L	
< FERRITE BEAD >			
FB101	1-414-385-21	INDUCTOR, FERRITE BEAD	
FB102	1-414-385-21	INDUCTOR, FERRITE BEAD	
FB103	1-414-385-21	INDUCTOR, FERRITE BEAD	
FB201	1-481-467-11	BEAD, FERRITE (CHIP)	
FB202	1-414-229-11	INDUCTOR, FERRITE BEAD	
FB301	1-414-385-21	INDUCTOR, FERRITE BEAD	
FB302	1-414-385-21	INDUCTOR, FERRITE BEAD	
FB303	1-414-385-21	INDUCTOR, FERRITE BEAD	
< IC >			
IC101	6-718-670-01	IC R5F3650KCDZ99FB (for SERVICE)	
IC102	6-716-993-01	IC MM1836A33NRE	
IC105	6-712-776-01	IC PST8228UL	
IC201	6-718-216-01	IC LC786800E-00US-H	
IC301	6-715-945-01	IC BA4560RFVM-TR	
IC302	6-715-945-01	IC BA4560RFVM-TR	
IC303	6-715-945-01	IC BA4560RFVM-TR	
IC304	6-718-208-01	IC LV47011P-E	
IC401	6-718-209-01	IC LV56831P-E	
IC402	6-718-214-01	IC S-1142B90I-E6T1U	
IC501	6-718-913-01	IC OZ539IGN-A1-0-TR	
< JACK >			
J101	1-566-822-81	JACK (REMOTE IN)	
J302	1-822-713-11	JACK, PIN 2P (REAR AUDIO OUT)	
J303	1-843-172-11	JACK (ANT) (ANTENNA IN)	
J304	1-566-822-61	JACK (AUX)	
< COIL >			
L201	1-457-223-11	COMMON MODE CHOKE COIL	
L251	1-400-073-21	INDUCTOR 4.7uH	
L401	1-460-443-11	CHOKE COIL 140uH	
L501	1-457-874-11	CHOKE COIL 10uH	

Ref. No.	Part No.	Description	Remark
L502	1-481-904-11	INDUCTOR 47uH	
< TRANSISTOR >			
Q101	6-552-444-01	TRANSISTOR DRC5144E0L	
Q102	6-552-410-01	TRANSISTOR DRA5114E0L	
Q103	6-552-430-01	TRANSISTOR DRC5114E0L	
Q104	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q106	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q109	6-552-410-01	TRANSISTOR DRA5114E0L	
Q110	6-552-432-01	TRANSISTOR DRC5114Y0L	
Q301	6-551-970-01	TRANSISTOR LTC614TUF8T106	
Q302	6-551-970-01	TRANSISTOR LTC614TUF8T106	
Q303	6-551-970-01	TRANSISTOR LTC614TUF8T106	
Q304	6-552-430-01	TRANSISTOR DRC5114E0L	
Q305	6-551-970-01	TRANSISTOR LTC614TUF8T106	
< RESISTOR/CAPACITOR >			
R105	1-218-981-91	METAL CHIP 220K	5% 1/16W
R106	1-218-953-11	METAL CHIP 1K	5% 1/16W
R107	1-218-953-11	METAL CHIP 1K	5% 1/16W
R111	1-216-841-11	METAL CHIP 47K	5% 1/10W
R112	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R114	1-216-073-91	METAL CHIP 10K	5% 1/10W
R115	1-218-977-11	METAL CHIP 100K	5% 1/16W
R116	1-216-841-11	METAL CHIP 47K	5% 1/10W
R117	1-216-073-91	METAL CHIP 10K	5% 1/10W
R118	1-216-801-11	METAL CHIP 22	5% 1/10W
R130	1-218-959-11	METAL CHIP 3.3K	5% 1/16W
R131	1-218-953-11	METAL CHIP 1K	5% 1/16W
R132	1-218-953-11	METAL CHIP 1K	5% 1/16W
R133	1-218-959-11	METAL CHIP 3.3K	5% 1/16W
R139	1-208-911-11	METAL CHIP 10K	0.5% 1/16W
R140	1-208-911-11	METAL CHIP 10K	0.5% 1/16W
R143	1-208-911-11	METAL CHIP 10K	0.5% 1/16W
R157	1-218-949-11	METAL CHIP 470	5% 1/16W
R159	1-218-941-81	METAL CHIP 100	5% 1/16W
R160	1-218-941-81	METAL CHIP 100	5% 1/16W
R161	1-218-941-81	METAL CHIP 100	5% 1/16W
R162	1-218-953-11	METAL CHIP 1K	5% 1/16W
R167	1-218-953-11	METAL CHIP 1K	5% 1/16W
R168	1-218-977-11	METAL CHIP 100K	5% 1/16W
R169	1-218-941-81	METAL CHIP 100	5% 1/16W
R171	1-218-941-81	METAL CHIP 100	5% 1/16W
R172	1-218-977-11	METAL CHIP 100K	5% 1/16W
R173	1-218-953-11	METAL CHIP 1K	5% 1/16W
R174	1-218-941-81	METAL CHIP 100	5% 1/16W
R175	1-218-977-11	METAL CHIP 100K	5% 1/16W
R176	1-245-604-11	METAL CHIP 10M	5% 1/16W
R177	1-218-981-91	METAL CHIP 220K	5% 1/16W
R180	1-218-941-81	METAL CHIP 100	5% 1/16W
R180	1-218-990-81	SHORT CHIP 0 (EXCEPT EA)	
R181	1-218-989-11	METAL CHIP 1M	5% 1/16W
R183	1-218-977-11	METAL CHIP 100K	5% 1/16W
R184	1-218-977-11	METAL CHIP 100K	5% 1/16W
R185	1-218-941-81	METAL CHIP 100	5% 1/16W
R186	1-218-941-81	METAL CHIP 100	5% 1/16W
R187	1-218-941-81	METAL CHIP 100	5% 1/16W
R189	1-218-941-81	METAL CHIP 100	5% 1/16W
R190	1-218-941-81	METAL CHIP 100	5% 1/16W

Note: When the system controller (IC101) in this unit is replaced, the destination setting is necessary. Refer to "NOTE THE MAIN BOARD OR SYSTEM CONTROLLER (IC101) REPLACING" (page 4).

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R191	1-218-941-81	METAL CHIP	100	5%	1/16W	R312	1-216-845-11	METAL CHIP	100K	5%	1/10W
R193	1-218-941-81	METAL CHIP	100	5%	1/16W	R313	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R194	1-218-977-11	METAL CHIP	100K	5%	1/16W	R314	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R195	1-218-941-81	METAL CHIP	100	5%	1/16W	R315	1-218-977-11	METAL CHIP	100K	5%	1/16W
R197	1-218-941-81	METAL CHIP	100	5%	1/16W	R316	1-218-965-11	METAL CHIP	10K	5%	1/16W
R198	1-218-977-11	METAL CHIP	100K	5%	1/16W	R317	1-218-966-11	METAL CHIP	12K	5%	1/16W
R200	1-218-953-11	METAL CHIP	1K	5%	1/16W	R318	1-218-929-11	METAL CHIP	10	5%	1/16W
R201	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	R319	1-218-966-11	METAL CHIP	12K	5%	1/16W
R202	1-218-977-11	METAL CHIP	100K	5%	1/16W	R320	1-218-965-11	METAL CHIP	10K	5%	1/16W
R203	1-218-941-81	METAL CHIP	100	5%	1/16W	R321	1-218-929-11	METAL CHIP	10	5%	1/16W
R204	1-218-941-81	METAL CHIP	100	5%	1/16W	R322	1-216-813-11	METAL CHIP	220	5%	1/10W
R205	1-216-295-91	SHORT CHIP	0			R323	1-216-813-11	METAL CHIP	220	5%	1/10W
R206	1-218-941-81	METAL CHIP	100	5%	1/16W	R324	1-216-813-11	METAL CHIP	220	5%	1/10W
R207	1-218-941-81	METAL CHIP	100	5%	1/16W	R325	1-216-813-11	METAL CHIP	220	5%	1/10W
R208	1-218-941-81	METAL CHIP	100	5%	1/16W	R326	1-218-945-11	METAL CHIP	220	5%	1/16W
R209	1-218-941-81	METAL CHIP	100	5%	1/16W	R327	1-218-965-11	METAL CHIP	10K	5%	1/16W
R210	1-218-941-81	METAL CHIP	100	5%	1/16W	R328	1-218-965-11	METAL CHIP	10K	5%	1/16W
R211	1-218-941-81	METAL CHIP	100	5%	1/16W	R329	1-218-945-11	METAL CHIP	220	5%	1/16W
R212	1-218-977-11	METAL CHIP	100K	5%	1/16W	R330	1-218-945-11	METAL CHIP	220	5%	1/16W
R213	1-218-977-11	METAL CHIP	100K	5%	1/16W	R331	1-218-965-11	METAL CHIP	10K	5%	1/16W
R214	1-218-941-81	METAL CHIP	100	5%	1/16W	R332	1-218-965-11	METAL CHIP	10K	5%	1/16W
R215	1-218-941-81	METAL CHIP	100	5%	1/16W	R333	1-218-945-11	METAL CHIP	220	5%	1/16W
R216	1-218-965-11	METAL CHIP	10K	5%	1/16W	R334	1-218-965-11	METAL CHIP	10K	5%	1/16W
R219	1-218-977-11	METAL CHIP	100K	5%	1/16W	R335	1-218-973-11	METAL CHIP	47K	5%	1/16W
R220	1-218-977-11	METAL CHIP	100K	5%	1/16W	R336	1-218-943-11	METAL CHIP	150	5%	1/16W
R221	1-218-977-11	METAL CHIP	100K	5%	1/16W	R337	1-216-813-11	METAL CHIP	220	5%	1/10W
R222	1-218-973-11	METAL CHIP	47K	5%	1/16W	R338	1-218-941-81	METAL CHIP	100	5%	1/16W
R233	1-218-973-11	METAL CHIP	47K	5%	1/16W	R339	1-216-296-11	SHORT CHIP	0		
R234	1-218-973-11	METAL CHIP	47K	5%	1/16W	R340	1-216-063-91	METAL CHIP	3.9K	5%	1/10W
R235	1-218-973-11	METAL CHIP	47K	5%	1/16W	R341	1-216-065-91	METAL CHIP	4.7K	5%	1/10W
R236	1-218-973-11	METAL CHIP	47K	5%	1/16W	R342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R242	1-216-799-11	METAL CHIP	15	5%	1/10W	R343	1-216-065-91	METAL CHIP	4.7K	5%	1/10W
R243	1-216-799-11	METAL CHIP	15	5%	1/10W	R344	1-216-833-11	METAL CHIP	10K	5%	1/10W
R244	1-218-967-11	METAL CHIP	15K	5%	1/16W	R345	1-216-063-91	METAL CHIP	3.9K	5%	1/10W
R245	1-218-967-11	METAL CHIP	15K	5%	1/16W	R346	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R246	1-218-967-11	METAL CHIP	15K	5%	1/16W	R356	1-216-809-11	METAL CHIP	100	5%	1/10W
R247	1-218-967-11	METAL CHIP	15K	5%	1/16W	R390	1-218-941-81	METAL CHIP	100	5%	1/16W
R252	1-218-990-81	SHORT CHIP	0			R403	1-218-965-11	METAL CHIP	10K	5%	1/16W
R257	1-218-990-81	SHORT CHIP	0			R404	1-218-965-11	METAL CHIP	10K	5%	1/16W
R259	1-216-864-11	SHORT CHIP	0			R405	1-218-977-11	METAL CHIP	100K	5%	1/16W
R260	1-216-864-11	SHORT CHIP	0			R407	1-218-965-11	METAL CHIP	10K	5%	1/16W
R261	1-218-947-11	METAL CHIP	330	5%	1/16W	R501	1-218-941-81	METAL CHIP	100	5%	1/16W
R262	1-216-864-11	SHORT CHIP	0			R502	1-216-817-11	METAL CHIP	470	5%	1/10W
R263	1-216-864-11	SHORT CHIP	0			R503	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R264	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R504	1-218-981-91	METAL CHIP	220K	5%	1/16W
R265	1-218-941-81	METAL CHIP	100	5%	1/16W	R505	1-218-885-11	METAL CHIP	39K	0.5%	1/10W
R266	1-218-941-81	METAL CHIP	100	5%	1/16W	R506	1-218-977-11	METAL CHIP	100K	5%	1/16W
R270	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R507	1-208-933-11	METAL CHIP	82K	0.5%	1/16W
R271	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R509	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R301	1-218-966-11	METAL CHIP	12K	5%	1/16W	R513	1-216-817-11	METAL CHIP	470	5%	1/10W
R302	1-218-965-11	METAL CHIP	10K	5%	1/16W	R516	1-216-817-11	METAL CHIP	470	5%	1/10W
R303	1-218-981-91	METAL CHIP	220K	5%	1/16W	R801	1-218-990-81	SHORT CHIP	0		
R304	1-218-977-11	METAL CHIP	100K	5%	1/16W	R802	1-218-990-81	SHORT CHIP	0		
R305	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R803	1-216-864-11	SHORT CHIP	0		
R306	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R804	1-216-864-11	SHORT CHIP	0		
R307	1-218-977-11	METAL CHIP	100K	5%	1/16W						
R308	1-218-966-11	METAL CHIP	12K	5%	1/16W			< TUNER UNIT >			
R309	1-218-965-11	METAL CHIP	10K	5%	1/16W						
R310	1-218-966-11	METAL CHIP	12K	5%	1/16W	TU251	A-1878-198-A	TUX-DSP02 (Tuner unit)			
R311	1-218-965-11	METAL CHIP	10K	5%	1/16W						

DSX-A30/A30E

Ver. 1.4

MAIN

Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
X101	1-813-202-11	VIBRATOR, CRYSTAL (32.768 kHz)	
X102	1-814-207-21	VIBRATOR, CERAMIC (7.92 MHz) (EXCEPT EA)	
X102	1-814-598-11	QUARTS CRYSTAL UNIT (7.92 MHz) (EA)	
X201	1-814-304-11	VIBRATOR, CRYSTAL (12 MHz)	

		MISCELLANEOUS	

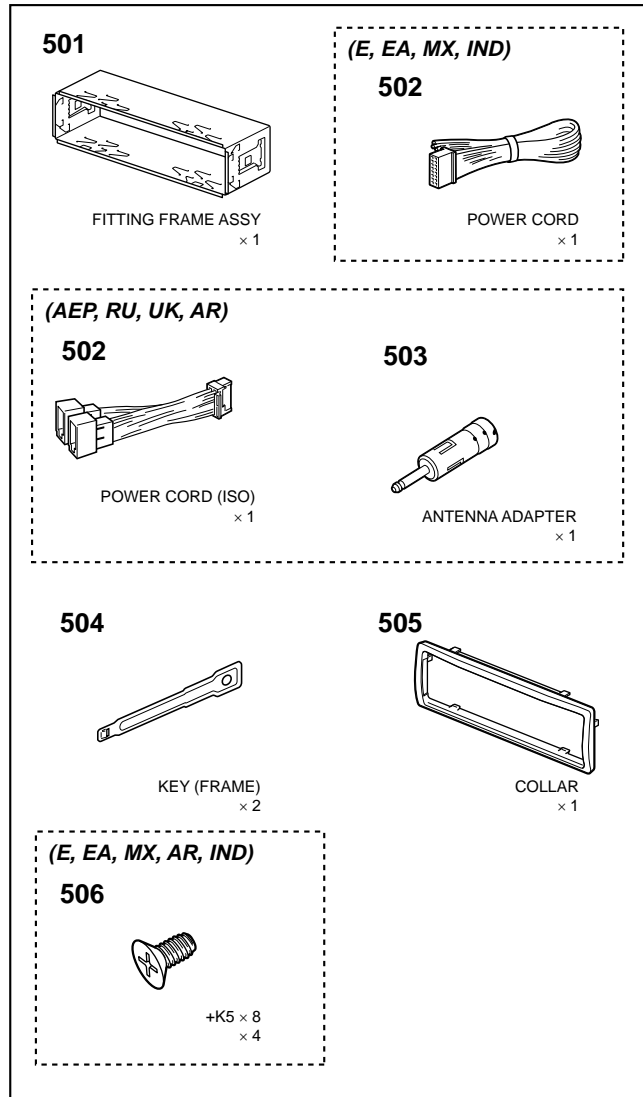
CCB1	1-780-904-12	CONDUCTIVE BOARD, CONNECTION	
FU101	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10 A/32 V)	
FP1	A-1850-343-A	PANEL OVERALL ASSY, FRONT (A30: IND)	
FP1	A-1850-344-A	PANEL OVERALL ASSY, FRONT (A30: MX)	
FP1	A-1850-345-A	PANEL OVERALL ASSY, FRONT (A30: RU)	
FP1	A-1850-346-A	PANEL OVERALL ASSY, FRONT (A30E)	
FP1	A-1861-387-A	PANEL OVERALL ASSY, FRONT (A30: E, EA, AR)	
FP1	A-1882-303-A	PANEL OVERALL ASSY, FRONT (A30: AEP, UK)	
IC902	6-600-806-01	IC PNJ4813M01S0 (S)	
LCD901	1-811-495-11	DISPLAY PANEL, LIQUID CRYSTAL	
PW1	1-839-372-11	CONNECTION CORD FOR AUTOMOBILE (POWER) (E, EA, MX, IND)	
PW1	1-839-387-11	CONNECTION CORD (ISO) (POWER) (AEP, RU, UK, AR)	
S907	1-487-023-22	ROTARY ENCODER (PUSH ENTER/SELECT)	

		ACCESSORIES	

1-489-810-21		REMOTE COMMANDER (RM-X211)	
4-408-052-11		MANUAL, INSTRUCTION (ENGLISH, SPANISH) (E, MX, AR, IND)	
4-408-052-22		MANUAL, INSTRUCTION (RUSSIAN, UKRAINIAN) (RU)	
4-408-052-31		MANUAL, INSTRUCTION (ENGLISH, ARABIC, PERSIAN) (EA)	
4-408-052-51		MANUAL, INSTRUCTION (ENGLISH, GERMAN, FRENCH, ITALIAN, DUTCH) (AEP, UK)	
4-408-053-11		MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH) (E, MX, IND)	
4-408-053-21		MANUAL, INSTRUCTION, INSTALL (RUSSIAN, UKRAINIAN) (RU)	
4-408-053-31		MANUAL, INSTRUCTION, INSTALL (ENGLISH, ARABIC, PERSIAN) (EA)	
4-408-053-41		MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH) (AR)	
4-408-053-61		MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN, FRENCH, ITALIAN, DUTCH) (AEP, UK)	

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

501	X-2583-962-1	FRAME ASSY, FITTING	
502	1-839-372-11	CONNECTION CORD FOR AUTOMOBILE (POWER) (E, EA, MX, IND)	
502	1-839-387-11	CONNECTION CORD (ISO) (POWER) (AEP, RU, UK, AR)	
503	1-465-459-51	ADAPTOR, ANTENNA (AEP, RU, UK, AR)	
504	4-276-003-01	KEY (FRAME) (1 piece)	
505	4-168-810-02	COLLAR	
506	3-934-325-01	SCREW, +K (5X8) TAPPING (1 piece) (E, EA, MX, AR, IND)	



MEMO

