

CDX-GT620U/GT627UE/ GT670U/GT670US

SERVICE MANUAL

Ver. 1.1 2008.03

US Model
Canadian Model
AEP Model
UK Model
CDX-GT620U
E Model
CDX-GT670U/GT670US
Russian Model
CDX-GT620U/GT627UE



(Photo: CDX-GT620U: AEP, UK model)

- The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (CDX-GT620U: US, Canadian model)

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

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-1011-188//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:
CDX-GT620U: US, Canadian model:
87.5 – 107.9 MHz
CDX-GT620U: AEP, UK, Russian model:
87.5 – 108.0 MHz
CDX-GT670U: E model/GT670US:
87.5 – 108.0 MHz (at 50 kHz step)
87.5 – 107.9 MHz (at 200 kHz step)
CDX-GT670U: Saudi Arabian model:
87.5 – 108.0 MHz (at 50 kHz step)
CDX-GT627UE:
FM1/FM2: 87.5 – 108.0 MHz (at 50 kHz step)
FM3: 65 – 74 MHz (at 30 kHz step)

FM tuning interval:

CDX-GT670U: E model/GT670US:
50 kHz/200 kHz switchable

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency: 10.7 MHz/450 kHz

Usable sensitivity: 9 dBf

Selectivity: 75 dB at 400 kHz

Signal-to-noise ratio:

67 dB (stereo), 69 dB (mono)

Harmonic distortion at 1 kHz:

0.5 % (stereo), 0.3 % (mono)

Separation: 35 dB at 1 kHz

Frequency response: 30 – 15,000 Hz

AM

CDX-GT620U: US, Canadian model:

Tuning range: 530 – 1,710 kHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency: 10.7 MHz/450 kHz

Sensitivity: 30 μ V

MW/LW

CDX-GT620U: AEP, UK, Russian model/
GT627UE:

Tuning range:

MW: 531 – 1,602 kHz

LW: 153 – 279 kHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency:

10.7 MHz/450 kHz

Sensitivity:

MW: 30 μ V, LW: 40 μ V

MW

CDX-GT670U: E, Saudi Arabian model/
GT670US:

Tuning range:

CDX-GT620U: E model/GT670US:

531 – 1,602 kHz (at 9 kHz step)

530 – 1,710 kHz (at 10 kHz step)

CDX-GT670U: Saudi Arabian model:

531 – 1,602 kHz (at 9 kHz step)

MW tuning interval:

CDX-GT670U: E model/GT670US:

9 kHz/10 kHz switchable

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency: 10.7 MHz/450 kHz

Sensitivity: 30 μ V

– Continued on next page –

CDX-GT620U: US, Canadian model
FM/AM COMPACT DISC PLAYER

CDX-GT620U: AEP, UK, Russian model/GT627UE

FM/MW/LW COMPACT DISC PLAYER

CDX-GT670U/GT670US

FM/MW/SW COMPACT DISC PLAYER

9-887-894-02

2008C04-1

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Audio Business Group

Published by Sony Techno Create Corporation

SONY[®]

SW

CDX-GT670U: E, Saudi Arabian model/GT670US:

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: 10.7 MHz/450 kHz

Sensitivity: 30 μ V

USB Player section

Interface: USB (Full-speed)

Maximum current: 500mA

Power amplifier section

Outputs: Speaker outputs (sure seal connectors)

Speaker impedance: 4 – 8 ohms

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

General

Output:

Audio outputs terminal (front/rear)
 Subwoofer output terminal (mono)
 Power antenna (aerial) relay control terminal
 Power amplifier control terminal

Inputs:

Telephone ATT control terminal
 Remote controller input terminal
 Antenna (aerial) input terminal
 AUX input jack (stereo mini jack)

Tone controls:

Low: ± 10 dB at 60 Hz (XPLOD)
 Mid: ± 10 dB at 1 kHz (XPLOD)
 High: ± 10 dB at 10 kHz (XPLOD)

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

Dimensions: Approx. 178 \times 50 \times 180 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.

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 COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DON- NÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SERVICE NOTES

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

The laser diode in the optical pick-up block may suffer electrostatic 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.

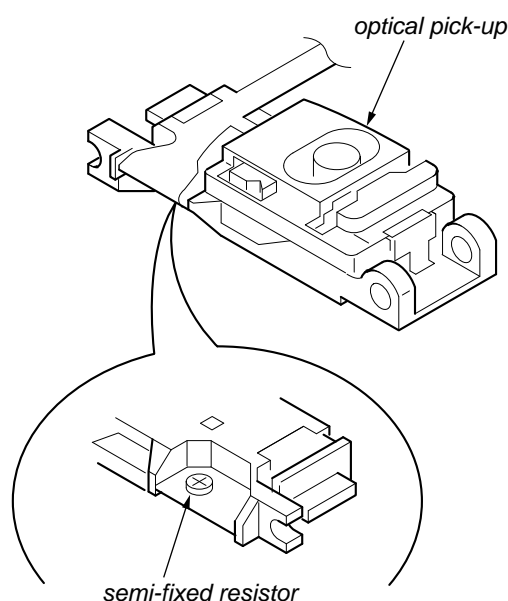
YDES-18 (Part No. 3-702-101-01)

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.



This compact disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the exterior.





Except GT620U: US, Canadian model



This label is located on the bottom of the chassis.

• CD playback

You can play CD-DA (also containing CD TEXT), CD-R/CD-RW (MP3/WMA/AAC files).

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

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)

LF : 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.

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SECTION 1 SERVICE NOTE

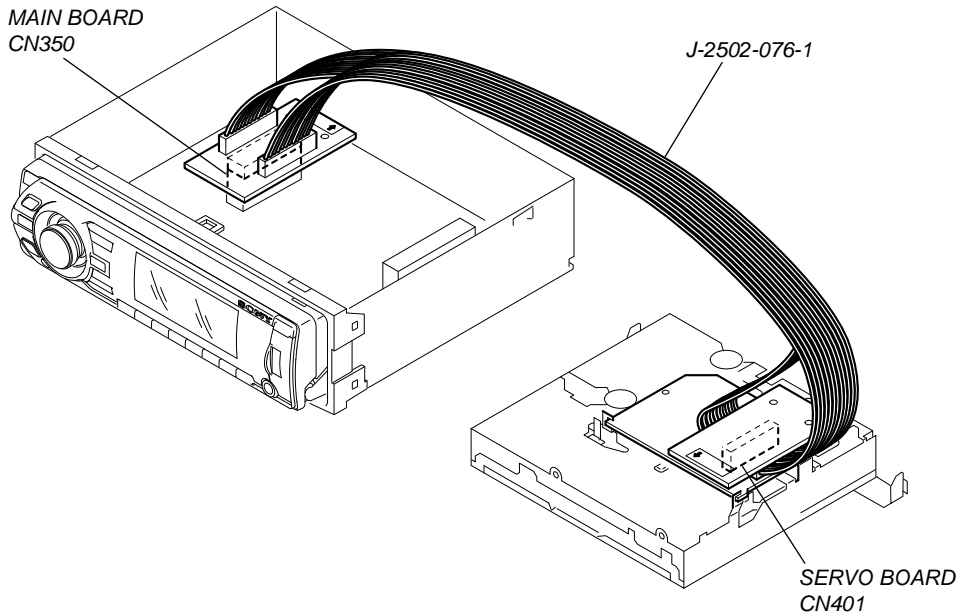
EXTENSION CABLE AND SERVICE POSITION

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

- Connect the MAIN board (CN350) and the SERVO board (CN401) with the extension cable (Part No. J-2502-076-1).

NOTE FOR REPLACEMENT OF THE SERVO BOARD

When repairing, the complete SERVO board (A-1362-921-A) should be replaced since any parts in the SERVO board cannot be repaired.



NOTE FOR REPLACEMENT OF THE USB CONNECTOR (J11)

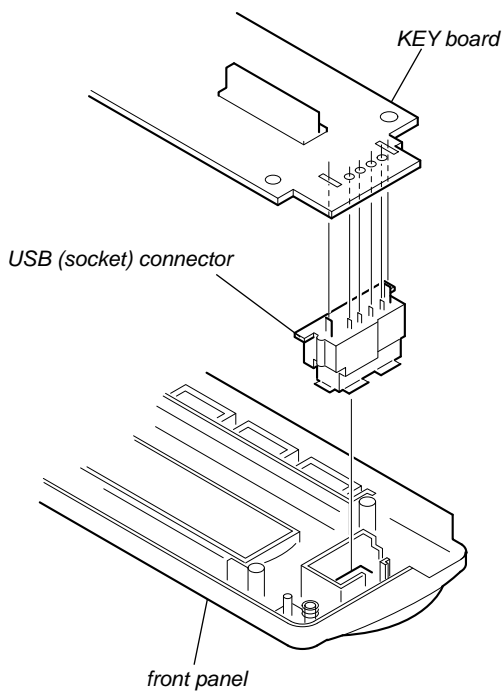
To replace the USB connector requires alignment.

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

NOTE FOR THE 24-PIN CONNECTOR (CN1)

Do not use alcohol to clean the 24-pin connector (CN1) connecting the front panel with the main body.

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

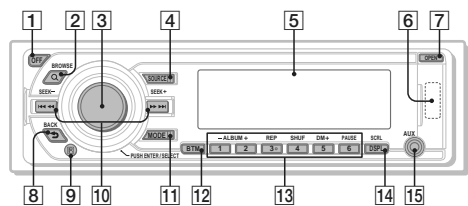


This section is extracted from instruction manual.

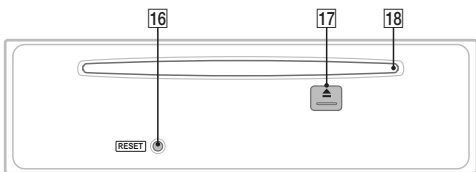
- LOCATION OF CONTROLS
- CDX-GT620U: US, Canadian model

Location of controls and basic operations

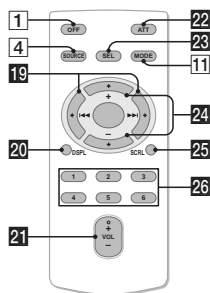
Main unit



Front panel removed



Card remote commander
RM-X151



This section contains instructions on the location of controls and basic operations. For details, see the respective pages. For USB device operation, see "USB devices" on page 10.

- 1 OFF button
To power off; stop the source.
- 2 Q (BROWSE) button page 8
To enter the Quick-BrowZer mode.
- 3 Control dial/select button page 8, 11
To adjust volume (rotate); select items (press and rotate).
- 4 SOURCE button
To power on; change the source (Radio/CD/USB/AUX).
- 5 Display window

6

- 6 USB terminal page 10
To connect to the USB device.
- 7 OPEN button page 5
To insert the disc.
- 8 (BACK) button page 8
To return to the previous display.
- 9 Receptor for the card remote commander
- 10 SEEK +/- buttons
CD/USB:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
- 11 MODE button page 9, 10
To select the radio band (FM/AM); select the play mode of ATRAC Audio Device.
- 12 BTM button page 9
To start the BTM function.
- 13 Number buttons
CD/USB:
① ALBUM +/-
To skip albums (press); skip albums continuously (press and hold).
③ REP page 9
④ SHUF page 9
⑤ DM+ page 4
To activate the DM+ function, set "DM+ON". To cancel, set "DM+OFF".
⑥ PAUSE
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).
- 14 DSPL (display)/SCRL (scroll) button page 9
To change display items (press); scroll the display item (press and hold).
- 15 AUX input jack page 13
To connect a portable audio device.
- 16 RESET button page 4
To reset the unit.
- 17 (eject) button page 5
To eject the disc.
- 18 Disc slot page 5
To insert the disc.

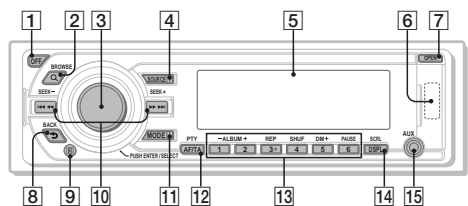
- The following buttons on the card remote commander have also different buttons/functions from the unit. Remove the insulation film before use (page 4).
 - 19 (SKIP) buttons
To control CD/radio/USB, the same as (SEEK) +/- on the unit. Setup, sound setting, etc., can be operated by (SKIP) buttons.
 - 20 DSPL (display) button
To change display items.
 - 21 VOL (volume) +/- button
To adjust volume.
 - 22 ATT (attenuate) button
To attenuate the sound. To cancel, press again.
 - 23 SEL (select) button
The same as the select button on the unit. During the Quick-BrowZer mode, (SEL) (select) is inactive.
 - 24 (+)/(-) buttons
To control CD/USB, the same as ①/② (ALBUM +/-) on the unit. Setup, sound setting, etc., can be operated by (+)/(-) buttons.
 - 25 SCRL (scroll) button
To scroll the display item.
 - 26 Number buttons
To receive stored stations (press); store stations (press and hold).
- Notes
- When ejecting/inserting a disc, keep any USB devices disconnected to avoid damage to the disc.
 - If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

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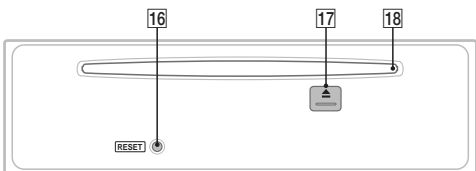
- CDX-GT620U: AEP, UK, Russian model/GT627UE

Location of controls and basic operations

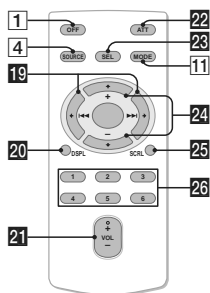
Main unit



Front panel removed



Card remote commander
RM-X151



This section contains instructions on the location of controls and basic operations. For details, see the respective pages. For USB device operation, see "USB devices" on page 11.

- 1 OFF button
To power off; stop the source.
- 2 Q (BROWSE) button page 8
To enter the Quick-BrowZer mode.
- 3 Control dial/select button page 8, 13
To adjust volume (rotate); select items (press and rotate).
- 4 SOURCE button
To power on; change the source (Radio/CD/USB/AUX).
- 5 Display window

6

- 6 USB terminal page 11
To connect to the USB device.
- 7 OPEN button page 5
To insert the disc.
- 8 (BACK) button page 8
To return to the previous display.
- 9 Receptor for the card remote commander
- 10 SEEK +/- buttons
CD/USB:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
- 11 MODE button page 9, 12
To select the radio band (FM/MW/LW); select the play mode of ATRAC Audio Device.
- 12 AF (Alternative Frequencies)/TA (Traffic Announcement)/PTY (Program Type) button page 10, 11
To set AF and TA (press); select PTY (press and hold) in RDS.
- 13 Number buttons
CD/USB:
① ALBUM +/-
To skip albums (press); skip albums continuously (press and hold).
③ REP page 9
④ SHUF page 9
⑤ DM+ page 4
To activate the DM+ function, set "DM+ON". To cancel, set "DM+OFF".
⑥ PAUSE
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).
- 14 DSPL (display)/SCRL (scroll) button page 9, 10
To change display items (press); scroll the display item (press and hold).
- 15 AUX input jack page 14
To connect a portable audio device.
- 16 RESET button page 4
To reset the unit.
- 17 (eject) button page 5
To eject the disc.
- 18 Disc slot page 5
To insert the disc.

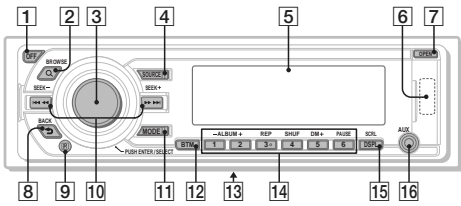
- The following buttons on the card remote commander have also different buttons/functions from the unit. Remove the insulation film before use (page 4).
 - 19 (SKIP) buttons
To control CD/radio/USB, the same as (SEEK) +/- on the unit. Setup, sound setting, etc., can be operated by (SKIP) buttons.
 - 20 DSPL (display) button
To change display items.
 - 21 VOL (volume) +/- button
To adjust volume.
 - 22 ATT (attenuate) button
To attenuate the sound. To cancel, press again.
 - 23 SEL (select) button
The same as the select button on the unit. During the Quick-BrowZer mode, (SEL) (select) is inactive.
 - 24 (+)/(-) buttons
To control CD/USB, the same as ①/② (ALBUM +/-) on the unit. Setup, sound setting, etc., can be operated by (+)/(-) buttons.
 - 25 SCRL (scroll) button
To scroll the display item.
 - 26 Number buttons
To receive stored stations (press); store stations (press and hold).
- Notes
- When ejecting/inserting a disc, keep any USB devices disconnected to avoid damage to the disc.
 - If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

7

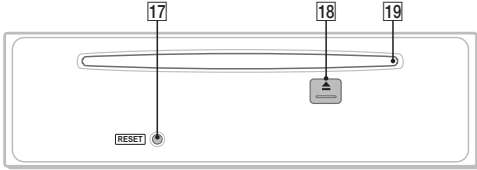
• CDX-GT670U: E model/GT670US

Location of controls and basic operations

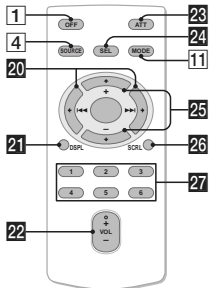
Main unit



Front panel removed



Card remote commander RM-X151



This section contains instructions on the location of controls and basic operations. For details, see the respective pages. For USB device operation, see "USB devices" on page 10. The corresponding buttons on the card remote commander control the same functions as those on the unit.

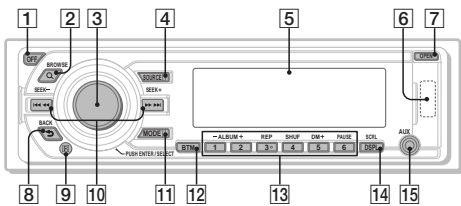
- 1 **OFF button**
To power off; stop the source.
- 2 **Q (BROWSE) button** page 8
To enter the Quick-BrowZer mode.
- 3 **Control dial/select button** page 8, 11
To adjust volume (rotate); select items (press and rotate).
- 4 **SOURCE button**
To power on; change the source (Radio/CD/USB/AUX).
- 5 **Display window**

- 6 **USB terminal** page 10
To connect to the USB device.
 - 7 **OPEN button** page 5
To insert the disc.
 - 8 **➔ (BACK) button** page 8
To return to the previous display.
 - 9 **Receptor for the card remote commander**
 - 10 **SEEK +/- buttons**
CD/USB:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
 - 11 **MODE button** page 9, 10
To select the radio band (FM/MW/SW); select the play mode of ATRAC Audio Device.
 - 12 **BTM button** page 9
To start the BTM function.
 - 13 **Frequency select switch** (located on the bottom of the unit)
See "Frequency select switch" in the supplied installation/connections manual.
 - 14 **Number buttons**
CD/USB:
① ②: **ALBUM +/-**
To skip albums (press); skip albums continuously (press and hold).
③: **REP** page 9
④: **SHUF** page 9
⑤: **DM+** page 4
To activate the DM+ function, set "DM+ON;" To cancel, set "DM+OFF;"
⑥: **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).
 - 15 **DSPL (display)/SCRL (scroll) button** page 9
To change display items (press); scroll the display item (press and hold).
 - 16 **AUX input jack** page 13
To connect a portable audio device.
 - 17 **RESET button** page 4
 - 18 **▲ (eject) button** page 5
To eject the disc.
 - 19 **Disc slot** page 5
To insert the disc.
- The following buttons on the card remote commander have also different buttons/functions from the unit. Remove the insulation film before use (page 4).
- 20 **◀ (◀◀) / ▶ (▶▶) buttons**
To control CD/radio/USB, the same as **SEEK +/-** on the unit. Setup, sound setting, etc., can be operated by **◀ ▶**.
 - 21 **DSPL (display) button**
To change display items.
 - 22 **VOL (volume) +/- button**
To adjust volume.
 - 23 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.
 - 24 **SEL (select) button**
The same as the select button on the unit. During the Quick-BrowZer mode, **SEL** (select) is inactive.
 - 25 **↑ (+) / ↓ (-) buttons**
To control CD/USB, the same as ① / ② (ALBUM +/-) on the unit. Setup, sound setting, etc., can be operated by **↑ ↓**.
 - 26 **SCRL (scroll) button**
To scroll the display item.
 - 27 **Number buttons**
To receive stored stations (press); store stations (press and hold).
- Notes**
- When ejecting/inserting a disc, keep any USB devices disconnected to avoid damage to the disc.
 - If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless **SOURCE** on the unit is pressed, or a disc is inserted to activate the unit first.

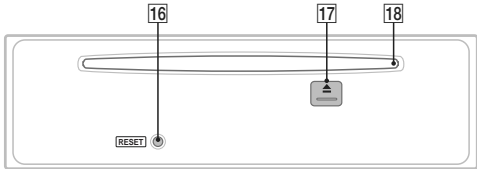
• CDX-GT670U: Saudi Arabian model

Location of controls and basic operations

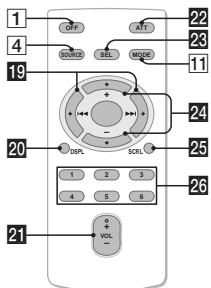
Main unit



Front panel removed



Card remote commander RM-X151

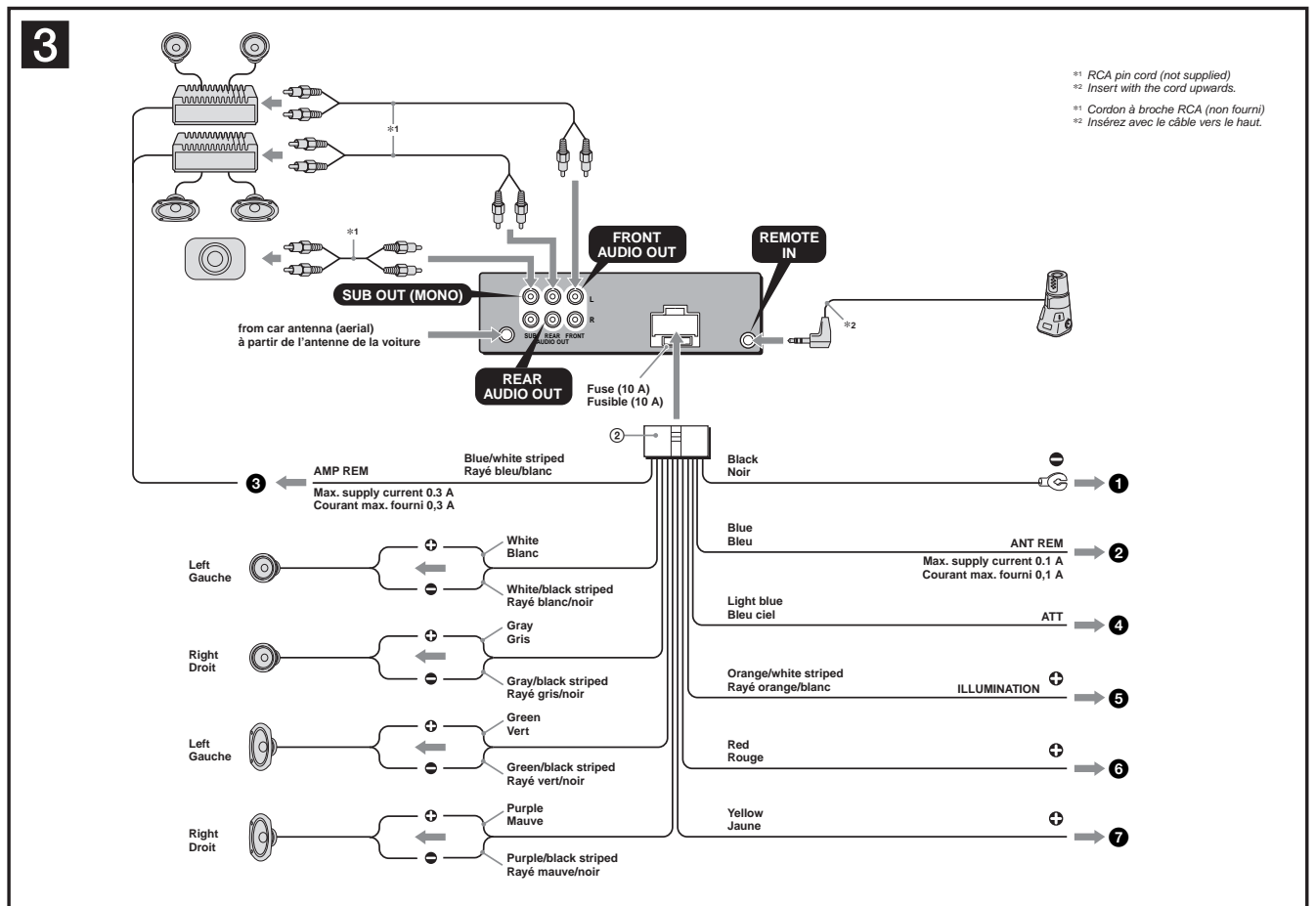


This section contains instructions on the location of controls and basic operations. For details, see the respective pages. For USB device operation, see "USB devices" on page 10. The corresponding buttons on the card remote commander control the same functions as those on the unit.

- 1 **OFF button**
To power off; stop the source.
- 2 **Q (BROWSE) button** page 8
To enter the Quick-BrowZer mode.
- 3 **Control dial/select button** page 8, 11
To adjust volume (rotate); select items (press and rotate).
- 4 **SOURCE button**
To power on; change the source (Radio/CD/USB/AUX).
- 5 **Display window**

- 6 **USB terminal** page 10
To connect to the USB device.
 - 7 **OPEN button** page 5
To insert the disc.
 - 8 **➔ (BACK) button** page 8
To return to the previous display.
 - 9 **Receptor for the card remote commander**
 - 10 **SEEK +/- buttons**
CD/USB:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
 - 11 **MODE button** page 9, 10
To select the radio band (FM/MW/SW); select the play mode of ATRAC Audio Device.
 - 12 **BTM button** page 9
To start the BTM function.
 - 13 **Number buttons**
CD/USB:
① ②: **ALBUM +/-**
To skip albums (press); skip albums continuously (press and hold).
③: **REP** page 9
④: **SHUF** page 9
⑤: **DM+** page 4
To activate the DM+ function, set "DM+ON;" To cancel, set "DM+OFF;"
⑥: **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).
 - 14 **DSPL (display)/SCRL (scroll) button** page 9
To change display items (press); scroll the display item (press and hold).
 - 15 **AUX input jack** page 13
To connect a portable audio device.
 - 16 **RESET button** page 4
 - 17 **▲ (eject) button** page 5
To eject the disc.
 - 18 **Disc slot** page 5
To insert the disc.
- The following buttons on the card remote commander have also different buttons/functions from the unit. Remove the insulation film before use (page 4).
- 19 **◀ (◀◀) / ▶ (▶▶) buttons**
To control CD/radio/USB, the same as **SEEK +/-** on the unit. Setup, sound setting, etc., can be operated by **◀ ▶**.
 - 20 **DSPL (display) button**
To change display items.
 - 21 **VOL (volume) +/- button**
To adjust volume.
 - 22 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.
 - 23 **SEL (select) button**
The same as the select button on the unit. During the Quick-BrowZer mode, **SEL** (select) is inactive.
 - 24 **↑ (+) / ↓ (-) buttons**
To control CD/USB, the same as ① / ② (ALBUM +/-) on the unit. Setup, sound setting, etc., can be operated by **↑ ↓**.
 - 25 **SCRL (scroll) button**
To scroll the display item.
 - 26 **Number buttons**
To receive stored stations (press); store stations (press and hold).
- Notes**
- When ejecting/inserting a disc, keep any USB devices disconnected to avoid damage to the disc.
 - If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless **SOURCE** on the unit is pressed, or a disc is inserted to activate the unit first.

• CONNECTIONS
• CDX-GT620U: US, Canadian model



*1 RCA pin cord (not supplied)
*2 Insert with the cord upwards.
*1 Cordon à broche RCA (non fourni)
*2 Insérez avec le câble vers le haut.

Connection diagram 3

- 1 To a metal surface of the car
First connect the black ground (earth) lead, then connect the yellow and red power supply leads.
- 2 To the power antenna (aerial) control lead or power supply lead of antenna (aerial) booster
Notes
• It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).
• When your car has a built-in FM/AM antenna (aerial) in the rear-side glass, see "Notes on the control and power supply leads."
- 3 To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.
- 4 To the interface cable of a car telephone
- 5 To a car's illumination signal
Be sure to connect the black ground (earth) lead to a metal surface of the car first.
- 6 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."
- 7 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

- 1 À un point métallique de la voiture
Branchez d'abord le câble de mise à la masse noir et, ensuite, les câbles d'entrée d'alimentation jaune et rouge.
- 2 Vers le câble de commande d'antenne électrique ou le câble d'alimentation de l'amplificateur d'antenne
Remarques
• Il n'est pas nécessaire de raccorder ce câble s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.
• Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière latérale, voir « Remarques sur les câbles de commande et d'alimentation ».
- 3 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.
- 4 Vers le cordon de liaison d'un téléphone de voiture
- 5 Vers le connecteur du signal d'éclairage de la voiture
Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.
- 6 À la borne +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 ».
- 7 À la borne +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 (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.
- Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.

Remarques pour la conservation de la mémoire

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

Remarques sur le raccordement des haut-parleurs

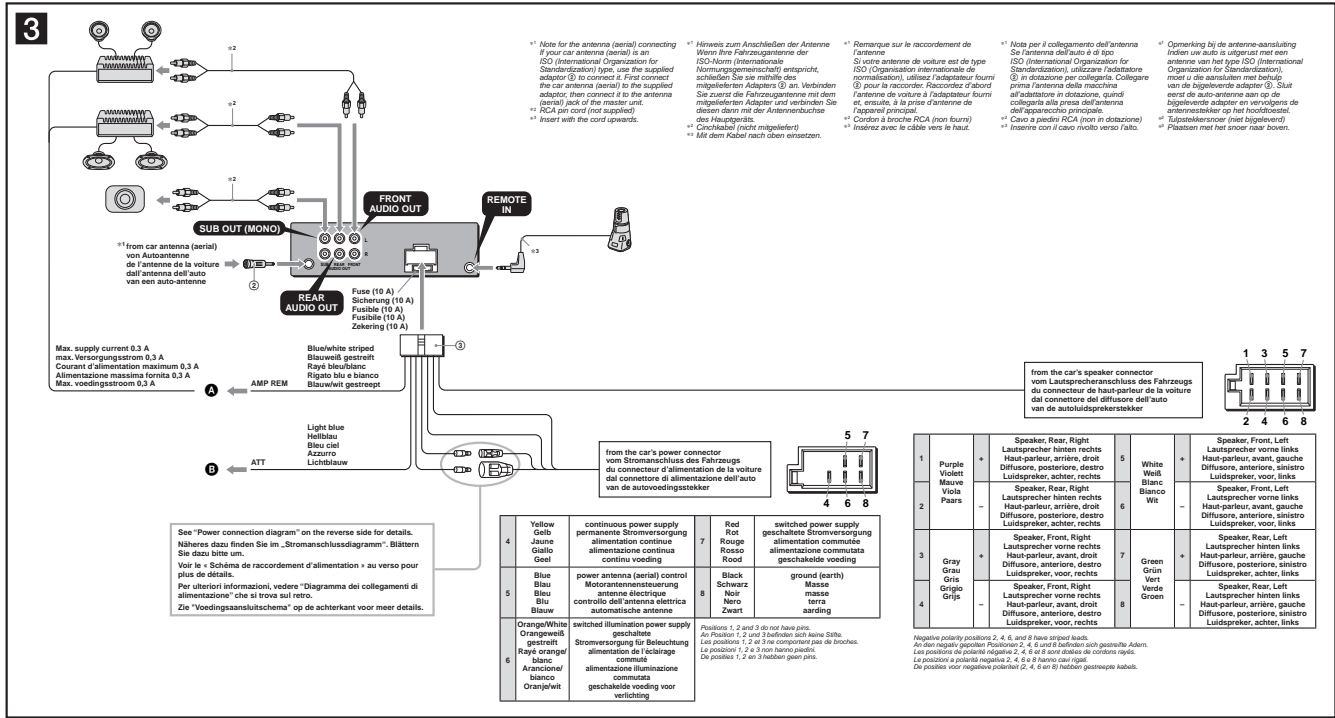
- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
- Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.
- Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez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

Remarque sur le raccordement

Si 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.

CDX-GT620U/GT627UE/GT670U/GT670US

• CDX-GT620U: AEP, UK, Russian model/GT627UE



Connection diagram 3

- 1 To AMP REMOTE IN of an optional power amplifier
Dieser Anschluss ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran an. Andernfalls kann das Gerät beschädigt werden.
- 2 To the interface cable of a car telephone

Warning

If you have a power antenna (aerial) without a relay box, connecting this unit with the supplied power connecting lead (3) may damage the antenna (aerial).

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, or when you activate the AF (Alternative Frequency) or TA (Traffic Announcement) function.
- When your car has built-in FM/MLW/LW 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 units' 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.

Anschlussdiagramm 3

- 1 An AMP REMOTE IN des gesondert erhältlichen Endverstärkers
Dieser Anschluss ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran an. Andernfalls kann das Gerät beschädigt werden.
- 2 An Schnittstellenkabel eines Autotelefons

Warning

Wenn Sie eine Motorantenne ohne Relaiskästchen verwenden, kann durch Anschließen dieses Geräts mit dem mitgelieferten Stromversorgungs-kabel (3) die Antenne beschädigt werden.

Hinweise zu den Steuer- und Stromversorgungsleitungen

- Die Motorantennen-Steuerleitung (blau) liefert +12 V Gleichstrom, wenn Sie den Tuner einschalten oder die AF- (Alternativfrequenzsuche) oder die TA-Funktion (Verkehrsrundschau) aktivieren.
- Wenn das Fahrzeug mit einer in der Heck-/Seitenfensterscheibe integrierten FM (LKW)/MLW/LW-Antenne ausgestattet ist, schließen Sie die Motorantennen-Steuerleitung (blau) oder die Zubehörstromversorgungsleitung (rot) an den Stromversorgungsanschluss des vorhandenen Antennenverstärkers an. Näheres dazu erfahren Sie bei Ihrem Händler.
- Es kann nur eine Motorantenne mit Relaiskästchen angeschlossen werden.

Stromversorgung des Speichers

- Wenn die gelbe Stromversorgungsleitung angeschlossen ist, wird der Speicher stets (auch bei ausgeschalteter Zündung) mit Strom versorgt.

Hinweise zum Lautsprecheranschluss

- Schalten Sie das Gerät aus, bevor Sie die Lautsprecher anschließen.
- Verwenden Sie Lautsprecher mit einer Impedanz zwischen 4 und 8 Ohm und ausreichender Belastbarkeit. Ansonsten können die Lautsprecher beschädigt werden.
- Verbinden Sie die Lautsprecheranschlüsse nicht mit dem Wagenchassis und verbinden Sie auch nicht die Anschlüsse des rechten mit denen des linken Lautspeakers.
- Verbinden Sie die Masseleitung dieses Geräts nicht mit dem negativen (-) Lautsprecheranschluss.
- Verbinden Sie nicht Lautsprecher parallel anzuschließen.
- An die Lautsprecheranschlüsse dieses Geräts dürfen nur Passivlautsprecher angeschlossen werden. Schließen Sie keine Aktivlautsprecher (Lautsprecher mit eingebauten Verstärkern) an, da das Gerät sonst beschädigt werden könnte.
- Um Fehlfunktionen zu vermeiden, verwenden Sie nicht die im Fahrzeug installierten, integrierten Lautsprecherleitungen, wenn am Ende eine gemeinsame negative (-) Leitung für den rechten und den linken Lautsprecher verwendet wird.
- Verbinden Sie nicht die Lautsprecherkabel des Geräts miteinander.

Hinweis zum Anschließen

Wenn Lautsprecher und Verstärker nicht richtig angeschlossen sind, erscheint "FAILURE" im Display. Vergewissern Sie sich in diesem Fall, dass Lautsprecher und Verstärker richtig angeschlossen sind.

Schémas de raccordement 3

- 1 Au niveau du AMP REMOTE IN d'un amplificateur de puissance facultatif
Ce raccordement est exclusivement réservé aux amplificateurs. Ne raccordez rien d'autre au système plus tard qu'indiqué l'appareil.
- 2 Vers le cordon de liaison d'un téléphone de voiture

Warning

Si vous disposez d'une antenne électrique sans boîte de relais, le branchement de ce appareil au moyen du câble d'alimentation fourni (3) risque d'endommager l'antenne.

Remarques sur les câbles de commande et d'alimentation

- Le câble de commande (bleu) fournit du courant continu de +12 V lorsque vous mettez le tuner sous tension ou lorsque vous activez la fonction AF (Fréquences alternatives) ou TA (Messages de radiodiffusion).
- Lorsque votre voiture est équipée d'une antenne FM/MLW (LKW)/MLW (P.S) intégrée dans la vitre arrière latérale, raccordez le câble de commande d'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) au bornier de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre revendeur.
- Une antenne électrique sans boîte de relais ne peut pas être utilisée avec cet appareil.

Raccordement pour la conservation de la mémoire

Lorsque le câble d'alimentation jaune est connecté, le circuit de la mémoire est alimenté en permanence même si la clé de contact est en 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 et une capacité adéquate sous peine 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.
- Néanmoins, ne reliez pas de raccorder les haut-parleurs en parallèle.
- Raccordez uniquement des haut-parleurs passifs. La connexion de haut-parleurs actifs (avec des amplificateurs intégrés) aux bornes des haut-parleurs pourrait 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 dispose d'un câble négatif commun (-) pour les haut-parleurs droit et gauche.
- Ne raccordez pas les câbles des haut-parleurs du véhicule à ceux des haut-parleurs de cet appareil.

Remarque sur le raccordement

Si les enceintes et l'amplificateur ne sont pas raccordés correctement, le message « FAILURE » s'affiche. Dans ce cas, assurez-vous que les enceintes et l'amplificateur sont raccordés correctement.

Schema di collegamento 3

- 1 A AMP REMOTE IN di un amplificatore di potenza opzionale
Questo collegamento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare danni all'apparecchio.
- 2 Al cavo di interfaccia di un telefono per auto

Avvertenza

Quando si collega l'apparecchio con il cavo di alimentazione in dotazione (3), si potrebbe danneggiare l'antenna elettrica se questa non dispone di scatola a relé.

Note sui cavi di controllo e di alimentazione

- Il cavo (blu) di controllo dell'antenna elettrica fornisce alimentazione pari a +12 V CC quando si attiva il sintonizzatore oppure la funzione TA (notiziario sul traffico) o AF (frequenza alternativa).
- Se l'automobile è dotata di antenna FM/MLW/LW incorporata nel vetro posteriore laterale, collegare il cavo (blu) di controllo dell'antenna elettrica al cavo (rosso) di ingresso dell'alimentazione accessoria al terminale di alimentazione del preamplificatore dell'antenna esistente. Per ulteriori informazioni, consultare il proprio fornitore.
- Non è possibile usare un'antenna elettrica senza scatola a relé con questo apparecchio.

Collegamento per la conservazione della memoria

Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando l'interruttore di accensione è spento.

Note sul collegamento dei diffusori

- Prima di collegare i diffusori spegnere l'apparecchio.
- Usare diffusori di impedenza compresa tra 4 e 8 Ohm e con capacità di potenza adeguata, altrimenti i diffusori potrebbero venire danneggiati.
- Non collegare i terminali del sistema diffusori al telaio dell'auto e non collegare i terminali del diffusore a quello del diffusore sinistro.
- Non collegare l'erro di messa a terra di questo apparecchio al terminale negativo (-) del diffusore.
- Non collegare i diffusori in parallelo.
- Assicurarsi di collegare soltanto diffusori passivi, poiché il collegamento di diffusori attivi, dotati di amplificatori incorporati, ai terminali dei diffusori potrebbe danneggiare l'apparecchio.
- Per evitare problemi di funzionamento, non utilizzare i cavi dei diffusori incorporati installati nell'automobile se l'apparecchio condivide un cavo comune negativo (-) per i diffusori destro e sinistro.
- Non collegare fra loro i cavi dei diffusori dell'apparecchio.

Note sul collegamento

Se l'amplificatore e il diffusore non sono collegati correttamente, "FAILURE" viene visualizzato nel display. In tal caso, accertarsi che l'amplificatore e il diffusore siano collegati correttamente.

Aansluitschema 3

- 1 Naar AMP REMOTE IN van een optionele eindversterker
Deze aansluiting is alleen bedoeld voor versterkers. Door er iets anders aan te sluiten kan het apparaat worden beschadigd.
- 2 Naar het interface-snoer van een autotelefoon

Waarschuwing

Indien u een elektrische antenne hebt zonder relaiskast, kan het aansluiten van dit apparaat met het bijgeleverde netsnoer (3) de antenne beschadigen.

Opmerkingen over de bedienings- en voedingskabels

- De antennevoedingskabel (blauw) levert +12 V gelijkstroom wanneer u de tuner inschakelt of de AF (Alternative Frequency) of TA (Traffic Announcement) functie activeert.
- Wanneer uw auto is uitgerust met een FM/MLW/LW-antenne in de achterzijderuit, moet u de antennevoedingskabel (blauw) of de hulpvoedingskabel (rood) aansluiten op de voedingsgang van de bestaande antenneversterker. Raadpleeg uw dealer voor meer details.
- Met dit apparaat is het niet mogelijk een automatische antenne zonder relaiskast te gebruiken.

Instandhouding van het geheugen

Zolang de gele voedingskabel is aangesloten, blijft de stroomvoorziening van het geheugen intact, ook wanneer het contact van de auto wordt uitgeschakeld.

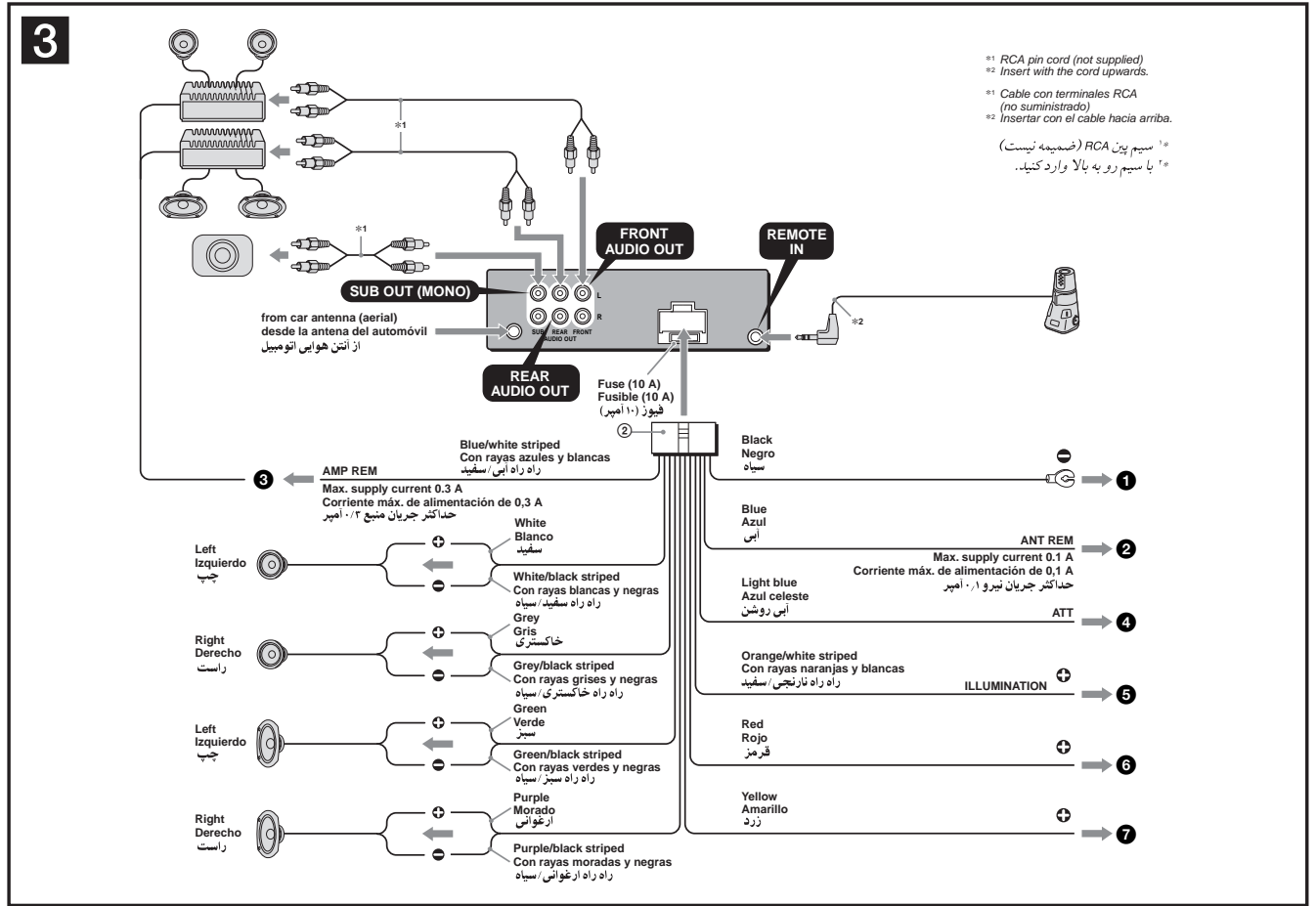
Opmerkingen betreffende het aansluiten van de luidsprekers

- Zorg dat het apparaat is met een impedantie van 4 tot 8 Ohm en het op dat die het vermogen van de versterker kunnen verwerken. Als u dit niet doet, kunnen de luidsprekers ernstig beschadigd raken.
- Verbind in geen geval de aansluitingen van de luidsprekers met het chassis van de auto en sluit de aansluitingen van de rechter- en linkerluidspreker niet op elkaar aan.
- Verbind de aansluitkabel van dit apparaat niet met de negatieve (-) aansluiting van de luidspreker.
- Probeer nooit de luidsprekers parallel aan te sluiten.
- Sluit geen actieve luidsprekers (met ingebouwde versterkers) aan op de luidsprekeransluiting van dit apparaat. Dit zal leiden tot beschadiging van de actieve luidsprekers. Sluit dus altijd uitsluitend luidsprekers zonder ingebouwde versterker aan.
- Om defecten te vermijden mag u de bestaande luidsprekerbedrading in uw auto niet gebruiken wanneer er een gemeenschappelijke negatieve (-) draad is voor de rechter- en linkerluidspreker.
- Verbind de luidsprekerdraden niet met elkaar.

Opmerking over aansluiten

Als de luidspreker en versterker niet correct zijn aangesloten, wordt "FAILURE" in het display weergegeven. In dit geval moet u zorgen dat de luidspreker en versterker correct zijn aangesloten.

• CDX-GT670U: E model/GT670US



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/SW 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 interface cable of a car telephone
 - To a car's illumination signal
Be sure to connect the black ground (earth) lead to a metal surface of the car first.
 - To the +12 V power terminal which is energized in the accessory position of the ignition 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/SW 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/SW 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.

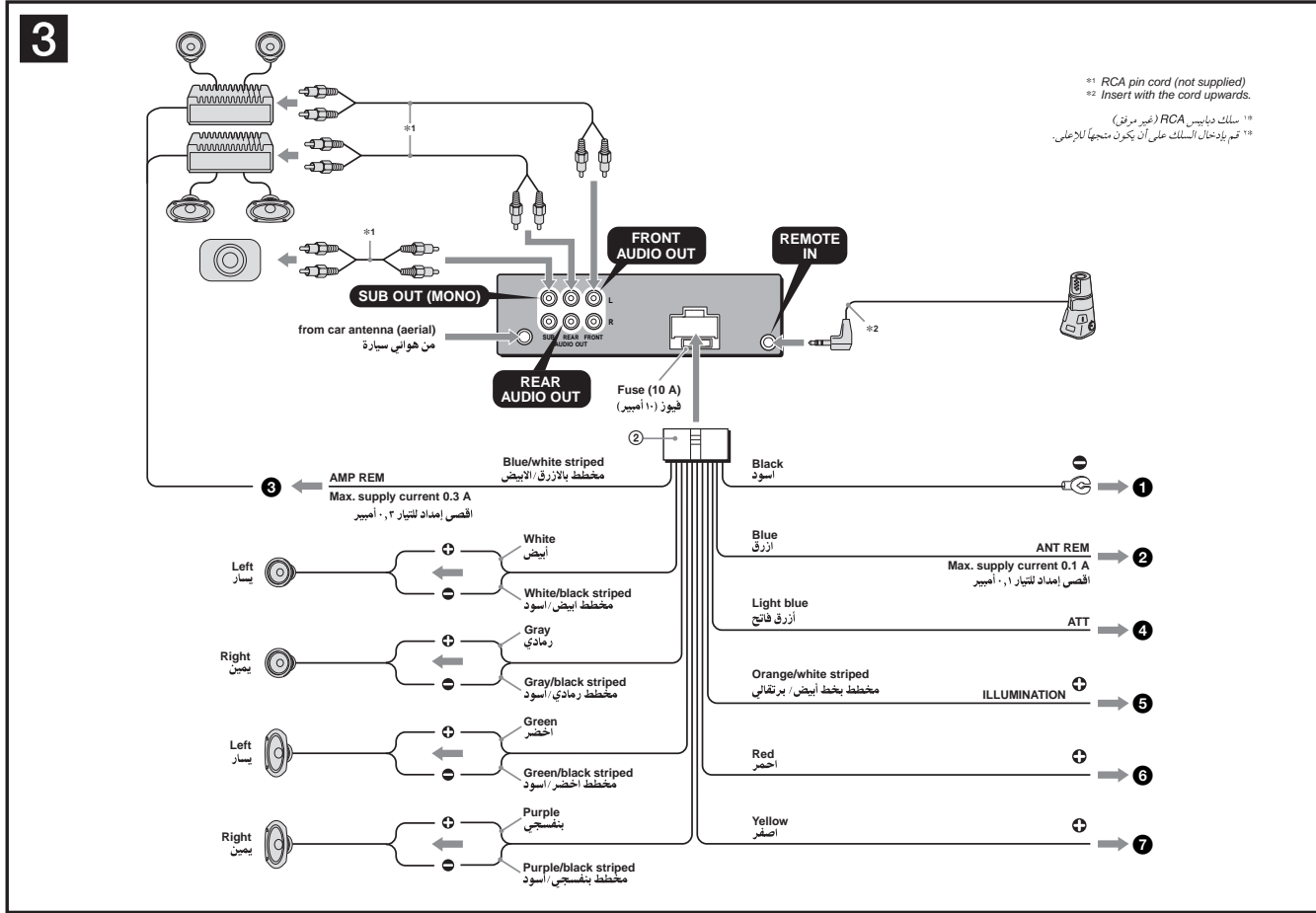
Diagrama de conexión 3

- A una superficie metálica del automóvil
Conecte primero el cable de conexión a masa negro, y después los cables amarillo y rojo de entrada 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 dispone de una antena de FM/AM/SW integrada 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
Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.
 - Al cable de interfaz de un teléfono para automóvil
 - A una señal de iluminación del automóvil
Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.
 - Al terminal de alimentación de +12 V que recibe energía en la posición de accesorios del interruptor de la llave de la llave de encendido
Notas
• Si no hay posición de accesorios, 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 dispone de una antena de FM/AM/SW integrada 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) suministra cc de +12 V cuando conecte la alimentación del sintonizador.
 • Si el automóvil dispone de una antena de FM/AM/SW integrada en el cristal trasero o lateral, conecte el cable de control de antena motorizada (azul) o el cable de entrada de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener más información, consulte a su distribuidor.
 • Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.
Conexión para protección de la memoria
 Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague el interruptor de la llave 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 integrados) a los terminales de altavoz, puede dañar la unidad.
 • Para evitar fallos de funcionamiento, no utilice los cables de altavoz instalados en el automóvil si la unidad comparte un cable negativo común (-) para los altavoces derecho e izquierdo.
 • Evite malfuncionamiento.
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.

نمودار اتصال 3

- به یک سطح فلزی اتومبیل
ابتدا سیم سیاه زمین را وصل کنید، سپس سیم های ورودی زرد و قرمز را وصل کنید.
- به سیم کنترل آنتن برقی یا سیم منبع برق تقویت کننده آنتن
تذکرات
• در صورتی که آنتن برقی یا تقویت کننده هوایی وجود ندارد، یا با یک آنتن کشویی دستی وصل کردن این سیم ضروری نیست.
• هنگامی که اتومبیل شما دارای یک آنتن FM/AM/SW در شیشه عقبی/کناری می باشد، نکات در مورد سیم های کنترل و منبع برق را مطالعه نمایید.
- به AMP REMOTE IN یک تقویت کننده نیرو اختیاری
این اتصال تنها برای تقویت کننده ها است. وصل کردن هر سیستم دیگری ممکن است دستگاه را خراب کند.
- به کابل اینترفیس تلفن یک اتومبیل
- به سیمگنال روشنایی یک اتومبیل
اطمینان حاصل کنید که سیم سیاه زمین را ابتدا به سطح فلزی اتومبیل وصل کنید.
- به ترمینال برق +12 ولت که در موقعیت جانی کلبه است
تذکرات
• اگر هیچ موقعیت جانی وجود ندارد، به ترمینال برق (باتری) +12 ولت که همواره نیرو می گیرد وصل کنید. اطمینان حاصل کنید که ابتدا سیم سیاه زمین را به سطح فلزی اتومبیل وصل کنید.
• هنگامی که اتومبیل شما دارای یک آنتن هوایی FM/AM/SW در شیشه عقبی/کناری می باشد، نکات در مورد سیم های کنترل و منبع برق را مطالعه نمایید.
- به ترمینال برق +12 ولت که همواره نیرو می گیرد
تذکرات در مورد سیم های کنترل و منبع برق
• اگر سیم سیاه زمین را روشن می کنید، سیم کنترل آنتن برقی (آبی) برق مستقیم +12 ولت را تأمین می کند.
• هنگامی که اتومبیل شما دارای یک آنتن FM/AM/SW در شیشه عقبی/کناری می باشد، سیم کنترل آنتن برقی (آبی) با سیم منبع برق جانی (قرمز) را به ترمینال برق تقویت کننده آنتن موجود وصل کنید. برای جزئیات، با فروشنده خود مشورت نمایید.
• یک آنتن بدون یک ایستگاه تقویت نمی تواند در این دستگاه مورد استفاده قرار گیرد.
حفظ حافظه
 هنگامی که سیم منبع برق زرد وصل می شود، همیشه به مدار حافظه سیم کشی که سوئیچ احتراق خاموش است تأمین خواهد شد.
نکات در مورد اتصال بلندگو
 • پیش از وصل کردن بلندگوها، دستگاه را خاموش کنید.
 • از بلندگوها با امپدانس 4 تا 8 اهم، و با ظرفیت بالای برق استفاده کنید تا از صدمه به آن جلوگیری کنید.
 • ترمینال های بلندگو را به شاسی اتومبیل وصل نکنید، یا ترمینال های بلندگوهای راست را به ترمینال های بلندگوهای چپ وصل نکنید.
 • سیم زمین این دستگاه را به ترمینال منفی (-) بلندگو وصل نکنید.
 • سیم بلندگوهای غیر فعال را بطور موازی وصل نکنید.
 • تنها بلندگوهای غیر فعال را وصل کنید. وصل کردن بلندگوهای فعال با تقویت کننده های داخلی) به ترمینال های بلندگو ممکن است به دستگاه صدمه وارد کند.
 • برای انتخاب از یک سیم عملگر، از سیم های بلندگوی داخلی نصب شده در اتومبیل خود در صورتی که دستگاه دارای یک سیم منفی (-) مشترک برای بلندگوهای راست و چپ می باشد استفاده نکنید.
 • سیم های بلندگوی دستگاه را به یکدیگر وصل نکنید.
تذکره در مورد اتصال
 اگر بلندگو بطور صحیح وصل نشده باشد، "FAILURE" در صفحه نمایش ظاهر می شود. در چنین حالتی، اطمینان حاصل کنید که بلندگو بطور صحیح نصب شده است.

• CDX-GT670U: Saudi Arabian model



3 Connection diagram

- To a metal surface of the car**
First connect the black ground (earth) lead, then connect the orange/white striped, yellow, and red power input leads.
- To the power antenna (aerial) control lead or power supply lead of antenna (aerial) booster amplifier**
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/MW/SW 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 interface cable of a car telephone**
- To a car's illumination signal**
Be sure to connect the black ground (earth) lead to a metal surface of the car first.
- To the +12 V power terminal which is energized in the accessory position of the ignition key switch**
Notes
• If there is no accessory position, connect to the +12 V power (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/MW/SW 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/MW/SW 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 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 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 (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.

3 مخطط التوصيل

- إلى سطح نقطة معدنية في السيارة**
قم أولاً بتوصيل سلك الأرض (الأسود) ومن ثم سلكي الطاقة الأصفر والأحمر المخططين بخط أبيض/برتقالي.
- إلى سلك التحكم في الهوائي الآلي أو سلك امداد الطاقة بمضخم معزز الهوائي**
ملاحظات
• ليس من الضروري توصيل هذا السلك إذا لم تتوفر هوائي آلي أو معزز هوائي أو هوائي ميكانيكي يعمل يدوياً.
• عندما تكون سيارتك تتضمن هوائي FM/MW/SW داخلي في الزجاج الخلفي، راجع قسم ملاحظات حول أسلاك التحكم و امداد التيار.
- لتوصيل إلى AMP REMOTE IN لمضخم القدرة الاختياري**
هذه التوصيلة مخصصة فقط لأجهزة تضخيم الصوت. توصيل أي جهاز آخر قد يفسد بالوحدة.
- إلى كبل ربط هاتف السيارة**
- إلى إشارة أضواء السيارة**
تأكد أولاً من توصيل سلك الأرض (الأسود) بسطح نقطة معدنية في السيارة.
- إلى طرف التيار +12 فولت الذي يسري فيه التيار عندما يكون مفتاح تشغيل المحرك في وضع الكماليات**
ملاحظات
• عند عدم وجود وضع الكماليات، قم بالتوصيل إلى طرف التيار +12 فولت والذي يولد طاقة في جميع الأوقات. تأكد أولاً من توصيل السلك الأسود بسطح نقطة معدنية في السيارة.
• عندما تكون سيارتك تتضمن هوائي FM/MW/SW داخلي في الزجاج الخلفي، راجع قسم ملاحظات حول أسلاك التحكم و امداد التيار.
- إلى طرف توصيل التيار +12 فولت الذي يسري فيه التيار باستمرار**
تأكد أولاً من توصيل السلك الأسود بسطح نقطة معدنية في السيارة.

- ملاحظات حول أسلاك التحكم و امداد التيار**
- سلك التحكم في الهوائي الآلي (أزرق) يقوم بامداد تيار مباشر +12 فولت عندما تقوم بتشغيل الساعات.
 - عندما تكون سيارتك تتضمن هوائي FM/MW/SW داخلي في الزجاج الخلفي، من الضروري توصيل سلك التحكم في الهوائي الآلي (أزرق) أو سلك دخل قدرة الكماليات (أحمر) إلى طرف توصيل القدرة المعزز الهوائي الموجود أصلاً.
 - لمزيد من التفاصيل، قم باستشارة الوكيل لديك.
 - لا يمكن استعمال هوائي آلي بدون صندوق تريل مع هذه الوحدة.

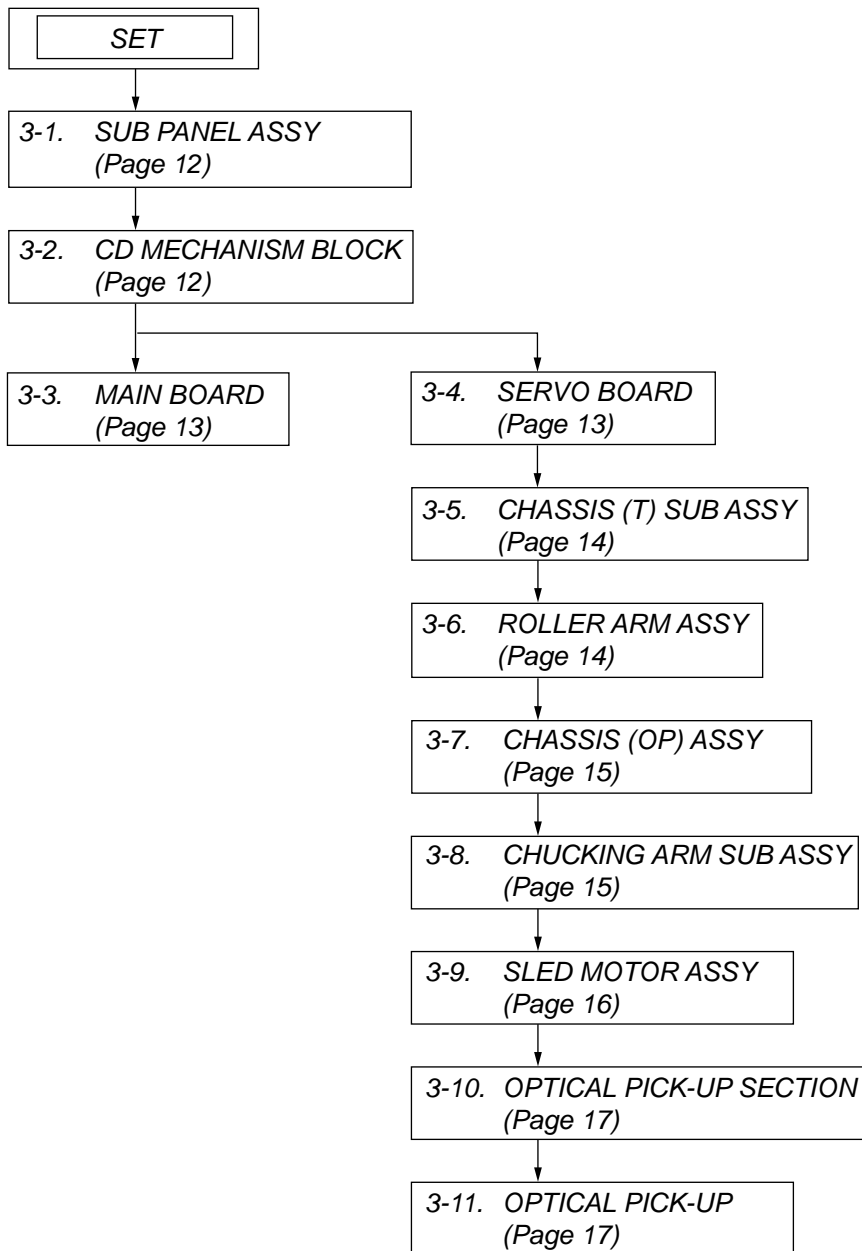
توصيلة حفظ الذاكرة
عند توصيل سلك التيار الأصفر، يتم امداد التيار بصورة مستمرة إلى دائرة الذاكرة حتى أثناء إيقاف مفتاح تشغيل المحرك.

- ملاحظات حول توصيل السماعات**
- قبل توصيل السماعات، أوقف تشغيل الجهاز.
 - استعمل سماعات بمقاومة من 4 إلى 8 أوم وسعة تحمل قدرة مناسبة لتفادي الأضرار بظهور.
 - لا تقم بتوصيل أطراف توصيل نظام السماعات ببيكسل السيارة، ولا تقم بتوصيل أطراف توصيل السماعة اليمنى بأطراف توصيل السماعة اليسرى.
 - لا تقم بتوصيل سلك الأرض (الأسود) إلى الطرف السالب (-) للسماعة اليسرى.
 - لا تعتمد على توصيل السماعات بشكل متواز.
 - قم بتوصيل سماعات التكرير البعيدة. توصيل سماعات التكرير البعيدة (باستعمال مضخم صوت داخلي) إلى أطراف سماعات التكرير قد يخلق أضرار بالوحدة.
 - تأكدوا من أن الأسلاك لا تستعمل أسلاك سماعة التكرير الداخلية المركبة في سيارتك إذا كانت الوحدة تقاسم طرف سالب (-) عام للسماعات اليمنى واليسرى.
 - لا تقم بتوصيل أسلاك سماعة التكرير ببعضها البعض.

ملاحظة حول التوصيل
إذا لم يتم توصيل السماعة وبمضخم الصوت بشكل صحيح، تظهر العجاجة "FAILURE" على العارضة. في هذه الحالة، تأكد من توصيل السماعة ومضخم الصوت بشكل صحيح.

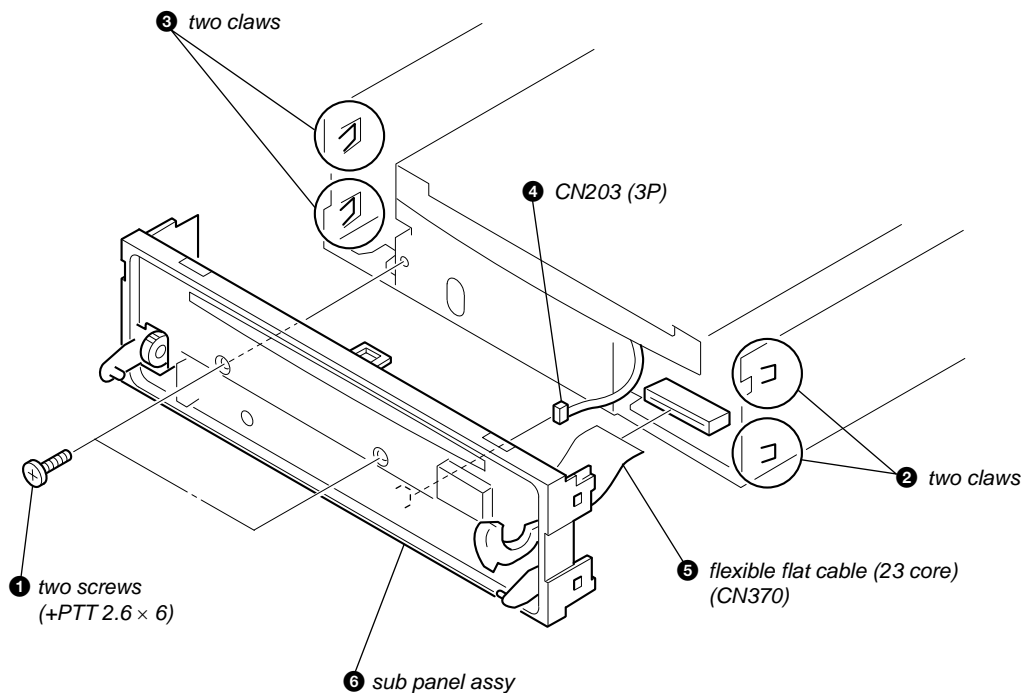
CDX-GT620U/GT627UE/GT670U/GT670US
SECTION 3
DISASSEMBLY

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

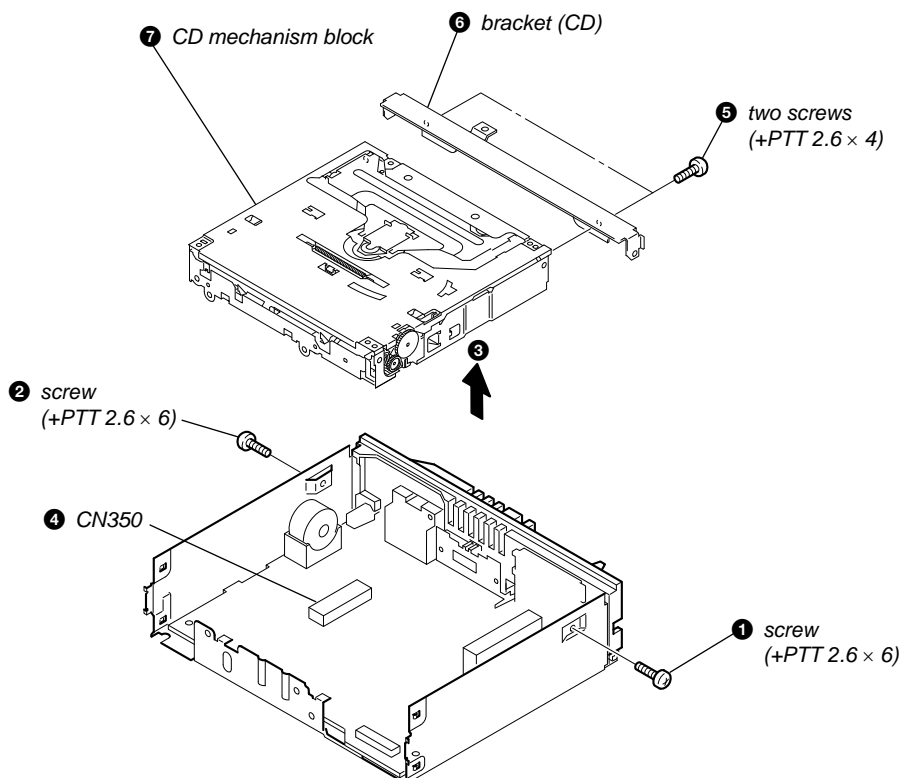


Note: Follow the disassembly procedure in the numerical order shown below.

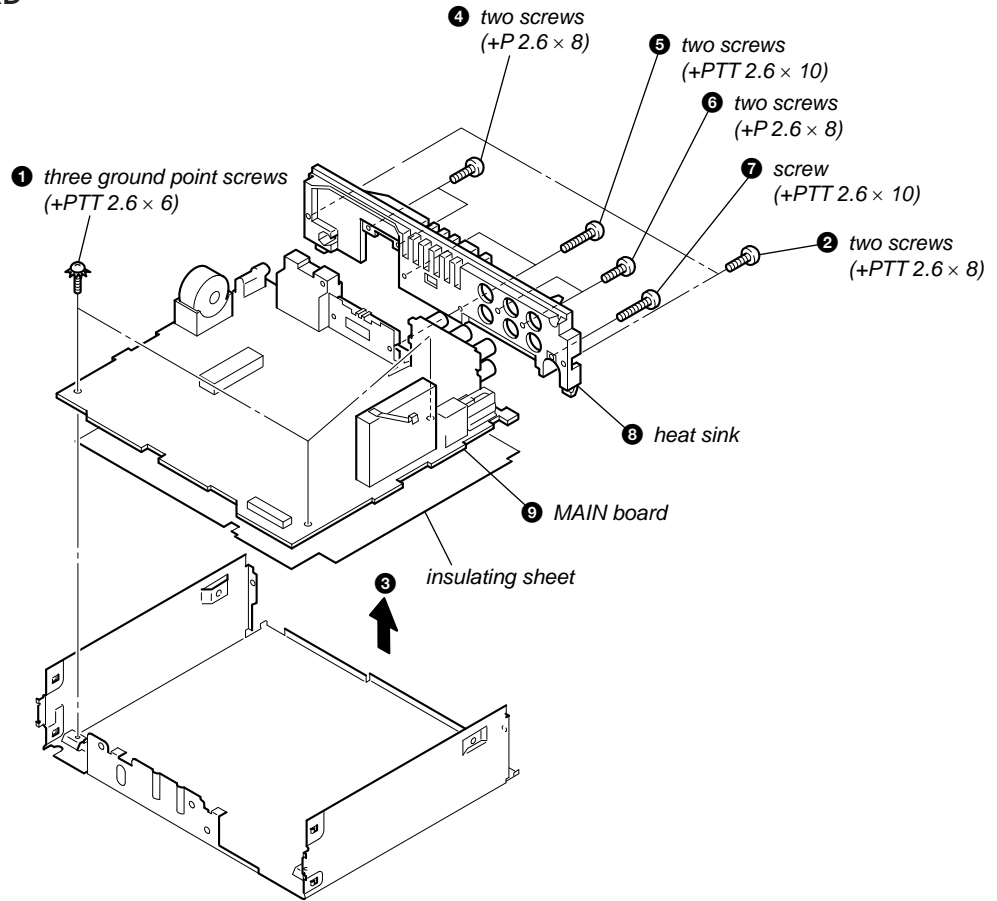
3-1. SUB PANEL ASSY



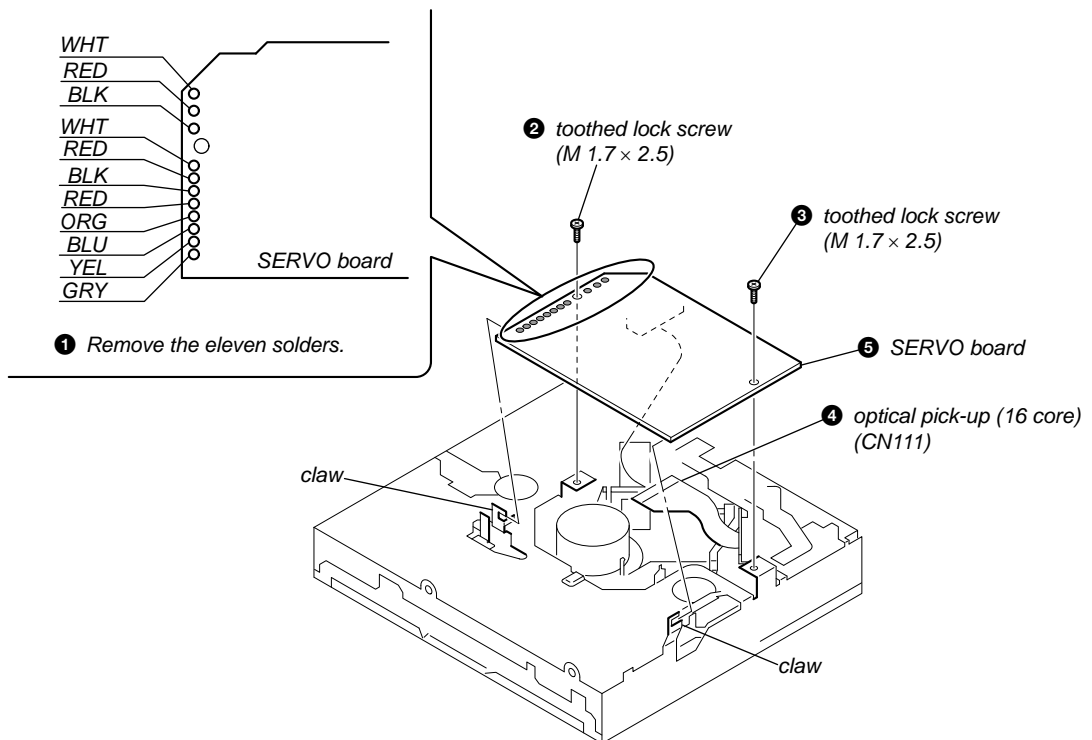
3-2. CD MECHANISM BLOCK



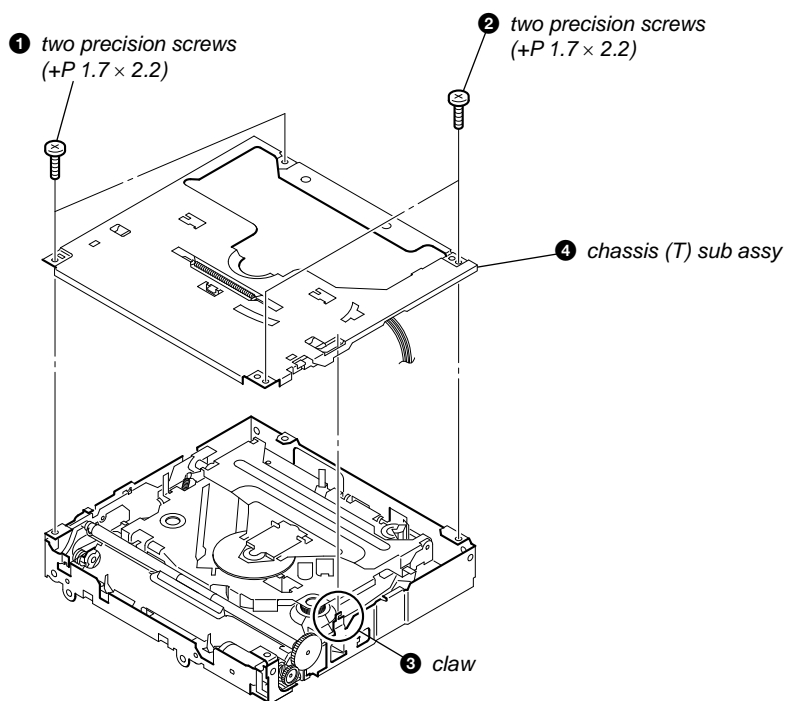
3-3. MAIN BOARD



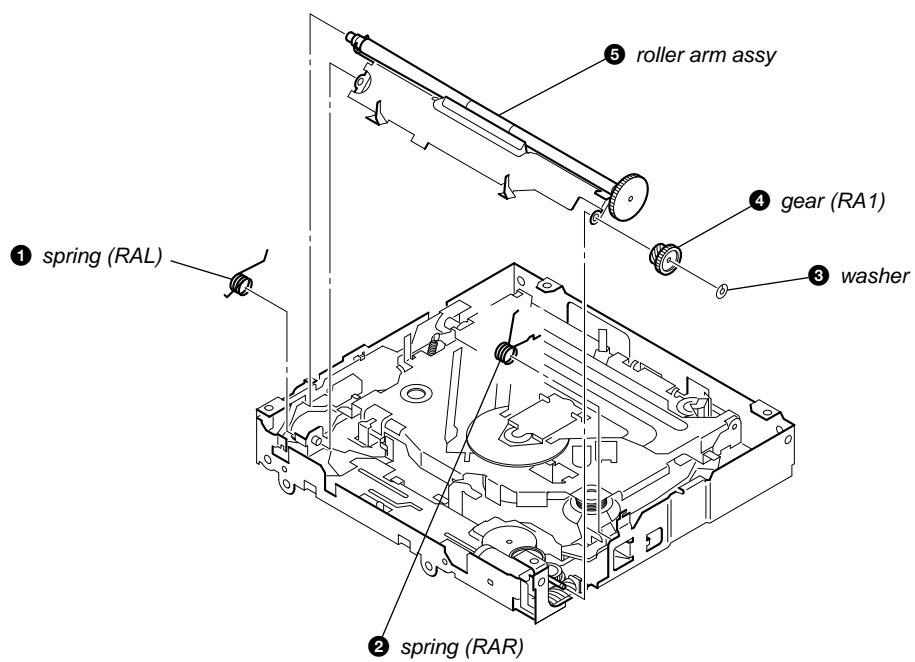
3-4. SERVO BOARD



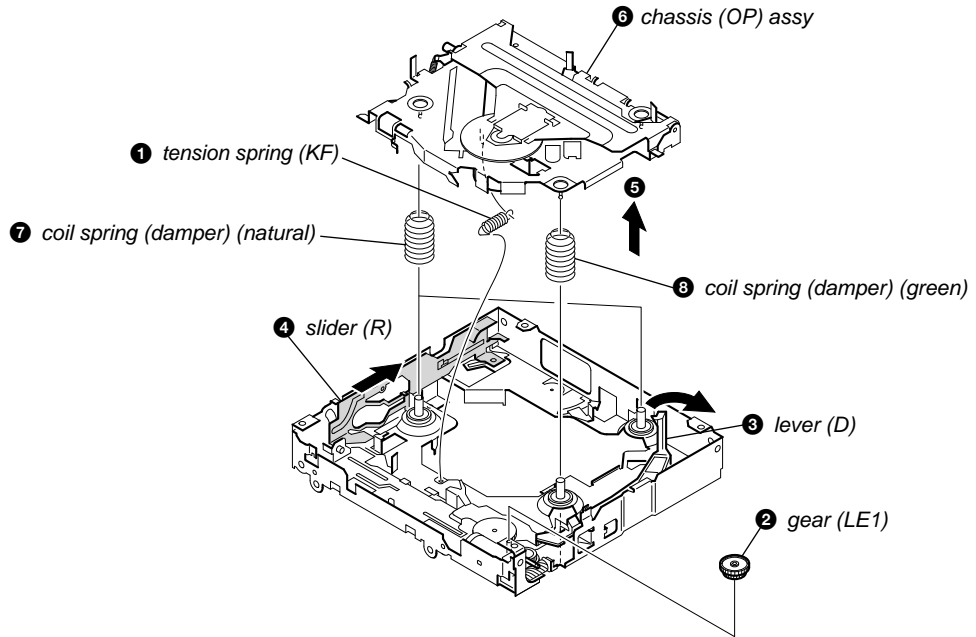
3-5. CHASSIS (T) SUB ASSY



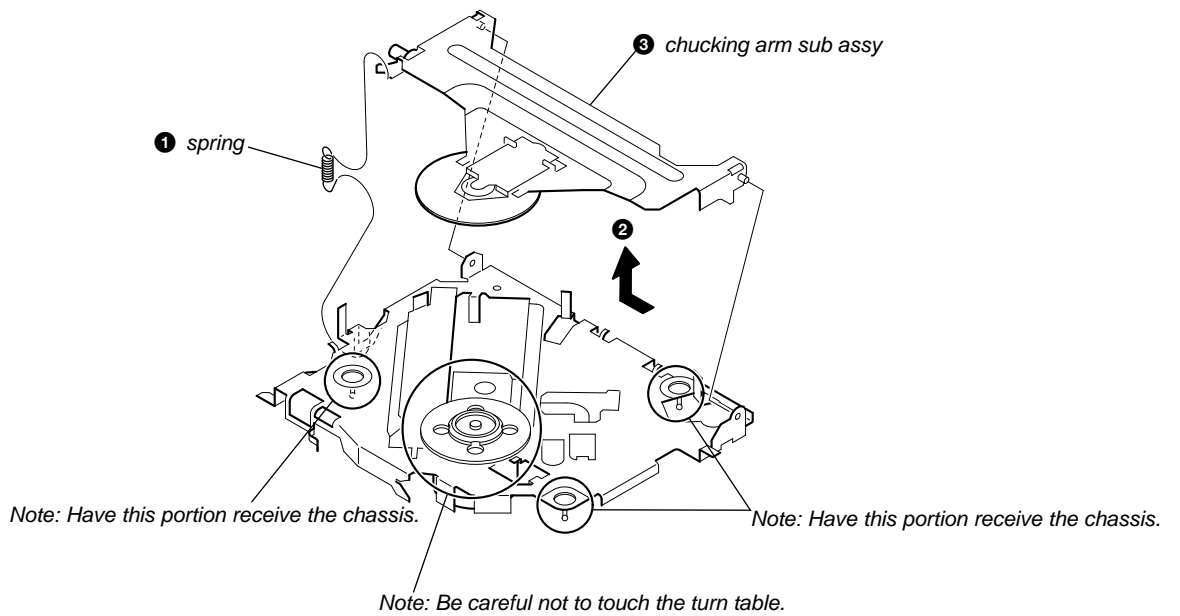
3-6. ROLLER ARM ASSY



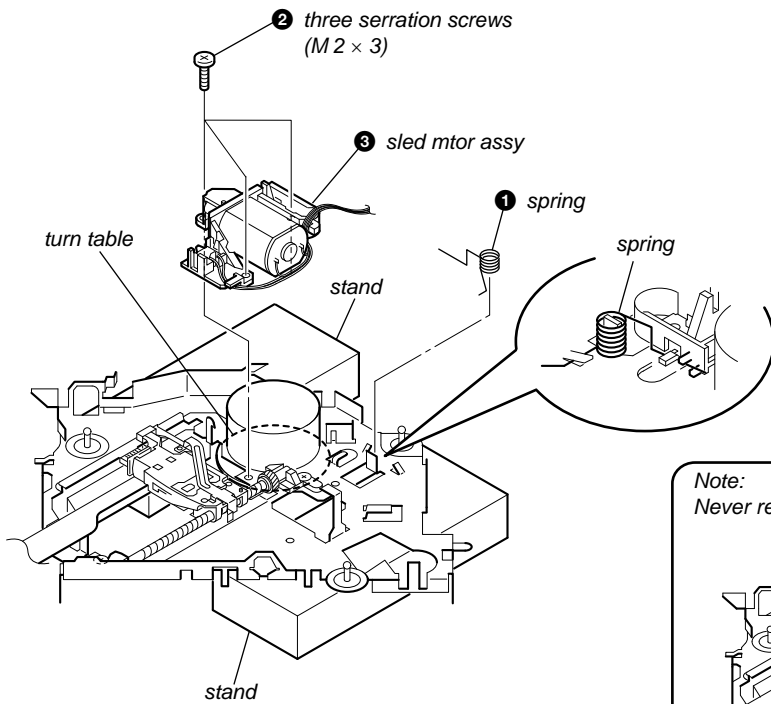
3-7. CHASSIS (OP) ASSY



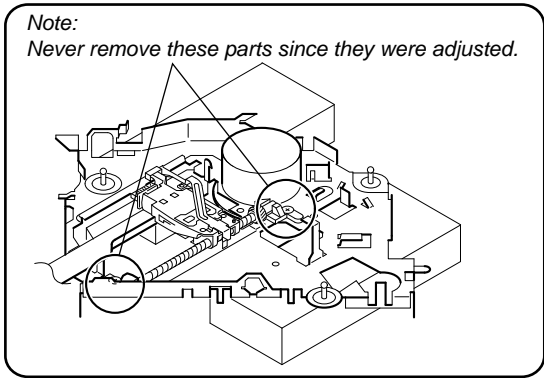
3-8. CHUCKING ARM SUB ASSY



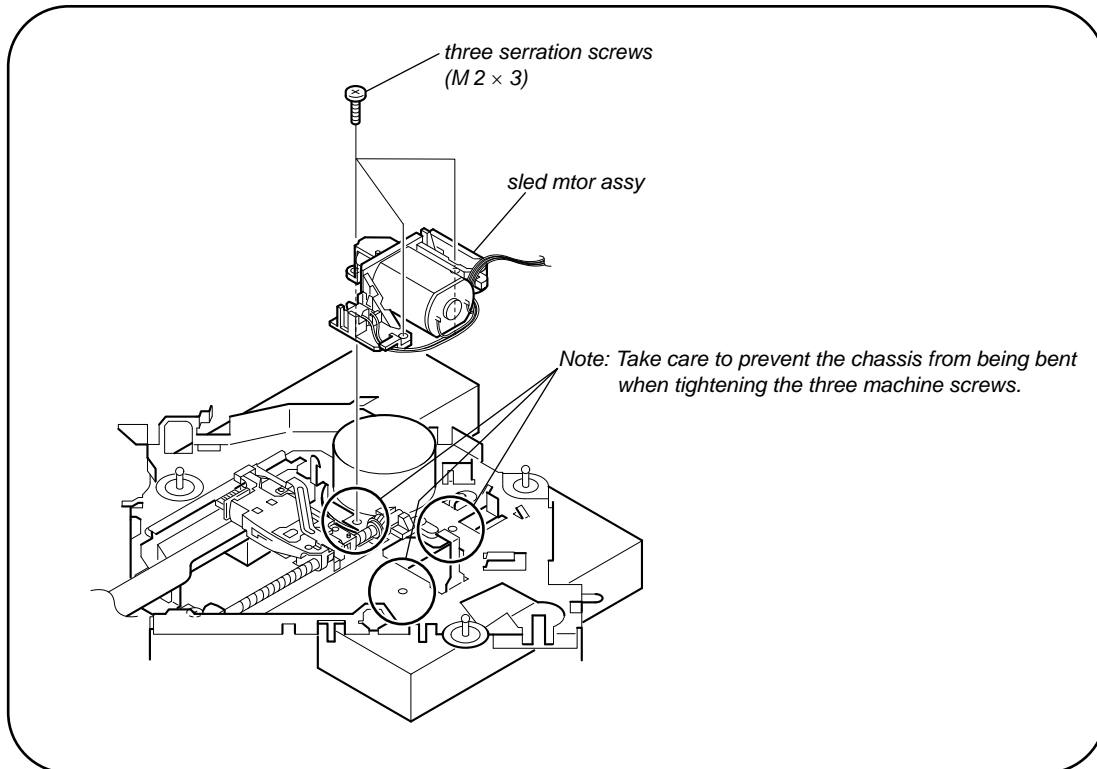
3-9. SLED MOTOR ASSY



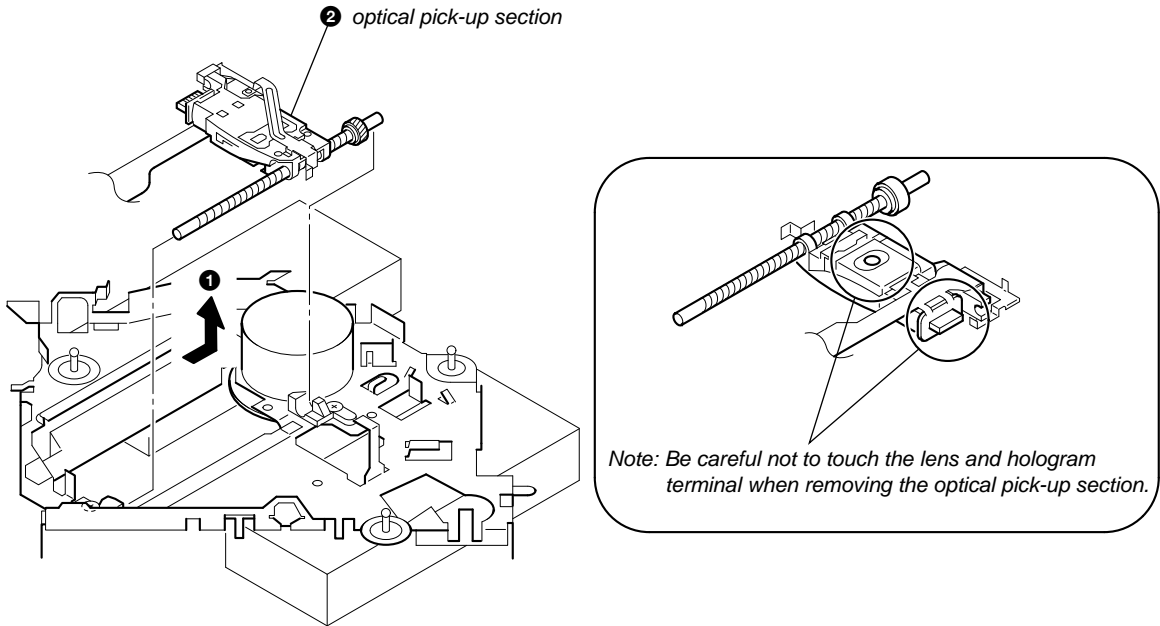
Note: Place the stand with care not to touch the turn table.



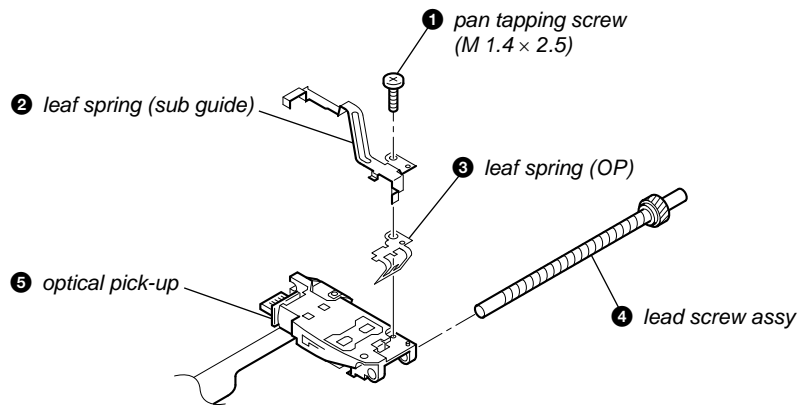
Note for Assembly



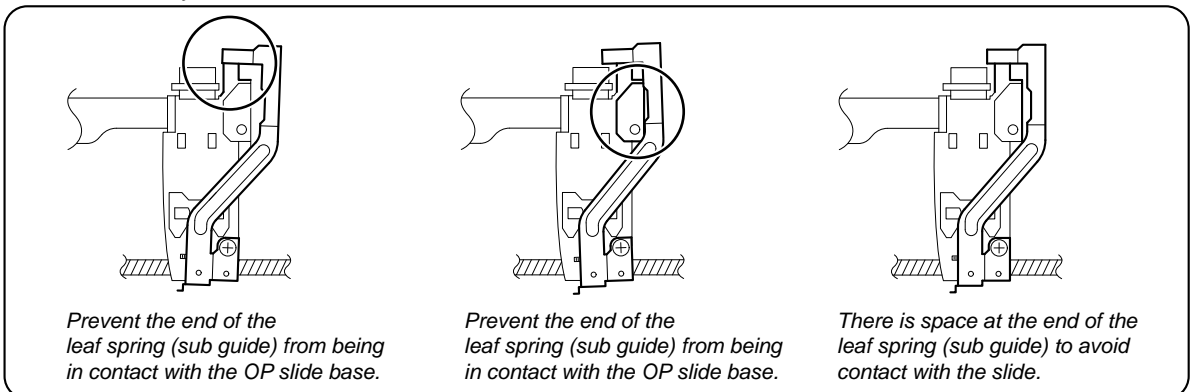
3-10. OPTICAL PICK-UP SECTION



3-11. OPTICAL PICK-UP



Notes for Assembly



CDX-GT620U/GT627UE/GT670U/GT670US

SECTION 4

DIAGNOSIS FUNCTION

Description of the Diagnostics function:

1. Setting the Diag display mode

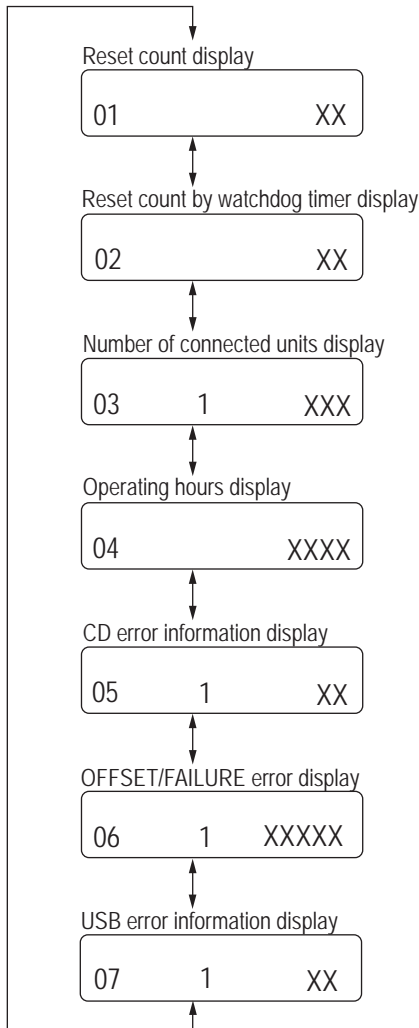
With the power off, press the [4] button, [5] button, and [4] button on the set body or the remote control (for more than 2 seconds) in turn.

2. Canceling the Diag display mode

During the Diag function mode, press the [OFF] button.

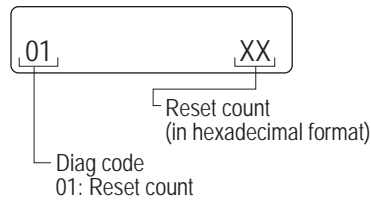
3. Initial display in the Diag display mode.

Just when the Diag mode is entered, "reset count" is displayed. The display mode is switched by each rotation of [▶▶ ▶▶/SEEK +] or [◀◀ ◀◀/SEEK -] keys.

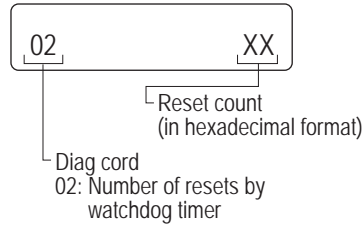


4. Contents of each display mode

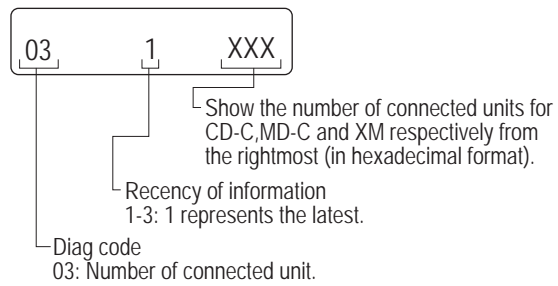
4-1. Reset count display mode



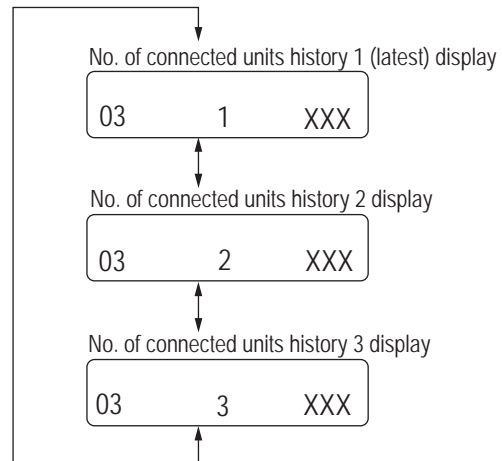
4-2. Reset count by watchdog timer display mode



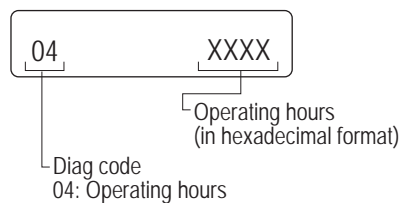
4-3. Number of connected units display mode



The display mode is switched by each rotation of [2/ALBM+] or [1/ALBM-] keys during the number of connected units display mode.

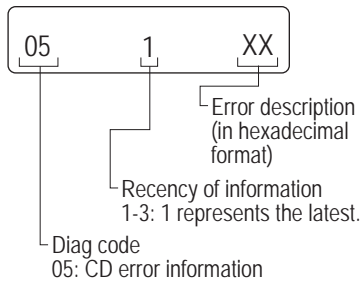


4-4. Operating hours display mode



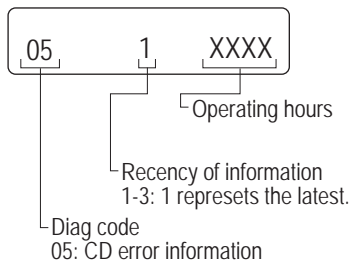
4-5. CD error information display mode

4-5-1. Error description

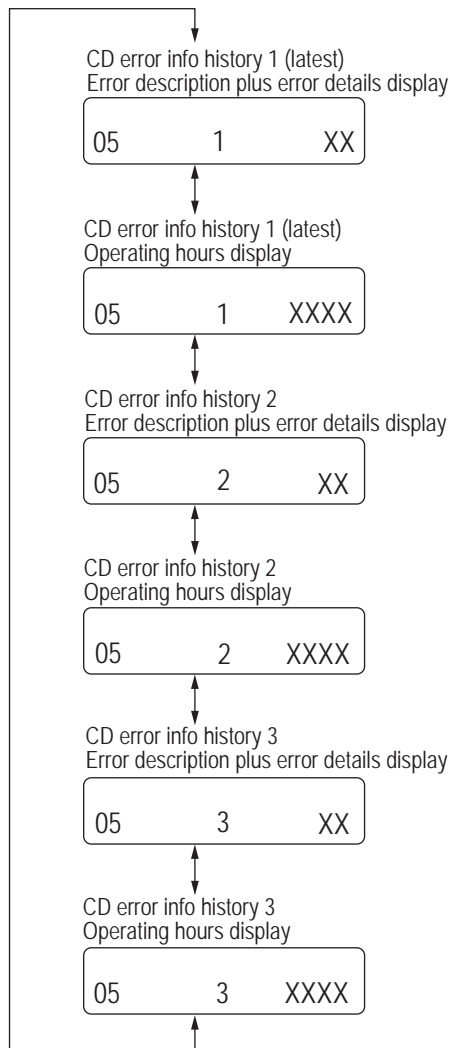


Indication	Description
1X	SERVO ERROR
3X	LOADING ERROR
4X	TRACK JUMP
5X	TEXT ERROR
FX	MECHA ERROR

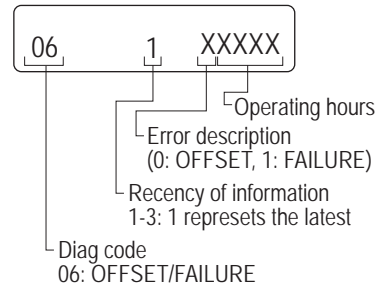
4-5-2. Operating hours



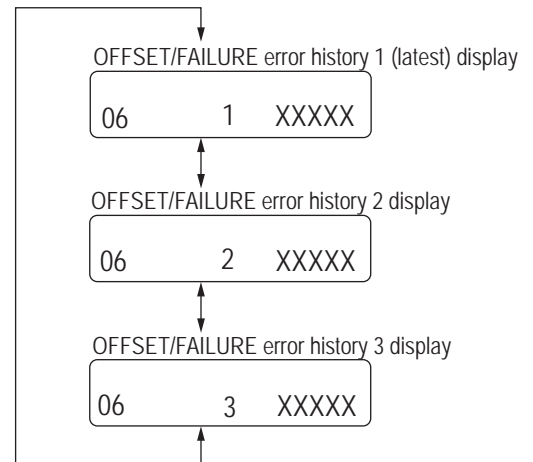
The display mode is switched by each rotation of [2/ALBM+] or [1/ALBM-] keys during the CD error information display mode.



4-6. OFFSET/FAILURE error display mode

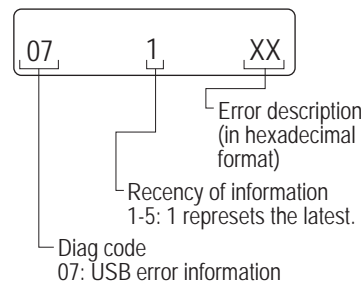


The display mode is switched by each rotation of [2/ALBM+] or [1/ALBM-] keys during the OFFSET/FAILURE error display mode.



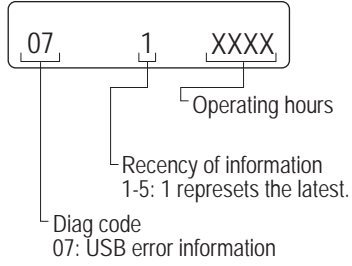
4-7. USB error information display mode

4-7-1. Error description

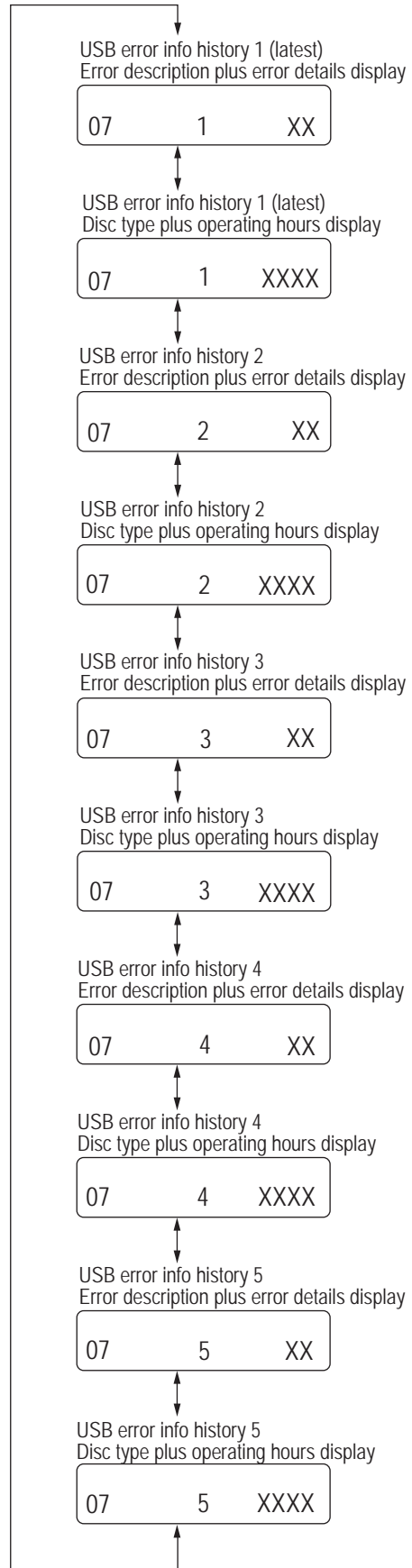


Indication	Description
15	DEVICE ERROR
17	FILE ERROR (NO MUSIC)
1E	POWER ON ERROR
1F	BOOT ERROR
3A	INVALID EJECT ERROR
43	READ ERROR
44	INVALID FORMAT FILE
FA	NOT SUPPORT DEVICE
FB	HUB NOT SUPPORT

4-7-2. Disc type and operating hours

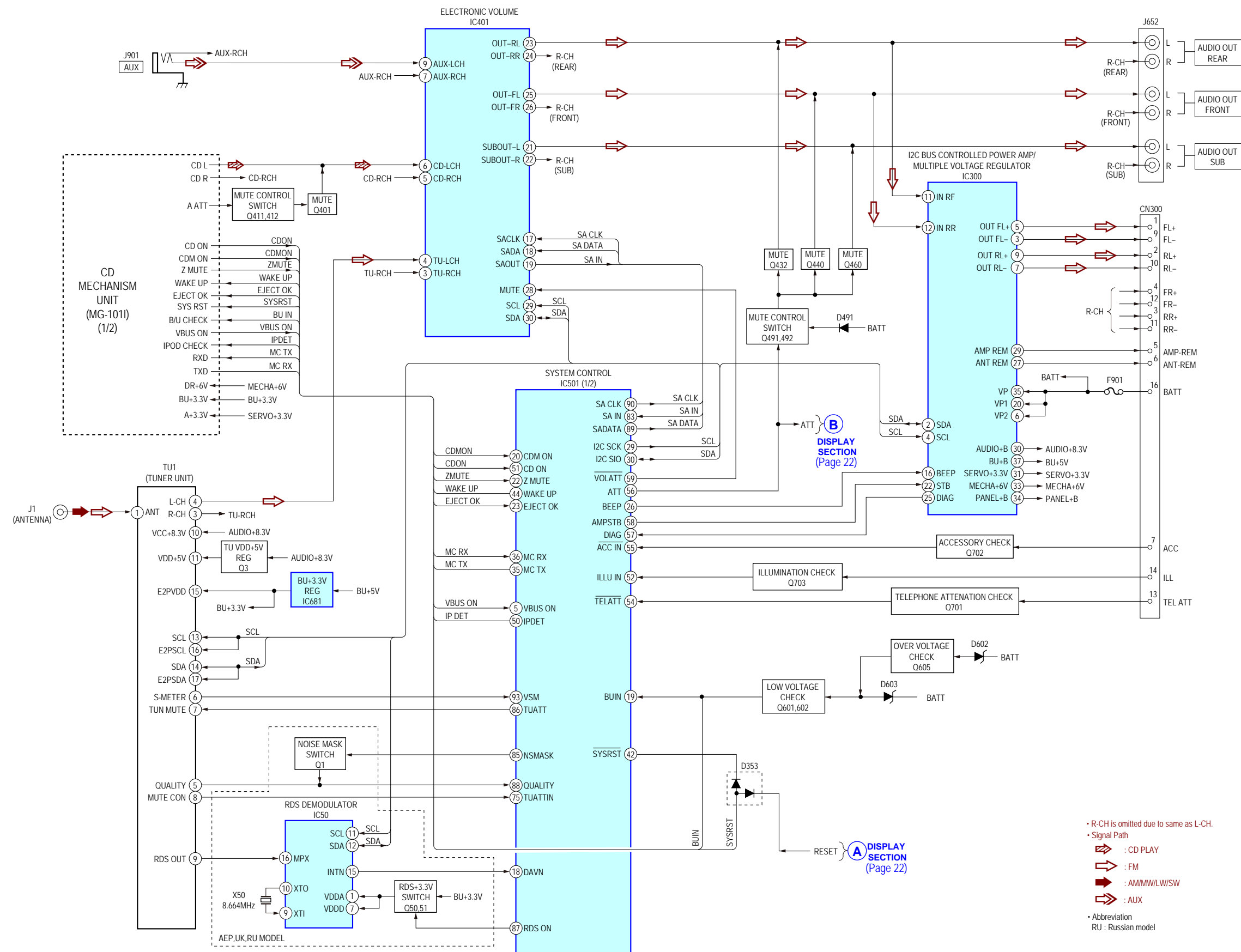


The display mode is switched by each rotation of [2/ALBM+] or [1/ALBM-] keys during the CD error information display mode.

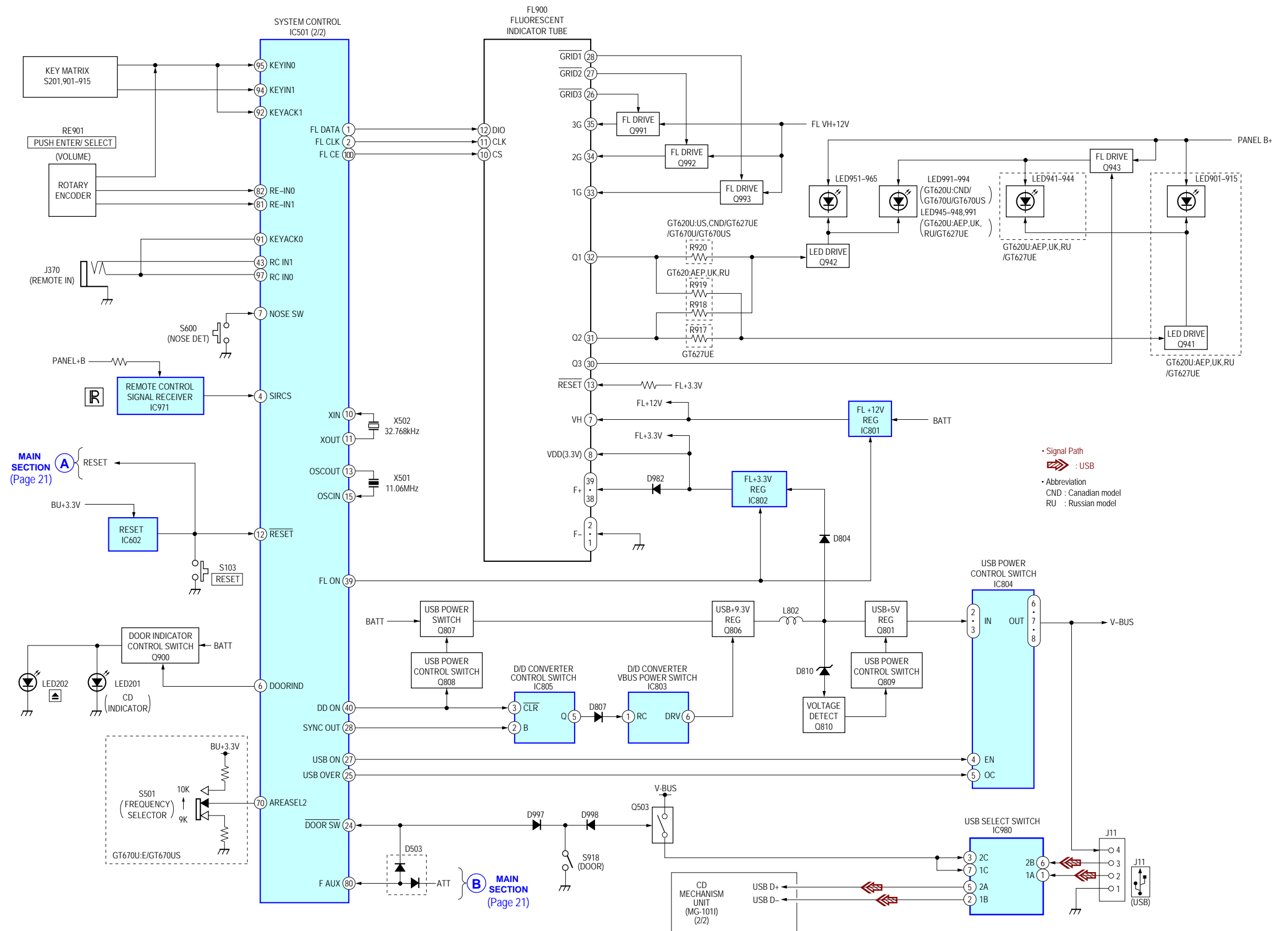


SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAM – MAIN Section –



5-2. 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.

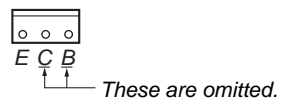
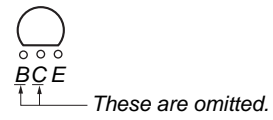
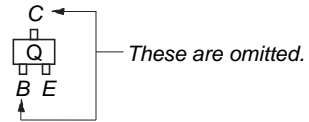
Note:

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

Caution:

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

- Indication of transistor.



- Abbreviation
 CND : Canadian model
 EA : Saudi Arabian model
 RU : Russian model

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 $1/4\text{ W}$ or less unless otherwise specified.
- Δ : internal component.
- : panel designation.

Note:

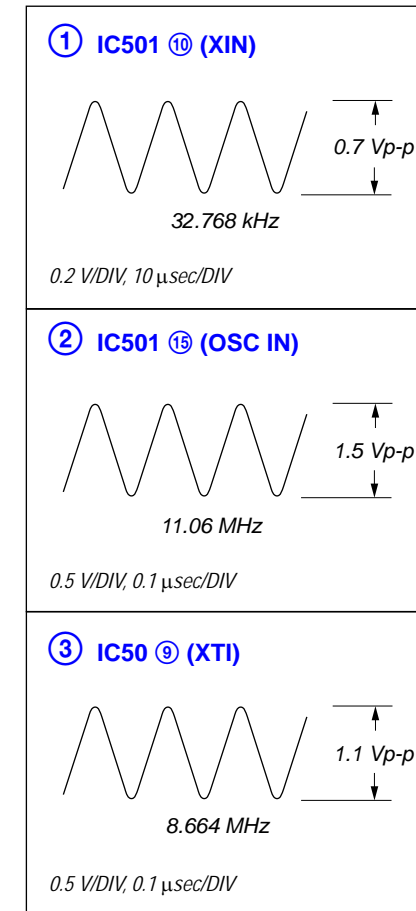
The components identified by mark Δ or dotted line with mark Δ are critical for safety.
 Replace only with part number specified.

Note:

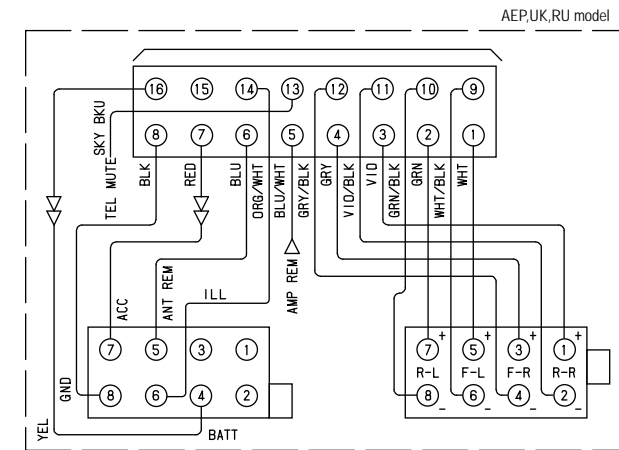
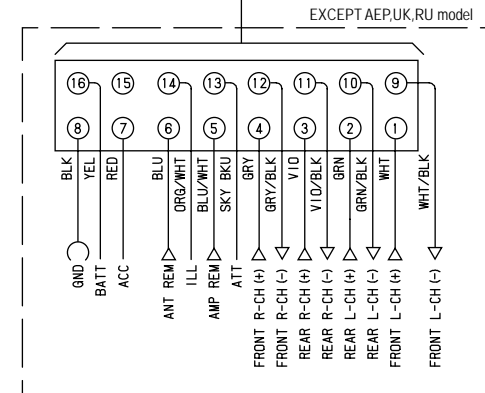
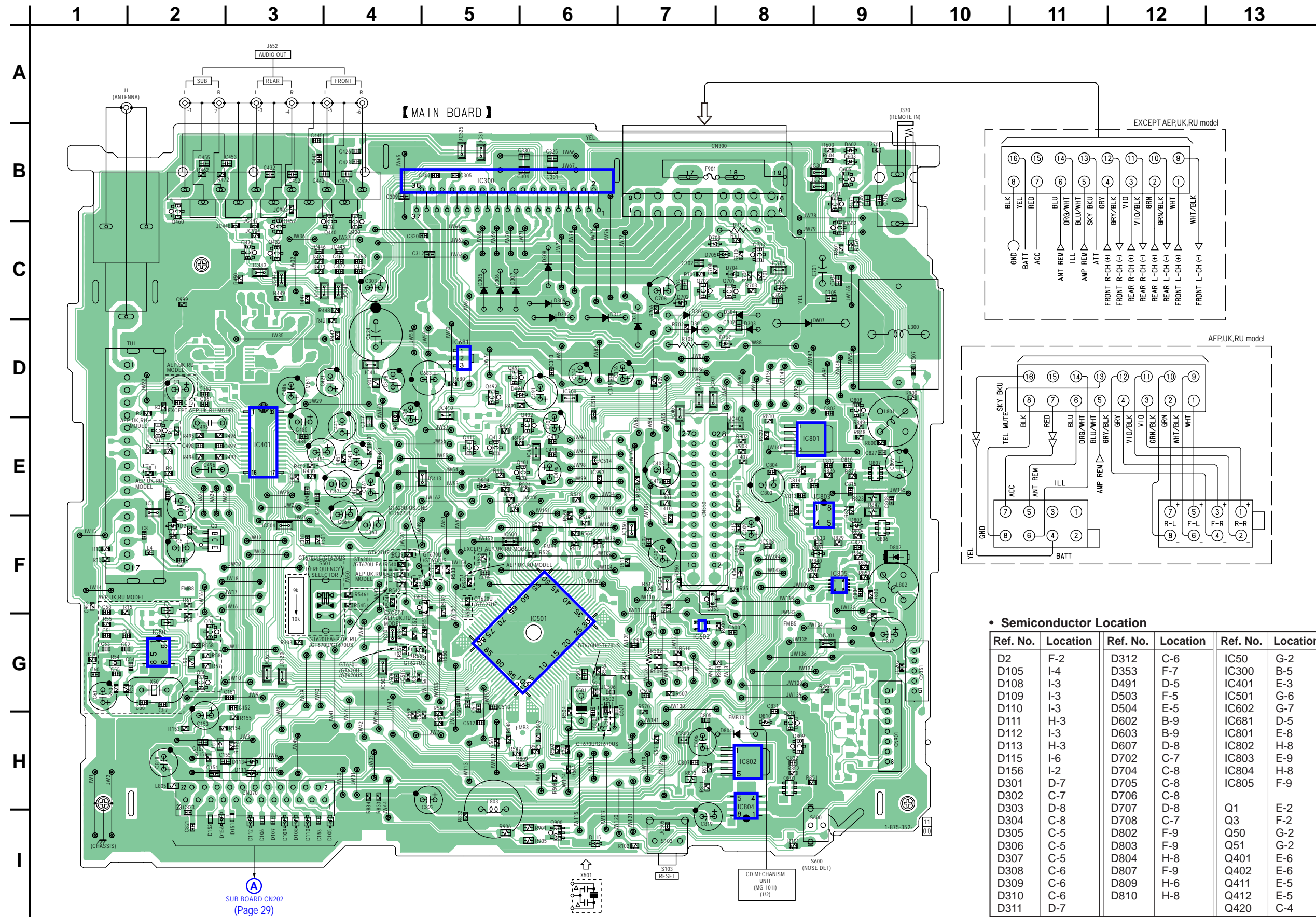
Les composants identifiés par une marque Δ sont critiques pour la sécurité.
 Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 no mark : FM
 () : AM/MW/LW/SW
 < > : CD PLAY
 * : Impossible to measure
- 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.
 : CD PLAY
 : FM
 : AM/MW/LW/SW
 : AUX
 : USB
- Abbreviation
 CND : Canadian model
 EA : Saudi Arabian model
 RU : Russian model

- Waveforms
 – MAIN Board –



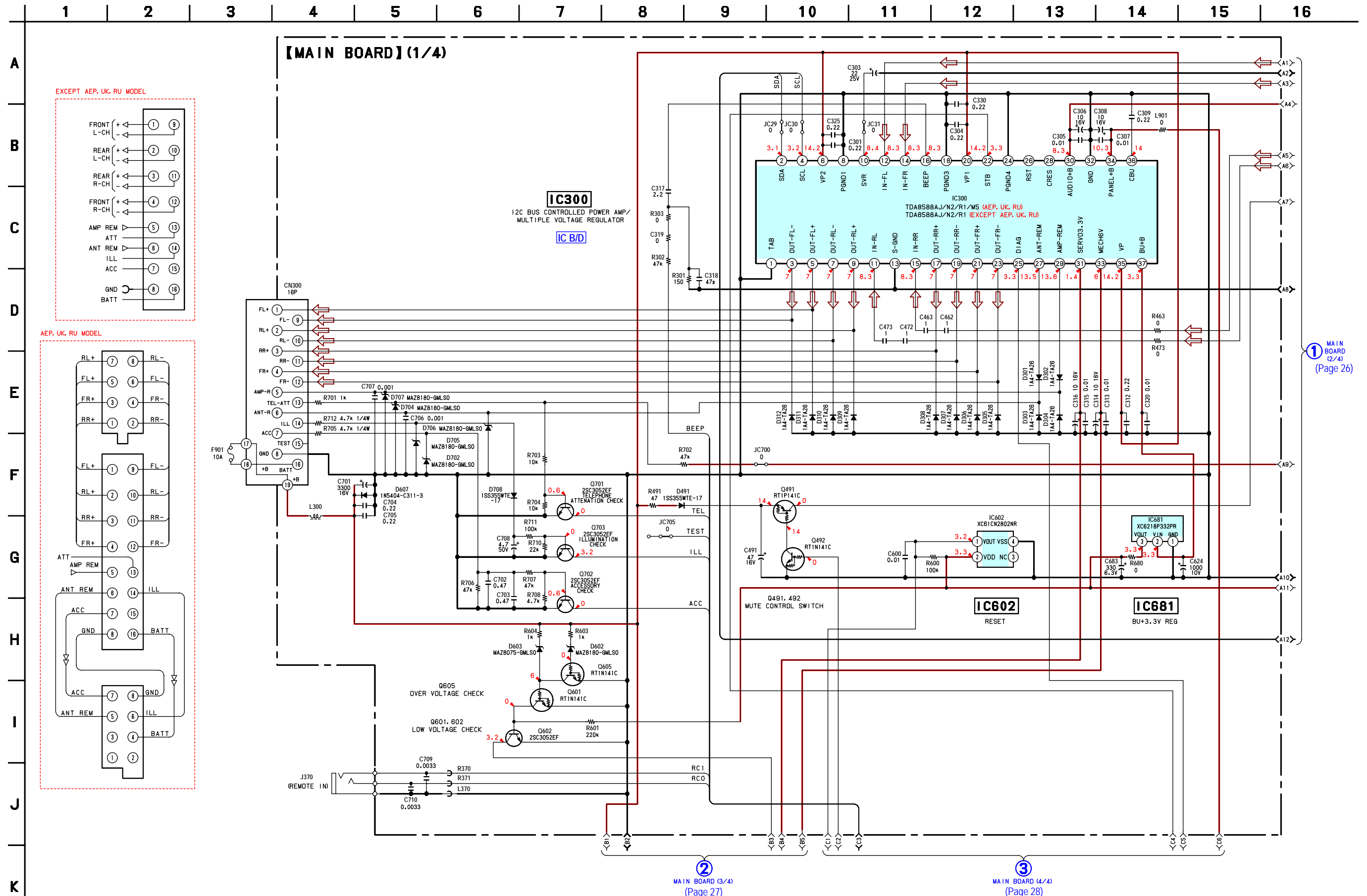
5-3. PRINTED WIRING BOARD – MAIN Section –  : Uses unleaded solder.



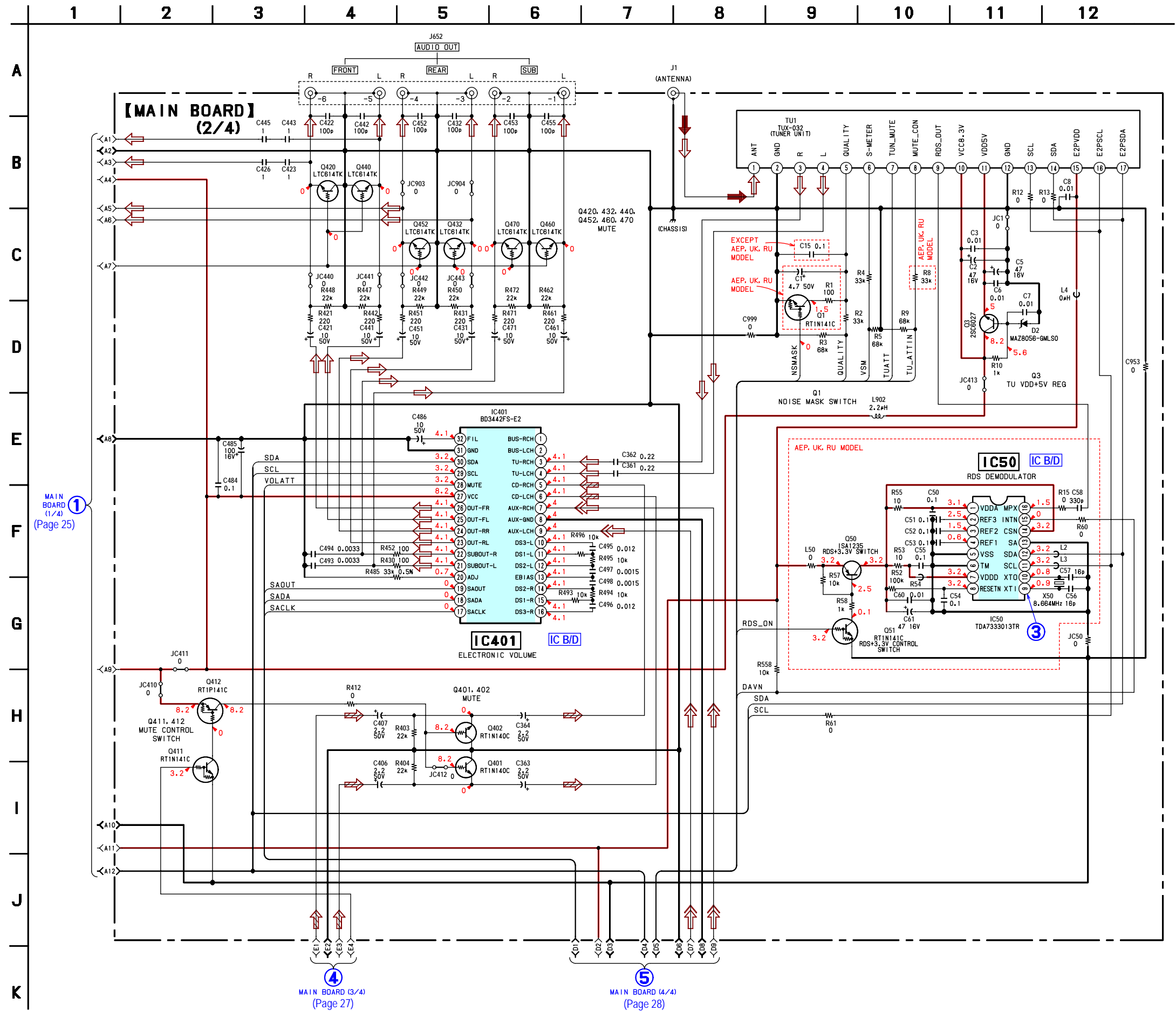
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2	F-2	D312	C-6	IC50	G-2	Q432	C-3
D105	I-4	D353	F-7	IC300	B-5	Q440	C-4
D108	I-3	D491	D-5	IC401	E-3	Q452	C-3
D109	I-3	D503	F-5	IC501	G-6	Q460	B-2
D110	I-3	D504	E-5	IC602	G-7	Q470	C-3
D111	H-3	D602	B-9	IC681	D-5	Q491	D-5
D112	I-3	D603	B-9	IC801	E-8	Q492	D-5
D113	H-3	D607	D-8	IC802	H-8	Q601	B-9
D115	I-6	D702	C-7	IC803	E-9	Q602	C-9
D156	I-2	D704	C-8	IC804	H-8	Q605	B-9
D301	D-7	D705	C-8	IC805	F-9	Q701	C-8
D302	C-7	D706	C-8			Q702	C-7
D303	D-8	D707	D-8	Q1	E-2	Q703	C-8
D304	C-8	D708	C-7	Q3	F-2	Q801	H-8
D305	C-5	D802	F-9	Q50	G-2	Q806	F-9
D306	C-5	D803	F-9	Q51	G-2	Q807	E-9
D307	C-5	D804	H-8	Q401	E-6	Q808	D-9
D308	C-6	D807	F-9	Q402	E-6	Q809	H-8
D309	C-6	D809	H-6	Q411	E-5	Q810	H-8
D310	C-6	D810	H-8	Q412	E-5	Q900	I-6
D311	D-7						

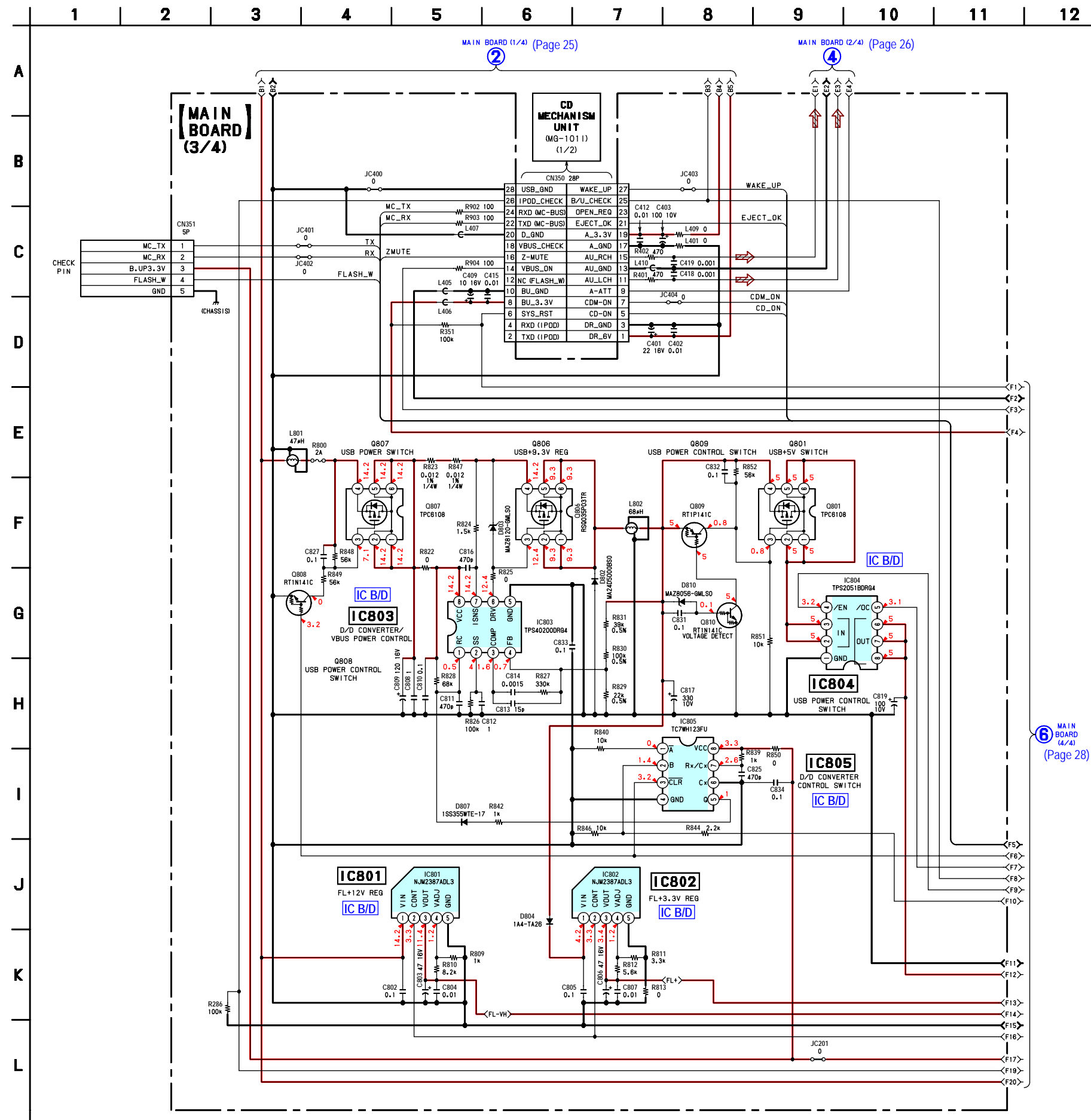
5-4. SCHEMATIC DIAGRAM – MAIN Section (1/4) – • See page 35 for IC Block Diagram.



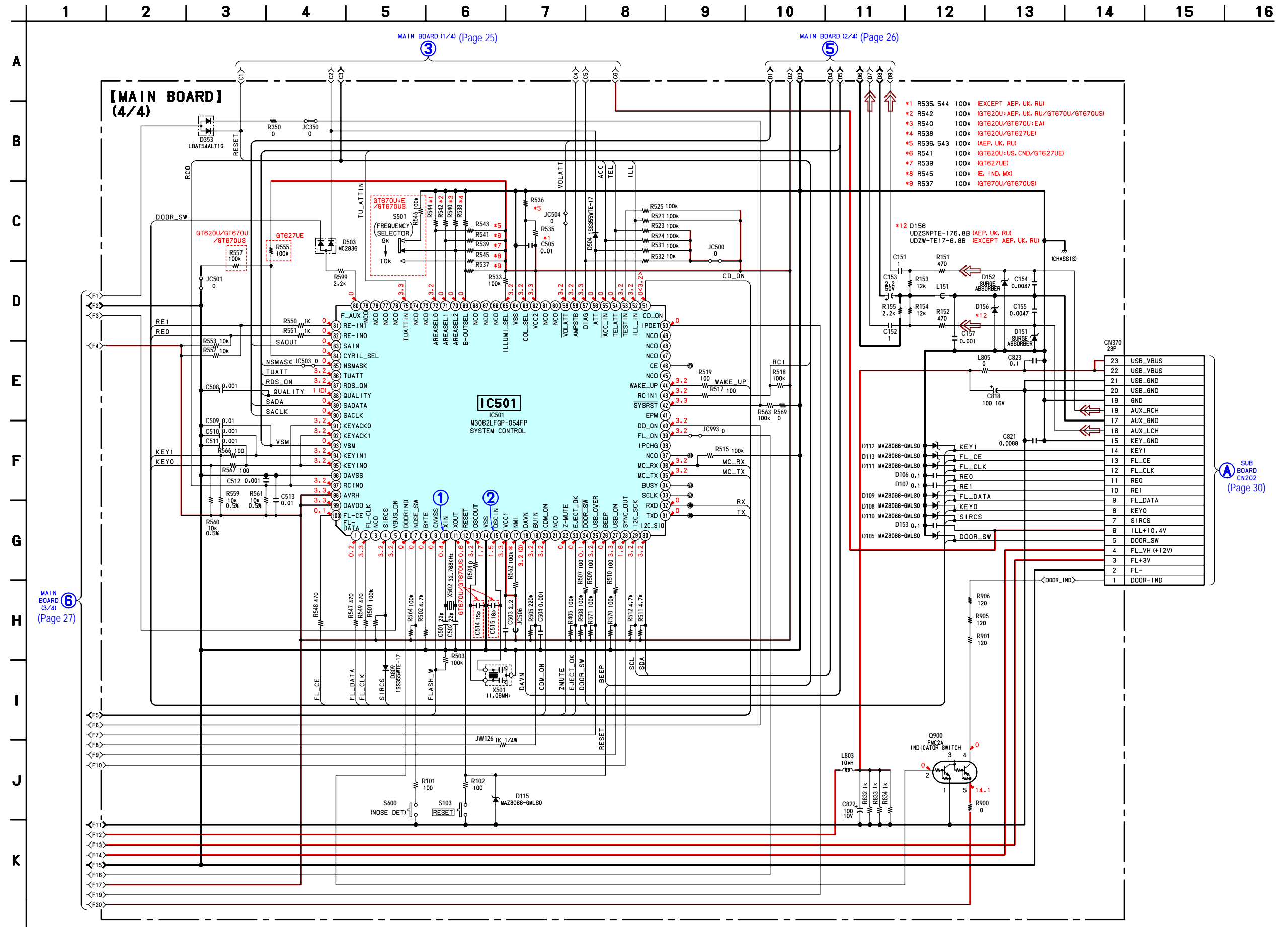
5-5. SCHEMATIC DIAGRAM – MAIN Section (2/4) – • See page 23 for waveform. • See page 36 for IC Block Diagrams.



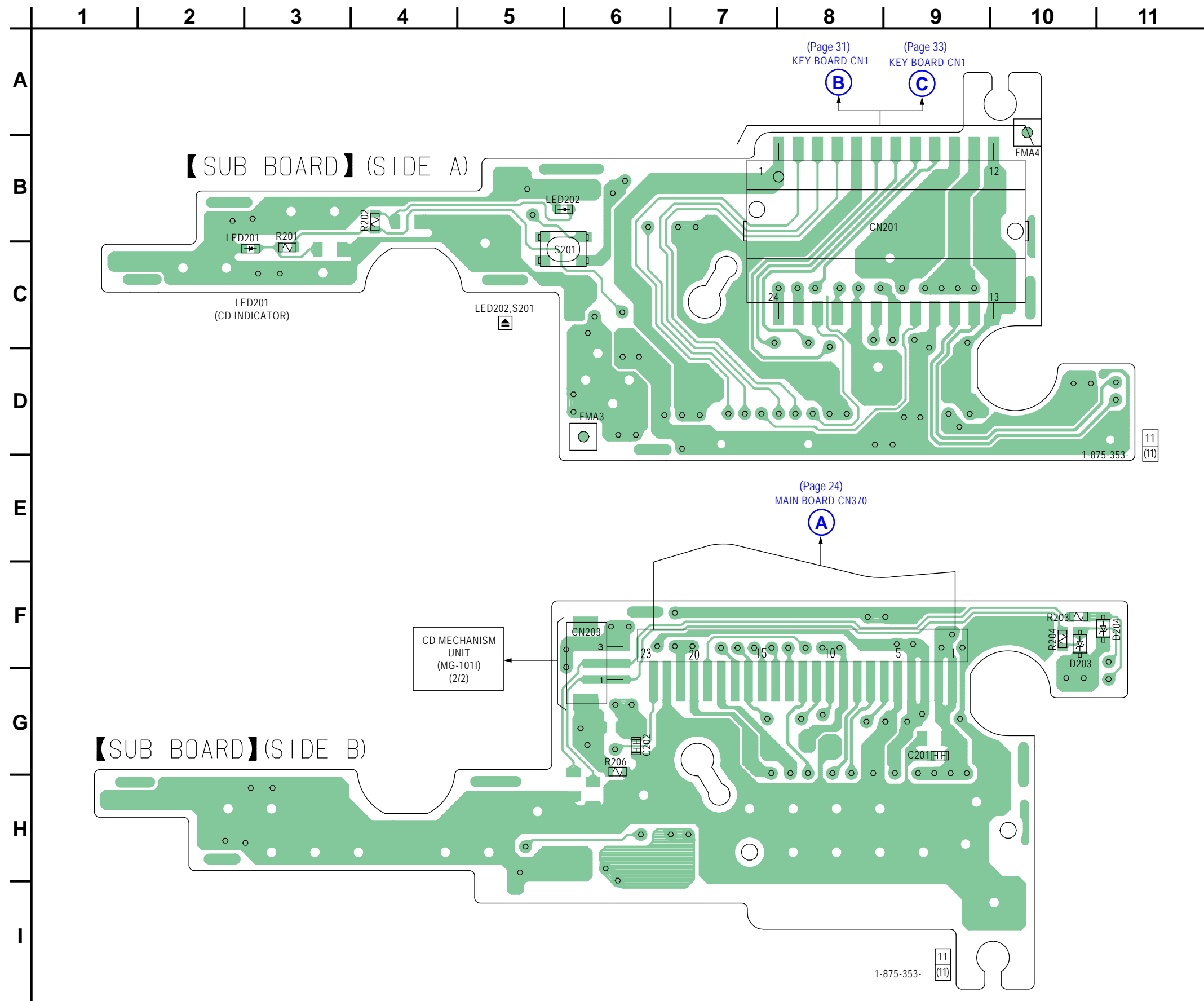
5-6. SCHEMATIC DIAGRAM – MAIN Section (3/4) – • See page 37 for IC Block Diagrams.



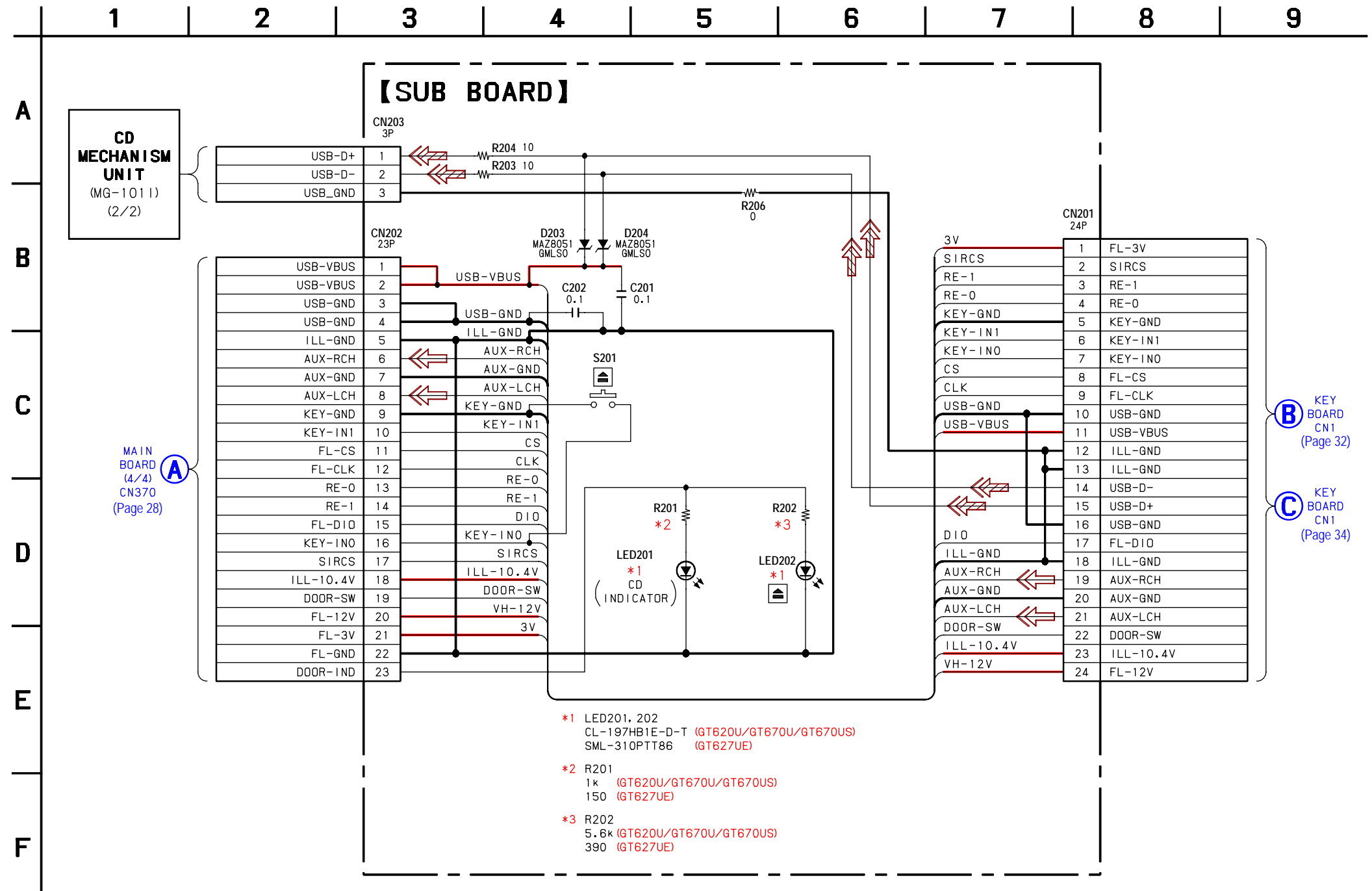
5-7. SCHEMATIC DIAGRAM – MAIN Section (4/4) – • See page 23 for waveforms. • See page 39 for IC Pin Function Description of IC501.



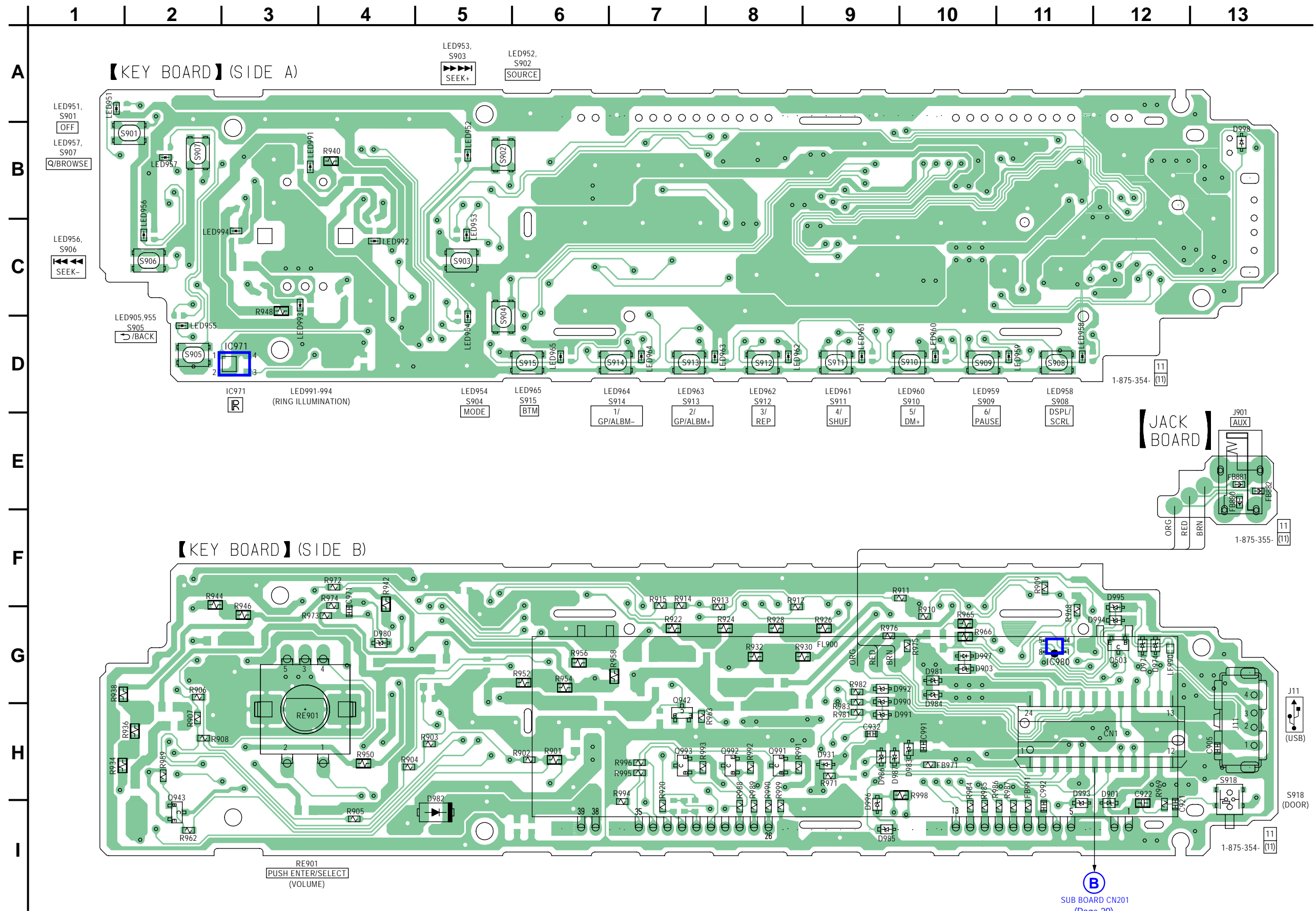
5-8. PRINTED WIRING BOARD – SUB Section – •  : Uses unleaded solder.



5-9. SCHEMATIC DIAGRAM – SUB Section –



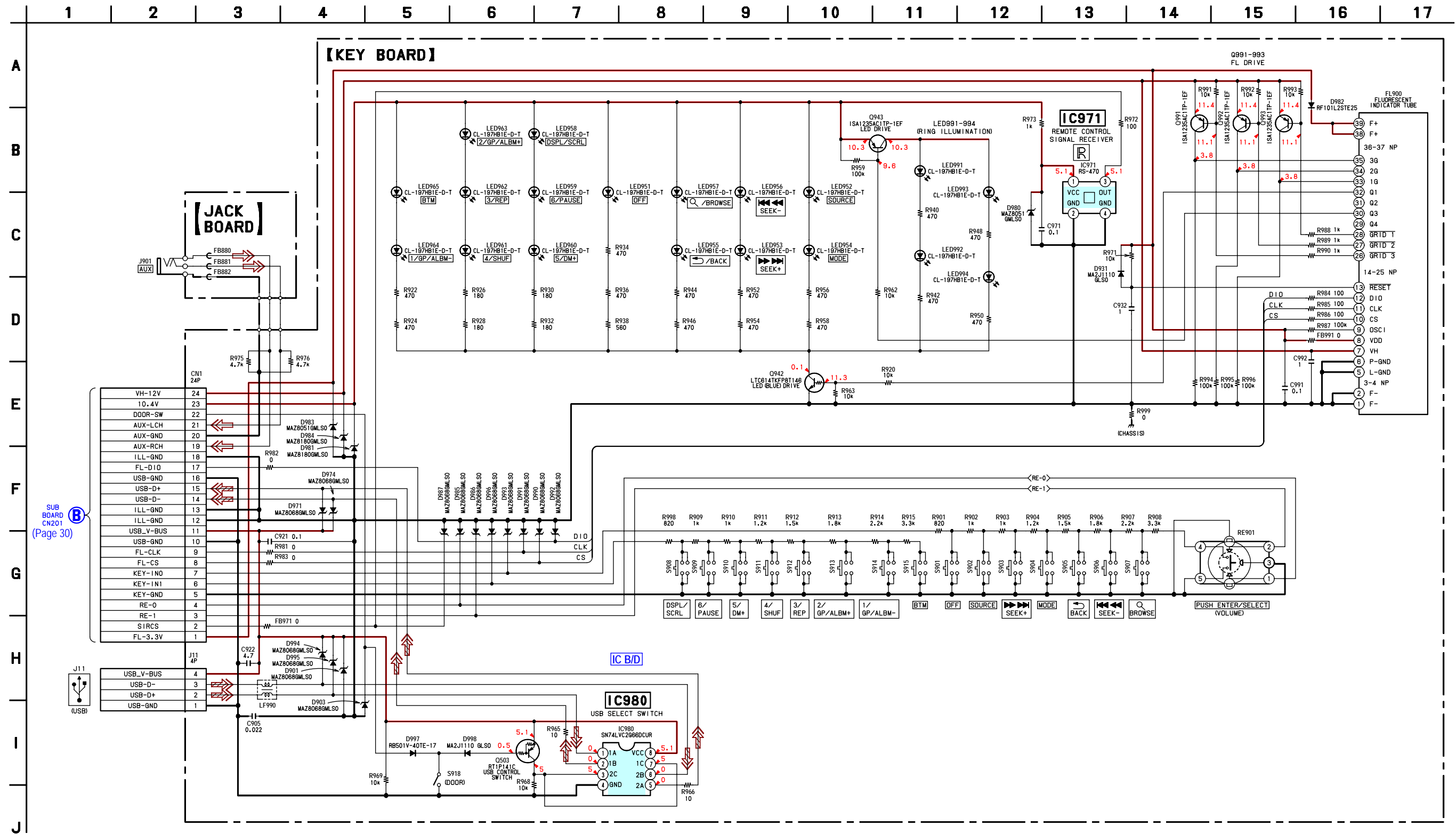
5-10. PRINTED WIRING BOARDS – KEY Section (1) – • **LF** : Uses unleaded solder.
(GT620U:US,CND/GT670U/GT670US)



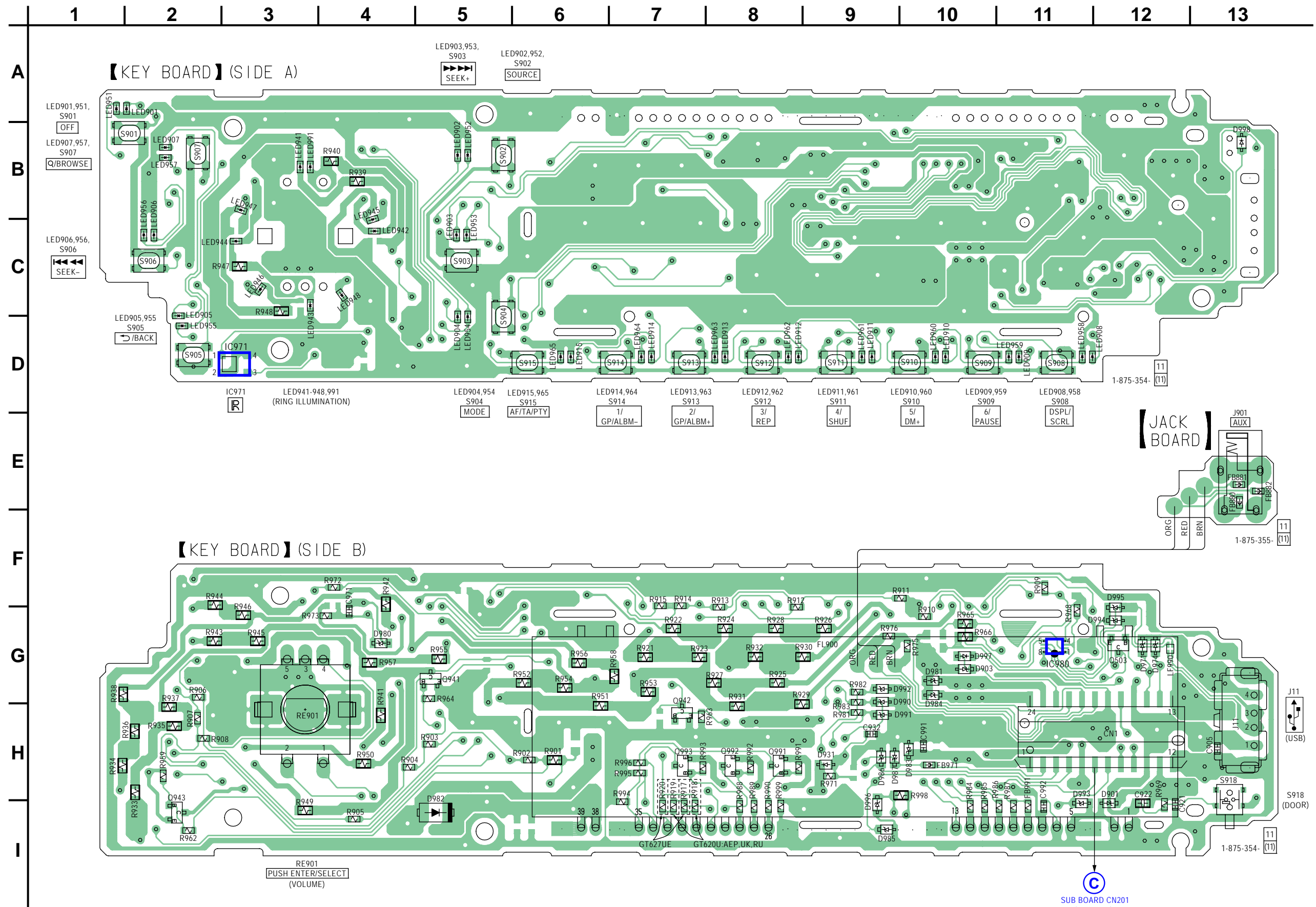
• Semiconductor Location

Ref. No.	Location
D901	I-12
D903	G-10
D931	H-9
D971	G-12
D974	G-12
D980	G-4
D981	G-10
D982	I-5
D983	H-10
D984	G-10
D985	I-9
D986	H-7
D987	H-7
D990	G-9
D991	H-9
D992	G-9
D993	I-11
D994	G-12
D995	G-12
D996	I-9
D997	G-10
D998	B-13
IC971	D-3
IC980	G-11
LED951	A-1
LED952	B-5
LED953	C-5
LED954	D-5
LED955	D-2
LED956	C-2
LED957	B-2
LED958	D-11
LED959	D-11
LED960	D-10
LED961	D-9
LED962	D-8
LED963	D-8
LED964	D-7
LED965	D-6
LED991	B-3
LED992	C-4
LED993	C-3
LED994	C-3
Q503	G-12
Q942	H-7
Q943	I-2
Q991	H-8
Q992	H-8
Q993	H-7

5-11. SCHEMATIC DIAGRAM – KEY Section (1) – • See page 38 for IC Block Diagram.
(GT620U:US,CND/GT670U/GT670US)



5-12. PRINTED WIRING BOARDS – KEY Section (2) –  : Uses unleaded solder.
(GT620U:AEP,UK,RU/GT627UE)

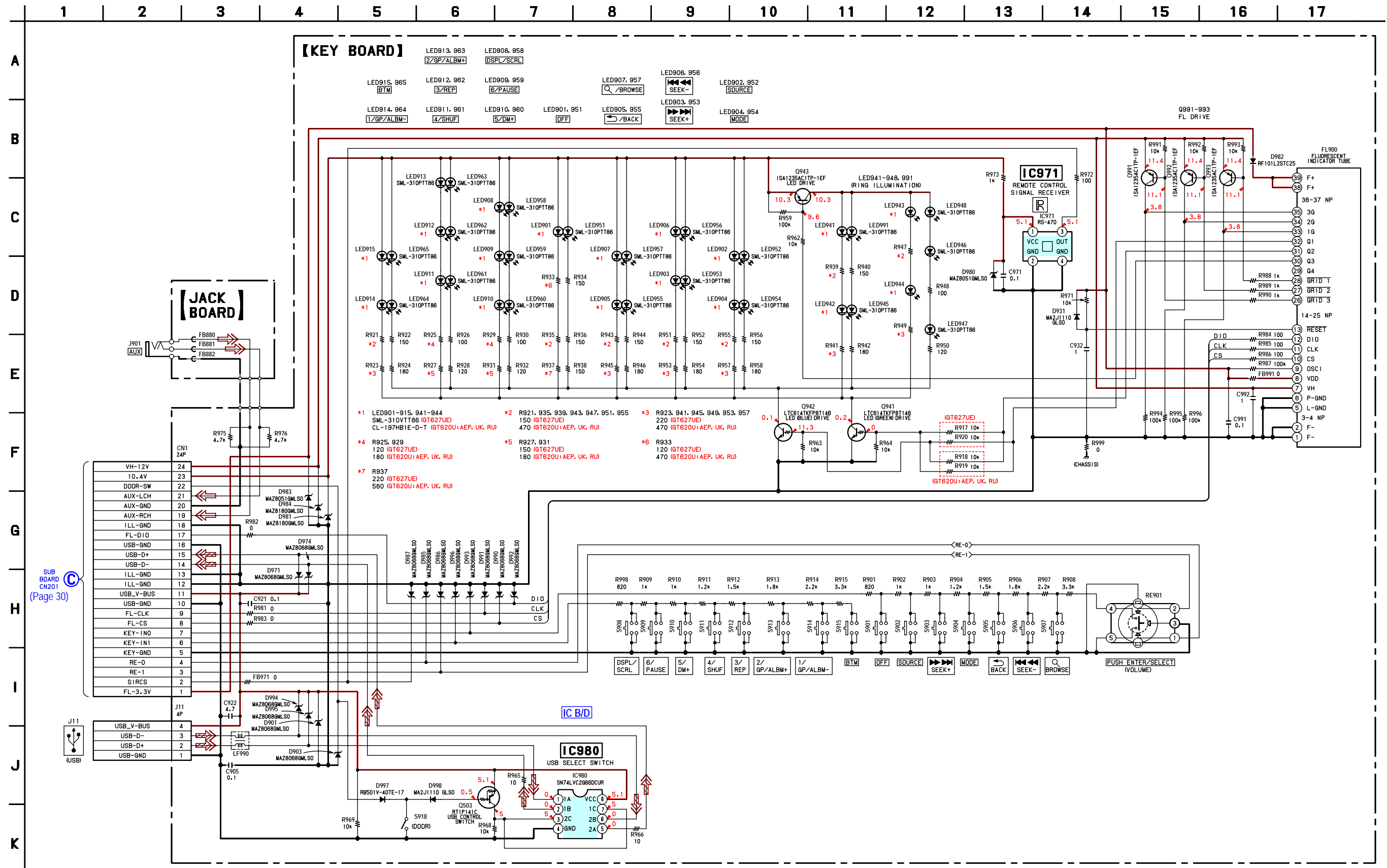


• Semiconductor Location

Ref. No.	Location
D901	I-12
D903	G-10
D931	H-9
D971	G-12
D974	G-12
D980	G-4
D981	G-10
D982	I-5
D983	H-10
D984	G-10
D985	I-9
D986	H-7
D987	H-7
D990	G-9
D991	H-9
D992	G-9
D993	I-11
D994	G-12
D995	G-12
D996	I-9
D997	G-10
D998	B-13
IC971	D-3
IC980	G-11
LED901	A-2
LED902	B-5
LED903	C-5
LED904	D-5
LED905	D-2
LED906	C-2
LED907	B-2
LED908	D-12
LED909	D-11
LED910	D-10
LED911	D-9
LED912	D-8
LED913	D-8
LED914	D-7
LED915	D-6
LED941	B-3
LED942	C-4
LED943	C-3
LED944	C-3
LED945	B-4
LED946	C-3
LED947	B-3
LED948	C-4
LED951	A-1
LED952	B-5
LED953	C-5
LED954	D-5
LED955	D-2
LED956	C-2
LED957	B-2
LED958	D-11
LED959	D-11
LED960	D-10
LED961	D-9
LED962	D-8
LED964	D-7
LED965	D-6
LED991	B-3
Q503	G-12
Q941	G-5
Q942	H-7
Q943	I-2
Q991	H-8
Q992	H-8
Q993	H-7

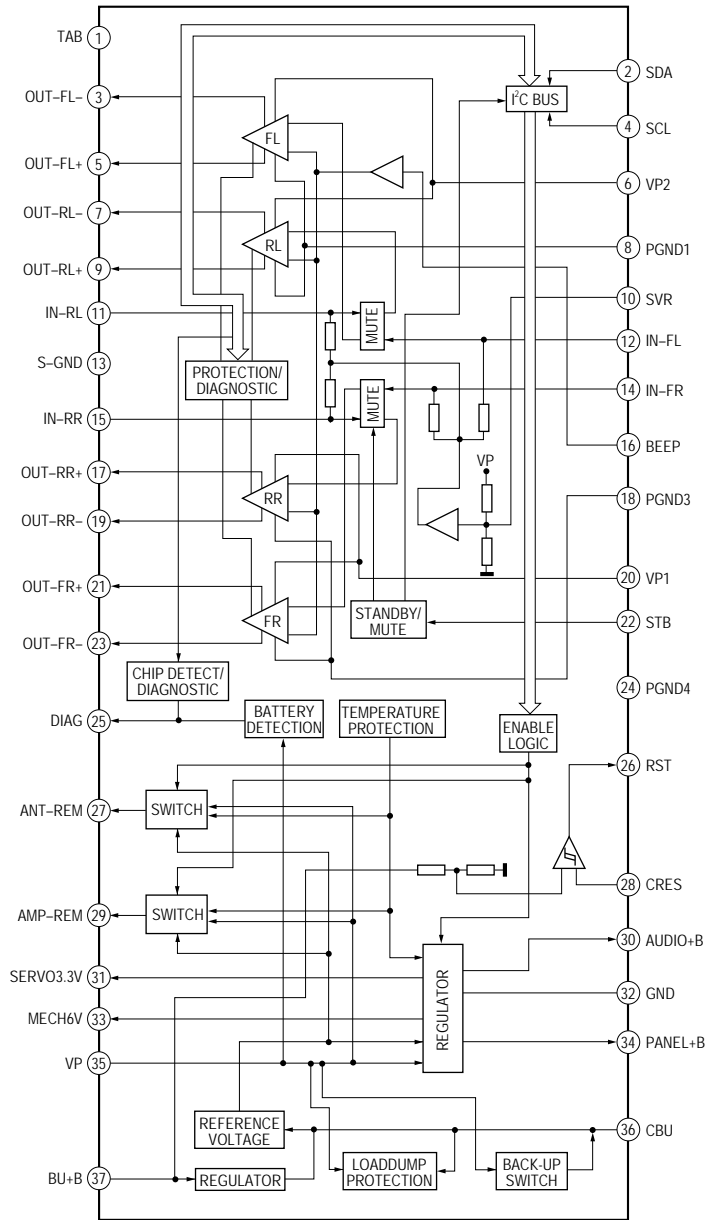
Ⓒ
SUB BOARD CN201
(Page 29)

5-13. SCHEMATIC DIAGRAM – KEY Section (2) – • See page 38 for IC Block Diagram.
(GT620U:AEP,UK,RU/GT627UE)

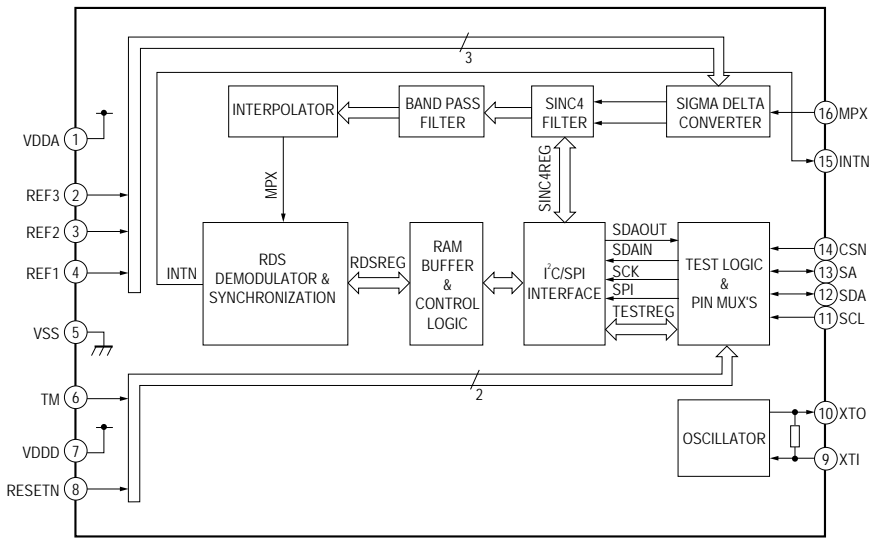


• IC Block Diagrams

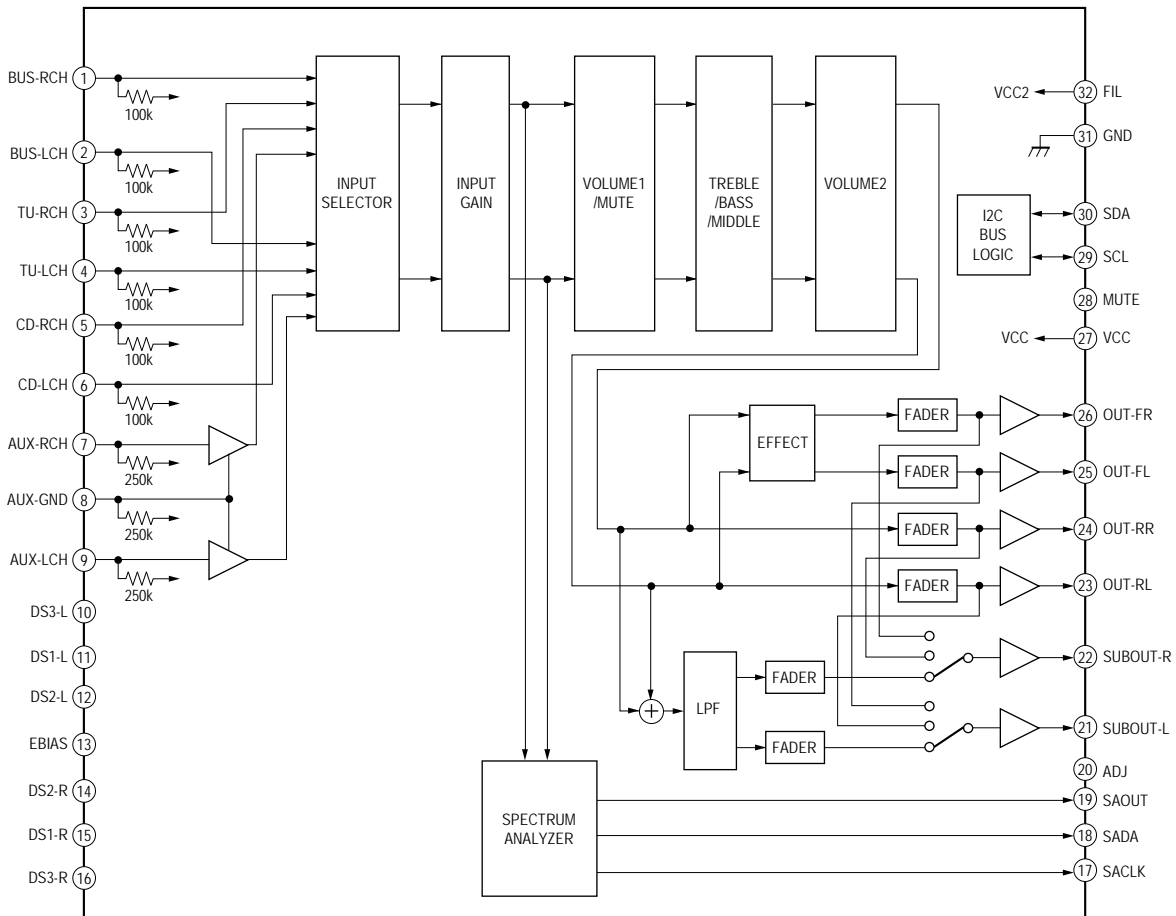
IC300 TDA8588AJ/N2/R1/M5 (AEP, UK, RU) (MAIN Board (1/4))
 IC300 TDA8588AJ/N2/R1 (EXCEPT AEP, UK, RU) (MAIN Board (1/4))



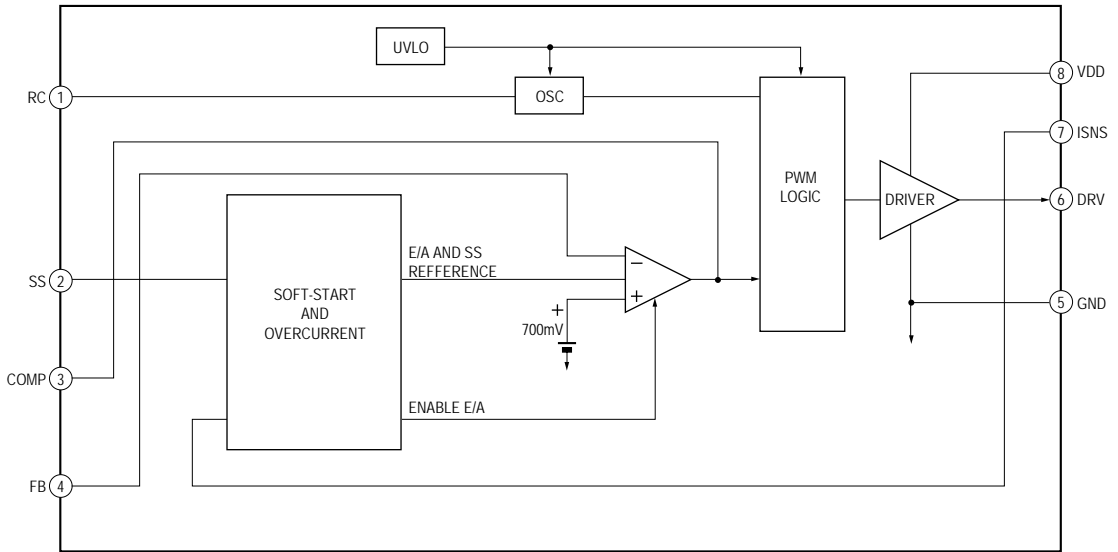
IC50 TDA7333013TR (AEP, UK, RU) (MAIN Board (2/4))



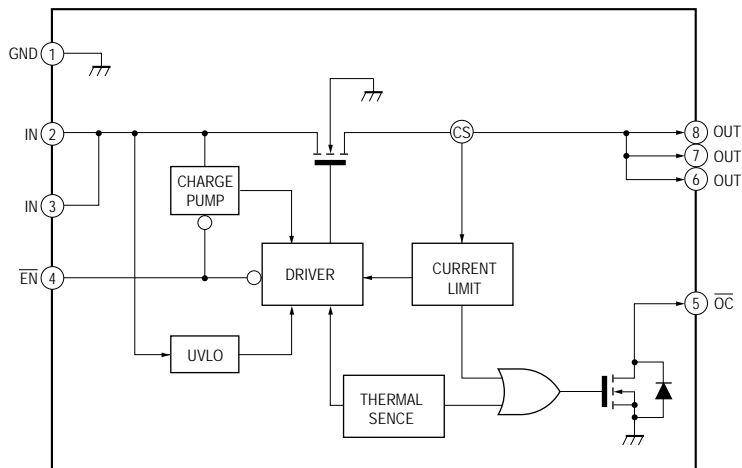
IC401 BD3442FS-E2 (MAIN Board (2/4))



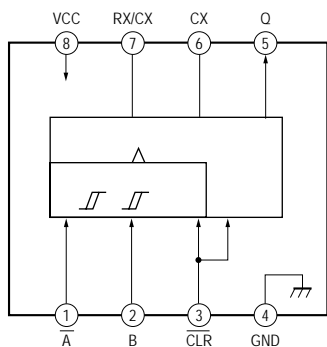
IC803 TPS40200DRG4 (MAIN Board (3/4))



IC804 TPS2051BDRG4 (MAIN Board (3/4))

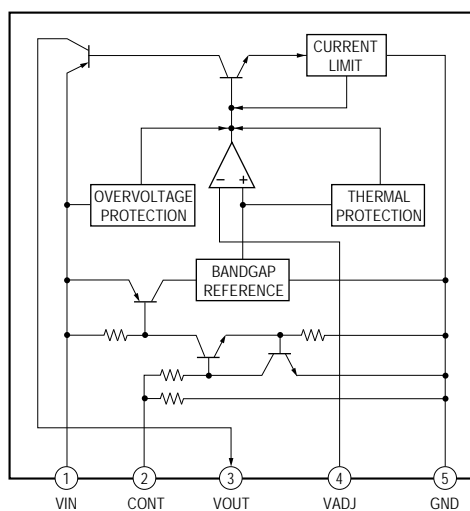


IC805 TC7WH123FU(TE12R) (MAIN Board (3/4))



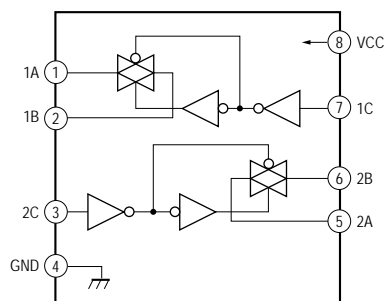
IC801 NJM2387ADL3(TE2) (MAIN Board (3/4))

IC802 NJM2387ADL3(TE2) (MAIN Board (3/4))



**IC980 SN74LVC2G66DCUR (KEY Board)
(GT620U:CND/GT670U/GT670US)**

**IC980 SN74LVC2G66DCUR (KEY Board)
(GT620U:AEP,UK,RU/GT627UE)**



• IC Pin Function Description

MAIN BOARD IC501 M3062LFGP-054FP (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	FL DATA	O	Fluorescent indicator tube serial data signal output
2	FL CLK	O	Fluorescent indicator tube serial clock signal output
3	NCO	O	Not used. (Open)
4	SIRCS	I	Remote control signal input
5	VBUS ON	I	VBUS power supply control signal input "H": VBUS on, "L": VBUS off
6	DOORIND	O	Door indicator control signal output
7	NOSE SW	I	Panel detection signal input
8	BYTE	I	Connect to ground. (Pull down)
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	OSCOOUT	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	DAVN	I	RDS data block cycle detection signal input
19	BUIN	I	Back up power supply detection signal input
20	CDM ON	I	CD mechanism deck power supply control request signal input
21	NCO	O	Not used. (Open)
22	Z MUTE	I	Mute signal input
23	EJECT OK	O	Eject ok signal output
24	DOOR SW	I	Front panel open/close detection signal input
25	USB OVER	I	USB over current detection signal input
26	BEEP	O	Beep signal output to power amplifier
27	USB ON	O	USB over current detection IC control signal output
28	SYNC OUT	O	DC/DC converter oscillator frequency control signal output
29	I2C SCK	O	I2C serial clock signal output
30	I2C SIO	I/O	I2C serial data signal input/output
31	TXD	O	Flash write interface serial data signal output
32	RXD	I	Flash write interface serial data signal input
33	SCLK	O	Not used in this set. (Open)
34	BUSY	O	Not used in this set. (Open)
35	MC TX	O	MC-BUS communication and mechanism IC communication TX output
36	MC RX	I	MC-BUS communication and mechanism IC communication RX input
37	NCO	O	Not used. (Open)
38	IPCHG	O	Not used in this set. (Open)
39	FL ON	O	Fluorescent indicator tube power supply control signal output
40	DD ON	O	DC/DC converter power supply on/off control signal output
41	EPM	O	Not used in this set. (Open)
42	SYSRST	O	System reset signal output
43	RCIN1	I	Rotary commander shift key signal input
44	WAKE UP	O	Mechanism IC wake up signal output
45	NCO	O	Not used. (Open)
46	CE	O	Not used in this set. (Open)
47 to 49	NCO	O	Not used. (Open)
50	IPDET	O	I-pod detection signal output
51	CD ON	I	CD mechanism servo power supply control request signal input
52	ILL IN	I	Illumination signal input for auto dimmer
53	TESTIN	I	Test mode detection signal input
54	TELATT	I	Telephone attenuate detection signal input
55	ACC IN	I	Accessory power supply detection signal input
56	ATT	O	Audio mute control signal output

CDX-GT620U/GT627UE/GT670U/GT670US

Pin No.	Pin Name	I/O	Description
57	DIAG	I	Condition signal input from power amplifier IC
58	AMPSTB	O	Standby signal output to power regulator IC
59	VOLATT	O	Electrical volume attenuate control signal output
60, 61	NCO	O	Not used. (Open)
62	VCC2	—	Power supply pin (+3.3V)
63	COL SEL	I	Key illumination change setting signal input
64	VSS	—	Ground pin
65	ILLUMI SEL	I	Illumination voltage setting signal input for panel "H": 10.4V, "L": 9V
66 to 68	NCO	O	Not used. (Open)
69	B OUTSEL	I	Black out setting signal input "H": Block out
70	AREASEL 2	I	Destination setting pin 2
71	AREASEL 1	I	Destination setting pin 1
72	AREASEL 0	I	Destination setting pin 0
73, 74	NCO	O	Not used. (Open)
75	TUATTIN	I	Tuner mute zero cross detection signal input
76 to 79	NCO	O	Not used. (Open)
80	F AUX	O	Front AUX mute signal output Front AUX select: "H"
81	RE IN1	I	Rotary encoder signal input 1
82	RE IN0	I	Rotary encoder signal input 0
83	SAIN	I	Spectrum analyzer signal input
84	CYRIL SEL	I	Cyril select signal input "H": Cyril select
85	NSMASK	O	Noise mask signal output
86	TUATT	O	Tuner mute control signal output
87	RDS ON	O	RDS IC power supply control signal output
88	QUALITY	I	Noise detection signal input
89	SADATA	O	Spectrum analyzer data signal output
90	SACLK	O	Spectrum analyzer clock signal output
91	KEYACK0	I	Key Acknowledge detection signal input (Rotary command signal input)
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	DAVSS	—	Ground pin for A/D converter
97	RCIN0	I	Rotary commander key signal input
98	AVRH	—	A/D converter external reference power supply pin (+3.3V)
99	DAVDD	—	A/D converter power supply pin (+3.3V)
100	FL CE	O	Fluorescent indicator tube chip enable signal output

CDX-GT620U/GT627UE/GT670U/GT670US

SECTION 6

EXPLODED VIEWS

Ver. 1.1

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.
- Abbreviation
CND : Canadian model
EA : Saudi Arabian model
RU : Russian model

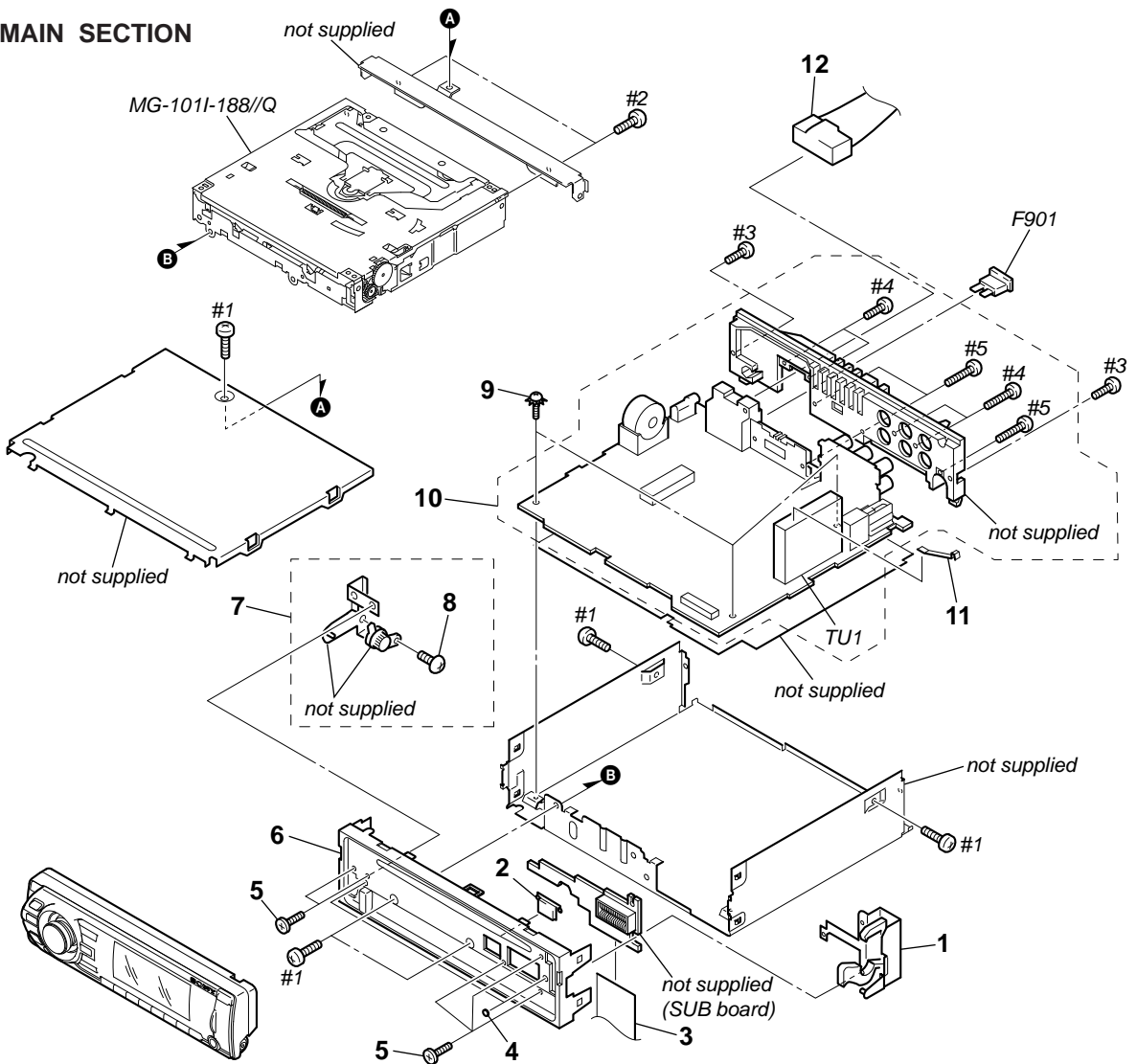
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) . . . (RED)

↑ 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.

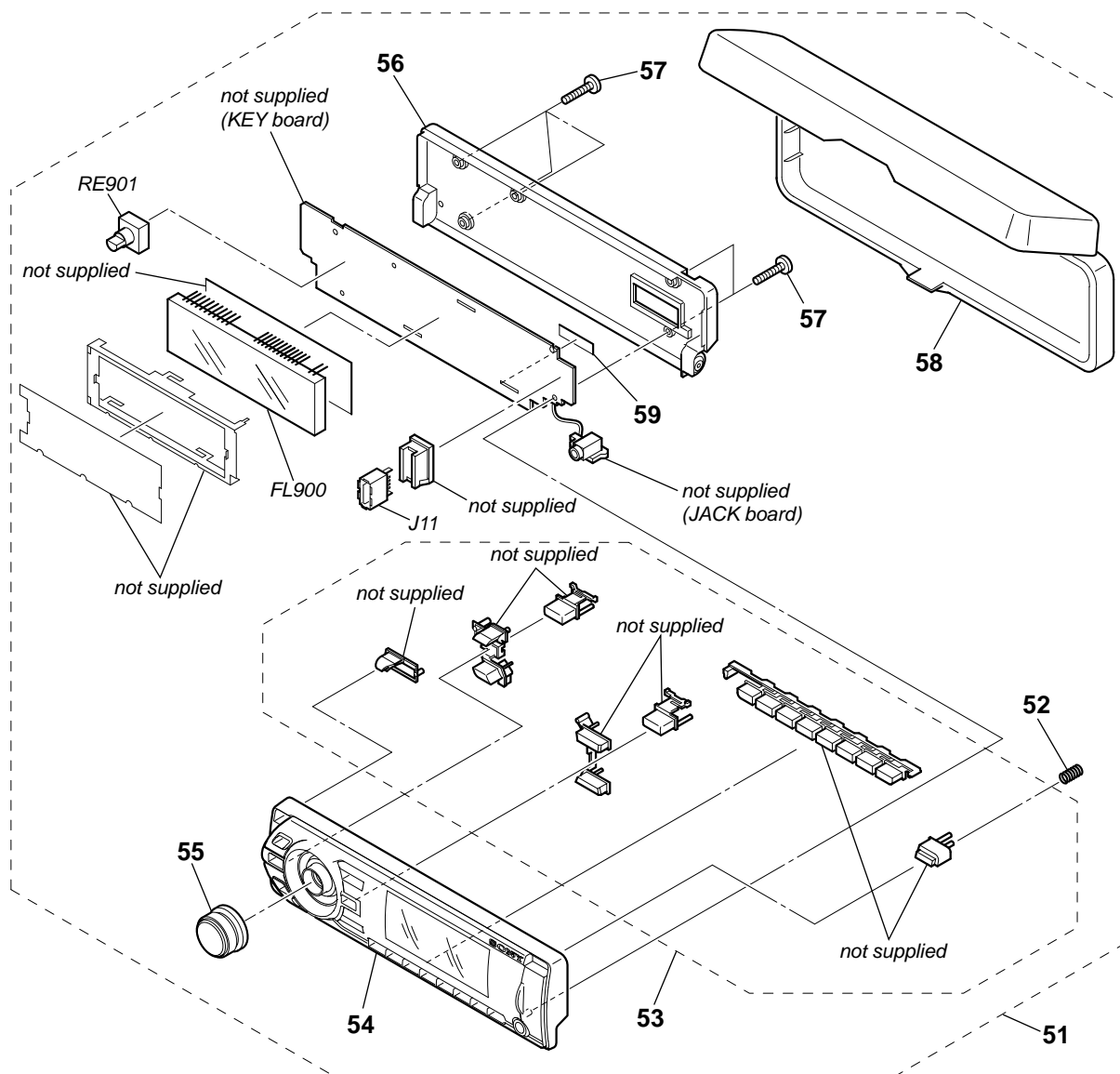
Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-2176-199-1	LOCK ASSY		11	2-021-848-01	SHEET (TU), GROUND	
2	3-246-441-01	BUTTON (EJECT)		12	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER) (GT620U:AEP,UK,RU/GT627UE)	
3	1-834-627-11	CABLE, FLEXIBLE FLAT (23 CORE)		12	1-833-972-11	CORD (WITH CONNECTOR) (POWER) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
4	3-260-247-01	CUSHION (SUB PANEL)		F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
5	3-042-244-01	SCREW (T)		TU1	A-3220-960-B	TUNER UNIT (TUX-032) (GT670U/GT670US)	
6	X-2186-943-1	PANEL ASSY, SUB		TU1	A-3220-961-B	TUNER UNIT (TUX-032) (GT620U/GT627UE)	
7	X-3384-203-2	GEAR ASSY		#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
8	3-713-786-51	SCREW +P 2X3		#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
9	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT		#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	
10	A-1363-517-A	MAIN BOARD, COMPLETE (GT620U:AEP,UK,RU)		#4	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
10	A-1369-801-A	MAIN BOARD, COMPLETE (GT627UE)					
10	A-1369-812-A	MAIN BOARD, COMPLETE (GT670U:E/GT670US)					
10	A-1369-825-A	MAIN BOARD, COMPLETE (GT670U:EA)					
10	A-1374-159-A	MAIN BOARD, COMPLETE (GT620U:US,CND)					

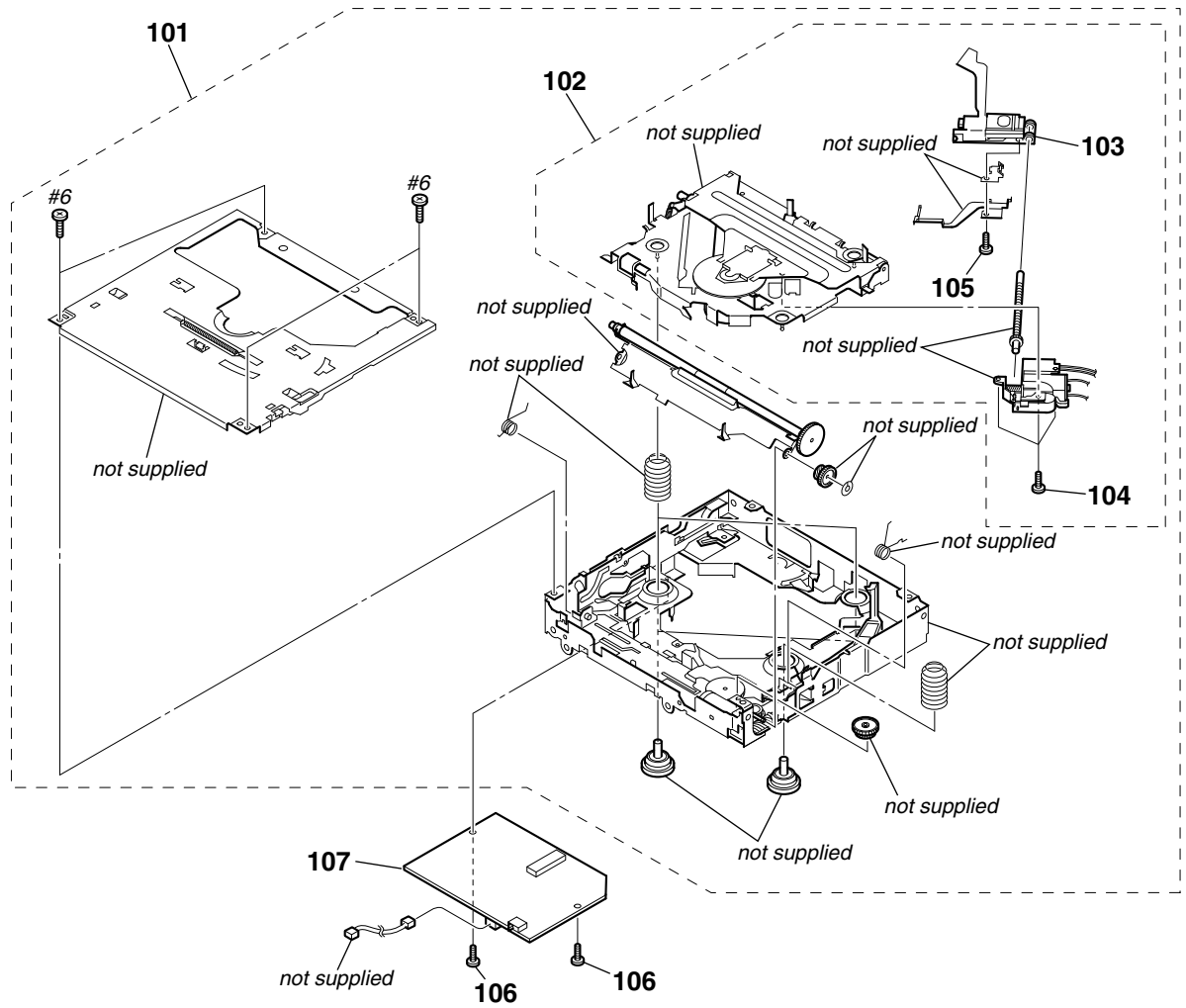
6-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
#5	7-685-794-09	SCREW +PTT 2.6X10 (S)	
51	A-1363-519-A	PANEL OVERALL ASSY, FRONT (GT620U:AEP,UK,RU)	
51	A-1369-803-A	PANEL OVERALL ASSY, FRONT (GT627UE)	
51	A-1369-814-A	PANEL OVERALL ASSY, FRONT (GT670US)	
51	A-1369-821-A	PANEL OVERALL ASSY, FRONT (GT670U)	
51	A-1374-161-A	PANEL OVERALL ASSY, FRONT (GT620U:US,CND)	
52	3-264-712-01	SPRING (OPEN)	
53	X-2186-945-1	BUTTON ASSY (S) (GT620U:AEP,UK,RU)	
53	X-2187-272-1	BUTTON ASSY (S) (GT627UE)	
53	X-2187-274-1	BUTTON ASSY (S) (GT670US)	
53	X-2187-276-1	BUTTON ASSY (S) (GT620U:US,CND/GT670U)	
54	X-2186-944-1	PANEL (SV) ASSY, FRONT (GT620U:AEP,UK,RU)	
54	X-2187-271-1	PANEL (SV) ASSY, FRONT (GT627UE)	

Ref. No.	Part No.	Description	Remark
54	X-2187-273-1	PANEL (SV) ASSY, FRONT (GT670US)	
54	X-2187-275-1	PANEL (SV) ASSY, FRONT (GT670U)	
54	X-2187-277-1	PANEL (SV) ASSY, FRONT (GT620U:US,CND)	
55	X-2189-643-1	KNOB ASSY (S)	
56	X-2187-820-1	PANEL (SV) ASSY, BACK	
57	3-250-543-21	SCREW (+B P-TITE M2)	
58	X-2187-544-1	CASE ASSY (for FRONT PANEL) (EXCEPT GT620U:US,CND)	
59	3-229-100-01	SHEET (SW), ADHESIVE	
FL900	1-519-981-11	INDICATOR TUBE, FLUORESCENT	
J11	1-820-858-21	CONNECTOR, USB (SOCKET) (USB)	
RE901	1-479-902-32	ENCODER, ROTARY (PUSH ENTER/SELECT,VOLUME)	

6-3. CD MECHANISM SECTION
(MG-1011-188//Q)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-1313-179-A	MECHANICAL BLOCK (U) ASSY (08)		105	3-348-998-31	SCREW (M1.4X2.5), TAPPING, PAN	
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-1362-921-A	SERVO BOARD, COMPLETE	
104	2-626-869-01	SCREW (M2X3), SERRATION		#6	7-627-000-08	SCREW, PRECISION +P 1.7X2.2 TYPE 3	

CDX-GT620U/GT627UE/GT670U/GT670US

SECTION 7

ELECTRICAL PARTS LIST

JACK

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.
- CAPACITORS
uF: μF
- COILS
uH: μH

- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ, for example:
uA. . . : μA. . . , uPA. . . , μPA. . . ,
uPB. . . : μPB. . . , uPC. . . , μPC. . . ,
uPD. . . : μPD. . .
- Abbreviation
CND : Canadian model
EA : Saudi Arabia model
RU : Russian model

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

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.

Ref. No.	Part No.	Description	Remark
		JACK BOARD *****	
		< FERRITE BEAD >	
FB880	1-414-760-21	INDUCTOR, FERRITE BEAD	
FB881	1-414-760-21	INDUCTOR, FERRITE BEAD	
FB882	1-414-760-21	INDUCTOR, FERRITE BEAD	
		< JACK >	
J901	1-821-687-11	JACK, 3.5 SMALL TYPE (AUX)	

		KEY BOARD *****	
		< CAPACITOR >	
C905	1-164-227-11	CERAMIC CHIP 0.022uF	10% 25V
C921	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C922	1-127-760-11	CERAMIC CHIP 4.7uF	10% 6.3V
C932	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V
C971	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C991	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C992	1-100-717-11	CERAMIC CHIP 1uF	16V
		< CONNECTOR >	
CN1	1-821-655-11	PLUG, CONNECTOR 24P	
		< DIODE >	
D901	6-501-743-01	DIODE MAZ8068GMLS0	
D903	6-501-743-01	DIODE MAZ8068GMLS0	
D931	6-501-817-01	DIODE MA2J1110GLS0	
D971	6-501-743-01	DIODE MAZ8068GMLS0	
D974	6-501-743-01	DIODE MAZ8068GMLS0	
D980	6-501-730-01	DIODE MAZ8051GMLS0	
D981	6-501-782-01	DIODE MAZ8180GMLS0	
D982	6-501-089-01	DIODE RF101L2STE25	
D983	6-501-730-01	DIODE MAZ8051GMLS0	
D984	6-501-782-01	DIODE MAZ8180GMLS0	
D985	6-501-743-01	DIODE MAZ8068GMLS0	
D986	6-501-743-01	DIODE MAZ8068GMLS0	
D987	6-501-743-01	DIODE MAZ8068GMLS0	
D990	6-501-743-01	DIODE MAZ8068GMLS0	
D991	6-501-743-01	DIODE MAZ8068GMLS0	
D992	6-501-743-01	DIODE MAZ8068GMLS0	
D993	6-501-743-01	DIODE MAZ8068GMLS0	

Ref. No.	Part No.	Description	Remark
D994	6-501-743-01	DIODE MAZ8068GMLS0	
D995	6-501-743-01	DIODE MAZ8068GMLS0	
D996	6-501-743-01	DIODE MAZ8068GMLS0	
D997	8-719-058-24	DIODE RB501V-40TE-17	
D998	6-501-817-01	DIODE MA2J1110GLS0	
		< JUMPER RESISTOR >	
FB971	1-216-864-11	SHORT CHIP	0
FB991	1-216-864-11	SHORT CHIP	0
		< FLUORESCENT INDICATOR TUBE >	
FL900	1-519-981-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC971	6-600-629-01	IC RS-470 (IR)	
* IC980	6-703-107-01	IC SN74LVC2G66DCUR	
		< CONNECTOR >	
J11	1-820-858-21	CONNECTOR, USB (SOCKET) (USB)	
		< DIODE >	
LED901	6-501-547-01	LED CL-197HB1E-D-T (OFF)	(GT620U:AEP,UK,RU)
LED901	8-719-053-09	LED SML-310VTT86 (OFF) (GT627UE)	
LED902	6-501-547-01	LED CL-197HB1E-D-T (SOURCE)	(GT620U:AEP,UK,RU)
LED902	8-719-053-09	LED SML-310VTT86 (SOURCE) (GT627UE)	
LED903	6-501-547-01	LED CL-197HB1E-D-T (SEEK+)	(GT620U:AEP,UK,RU)
LED903	8-719-053-09	LED SML-310VTT86 (SEEK+)	(GT627UE)
LED904	6-501-547-01	LED CL-197HB1E-D-T (MODE)	(GT620U:AEP,UK,RU)
LED904	8-719-053-09	LED SML-310VTT86 (MODE) (GT627UE)	
LED905	6-501-547-01	LED CL-197HB1E-D-T (BACK)	(GT620U:AEP,UK,RU)
LED905	8-719-053-09	LED SML-310VTT86 (BACK) (GT627UE)	
LED906	6-501-547-01	LED CL-197HB1E-D-T (SEEK-)	(GT620U:AEP,UK,RU)
LED906	8-719-053-09	LED SML-310VTT86 (SEEK-)	(GT627UE)
LED907	6-501-547-01	LED CL-197HB1E-D-T (BROWSE)	(GT620U:AEP,UK,RU)
LED907	8-719-053-09	LED SML-310VTT86 (BROWSE) (GT627UE)	
LED908	6-501-547-01	LED CL-197HB1E-D-T (DSPL/SCRL)	(GT620U:AEP,UK,RU)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
LED908	8-719-053-09	LED SML-310VTT86 (DSPL/SCRL) (GT627UE)		LED955	8-719-078-21	LED SML-310PTT86 (BACK) (GT620U:AEP,UK,RU/GT627UE)	
LED909	6-501-547-01	LED CL-197HB1E-D-T (6/PAUSE) (GT620U:AEP,UK,RU)		LED956	6-501-547-01	LED CL-197HB1E-D-T (◀◀◀◀◀◀ SEEK-) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED909	8-719-053-09	LED SML-310VTT86 (6/PAUSE) (GT627UE)		LED956	8-719-078-21	LED SML-310PTT86 (◀◀◀◀◀◀ SEEK-) (GT620U:AEP,UK,RU/GT627UE)	
LED910	6-501-547-01	LED CL-197HB1E-D-T (5/DM+) (GT620U:AEP,UK,RU)		LED957	6-501-547-01	LED CL-197HB1E-D-T (BROWSE) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED910	8-719-053-09	LED SML-310VTT86 (5/DM+) (GT627UE)		LED957	8-719-078-21	LED SML-310PTT86 (BROWSE) (GT620U:AEP,UK,RU/GT627UE)	
LED911	6-501-547-01	LED CL-197HB1E-D-T (4/SHUF) (GT620U:AEP,UK,RU)		LED958	6-501-547-01	LED CL-197HB1E-D-T (DSPL/SCRL) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED911	8-719-053-09	LED SML-310VTT86 (4/SHUF) (GT627UE)		LED958	8-719-078-21	LED SML-310PTT86 (DSPL/SCRL) (GT620U:AEP,UK,RU/GT627UE)	
LED912	6-501-547-01	LED CL-197HB1E-D-T (3/REP) (GT620U:AEP,UK,RU)		LED959	6-501-547-01	LED CL-197HB1E-D-T (6/PAUSE) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED912	8-719-053-09	LED SML-310VTT86 (3/REP) (GT627UE)		LED959	8-719-078-21	LED SML-310PTT86 (6/PAUSE) (GT620U:AEP,UK,RU/GT627UE)	
LED913	6-501-547-01	LED CL-197HB1E-D-T (2/GP/ALBM +) (GT620U:AEP,UK,RU)		LED960	6-501-547-01	LED CL-197HB1E-D-T (5/DM+) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED913	8-719-053-09	LED SML-310VTT86 (2/GP/ALBM +) (GT627UE)		LED960	8-719-078-21	LED SML-310PTT86 (5/DM+) (GT620U:AEP,UK,RU/GT627UE)	
LED914	6-501-547-01	LED CL-197HB1E-D-T (1/GP/ALBM -) (GT620U:AEP,UK,RU)		LED961	6-501-547-01	LED CL-197HB1E-D-T (4/SHUF) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED914	8-719-053-09	LED SML-310VTT86 (1/GP/ALBM -) (GT627UE)		LED961	8-719-078-21	LED SML-310PTT86 (4/SHUF) (GT620U:AEP,UK,RU/GT627UE)	
LED915	6-501-547-01	LED CL-197HB1E-D-T (AF/TA/PTY) (GT620U:AEP,UK,RU)		LED962	6-501-547-01	LED CL-197HB1E-D-T (3/REP) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED915	8-719-053-09	LED SML-310VTT86 (AF/TA/PTY) (GT627UE)		LED962	8-719-078-21	LED SML-310PTT86 (3/REP) (GT620U:AEP,UK,RU/GT627UE)	
LED941	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (GT620U:AEP,UK,RU)		LED963	6-501-547-01	LED CL-197HB1E-D-T (2/GP/ALBM +) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED941	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (GT627UE)		LED963	8-719-078-21	LED SML-310PTT86 (2/GP/ALBM +) (GT620U:AEP,UK,RU/GT627UE)	
LED942	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (GT620U:AEP,UK,RU)		LED964	6-501-547-01	LED CL-197HB1E-D-T (1/GP/ALBM -) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED942	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (GT627UE)		LED964	8-719-078-21	LED SML-310PTT86 (1/GP/ALBM -) (GT620U:AEP,UK,RU/GT627UE)	
LED943	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (GT620U:AEP,UK,RU)		LED965	6-501-547-01	LED CL-197HB1E-D-T (BTM) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED943	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (GT627UE)		LED965	8-719-078-21	LED SML-310PTT86 (BTM) (GT620U:AEP,UK,RU/GT627UE)	
LED944	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (GT620U:AEP,UK,RU)		LED991	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED944	8-719-053-09	LED SML-310VTT86 (RING ILLUMINATION) (GT627UE)		LED991	8-719-078-21	LED SML-310PTT86 (RING ILLUMINATION) (GT620U:AEP,UK,RU/GT627UE)	
LED945	8-719-078-21	LED SML-310PTT86 (RING ILLUMINATION) (GT620U:AEP,UK,RU/GT627UE)		LED992	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED946	8-719-078-21	LED SML-310PTT86 (RING ILLUMINATION) (GT620U:AEP,UK,RU/GT627UE)		LED993	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED947	8-719-078-21	LED SML-310PTT86 (RING ILLUMINATION) (GT620U:AEP,UK,RU/GT627UE)		LED994	6-501-547-01	LED CL-197HB1E-D-T (RING ILLUMINATION) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
LED948	8-719-078-21	LED SML-310PTT86 (RING ILLUMINATION) (GT620U:AEP,UK,RU/GT627UE)					
LED951	6-501-547-01	LED CL-197HB1E-D-T (OFF) (EXCEPT GT620U:AEP,UK,RU/GT627UE)					
LED951	8-719-078-21	LED SML-310PTT86 (OFF) (GT620U:AEP,UK,RU/GT627UE)					
LED952	6-501-547-01	LED CL-197HB1E-D-T (SOURCE) (EXCEPT GT620U:AEP,UK,RU/GT627UE)					
LED952	8-719-078-21	LED SML-310PTT86 (SOURCE) (GT620U:AEP,UK,RU/GT627UE)					< COIL >
LED953	6-501-547-01	LED CL-197HB1E-D-T (▶▶▶▶▶ SEEK+) (EXCEPT GT620U:AEP,UK,RU/GT627UE)		LF990	1-457-223-11	CHOKE COIL, COMMON MODE	
LED953	8-719-078-21	LED SML-310PTT86 (▶▶▶▶▶ SEEK+) (GT620U:AEP,UK,RU/GT627UE)					< TRANSISTOR >
LED954	6-501-547-01	LED CL-197HB1E-D-T (MODE) (EXCEPT GT620U:AEP,UK,RU/GT627UE)		Q503	8-729-027-23	TRANSISTOR DTA114EKA-T146	
LED954	8-719-078-21	LED SML-310PTT86 (MODE) (GT620U:AEP,UK,RU/GT627UE)		Q941	6-551-856-01	TRANSISTOR LTC614TKFP8T146 (GT620U:AEP,UK,RU/GT627UE)	
LED955	6-501-547-01	LED CL-197HB1E-D-T (BACK) (EXCEPT GT620U:AEP,UK,RU/GT627UE)		Q942	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
				Q943	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
				Q991	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	

CDX-GT620U/GT627UE/GT670U/GT670US

Ver. 1.1

KEY

Ref. No.	Part No.	Description	Remark
Q992	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
Q993	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
		< RESISTOR >	
R901	1-216-047-11	RES-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	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R908	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R909	1-216-821-11	METAL CHIP 1K 5%	1/10W
R910	1-216-821-11	METAL CHIP 1K 5%	1/10W
R911	1-216-822-11	METAL CHIP 1.2K 5%	1/10W
R912	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
R913	1-216-824-11	METAL CHIP 1.8K 5%	1/10W
R914	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R915	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R917	1-216-833-11	METAL CHIP 10K 5%	1/10W (GT627UE)
R918	1-216-833-11	METAL CHIP 10K 5%	1/10W (GT620U:AEP,UK,RU)
R919	1-216-833-11	METAL CHIP 10K 5%	1/10W (GT620U:AEP,UK,RU)
R920	1-216-833-11	METAL CHIP 10K 5%	1/10W (GT620U:US,CND/GT627UE/GT670U/GT670US)
R921	1-216-029-00	RES-CHIP 150 5%	1/10W (GT627UE)
R921	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R922	1-216-029-00	RES-CHIP 150 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R922	1-216-041-00	RES-CHIP 470 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R923	1-216-033-00	RES-CHIP 220 5%	1/10W (GT627UE)
R923	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R924	1-216-031-00	RES-CHIP 180 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R924	1-216-041-00	RES-CHIP 470 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R925	1-216-027-00	RES-CHIP 120 5%	1/10W (GT627UE)
R925	1-216-031-00	RES-CHIP 180 5%	1/10W (GT620U:AEP,UK,RU)
R926	1-216-025-11	RES-CHIP 100 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R926	1-216-031-00	RES-CHIP 180 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R927	1-216-029-00	RES-CHIP 150 5%	1/10W (GT627UE)
R927	1-216-031-00	RES-CHIP 180 5%	1/10W (GT620U:AEP,UK,RU)
R928	1-216-027-00	RES-CHIP 120 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R928	1-216-031-00	RES-CHIP 180 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R929	1-216-027-00	RES-CHIP 120 5%	1/10W (GT627UE)
R929	1-216-031-00	RES-CHIP 180 5%	1/10W (GT620U:AEP,UK,RU)

Ref. No.	Part No.	Description	Remark
R930	1-216-025-11	RES-CHIP 100 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R930	1-216-031-00	RES-CHIP 180 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R931	1-216-029-00	RES-CHIP 150 5%	1/10W (GT627UE)
R931	1-216-031-00	RES-CHIP 180 5%	1/10W (GT620U:AEP,UK,RU)
R932	1-216-027-00	RES-CHIP 120 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R932	1-216-031-00	RES-CHIP 180 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R933	1-216-027-00	RES-CHIP 120 5%	1/10W (GT627UE)
R933	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R934	1-216-029-00	RES-CHIP 150 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R934	1-216-041-00	RES-CHIP 470 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R935	1-216-029-00	RES-CHIP 150 5%	1/10W (GT627UE)
R935	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R936	1-216-029-00	RES-CHIP 150 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R936	1-216-041-00	RES-CHIP 470 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R937	1-216-033-00	RES-CHIP 220 5%	1/10W (GT627UE)
R937	1-216-043-11	RES-CHIP 560 5%	1/10W (GT620U:AEP,UK,RU)
R938	1-216-029-00	RES-CHIP 150 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R938	1-216-043-11	RES-CHIP 560 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R939	1-216-029-00	RES-CHIP 150 5%	1/10W (GT627UE)
R939	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R940	1-216-029-00	RES-CHIP 150 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R940	1-216-041-00	RES-CHIP 470 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R941	1-216-033-00	RES-CHIP 220 5%	1/10W (GT627UE)
R941	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R942	1-216-031-00	RES-CHIP 180 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R942	1-216-041-00	RES-CHIP 470 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R943	1-216-029-00	RES-CHIP 150 5%	1/10W (GT627UE)
R943	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R944	1-216-029-00	RES-CHIP 150 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)
R944	1-216-041-00	RES-CHIP 470 5%	1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)
R945	1-216-033-00	RES-CHIP 220 5%	1/10W (GT627UE)
R945	1-216-041-00	RES-CHIP 470 5%	1/10W (GT620U:AEP,UK,RU)
R946	1-216-031-00	RES-CHIP 180 5%	1/10W (GT620U:AEP,UK,RU/GT627UE)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R946	1-216-041-00	RES-CHIP 470 5% 1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)		R982	1-216-864-11	SHORT CHIP 0	
R947	1-216-029-00	RES-CHIP 150 5% 1/10W (GT627UE)		R983	1-216-864-11	SHORT CHIP 0	
R947	1-216-041-00	RES-CHIP 470 5% 1/10W (GT620U:AEP,UK,RU)		R984	1-216-809-11	METAL CHIP 100 5% 1/10W	
R948	1-216-025-11	RES-CHIP 100 5% 1/10W (GT620U:AEP,UK,RU/GT627UE)		R985	1-216-809-11	METAL CHIP 100 5% 1/10W	
R948	1-216-041-00	RES-CHIP 470 5% 1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)		R986	1-216-809-11	METAL CHIP 100 5% 1/10W	
R949	1-216-033-00	RES-CHIP 220 5% 1/10W (GT627UE)		R987	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R949	1-216-041-00	RES-CHIP 470 5% 1/10W (GT620U:AEP,UK,RU)		R988	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R950	1-216-027-00	RES-CHIP 120 5% 1/10W (GT620U:AEP,UK,RU/GT627UE)		R989	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R950	1-216-041-00	RES-CHIP 470 5% 1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)		R990	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R951	1-216-029-00	RES-CHIP 150 5% 1/10W (GT627UE)		R991	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R951	1-216-041-00	RES-CHIP 470 5% 1/10W (GT620U:AEP,UK,RU)		R992	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R952	1-216-029-00	RES-CHIP 150 5% 1/10W (GT620U:AEP,UK,RU/GT627UE)		R993	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R952	1-216-041-00	RES-CHIP 470 5% 1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)		R994	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R953	1-216-033-00	RES-CHIP 220 5% 1/10W (GT627UE)		R995	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R953	1-216-041-00	RES-CHIP 470 5% 1/10W (GT620U:AEP,UK,RU)		R996	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R954	1-216-031-00	RES-CHIP 180 5% 1/10W (GT620U:AEP,UK,RU/GT627UE)		R998	1-216-047-11	RES-CHIP 820 5% 1/10W	
R954	1-216-041-00	RES-CHIP 470 5% 1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)		R999	1-216-864-11	SHORT CHIP 0	
R955	1-216-029-00	RES-CHIP 150 5% 1/10W (GT627UE)				< ROTARY ENCODER >	
R955	1-216-041-00	RES-CHIP 470 5% 1/10W (GT620U:AEP,UK,RU)		RE901	1-479-902-32	ENCODER, ROTARY (PUSH ENTER/SELECT,VOLUME)	
R956	1-216-029-00	RES-CHIP 150 5% 1/10W (GT620U:AEP,UK,RU/GT627UE)				< SWITCH >	
R956	1-216-041-00	RES-CHIP 470 5% 1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)		S901	1-786-653-21	SWITCH, TACTILE (OFF)	
R957	1-216-033-00	RES-CHIP 220 5% 1/10W (GT627UE)		S902	1-786-653-21	SWITCH, TACTILE (SOURCE)	
R957	1-216-041-00	RES-CHIP 470 5% 1/10W (GT620U:AEP,UK,RU)		S903	1-786-653-21	SWITCH, TACTILE (▶▶▶▶ SEEK+)	
R958	1-216-031-00	RES-CHIP 180 5% 1/10W (GT620U:AEP,UK,RU/GT627UE)		S904	1-786-653-21	SWITCH, TACTILE (MODE)	
R958	1-216-041-00	RES-CHIP 470 5% 1/10W (EXCEPT GT620U:AEP,UK,RU/GT627UE)		S905	1-786-653-21	SWITCH, TACTILE (BACK)	
R959	1-216-845-11	METAL CHIP 100K 5% 1/10W		S906	1-786-653-21	SWITCH, TACTILE (◀◀◀◀ SEEK-)	
R962	1-216-833-11	METAL CHIP 10K 5% 1/10W		S907	1-786-653-21	SWITCH, TACTILE (BROWSE)	
R963	1-216-833-11	METAL CHIP 10K 5% 1/10W		S908	1-786-653-21	SWITCH, TACTILE (DSPL/SCRL)	
R964	1-216-833-11	METAL CHIP 10K 5% 1/10W (GT620U:AEP,UK,RU/GT627UE)		S909	1-786-653-21	SWITCH, TACTILE (6/PAUSE)	
R965	1-216-001-00	RES-CHIP 10 5% 1/10W		S910	1-786-653-21	SWITCH, TACTILE (5/DM+)	
R966	1-216-001-00	RES-CHIP 10 5% 1/10W		S911	1-786-653-21	SWITCH, TACTILE (4/SHUF)	
R968	1-216-833-11	METAL CHIP 10K 5% 1/10W		S912	1-786-653-21	SWITCH, TACTILE (3/REP)	
R969	1-216-833-11	METAL CHIP 10K 5% 1/10W		S913	1-786-653-21	SWITCH, TACTILE (2/GP/ALBM +)	
R971	1-216-833-11	METAL CHIP 10K 5% 1/10W		S914	1-786-653-21	SWITCH, TACTILE (1/GP/ALBM -)	
R972	1-216-809-11	METAL CHIP 100 5% 1/10W		S915	1-786-653-21	SWITCH, TACTILE (BTM) (GT620U:CND/GT670U/GT670US)	
R973	1-216-821-11	METAL CHIP 1K 5% 1/10W		S915	1-786-653-21	SWITCH, TACTILE (AF/TA/PTY) (GT620U:AEP,UK,RU/GT627UE)	
R975	1-216-829-11	METAL CHIP 4.7K 5% 1/10W		S918	1-798-032-11	SWITCH, DETECTION (DOOR)	
R976	1-216-829-11	METAL CHIP 4.7K 5% 1/10W				*****	
R981	1-216-864-11	SHORT CHIP 0		A-1363-517-A	MAIN BOARD, COMPLETE (GT620U:AEP,UK,RU)		
				A-1369-801-A	MAIN BOARD, COMPLETE (GT627UE)		
				A-1369-812-A	MAIN BOARD, COMPLETE (GT670U:E/GT670US)		
				A-1369-825-A	MAIN BOARD, COMPLETE (GT670U:EA)		
				A-1374-159-A	MAIN BOARD, COMPLETE (GT620U:US,CND)		

				7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT		
				7-685-794-09	SCREW +PTT 2.6X10 (S)		
					< CAPACITOR >		
				C1	1-126-963-11	ELECT 4.7uF 20% 50V (GT620U:AEP,UK,RU/GT627UE)	
				C2	1-126-947-11	ELECT 47uF 20% 35V	
				C3	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
				C5	1-126-947-11	ELECT 47uF 20% 35V	
				C6	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
				C7	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	

CDX-GT620U/GT627UE/GT670U/GT670US

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C8	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C418	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C15	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C419	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		(EXCEPT GT620U:AEP,UK,RU/GT627UE)				C421	1-126-964-11	ELECT	10uF	20%	50V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C422	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		(GT620U:AEP,UK,RU/GT627UE)				C423	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C51	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V						
		(GT620U:AEP,UK,RU/GT627UE)				C426	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C431	1-126-964-11	ELECT	10uF	20%	50V
		(GT620U:AEP,UK,RU/GT627UE)				C432	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C53	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C441	1-126-964-11	ELECT	10uF	20%	50V
		(GT620U:AEP,UK,RU/GT627UE)				C442	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C54	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C443	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		(GT620U:AEP,UK,RU/GT627UE)				C445	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C451	1-126-964-11	ELECT	10uF	20%	50V
		(GT620U:AEP,UK,RU/GT627UE)				C452	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C56	1-164-237-11	CERAMIC CHIP	16PF	5%	50V	C453	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		(GT620U:AEP,UK,RU/GT627UE)									
C57	1-164-237-11	CERAMIC CHIP	16PF	5%	50V	C455	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		(GT620U:AEP,UK,RU/GT627UE)				C461	1-126-964-11	ELECT	10uF	20%	50V
C58	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	C462	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		(GT620U:AEP,UK,RU/GT627UE)				C463	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C60	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C471	1-126-964-11	ELECT	10uF	20%	50V
		(GT620U:AEP,UK,RU/GT627UE)									
C61	1-126-947-11	ELECT	47uF	20%	35V	C472	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		(GT620U:AEP,UK,RU/GT627UE)				C473	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C151	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C484	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C152	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C485	1-126-933-11	ELECT	100uF	20%	16V
						C486	1-126-964-11	ELECT	10uF	20%	50V
C153	1-126-961-11	ELECT	2.2uF	20%	50V	C491	1-124-589-11	ELECT	47uF	20%	16V
C154	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V	C493	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C155	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V	C494	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C157	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	C495	1-136-154-00	FILM	0.012uF	5%	50V
C301	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V	C496	1-136-154-00	FILM	0.012uF	5%	50V
C303	1-128-551-11	ELECT	22uF	20%	63V	C497	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C304	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V	C498	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C305	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C501	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C306	1-124-233-11	ELECT	10uF	20%	16V	C502	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C307	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C503	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C308	1-124-233-11	ELECT	10uF	20%	16V	C504	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C309	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V	C505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C312	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V	C508	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C313	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C509	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C314	1-124-233-11	ELECT	10uF	20%	16V	C510	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C315	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C511	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C316	1-124-233-11	ELECT	10uF	20%	16V	C512	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C317	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C318	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C514	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C319	1-216-864-11	SHORT CHIP	0								
C320	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C515	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C325	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V						
C330	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V						
C361	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V						
C362	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V						
C363	1-126-961-11	ELECT	2.2uF	20%	50V						
C364	1-126-961-11	ELECT	2.2uF	20%	50V						
C401	1-124-234-00	ELECT	22uF	20%	16V						
C402	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C600	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C403	1-124-584-00	ELECT	100uF	20%	10V	C624	1-126-926-11	ELECT	1000uF	20%	10V
						C683	1-128-057-11	ELECT	330uF	20%	6.3V
C406	1-124-257-00	ELECT	2.2uF	20%	50V	C701	1-112-302-11	ELECT	3300uF	20%	16V
C407	1-124-257-00	ELECT	2.2uF	20%	50V	C702	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C409	1-124-233-11	ELECT	10uF	20%	16V						
C412	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C703	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C704	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
						C705	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
						C706	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
						C707	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
						C708	1-126-963-11	ELECT	4.7uF	20%	50V
						C709	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
						C710	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
						C802	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C803	1-124-589-11	ELECT 47uF	20% 16V	D310	6-501-362-01	DIODE 1A4-TA26	
C804	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	D311	6-501-362-01	DIODE 1A4-TA26	
C805	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	D312	6-501-362-01	DIODE 1A4-TA26	
C806	1-126-947-11	ELECT 47uF	20% 35V	D353	6-501-656-01	DIODE LBA754ALT1G	
C807	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	D491	6-501-193-01	DIODE 1SS355WTE-17	
C808	1-100-352-11	CERAMIC CHIP 1uF	20% 16V	D503	6-500-334-01	DIODE MC2836-T112-1	
C809	1-165-727-31	ELECT 120uF	20% 16V	D504	6-501-193-01	DIODE 1SS355WTE-17	
C810	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	D602	6-501-782-01	DIODE MAZ8180GMLS0	
C811	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	D603	6-501-747-01	DIODE MAZ8075GMLS0	
C812	1-100-352-11	CERAMIC CHIP 1uF	20% 16V	D607	6-501-571-01	DIODE 1N5404-C311-3	
C813	1-162-917-11	CERAMIC CHIP 15PF	5% 50V	D702	6-501-782-01	DIODE MAZ8180GMLS0	
C814	1-162-965-11	CERAMIC CHIP 0.0015uF	10% 50V	D704	6-501-782-01	DIODE MAZ8180GMLS0	
C816	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	D705	6-501-782-01	DIODE MAZ8180GMLS0	
C817	1-126-924-11	ELECT 330uF	20% 10V	D706	6-501-782-01	DIODE MAZ8180GMLS0	
C818	1-126-933-11	ELECT 100uF	20% 16V	D707	6-501-782-01	DIODE MAZ8180GMLS0	
C819	1-104-665-11	ELECT 100uF	20% 25V	D708	6-501-193-01	DIODE 1SS355WTE-17	
C821	1-162-969-11	CERAMIC CHIP 0.0068uF	10% 25V	D802	6-501-657-01	DIODE MA24D5000BS0	
C822	1-104-665-11	ELECT 100uF	20% 25V	D803	6-501-768-01	DIODE MAZ8120GMLS0	
C823	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	D804	6-501-362-01	DIODE 1A4-TA26	
C825	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	D807	6-501-193-01	DIODE 1SS355WTE-17	
C827	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	D809	6-501-193-01	DIODE 1SS355WTE-17	
C831	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	D810	6-501-734-01	DIODE MAZ8056GMLS0	
C832	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V			< IC >	
C833	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	IC50	6-803-747-01	IC TDA7333013TR	
C834	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V			(GT620U:AEP,UK,RU/GT627UE)	
C953	1-216-864-11	SHORT CHIP 0		IC300	6-705-359-02	IC TDA8588AJ/N2/R1	
C999	1-216-864-11	SHORT CHIP 0				(EXCEPT GT620U:AEP,UK,RU/GT627UE)	
		< CONNECTOR >		IC300	6-705-359-11	IC TDA8588AJ/N2/R1/M5	
						(GT620U:AEP,UK,RU/GT627UE)	
CN300	1-774-701-21	PIN, CONNECTOR 16P		IC401	6-710-065-01	IC BD3442FS-E2	
CN350	1-820-611-11	CONNECTOR, BOARD TO BOARD 28P		IC501	6-807-882-02	IC M3062LFGP-054FP	
CN370	1-770-530-31	CONNECTOR, FFC/FPC 23P					
		< DIODE >		IC602	6-709-458-01	IC XC61CN2802NR	
D2	6-501-734-01	DIODE MAZ8056GMLS0		IC681	6-711-670-01	IC XC6218P332PR	
D105	6-501-743-01	DIODE MAZ8068GMLS0		IC801	6-709-213-01	IC NJM2387ADL3(TE2)	
D106	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	IC802	6-709-213-01	IC NJM2387ADL3(TE2)	
D107	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	IC803	6-710-965-01	IC TPS40200DRG4	
D108	6-501-743-01	DIODE MAZ8068GMLS0		IC804	6-710-624-01	IC TPS2051BDRG4	
D109	6-501-743-01	DIODE MAZ8068GMLS0		IC805	8-759-586-19	IC TC7WH123FU(TE12R)	
D110	6-501-743-01	DIODE MAZ8068GMLS0				< JACK >	
D111	6-501-743-01	DIODE MAZ8068GMLS0		J1	1-815-185-13	JACK (ANTENNA)	
D112	6-501-743-01	DIODE MAZ8068GMLS0		J370	1-566-822-41	JACK (REMOTE IN)	
D113	6-501-743-01	DIODE MAZ8068GMLS0		J652	1-821-688-11	JACK, PHONO (AUDIO OUT SUB/REAR/FRONT)	
D115	6-501-743-01	DIODE MAZ8068GMLS0				< JUMPER RESISTOR >	
D151	1-805-043-11	ABSORBER, CHIP SURGE		JC1	1-216-296-11	SHORT CHIP 0	
D152	1-805-043-11	ABSORBER, CHIP SURGE		JC29	1-216-296-11	SHORT CHIP 0	
D153	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	JC30	1-216-296-11	SHORT CHIP 0	
D156	6-501-170-01	DIODE UDZW-TE17-6.8B		JC31	1-216-296-11	SHORT CHIP 0	
		(EXCEPT GT620U:AEP,UK,RU/GT627UE)		JC50	1-216-864-11	SHORT CHIP 0	
D156	8-719-978-33	DIODE DTZ-TT11-6.8B		JC201	1-216-296-11	SHORT CHIP 0	
		(GT620U:AEP,UK,RU/GT627UE)		JC202	1-216-864-11	SHORT CHIP 0	
D301	6-501-362-01	DIODE 1A4-TA26		JC350	1-216-296-11	SHORT CHIP 0	
D302	6-501-362-01	DIODE 1A4-TA26		JC400	1-216-296-11	SHORT CHIP 0	
D303	6-501-362-01	DIODE 1A4-TA26		JC401	1-216-296-11	SHORT CHIP 0	
D304	6-501-362-01	DIODE 1A4-TA26		JC402	1-216-296-11	SHORT CHIP 0	
D305	6-501-362-01	DIODE 1A4-TA26		JC403	1-216-296-11	SHORT CHIP 0	
D306	6-501-362-01	DIODE 1A4-TA26		JC404	1-216-296-11	SHORT CHIP 0	
D307	6-501-362-01	DIODE 1A4-TA26		JC410	1-216-296-11	SHORT CHIP 0	
D308	6-501-362-01	DIODE 1A4-TA26		JC411	1-216-296-11	SHORT CHIP 0	
D309	6-501-362-01	DIODE 1A4-TA26					

CDX-GT620U/GT627UE/GT670U/GT670US

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JC412	1-216-296-11	SHORT CHIP	0			< TRANSISTOR >	
JC413	1-216-296-11	SHORT CHIP	0				
JC440	1-216-296-11	SHORT CHIP	0	Q1	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC441	1-216-296-11	SHORT CHIP	0			(GT620U:AEP,UK,RU/GT627UE)	
JC442	1-216-296-11	SHORT CHIP	0	Q3	6-551-431-01	TRANSISTOR 2SC6027T100-QR	
JC443	1-216-296-11	SHORT CHIP	0	Q50	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
JC444	1-216-296-11	SHORT CHIP	0			(GT620U:AEP,UK,RU/GT627UE)	
JC445	1-216-864-11	SHORT CHIP	0	Q51	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC446	1-216-864-11	SHORT CHIP	0			(GT620U:AEP,UK,RU/GT627UE)	
JC447	1-216-864-11	SHORT CHIP	0	Q401	8-729-027-44	TRANSISTOR DTC114TKA-T146	
JC448	1-216-864-11	SHORT CHIP	0				
JC500	1-216-296-11	SHORT CHIP	0	Q402	8-729-027-44	TRANSISTOR DTC114TKA-T146	
JC501	1-216-296-11	SHORT CHIP	0	Q411	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC503	1-216-296-11	SHORT CHIP	0	Q412	8-729-027-23	TRANSISTOR DTA114EKA-T146	
JC504	1-216-296-11	SHORT CHIP	0	Q420	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
JC505	1-216-864-11	SHORT CHIP	0	Q432	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
JC506	1-469-876-11	INDUCTOR, FERRITE BEAD		Q440	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
JC507	1-216-864-11	SHORT CHIP	0	Q452	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
JC508	1-216-864-11	SHORT CHIP	0	Q460	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
JC510	1-216-864-11	SHORT CHIP	0	Q470	6-551-856-01	TRANSISTOR LTC614TKFP8T146	
JC511	1-216-864-11	SHORT CHIP	0	Q491	8-729-027-23	TRANSISTOR DTA114EKA-T146	
JC512	1-216-864-11	SHORT CHIP	0	Q492	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC513	1-216-864-11	SHORT CHIP	0	Q601	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC514	1-216-864-11	SHORT CHIP	0	Q602	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
JC515	1-216-864-11	SHORT CHIP	0	Q605	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC520	1-216-296-11	SHORT CHIP	0	Q701	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
JC521	1-216-296-11	SHORT CHIP	0	Q702	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
JC525	1-216-296-11	SHORT CHIP	0	Q703	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
JC700	1-216-296-11	SHORT CHIP	0	Q801	6-551-923-01	TRANSISTOR TPC6108(T5RSONYF,M	
JC705	1-216-296-11	SHORT CHIP	0	Q806	6-550-828-01	TRANSISTOR RSO035P03TR	
JC800	1-216-295-11	SHORT CHIP	0	Q807	6-551-923-01	TRANSISTOR TPC6108(T5RSONYF,M	
JC903	1-216-864-11	SHORT CHIP	0	Q808	8-729-027-43	TRANSISTOR DTC114EKA-T146	
JC904	1-216-864-11	SHORT CHIP	0	Q809	8-729-027-23	TRANSISTOR DTA114EKA-T146	
JC993	1-216-864-11	SHORT CHIP	0	Q810	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >		Q900	8-729-047-76	TRANSISTOR FMC2A-T148	
JW126	1-249-417-11	CARBON	1K			< RESISTOR >	
			5%				
							1/4W
		< COIL >		R1	1-216-809-11	METAL CHIP	100 5% 1/10W
L2	1-500-329-21	INDUCTOR, FERRITE BEAD					(GT620U:AEP,UK,RU/GT627UE)
L3	1-500-329-21	INDUCTOR, FERRITE BEAD		R2	1-216-839-11	METAL CHIP	33K 5% 1/10W
				R3	1-216-843-11	METAL CHIP	68K 5% 1/10W
L4	1-469-876-11	INDUCTOR, FERRITE BEAD		R4	1-216-839-11	METAL CHIP	33K 5% 1/10W
L50	1-216-864-11	SHORT CHIP	0	R5	1-216-843-11	METAL CHIP	68K 5% 1/10W
L151	1-500-245-11	INDUCTOR, FERRITE BEAD		R8	1-216-839-11	METAL CHIP	33K 5% 1/10W
							(GT620U:AEP,UK,RU/GT627UE)
L300	1-456-617-11	COIL, CHOKE		R9	1-216-843-11	METAL CHIP	68K 5% 1/10W
L370	1-414-595-11	INDUCTOR, FERRITE BEAD		R10	1-216-821-11	METAL CHIP	1K 5% 1/10W
L401	1-216-864-11	SHORT CHIP	0	R12	1-216-864-11	SHORT CHIP	0
L405	1-469-876-11	INDUCTOR, FERRITE BEAD		R13	1-216-864-11	SHORT CHIP	0
L406	1-500-245-11	INDUCTOR, FERRITE BEAD					
L407	1-414-760-21	INDUCTOR, FERRITE BEAD		R15	1-216-864-11	SHORT CHIP	0
L409	1-216-295-11	SHORT CHIP	0				(GT620U:AEP,UK,RU/GT627UE)
L410	1-414-760-21	INDUCTOR, FERRITE BEAD		R52	1-216-845-11	METAL CHIP	100K 5% 1/10W
L801	1-411-499-11	COIL, CHOKE	47uH				(GT620U:AEP,UK,RU/GT627UE)
L802	1-419-624-11	COIL, CHOKE	68uH	R53	1-216-797-11	METAL CHIP	10 5% 1/10W
							(GT620U:AEP,UK,RU/GT627UE)
L803	1-412-525-31	INDUCTOR	10uH	R54	1-500-329-21	INDUCTOR, FERRITE BEAD	
L805	1-216-295-11	SHORT CHIP	0				(GT620U:AEP,UK,RU/GT627UE)
L901	1-216-295-11	SHORT CHIP	0	R55	1-216-797-11	METAL CHIP	10 5% 1/10W
L902	1-469-844-11	INDUCTOR	2.2uH				(GT620U:AEP,UK,RU/GT627UE)
				R57	1-216-833-11	METAL CHIP	10K 5% 1/10W
							(GT620U:AEP,UK,RU/GT627UE)
				R58	1-216-821-11	METAL CHIP	1K 5% 1/10W
							(GT620U:AEP,UK,RU/GT627UE)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R60	1-216-864-11	SHORT CHIP	0			R521	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(GT620U:AEP,UK,RU/GT627UE)	R523	1-216-845-11	METAL CHIP	100K	5%	1/10W
R61	1-216-864-11	SHORT CHIP	0			R524	1-216-845-11	METAL CHIP	100K	5%	1/10W
R101	1-216-809-11	METAL CHIP	100	5%	1/10W	R525	1-216-845-11	METAL CHIP	100K	5%	1/10W
R102	1-216-809-11	METAL CHIP	100	5%	1/10W	R531	1-216-845-11	METAL CHIP	100K	5%	1/10W
R151	1-216-817-11	METAL CHIP	470	5%	1/10W						
						R532	1-216-833-11	METAL CHIP	10K	5%	1/10W
R152	1-216-817-11	METAL CHIP	470	5%	1/10W	R533	1-216-845-11	METAL CHIP	100K	5%	1/10W
R153	1-216-834-11	METAL CHIP	12K	5%	1/10W	R535	1-216-845-11	METAL CHIP	100K	5%	1/10W
R154	1-216-834-11	METAL CHIP	12K	5%	1/10W						(EXCEPT GT620U:AEP,UK,RU/GT627UE)
R155	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R536	1-216-845-11	METAL CHIP	100K	5%	1/10W
R286	1-216-845-11	METAL CHIP	100K	5%	1/10W						(GT620U:AEP,UK,RU/GT627UE)
						R537	1-216-845-11	METAL CHIP	100K	5%	1/10W
											(GT670U/GT670US)
R301	1-216-811-11	METAL CHIP	150	5%	1/10W						
R302	1-216-841-11	METAL CHIP	47K	5%	1/10W	R538	1-216-845-11	METAL CHIP	100K	5%	1/10W
R303	1-216-864-11	SHORT CHIP	0								(GT620U/GT627UE)
R350	1-216-864-11	SHORT CHIP	0			R539	1-216-845-11	METAL CHIP	100K	5%	1/10W
R351	1-216-845-11	METAL CHIP	100K	5%	1/10W						(GT627UE)
						R540	1-216-845-11	METAL CHIP	100K	5%	1/10W
R370	1-414-595-11	INDUCTOR, FERRITE BEAD									(GT620U/GT670U:EA)
R371	1-414-595-11	INDUCTOR, FERRITE BEAD				R541	1-216-845-11	METAL CHIP	100K	5%	1/10W
R401	1-216-817-11	METAL CHIP	470	5%	1/10W						(GT620U:US,CND/GT627UE)
R402	1-216-817-11	METAL CHIP	470	5%	1/10W	R542	1-216-845-11	METAL CHIP	100K	5%	1/10W
R403	1-216-837-11	METAL CHIP	22K	5%	1/10W						(GT620U:AEP,UK,RU/GT670U/GT670US)
R404	1-216-837-11	METAL CHIP	22K	5%	1/10W						
R405	1-216-845-11	METAL CHIP	100K	5%	1/10W	R543	1-216-845-11	METAL CHIP	100K	5%	1/10W
R412	1-216-864-11	SHORT CHIP	0								(GT620U:AEP,UK,RU/GT627UE)
R421	1-216-813-11	METAL CHIP	220	5%	1/10W	R544	1-216-845-11	METAL CHIP	100K	5%	1/10W
R430	1-216-809-11	METAL CHIP	100	5%	1/10W						(EXCEPT GT620U:AEP,UK,RU/GT627UE)
						R545	1-216-845-11	METAL CHIP	100K	5%	1/10W
R431	1-216-813-11	METAL CHIP	220	5%	1/10W						(GT670U:E/GT670US)
R442	1-216-813-11	METAL CHIP	220	5%	1/10W	R546	1-216-845-11	METAL CHIP	100K	5%	1/10W
R447	1-216-837-11	METAL CHIP	22K	5%	1/10W						(GT670U:E/GT670US)
R448	1-216-837-11	METAL CHIP	22K	5%	1/10W	R547	1-216-817-11	METAL CHIP	470	5%	1/10W
R449	1-216-837-11	METAL CHIP	22K	5%	1/10W						
						R548	1-216-817-11	METAL CHIP	470	5%	1/10W
R450	1-216-837-11	METAL CHIP	22K	5%	1/10W	R549	1-216-817-11	METAL CHIP	470	5%	1/10W
R451	1-216-813-11	METAL CHIP	220	5%	1/10W	R550	1-216-821-11	METAL CHIP	1K	5%	1/10W
R452	1-216-809-11	METAL CHIP	100	5%	1/10W	R551	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-813-11	METAL CHIP	220	5%	1/10W	R552	1-216-833-11	METAL CHIP	10K	5%	1/10W
R462	1-216-837-11	METAL CHIP	22K	5%	1/10W						
						R553	1-216-833-11	METAL CHIP	10K	5%	1/10W
R463	1-216-864-11	SHORT CHIP	0			R555	1-216-845-11	METAL CHIP	100K	5%	1/10W
R471	1-216-813-11	METAL CHIP	220	5%	1/10W						(GT627UE)
R472	1-216-837-11	METAL CHIP	22K	5%	1/10W	R557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R473	1-216-864-11	SHORT CHIP	0								(GT620U/GT670U/GT670US)
R485	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	R558	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R559	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R491	1-216-805-11	METAL CHIP	47	5%	1/10W	R560	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R493	1-216-833-11	METAL CHIP	10K	5%	1/10W	R561	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R494	1-216-833-11	METAL CHIP	10K	5%	1/10W	R562	1-216-845-11	METAL CHIP	100K	5%	1/10W
R495	1-216-833-11	METAL CHIP	10K	5%	1/10W	R563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R496	1-216-833-11	METAL CHIP	10K	5%	1/10W	R564	1-216-845-11	METAL CHIP	100K	5%	1/10W
R501	1-216-845-11	METAL CHIP	100K	5%	1/10W	R566	1-216-809-11	METAL CHIP	100	5%	1/10W
R502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R567	1-216-809-11	METAL CHIP	100	5%	1/10W
R503	1-216-845-11	METAL CHIP	100K	5%	1/10W	R569	1-216-864-11	SHORT CHIP	0		
R504	1-216-864-11	SHORT CHIP	0			R570	1-216-845-11	METAL CHIP	100K	5%	1/10W
R505	1-216-849-11	METAL CHIP	220K	5%	1/10W	R571	1-216-845-11	METAL CHIP	100K	5%	1/10W
R507	1-216-809-11	METAL CHIP	100	5%	1/10W	R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R508	1-216-845-11	METAL CHIP	100K	5%	1/10W	R600	1-216-845-11	METAL CHIP	100K	5%	1/10W
R509	1-216-809-11	METAL CHIP	100	5%	1/10W	R601	1-216-849-11	METAL CHIP	220K	5%	1/10W
R510	1-216-809-11	METAL CHIP	100	5%	1/10W	R603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R511	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R604	1-216-821-11	METAL CHIP	1K	5%	1/10W
R512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R680	1-216-864-11	SHORT CHIP	0		
R515	1-216-845-11	METAL CHIP	100K	5%	1/10W	R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R517	1-216-809-11	METAL CHIP	100	5%	1/10W	R702	1-216-841-11	METAL CHIP	47K	5%	1/10W
R518	1-216-845-11	METAL CHIP	100K	5%	1/10W	R703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-216-809-11	METAL CHIP	100	5%	1/10W						

CDX-GT620U/GT627UE/GT670U/GT670US

Ver. 1.1

MAIN **SERVO** **SUB**

Ref. No.	Part No.	Description	Remark
R704	1-216-833-11	METAL CHIP 10K 5%	1/10W
R705	1-249-425-11	CARBON 4.7K 5%	1/4W
R706	1-216-841-11	METAL CHIP 47K 5%	1/10W
R707	1-216-841-11	METAL CHIP 47K 5%	1/10W
R708	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R710	1-216-837-11	METAL CHIP 22K 5%	1/10W
R711	1-216-845-11	METAL CHIP 100K 5%	1/10W
R712	1-249-425-11	CARBON 4.7K 5%	1/4W
R800	1-576-416-21	FUSE, MICRO (1608 TYPE) 2A	
R809	1-216-821-11	METAL CHIP 1K 5%	1/10W
R810	1-216-832-11	METAL CHIP 8.2K 5%	1/10W
R811	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R812	1-216-830-11	METAL CHIP 5.6K 5%	1/10W
R813	1-216-295-11	SHORT CHIP 0	
R822	1-216-864-11	SHORT CHIP 0	
R823	1-246-335-11	METAL CHIP 0.012 1%	1/2W
R824	1-216-823-11	METAL CHIP 1.5K 5%	1/10W
R825	1-216-864-11	SHORT CHIP 0	
R826	1-216-845-11	METAL CHIP 100K 5%	1/10W
R827	1-216-851-11	METAL CHIP 330K 5%	1/10W
R828	1-216-843-11	METAL CHIP 68K 5%	1/10W
R829	1-218-879-11	METAL CHIP 22K 0.5%	1/10W
R830	1-218-895-11	METAL CHIP 100K 0.5%	1/10W
R831	1-218-885-11	METAL CHIP 39K 0.5%	1/10W
R832	1-216-821-11	METAL CHIP 1K 5%	1/10W
R833	1-216-821-11	METAL CHIP 1K 5%	1/10W
R834	1-216-821-11	METAL CHIP 1K 5%	1/10W
R839	1-216-821-11	METAL CHIP 1K 5%	1/10W
R840	1-216-833-11	METAL CHIP 10K 5%	1/10W
R842	1-216-821-11	METAL CHIP 1K 5%	1/10W
R844	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R846	1-216-833-11	METAL CHIP 10K 5%	1/10W
R847	1-246-335-11	METAL CHIP 0.012 1%	1/2W
R848	1-216-842-11	METAL CHIP 56K 5%	1/10W
R849	1-216-842-11	METAL CHIP 56K 5%	1/10W
R850	1-216-864-11	SHORT CHIP 0	
R851	1-216-833-11	METAL CHIP 10K 5%	1/10W
R852	1-216-842-11	METAL CHIP 56K 5%	1/10W
R900	1-216-864-11	SHORT CHIP 0	
R901	1-216-027-00	RES-CHIP 120 5%	1/10W
R902	1-216-809-11	METAL CHIP 100 5%	1/10W
R903	1-216-809-11	METAL CHIP 100 5%	1/10W
R904	1-216-809-11	METAL CHIP 100 5%	1/10W
R905	1-216-027-00	RES-CHIP 120 5%	1/10W
R906	1-216-027-00	RES-CHIP 120 5%	1/10W
< SWITCH >			
S103	1-786-826-11	SWITCH, TACTILE (RESET)	
S501	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECTOR) (GT670U:E/GT670US)	
S600	1-786-458-11	SWITCH, PUSH (1 KEY) (NOSE DET)	
< TUNER UNIT >			
TU1	A-3220-960-B	TUNER UNIT (TUX-032) (GT670U/GT670US)	
TU1	A-3220-961-B	TUNER UNIT (TUX-032) (GT620U/GT627UE)	
< VIBRATOR >			
X50	1-813-173-11	VIBRATOR, CRYSTAL (8.664MHz) (GT620U:AEP,UK,RU/GT627UE)	
X501	1-814-075-21	VIBRATOR, CERAMIC (11.06MHz) (GT620U/GT627UE)	

Ref. No.	Part No.	Description	Remark
X501	1-814-081-11	VIBRATOR, CRYSTAL (11.06MHz) (GT670U/GT670US)	
X502	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)	

A-1362-921-A SERVO BOARD, COMPLETE			

SUB BOARD			

< CAPACITOR >			
C201	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C202	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
< CONNECTOR >			
CN201	1-821-654-11	SOCKET, CONNECTOR 24P	
CN203	1-691-550-11	PIN, CONNECTOR (1.5mm) (SMD) 3P	
< DIODE >			
D203	6-501-730-01	DIODE MAZ8051GMLS0	
D204	6-501-730-01	DIODE MAZ8051GMLS0	
LED201	6-501-547-01	LED CL-197HB1E-D-T (CD INDICATOR) (GT620U/GT670U/GT670US)	
LED201	8-719-078-21	LED SML-310PTT86 (CD INDICATOR) (GT627UE)	
LED202	6-501-547-01	LED CL-197HB1E-D-T (▲) (GT620U/GT670U/GT670US)	
LED202	8-719-078-21	LED SML-310PTT86 (▲) (GT627UE)	
< RESISTOR >			
R201	1-216-811-11	METAL CHIP 150 5%	1/10W (GT627UE)
R201	1-216-821-11	METAL CHIP 1K 5%	1/10W (GT620U/GT670U/GT670US)
R202	1-216-816-11	METAL CHIP 390 5%	1/10W (GT627UE)
R202	1-216-830-11	METAL CHIP 5.6K 5%	1/10W (GT620U/GT670U/GT670US)
R203	1-216-797-11	METAL CHIP 10 5%	1/10W
R204	1-216-797-11	METAL CHIP 10 5%	1/10W
R206	1-216-864-11	SHORT CHIP 0	
< SWITCH >			
S201	1-786-653-21	SWITCH, TACTILE (▲)	

MISCELLANEOUS			

3	1-834-627-11	CABLE, FLEXIBLE FLAT (23 CORE) (CN202)	
12	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER) (GT620U:AEP,UK,RU/GT627UE)	
12	1-833-972-11	CORD (WITH CONNECTOR) (POWER) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
△ 103	X-2149-672-1	SERVICE ASSY, OP (DAX-25A)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	

Ref. No.	Part No.	Description	Remark
		ACCESSORIES *****	
	1-479-077-13	REMOTE COMMANDER (RM-X151)	
	2-548-729-01	LID, BATTERY CASE (for RM-X151)	
	3-275-494-12	MANUAL, INSTRUCTION (ENGLISH,FRENCH) (GT620U:CND)	
	3-275-494-22	MANUAL, INSTRUCTION (ENGLISH,GERMAN, FRENCH,ITALIAN,DUTCH) (GT620U:AEP,UK)	
	3-275-494-33	MANUAL, INSTRUCTION (RUSSIAN,UKRAINIAN) (GT620U:RU/GT627UE)	
	3-275-494-42	MANUAL, INSTRUCTION (ENGLISH,SPANISH) (GT670U:E/GT670US)	
	3-275-494-53	MANUAL, INSTRUCTION (ENGLISH) (GT670U:EA)	
	3-275-494-71	MANUAL, INSTRUCTION (ENGLISH, SPANISH) (GT620U:US)	
	3-275-495-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (GT620U:CND)	
	3-275-495-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN,FRENCH,ITALIAN,DUTCH) (GT620U:AEP,UK)	
	3-275-495-31	MANUAL, INSTRUCTION, INSTALL (RUSSIAN, UKRAINIAN) (GT620U:RU/GT627UE)	
	3-275-495-41	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH) (GT670U:E/GT670US)	
	3-275-495-51	MANUAL, INSTRUCTION, INSTALL (ENGLISH) (GT670U:EA)	
	3-275-495-71	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH) (GT620U:US)	
	X-2187-544-1	CASE ASSY (for FRONT PANEL) (EXCEPT GT620U:US,CND)	

Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS *****	
151	X-2179-431-1	FRAME ASSY, FITTING	
152	3-209-713-01	COLLAR	
153	3-246-471-01	KEY (FRAME)	
154	X-3381-154-1	SCREW ASSY (BS4), FITTING (GT670U/GT670US)	
155	X-3382-926-1	SCREW ASSY (BS), FITTING (GT620U:AEP,UK,RU/GT627UE)	
156	3-349-410-11	BUSHING (EXCEPT GT620U:US,CND)	
157	3-934-325-01	SCREW, +K (5X8) TAPPING (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
158	1-465-459-31	ADAPTOR, ANTENNA (GT620U:AEP,UK,RU/GT627UE)	
159	1-833-972-11	CORD (WITH CONNECTOR) (POWER) (EXCEPT GT620U:AEP,UK,RU/GT627UE)	
160	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER) (GT620U:AEP,UK,RU/GT627UE)	

