

CX-JN5

SERVICE MANUAL

Ver 1.1 2003.06



US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

CX-JN5 is the amplifier, CD player, tape deck and tuner section in JAX-N5/PK5.

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM74-K6BD71A, CDM74S-K6BD71A, CDM74S-K6BD72
	Base Unit Name	BU-K6BD71A, BU-K6BD72
	Optical Block Name	KSM-213DCP
	Optical Pick-up Name	KSS-213D
Tape deck Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CWM43FF13, CWM43FR16, CWM43FR26

SPECIFICATIONS

TUNER

FM tuning range
Except CIS model: 87.5 MHz to 108 MHz
CIS model: 65 MHz to 74 MHz (10 kHz step)
87.5 MHz to 108 MHz (50 kHz step)

FM usable sensitivity (IHF)
Except AEP, UK, CIS models: 13.2 dBf
AEP, UK models: 16.8 dBf
CIS model: 15.3 dBf (65 MHz to 74 MHz)
12.8 dBf (87.5 MHz to 108 MHz)

FM antenna terminal
AM tuning range
US, CND, E51, MX models: 530 kHz to 1710 kHz (10 kHz step)
531 kHz to 1710 kHz (9 kHz step)
AEP, UK, CIS, E, SP, TW models: 531 kHz to 1602 kHz
KR, AUS models: 531 kHz to 1602 kHz (9 kHz step)
530 kHz to 1710 kHz (10 kHz step)
AM usable sensitivity
AM antenna
350 μ V/m
Loop antenna

AMPLIFIER

Power output
US, CND models: 96 W + 96 W (40 Hz - 20 kHz, THD less than 1 %, 6 ohms)
120 W + 120 W (1 kHz, THD less than 10 %, 6 ohms)

AEP, UK, CIS models: Rated: 64 W + 64 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500)
Reference: 80 W + 80 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324)
MUSIC POWER: 195 W + 195 W
Rated: 80 W + 80 W (1 kHz, T.H.D. 1 %, 6 ohms)
Reference: 100 W + 100 W (1 kHz, T.H.D. 10 %, 6 ohms)

Except US, CND, AEP, UK, CIS models:
Total harmonic distortion
US, CND models: 0.08 % (45 W, 1 kHz, 6 ohms)
AEP, UK, CIS models: 0.08 % (32 W, 1 kHz, 6 ohms, DIN AUDIO)
0.08 % (40 W, 1 kHz, 6 ohms, DIN AUDIO)
VIDEO/AUX: 400 mV
SPEAKERS: 6 ohms or more
PHONES: 32 ohms or more

CASSETTE DECK

Track format
Frequency response
Recording system
4 tracks, 2 channels stereo
50 Hz - 8 kHz
AC bias

Heads

Deck A: playback x 1
Deck B: recording/playback x 1, erase x 1

CD PLAYER

Laser
Semiconductor laser ($\lambda = 780$ nm)
Emission duration: continuous
1 bit dual
Signal-to-noise ratio
85 dB (1 kHz, 0 dB)
Harmonic distortion
0.05 % (1 kHz, 0 dB)

GENERAL

Power requirements
US, CND, MX models: 120 V AC, 60 Hz
AEP, UK, CIS models: 230 V AC, 50/60 Hz
E, E51, SP, TW models: 110 - 120 V/220 - 240 V AC (switchable), 50/60 Hz
KR model: 220 V AC, 60 Hz
AUS model: 240 V AC, 50/60 Hz
Power consumption
US, CND models: 100 W
AEP, UK, CIS models: 93 W

— Continued on next page —

COMPACT DISC DECK RECEIVER

9-877-250-02
2003F05-1
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Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation



Except US, CND, AEP, UK,	
CIS models:	105 W
Power consumption	With ECO mode on: 0.25 W
in standby mode	With ECO mode off: 20 W
Dimensions (W x H x D)	280 x 330 x 392.5 mm
	(11 1/8 x 13 x 15 1/2 in.)
Weight	
US, CND, E51, KR models:	8.0 kg (17 lbs 10 oz)
AEP, UK models:	7.2 kg
CIS model:	7.6 kg
E, MX, SP, TW models:	7.9 kg

Specifications and external appearance are subject to change without notice.

- Abbreviation
- AUS : Australian model
- CND : Canadian model
- E51 : Chilean and Peruvian models
- KR : Korean model
- MX : Mexican model
- SP : Singapore model
- TW : Taiwan model

COPYRIGHT

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CAUTION

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

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLÄITE
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

The following caution label is located inside the unit.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

VORSICHT : UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHERHEITSSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.

VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALT-TIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

VARNING : OSYNLIG LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN.

ADVERSEL : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.

VIGYAZAT! : A BURKOLAT NYITÁSAKOR LÁTHATATLAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!

DANGER

INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

DANGER

RADIATION DE LESER INVISIBLE LORS D'OUVERTURE. AVEC L'ENCLÈCHEMENT DE SECURITE ANNULÉ. EVITER L'EXPOSITION DIRECTE AU RAYON.

SAFETY-RELATED COMPONENT WARNING!!

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

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

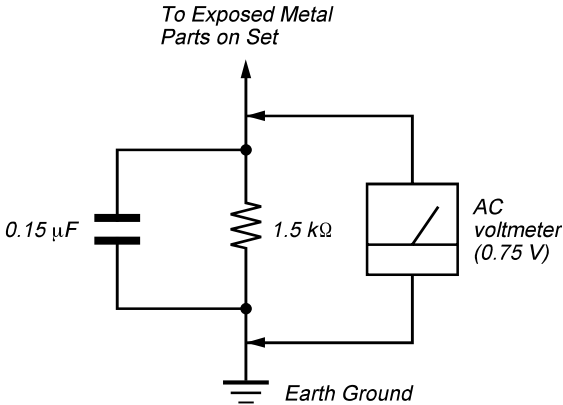


Fig. A. Using an AC voltmeter to check AC leakage.

Notes on chip component replacement

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

Flexible Circuit Board Repairing

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

TABLE OF CONTENTS

1. SERVICING NOTES	4	7. EXPLODED VIEWS	49
2. GENERAL		7-1. Case Section	49
Location of Controls	7	7-2. Front Panel Section-1	50
3. DISASSEMBLY		7-3. Front Panel Section-2	51
3-1. Disassembly Flow	9	7-4. Front Panel Section-3	52
3-2. Case (SIDE-L/R)	10	7-5. Front Panel Section-4	53
3-3. Case (Top)	10	7-6. Chassis Section	54
3-4. Tray Panel	11	7-7. CD Mechanism Deck Section-1 (CDM74-K6BD71AS, CDM74S-K6BD71A, CDM74S-K6BD72)	55
3-5. CD Mechanism Deck (CDM74-K6BD71AS, CDM74S-K6BD71A, CDM74S-K6BD72)	11	7-8. CD Mechanism Deck Section-2 (CDM74-K6BD71AS, CDM74S-K6BD71A, CDM74S-K6BD72)	56
3-6. Front Panel Section	12	7-9. CD Mechanism Deck Section-3 (CDM74-K6BD71A, CDM74S-K6BD71A, CDM74S-K6BD72)	57
3-7. Mechanical Deck (CWM43FF13, CWM43FR16, CWM43FR26)	12	7-10. Base Unit Section (BU-K6BD71A, BU-K6BD72)	58
3-8. Rear Cabinet Section	13	8. ELECTRICAL PARTS LIST	59
3-9. PT Board, MAIN Board	13	• Abbreviation	
3-10. Table Assy	14	AUS : Australian model	
3-11. Motor (TB) Board	14	CND : Canadian model	
3-12. Motor (LD) Board	15	E51 : Chilean and Peruvian models	
3-13. Base Unit (BU-K6BD71A, BU-K6BD72)	15	KR : Korean model	
3-14. Motor Gear Assy (Sled) (M701), BD Board	16	MX : Mexican model	
3-15. Optical Pick-up (KSS-213D)	16	SP : Singapore model	
4. TEST MODE	17	TW : Taiwan model	
5. ELECTRICAL ADJUSTMENTS			
CD Section	19		
6. DIAGRAMS			
6-1. Block Diagram – CD Section –	20		
6-2. Block Diagram – TUNER/TAPE/PANEL Section –	21		
6-3. Block Diagram – AMP/POWER SUPPLY Section –	22		
6-4. Note for Printed Wiring Boards and Schematic Diagrams	23		
6-5. Printed Wiring Board – BD Section – (AEP, UK, CIS, E51, MX)	24		
6-6. Schematic Diagram – BD Section – (AEP, UK, CIS, E51, MX)	25		
6-7. Printed Wiring Board – BD Section – (US, CND, E, SP, TW, KR, AUS)	26		
6-8. Schematic Diagram – BD Section – (US, CND, E, SP, TW, KR, AUS)	27		
6-9. Printed Wiring Boards – CHANGER Section –	28		
6-10. Schematic Diagram – CHANGER Section –	29		
6-11. Schematic Diagram – MAIN Section (1/4) –	30		
6-12. Schematic Diagram – MAIN Section (2/4) –	31		
6-13. Schematic Diagram – MAIN Section (3/4) –	32		
6-14. Schematic Diagram – MAIN Section (4/4) –	33		
6-15. Printed Wiring Board – MAIN Section –	34		
6-16. Printed Wiring Board – HP Section –	35		
6-17. Schematic Diagram – HP Section –	35		
6-18. Printed Wiring Board – PANEL Section –	36		
6-19. Schematic Diagram – PANEL Section –	37		
6-20. Printed Wiring Boards – KEY Section –	38		
6-21. Schematic Diagram – KEY Section –	39		
6-22. Printed Wiring Board – PT Section – (Except E, E51, SP, TW)	40		
6-23. Schematic Diagram – PT Section – (Except E, E51, SP, TW)	41		
6-24. Printed Wiring Board – PT Section – (E, E51, SP, TW)	42		
6-25. Schematic Diagram – PT Section – (E, E51, SP, TW)	43		
6-26. IC Pin Function Description	47		

SECTION 1
SERVICING NOTES

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

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION
CHECK

Carry out the “S curve check” in “CD section adjustment” and check that the S curve waveforms is output three times.

UNLEADED SOLDER

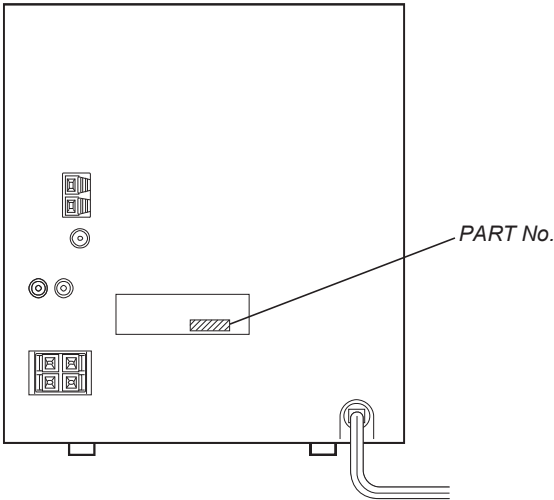
Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

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.

• MODEL IDENTIFICATION
– Back Panel –

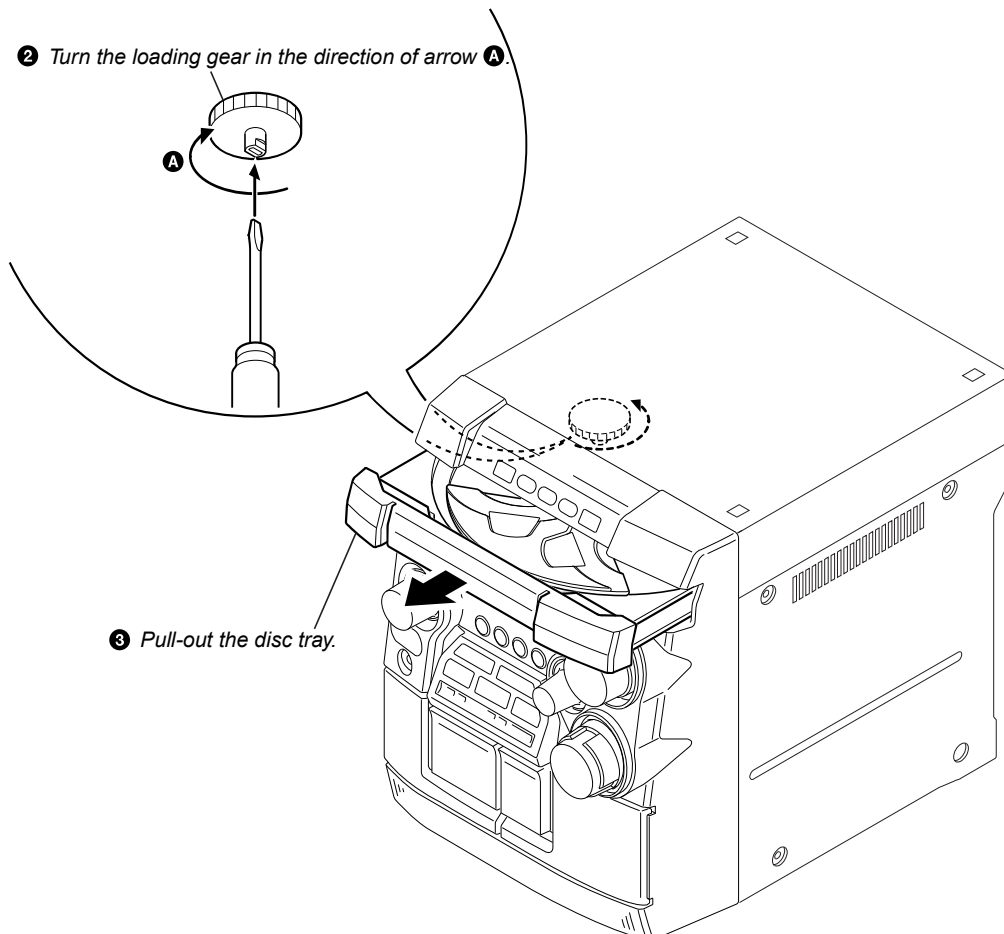


MODEL	PART No.
US model	4-245-154-0□
Chilean and Peruvian models	4-245-154-2□
CIS model	4-245-154-4□
E, Singapore and Taiwan models	4-245-154-6□
Korean and Australian models	4-245-154-8□
AEP and UK models	4-245-280-0□
Mexican model (made in Mexico)	4-245-280-3□
Mexican model (made in China)	4-245-280-4□
Canadian model	4-245-280-5□

HOW TO OPEN THE DISC TRAY WHEN POWER SWITCH TURNS OFF.

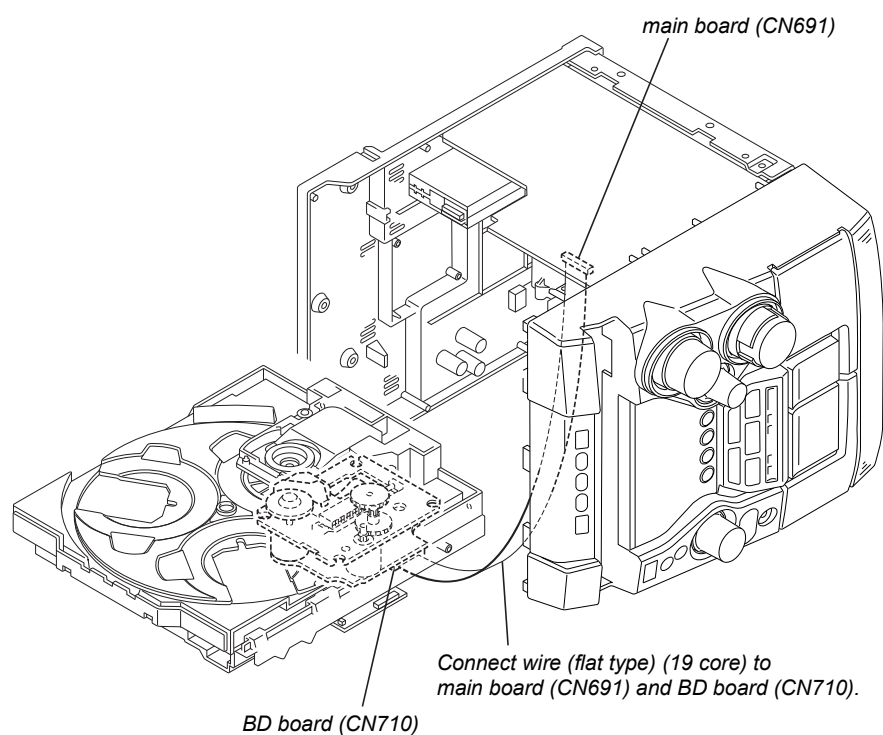
❶ Remove the case (side-L).

❷ Turn the loading gear in the direction of arrow A.

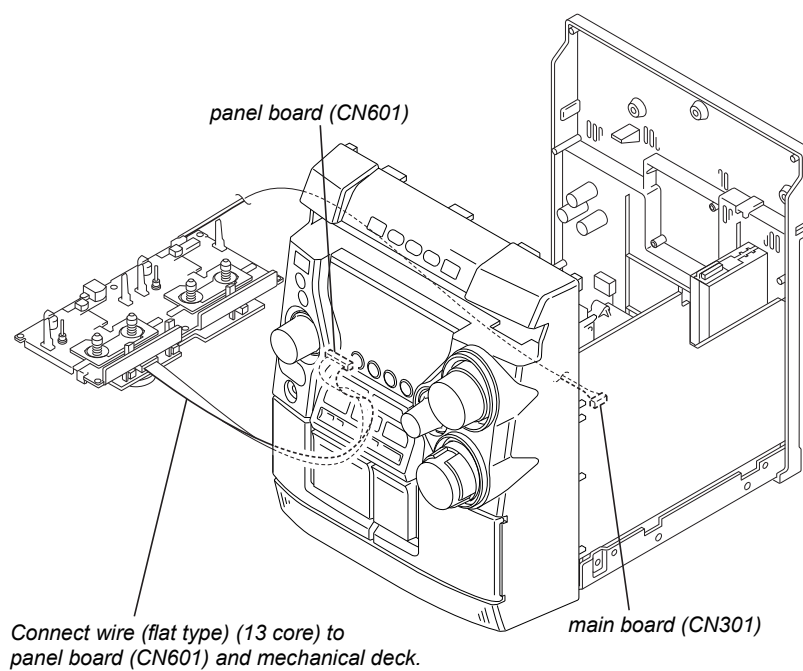


❸ Pull-out the disc tray.

SERVICE POSITION – CD mechanism deck –



– Tape mechanism deck –

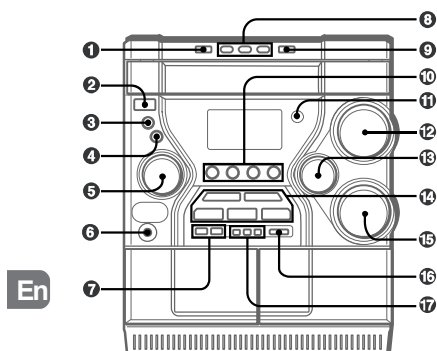


SECTION 2 GENERAL

This section is extracted from instruction manual.

• LOCATION OF CONTROLS

Main unit: front



En

1 DISC CHANGE

Rotates the CD trays.

2 POWER $\odot$ STANDBY/ON

Switches the unit on and off (standby). The red indicator flashes when receiving a signal from the remote.

3 MODE

Selects various modes (ECO and Repeat/Shuffle/Programmed playback, etc.) when used in combination with ENTER and MULTI JOG.

4 ENTER

Fixes the modes and the time (ECO, Repeat/Shuffle/Programmed playback, clock, and timer, etc.) when used in combination with ENTER and MULTI JOG.

5 MULTI JOG

When used in combination with ENTER and MULTI JOG, CD: selects a track and Repeat/Shuffle/Programmed playback.

Tuner: selects a preset station.
Tape: selects a reverse mode and specifies tape length.
Clock and Timer: sets the time.
i-Bass: selects a frequency range.
Spectrum analyzer, ECO and Dimmer: selects the mode.

6 PHONES jack

Plug in here an optional headphones set with a mini stereo plug ($\phi 3.5$ mm). Speaker output is canceled.

7 SYNC DUB

Starts dubbing a whole tape.

●REC/REC MUTING

Starts recording.

8 DISC DIRECT PLAY 1-3

Selects a disc.

9 $\triangle$ OPEN/CLOSE

Opens or closes the disc compartment.

10 TAPE A/B

Selects Tape function, and deck A or B.

TUNER/BAND

Selects Tuner function and the radio band.

VIDEO/AUX

Selects the function of external equipment connected to VIDEO/AUX jacks.

CD

Selects CD function.

11 Remotesensor

Receives a signal from the remote.

12 VOLUME

Adjusts the volume.

13 TREBLE

Enhances high frequency sound.

14 $\blacktriangleleft$ DIR (TAPE B)/PRESET

When the unit is turned off: activates or deactivates DEMO.

CD and Tape: starts playback.

Tuner: tunes into a preset station.

■STOP/CLEAR

CD and Tape: stops playback.

Tuner: clears a station preset.

$\blacktriangleleft$ TUNING DOWN, $\blacktriangleright$ TUNING UP

CD: searches a track in fast forward or fast reverse playback when held down.

Tape: fast forward or rewinds the tape.

Tuner: manually tunes down or up within the band.

■PAUSE/SET

CD and Tape: pauses playback.

Tuner: stores the received station into preset.

15 BASS

Emphasizes low frequency sound.

16 i-Bass

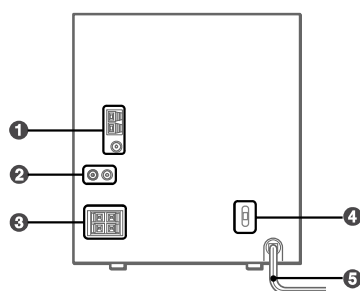
Produces rich and clear low frequency sound.

17 DISPLAY

Displays the time and the remaining time for CD, ALBUM ∇ , $\blacktriangle$ (AEP, UK, CIS, Chilean, Peruvian and Mexican models)

Selects a previous album or a succeeding album MP3-CDs.

Main unit: rear



1 AM LOOP, Υ FM 75 Ω terminals

Plug in the supplied AM and FM antennas here.

2 VIDEO/AUX jacks

Accepts analog sound signals from external equipment. Connect using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack). Refer also to the operating instructions of your equipment. To switch function to external input, press VIDEO/AUX.

Tip:

To change the displayed name for this function, turn the unit on, then hold down VIDEO/AUX and press POWER on the unit. Repeat the procedure to select "VIDEO", "AUX" or "TV".

3 $\boxtimes$ SPEAKER terminals

Connect the speaker cord of the supplied front speakers here.

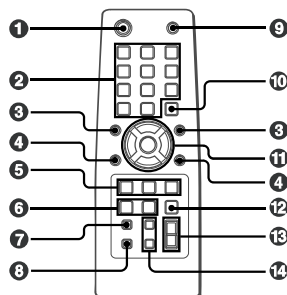
4 AC voltage selector (E, Chilean, Peruvian, Singapore, Taiwan)

Switches AC voltage between 110 - 120V and 220 - 240V. Make sure it matches your local voltage.

5 AC power cord

Remote control

Refer to the pages indicated in parentheses for details.



Buttons with the same or similar names with the main unit basically have the same function.

1 POWER

2 1-0/10, +10

CD: selects a CD track of the specified number.
Tuner: tunes into the station with the specified preset number.

The numbered buttons take on these functions below when pressed with **SHIFT** held down:

EDIT

Enters AI Edit Recording or Programmed Edit Recording mode when pressed in stop mode.

BAND

Selects Tuner function and the radio band.

TAPE A/B

SPECTRUM

Changes the spectrum analyzer display.

TUNER MODE

Switches between stereo or monaural FM reception.

3 <<<, >>>

CD: selects a track.
Tuner: selects a preset station.
Tape: specifies tape length.
BASS and TREBLE: adjusts the level.
Clock and Timer: sets the time.

4 ALBUM ∇, ∆

Selects a previous album or a succeeding album.

5 PLAY MODE

CD: selects Shuffle, Programmed playback, etc.
Tape: selects a reverse mode (deck B only).

REPEAT

Enters CD repeat playback mode.

ENTER

6 CLOCK/TIMER/SET

Enters timer setting mode.

CLOCK/TIMER/SELECT

Selects timer playback, timer recording or timer off.

7 DISPLAY

8 SHIFT

Hold down when pressing a numbered button to change its function to that printed above the number.

e.g.)

"Press **SHIFT+BAND** on the remote" indicates "Hold down **SHIFT** and press '2' (BAND)". Doing so makes you be able to select Tuner function and the radio band.

9 FUNCTION

Switches the active function among CD, TAPE, TUNER and VIDEO (AUX or TV).

10 DISC SKIP

Select a disc.

11 >>/<<

When the unit is turned off: activates or deactivates DEMO.
CD and Tape: starts playback.



CD and Tape: stops playback.



CD: searches a track in fast forward or fast reverse playback when held down.
Tape: fast forwards or rewinds the tape.
Tuner: manually tunes down or up within the band.



CD and Tape: pauses playback.

12 SLEEP

Switches the sleep-timer on/off and selects the duration.

13 VOLUME (+, -)

Adjusts the volume.

14 SOUND

Selects BASS or TREBLE setting mode.

CLEAR

Clears a track of the CD programmed playback and Radio preset station.

Note

The button not explained above (**KARAOKE**) does not operate for US, Canadian, AEP, UK and CIS models.

The buttons not explained above (**ALBUM ∇, ∆**) do not operate for US, Canadian, E, Singapore, Taiwan, Korean and Australian models.

En

En

Setting the clock

Use the remote.

1 Press CLOCK/TIMER/SET.

Go to step 3 when the time appears and the "hour" flashes.

2 Press <<< or >>> repeatedly until "CLOCK SET" appears in the display and then press ENTER.

3 Press <<< or >>> repeatedly to set the hour and then press ENTER.

4 Press <<< or >>> repeatedly to set the minute and then press ENTER.

The time display stops flashing and the clock starts from 00 seconds.

• MULTI JOG is also available in place of <<< or >>>.

To display the time

Press DISPLAY on the remote. The time will be displayed for 6 seconds.

Tip:

"AM 12:00" indicates midnight and "PM 12:00" noon.

If "-:--" appears when the unit is turned off

There has been a power interruption. Re-set the clock.

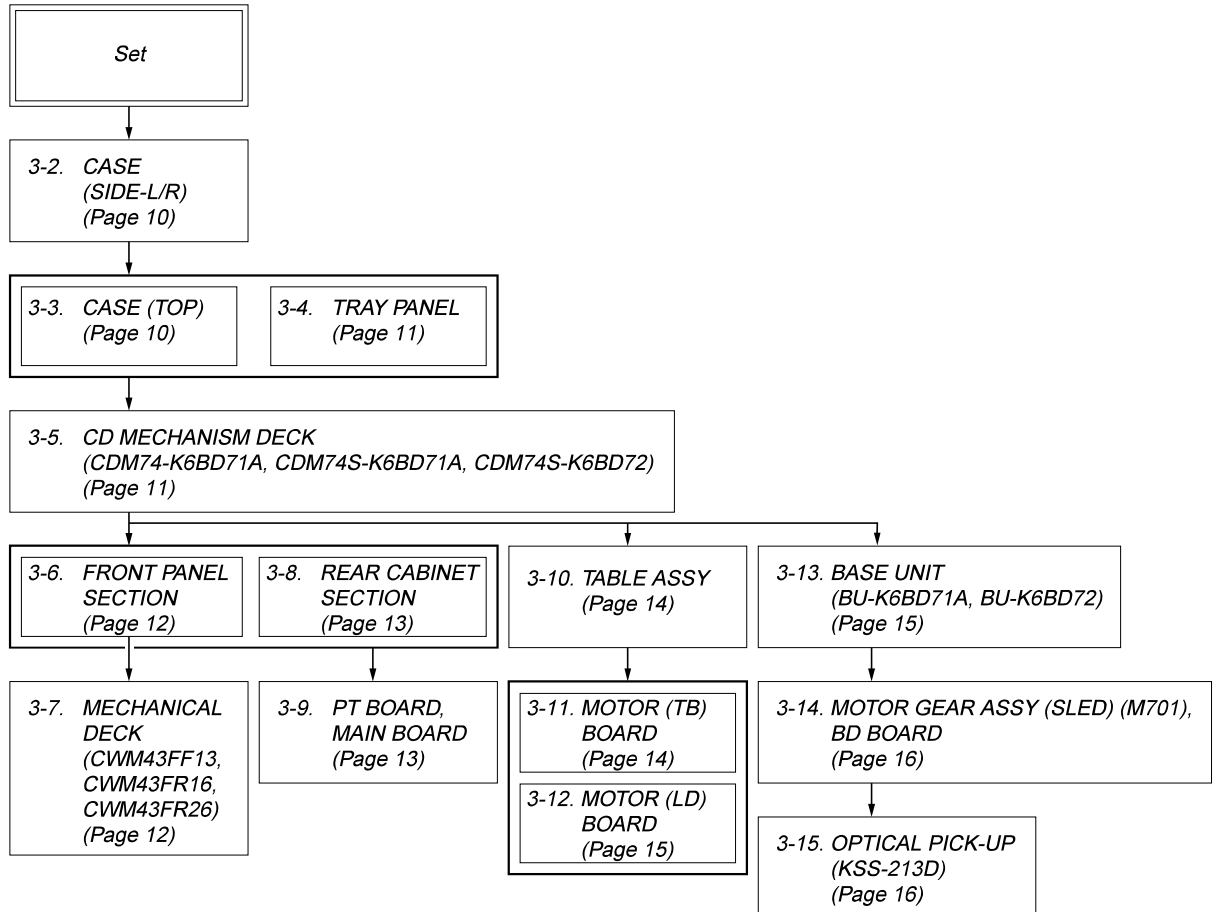
SECTION 3 DISASSEMBLY

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

3-1. DISASSEMBLY FLOW

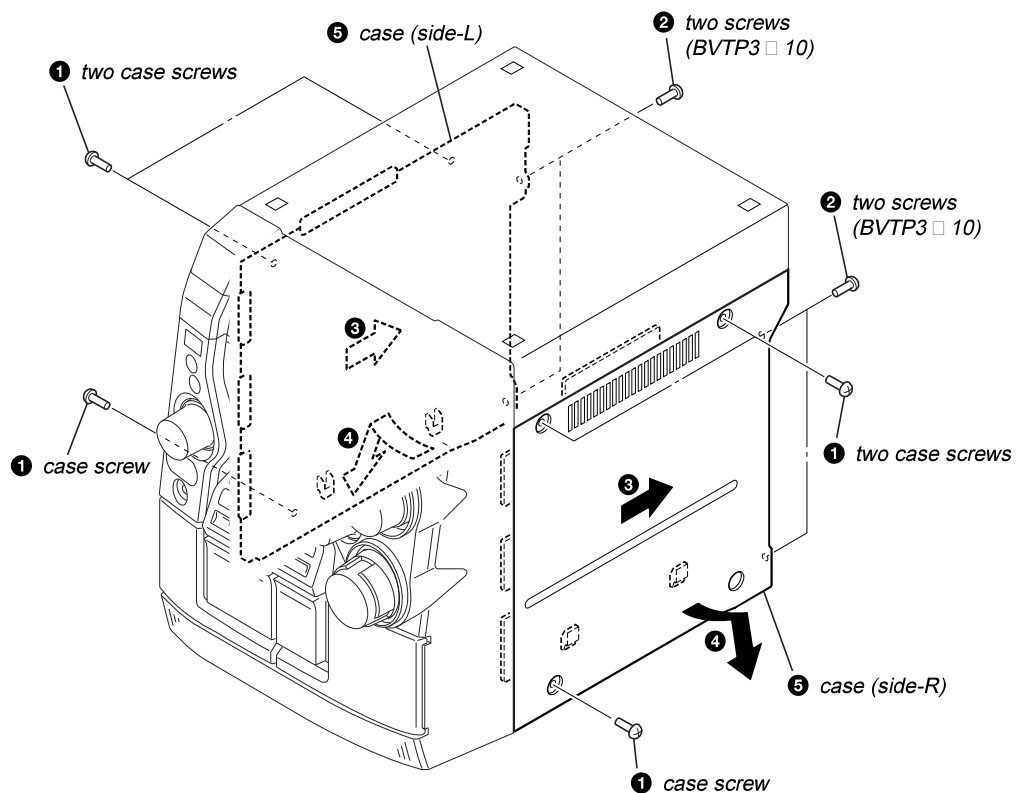
Note 1: The process described in  can be performed in any order.

Note 2: Without completing the process described in , the next process can not be performed.

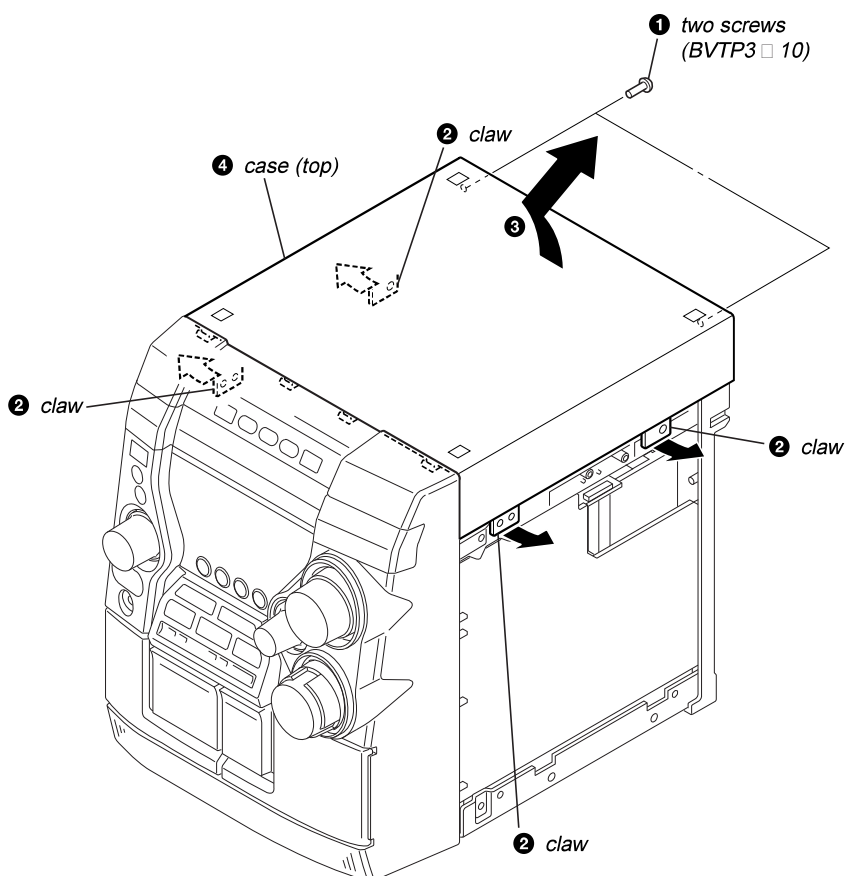


Note: Follow the disassembly procedure in the numerical order given.

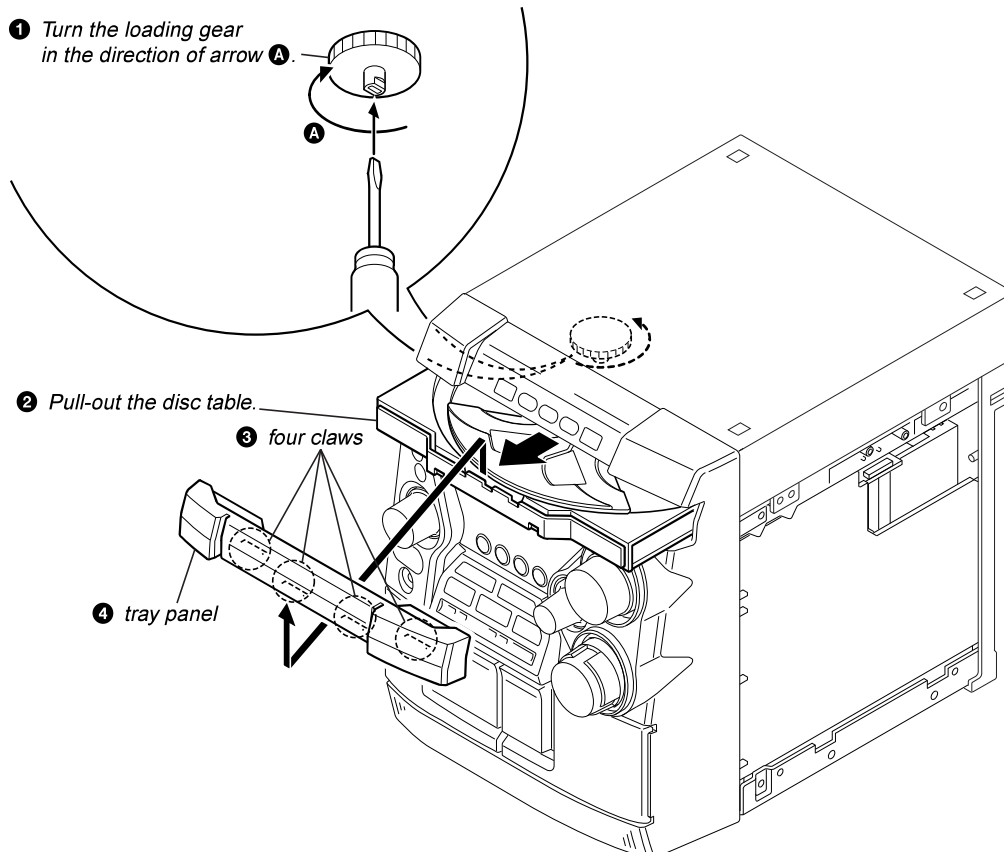
3-2. CASE (SIDE-L/R)



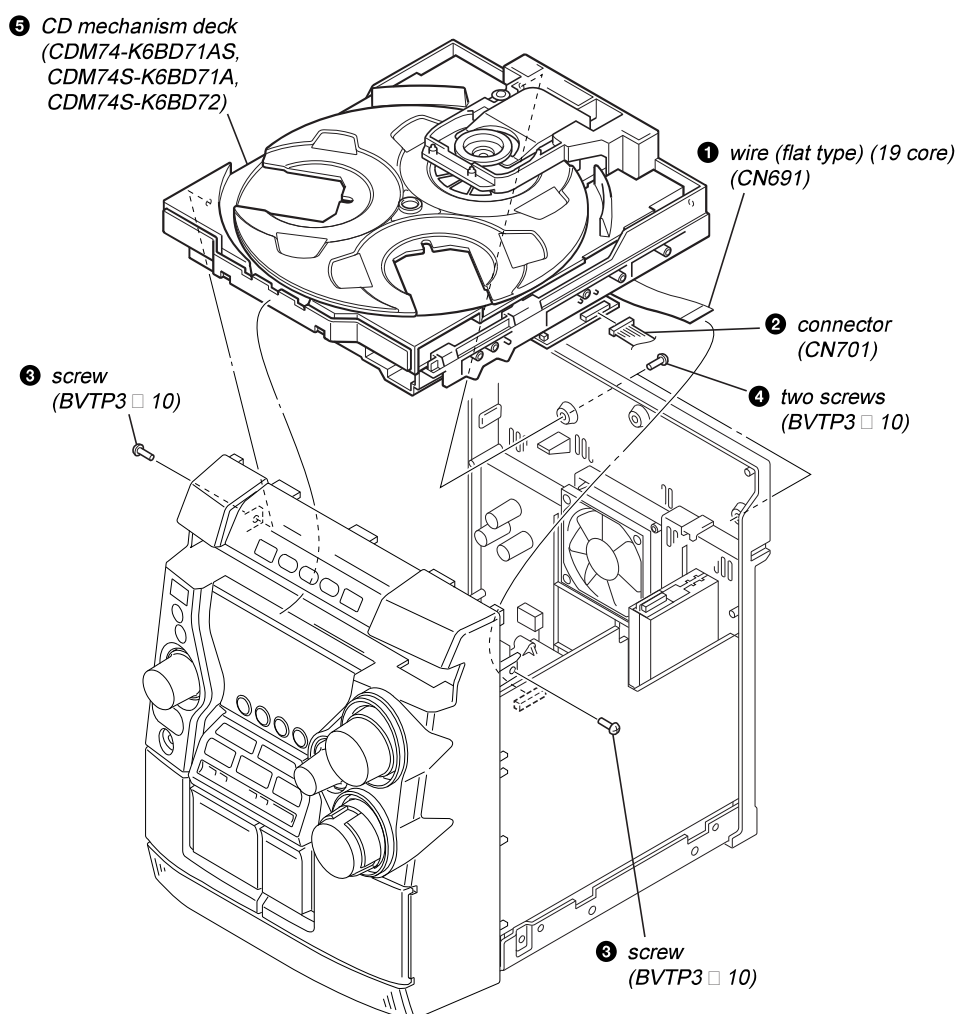
3-3. CASE (TOP)



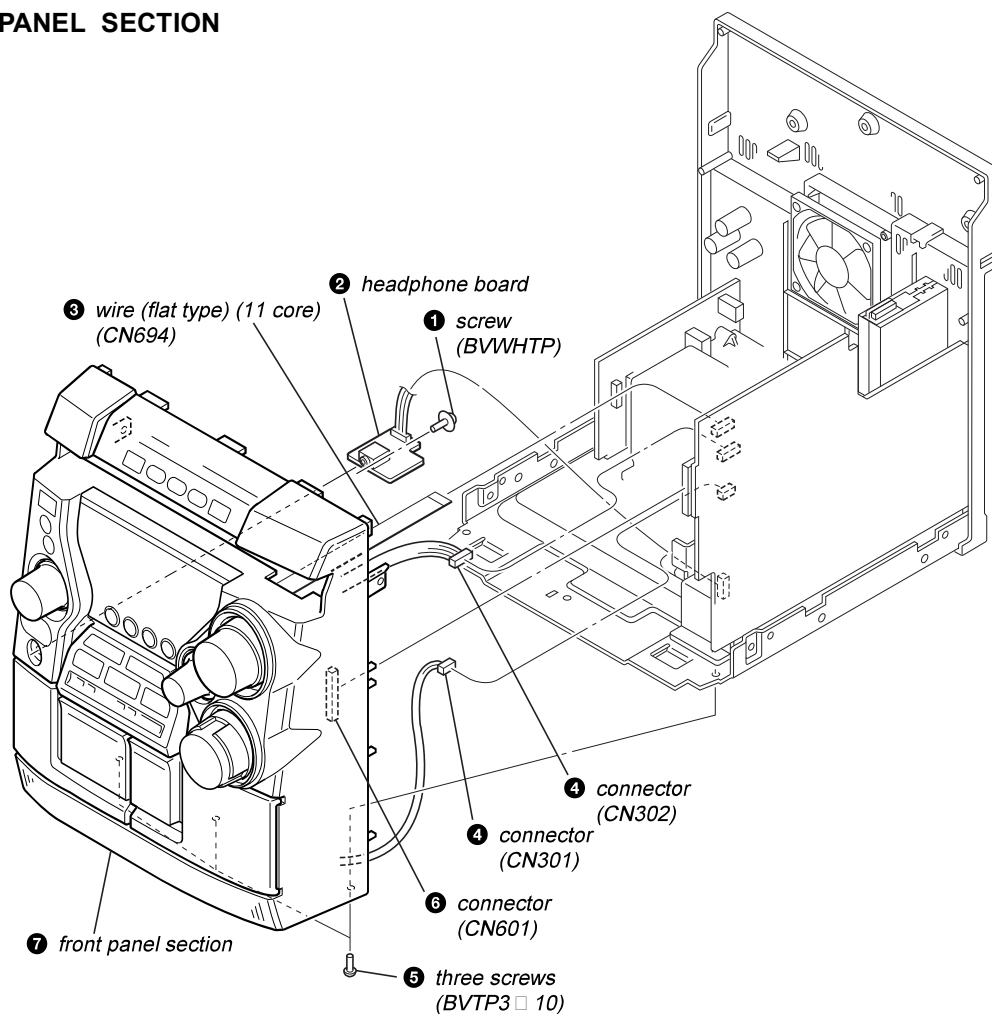
3-4. TRAY PANEL



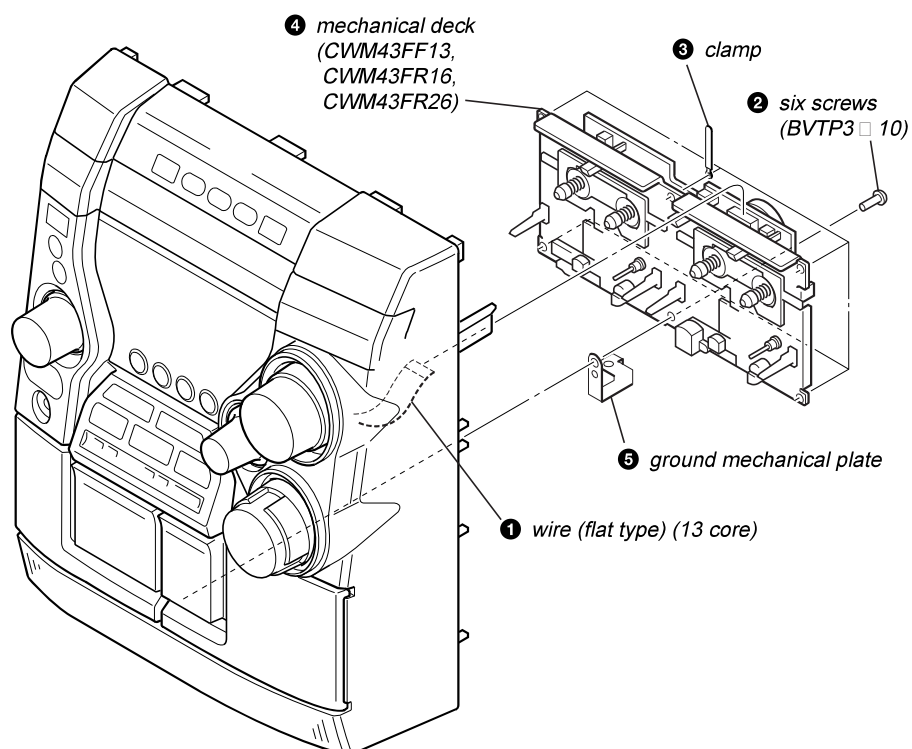
3-5. CD MECHANISM DECK (CDM74-K6BD71AS, CDM74S-K6BD71A, CDM74S-K6BD72)



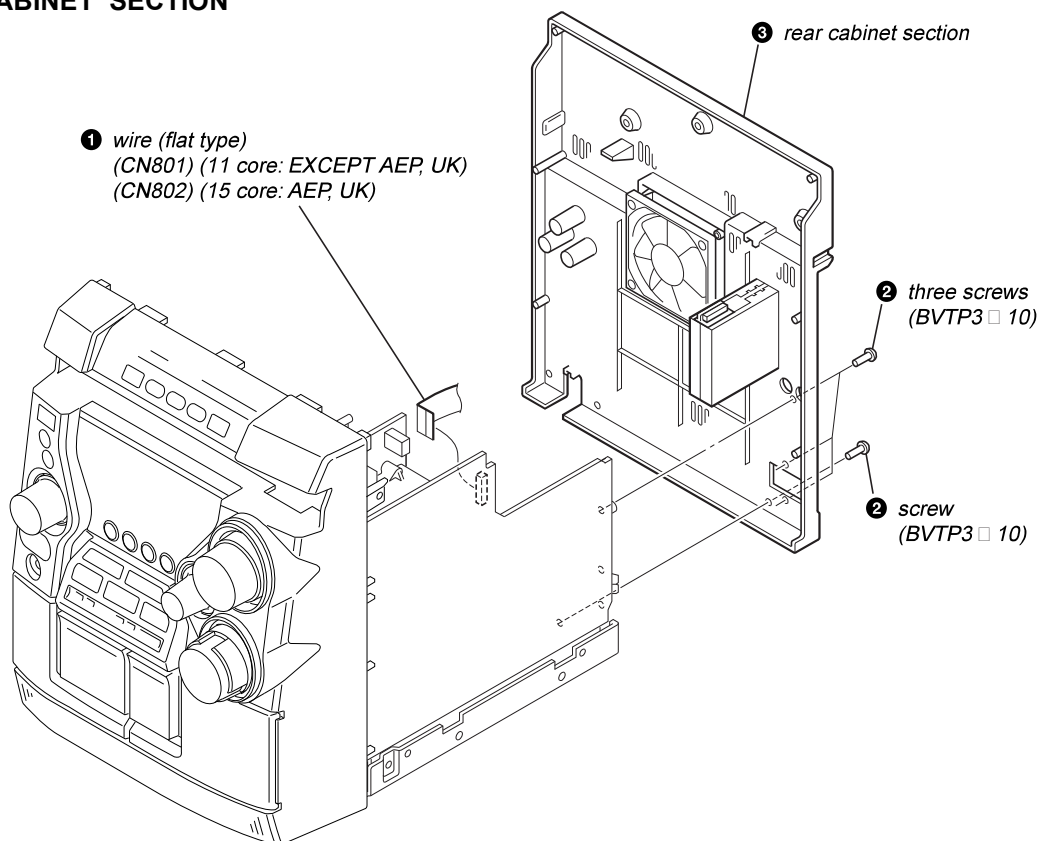
3-6. FRONT PANEL SECTION



3-7. MECHANICAL DECK (CWM43FF13, CWM43FR16, CWM43FR26)



3-8. REAR CABINET SECTION



3-9. PT BOARD, MAIN BOARD

• Abbreviation

AUS : Australian model

CND : Canadian model

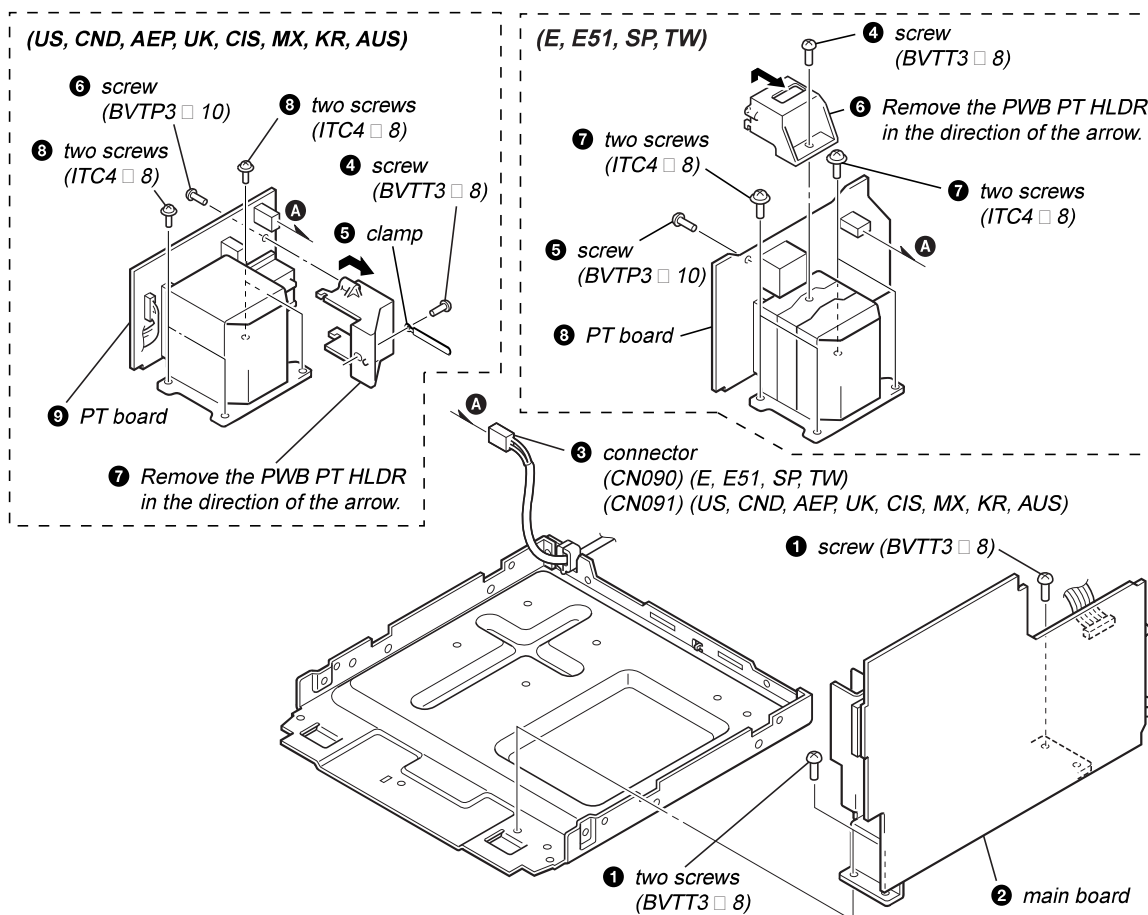
E51 : Chilean and Peruvian models

KR : Korean model

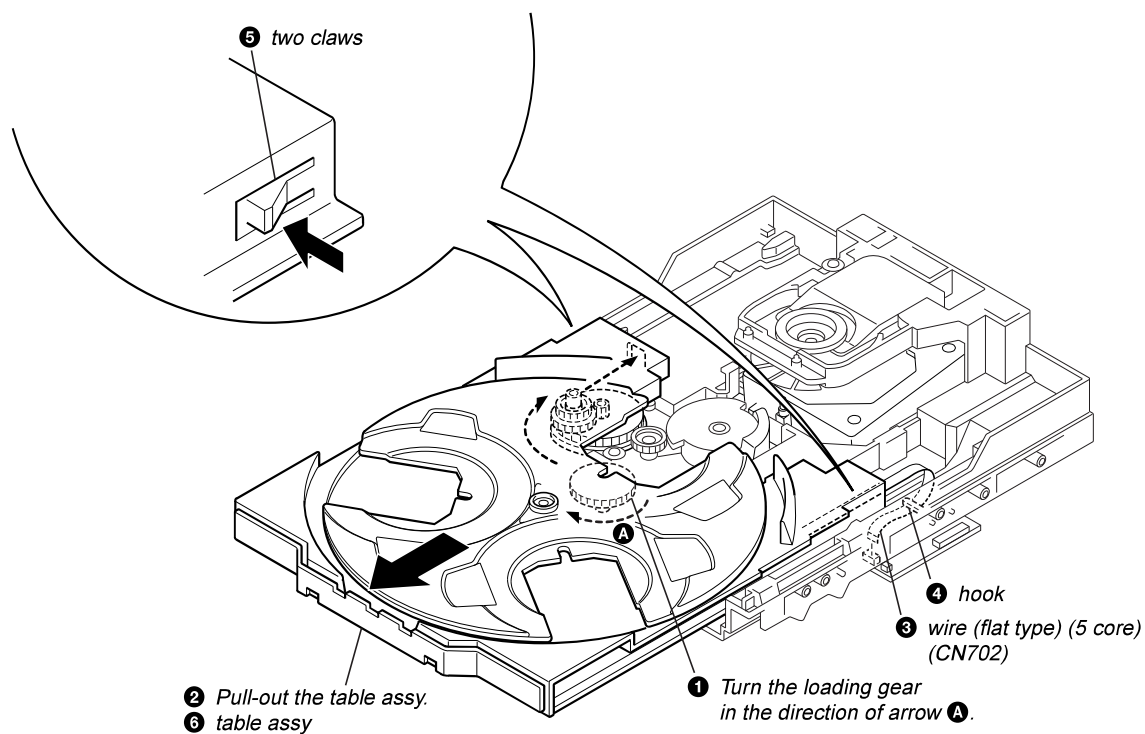
MX : Mexican model

SP : Singapore model

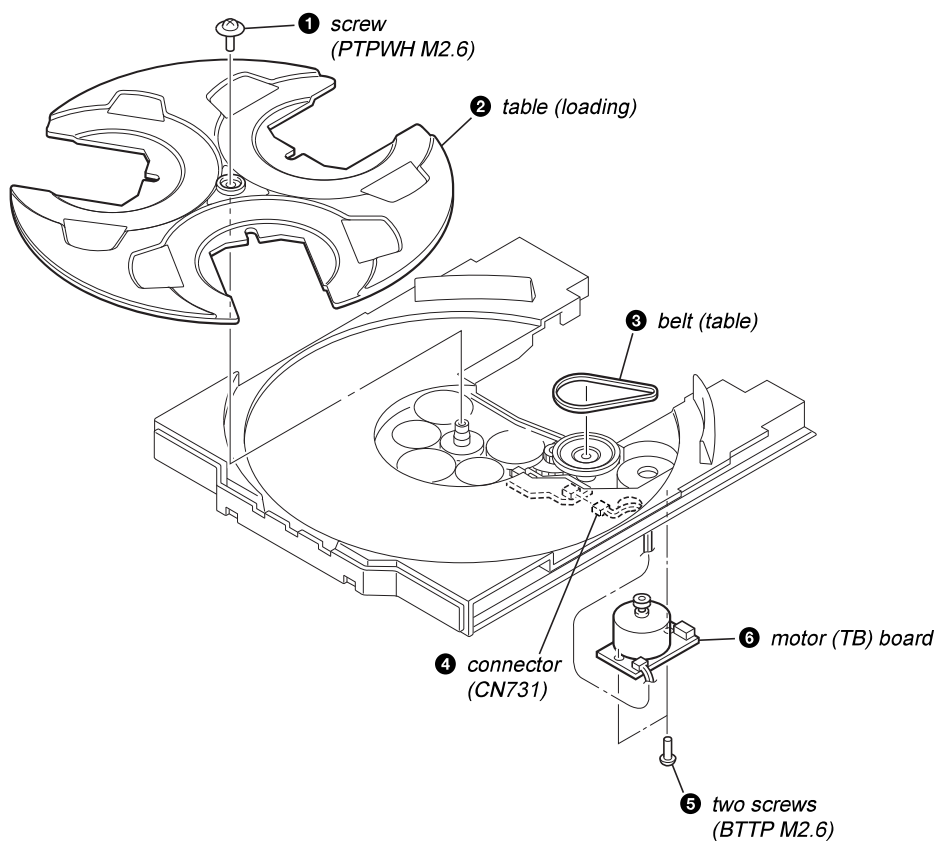
TW : Taiwan model



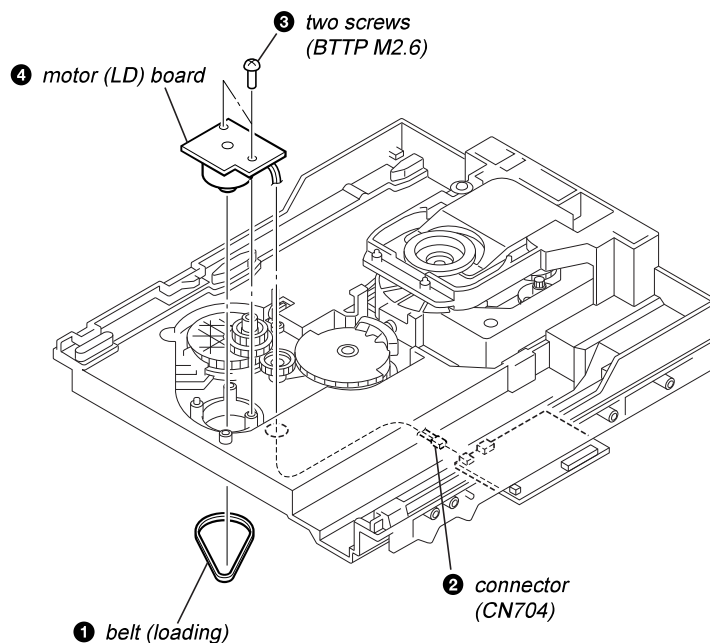
3-10. TABLE ASSY



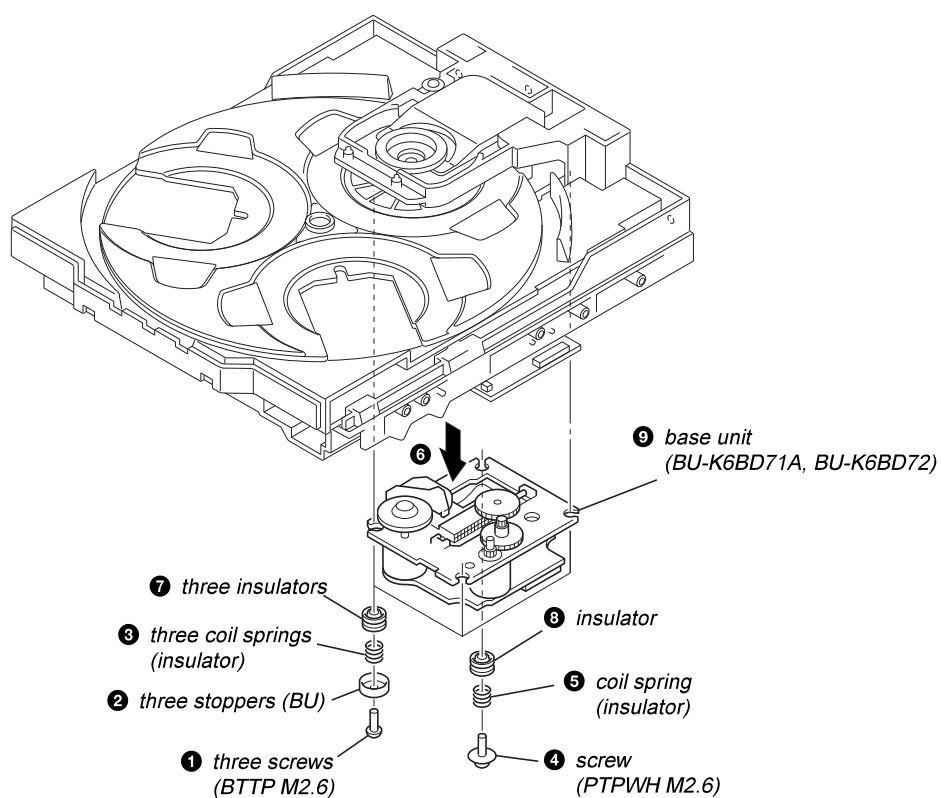
3-11. MOTOR (TB) BOARD



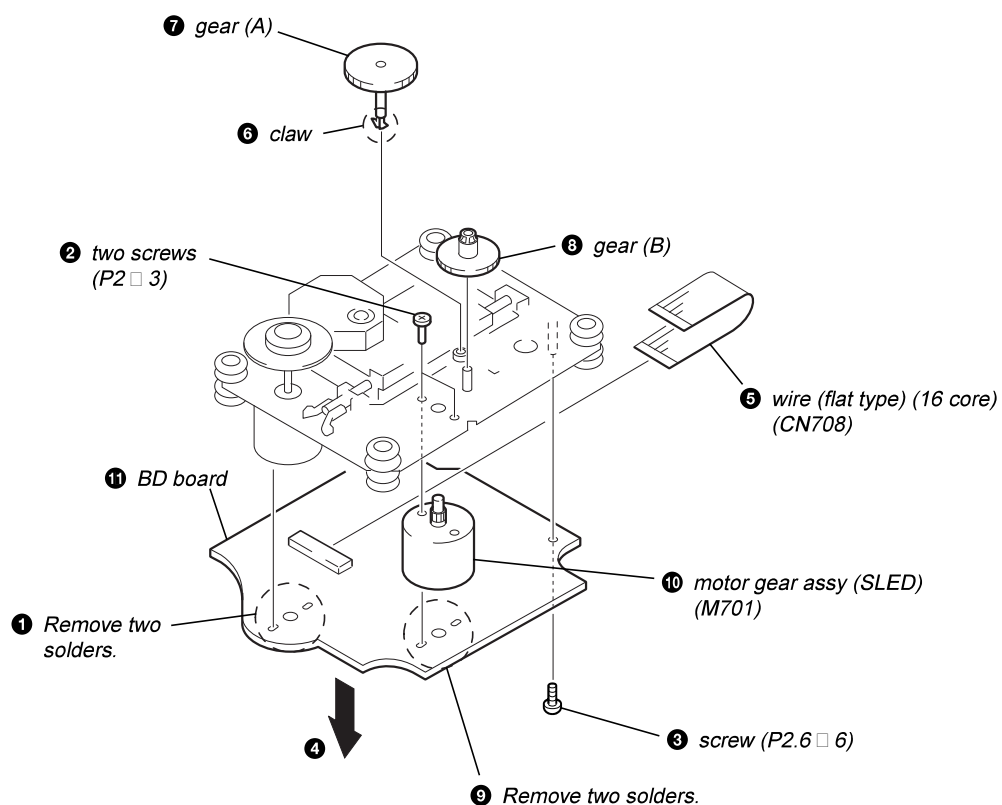
3-12. MOTOR (LD) BOARD



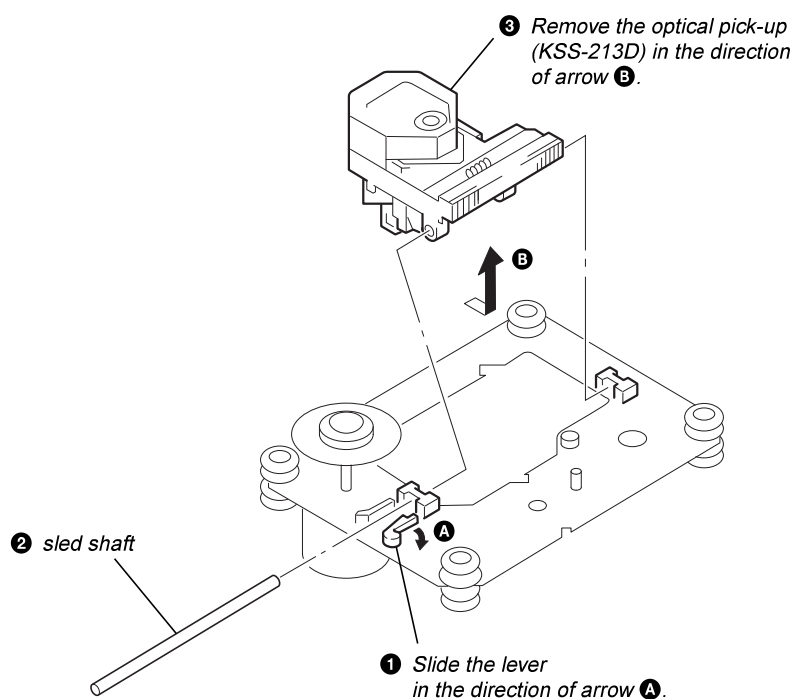
3-13. BASE UNIT (BU-K6BD71A, BU-K6BD72)



3-14. MOTOR GEAR ASSY (SLED) (M701), BD BOARD



3-15. OPTICAL PICK-UP (KSS-213D)



SECTION 4

TEST MODE

MC COLD RESET

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure:

1. In the standby status, while pressing the **[MUTE]** button, press the **[POWER]** button.
2. The set is reset, then becomes standby status.

GC TEST MODE

Procedure:

1. Press the **[POWER]** button to turn the power on.
2. While pressing the **[MUTE]** button, press the **[POWER]** button for 5 seconds.
3. It change displays in order of model type, version and suffix at 2 seconds interval, then the display is back to normal status.

AMP TEST MODE

Procedure:

1. In the status where AC plug is disconnected, while pressing the **[VIDEO/AUX]** button, connect the AC plug to turn the power on. Then enter the AMP test mode and display "AMP TEST".
2. If turn the **[VOLUME]** knob clockwise, it displays "VOLUME MAX", and if turn the knob counterclockwise, it displays "VOLUME 0".
3. If the **[TREBLE]** and **[BASS]** knobs are turned clockwise or counterclockwise, it change displays in order of "EQ MAX", "EQ MIN" and "EQ FLAT".
4. To release from this mode, disconnect the AC plug and turn the power off.

DISC TRAY LOCK

Procedure:

1. Press the **[POWER]** button to turn the power on.
2. While pressing the **[MUTE]** button, press the **[▲ OPEN/CLOSE]** button for 5 seconds.
3. The message "LOCKED" is displayed and the tray is locked. (Even if exiting from this mode, the tray is still locked)
4. To release this lock, while pressing the **[MUTE]** button, press the **[▲ OPEN/CLOSE]** button for 5 again.
5. The message "UNLOCKED" is displayed and the tray is unlocked.

CD REPEAT 5 LIMIT CANCEL MODE

- Number of repeat for CD playback is 5 times when the repeat mode is "REPEAT". This mode enables CD to repeat playback for limitless times.

Procedure:

1. Press the **[POWER]** button to turn the power on.
2. In the repeat on status, while pressing the **[MUTE]** button, press the **[CD]** button to enter the CD repeat 5 limit cancel mode and repeat mark blinks on the fluorescent indicator tube.
3. To release this mode, press the **[POWER]** button to turn the power off.

CHANGE-OVER OF AM TUNER STEP BETWEEN 9 kHz AND 10 kHz

(Except AEP, UK and CIS models)

- A step of AM channels can be changed over between 9 kHz and 10 kHz.

Procedure:

1. Press the **[POWER]** button to turn the power on.
2. While pressing the **[TUNER]** button, press the **[POWER]** button to the display on fluorescent indicator tube changes to "AM 530 kHz" (10 kHz step) or "AM 531 kHz" (9 kHz step), and thus the channel step is changed over.

FUNCTION CHANGE MODE

- Select either TV, VIDEO or AUX (MD) of the external function input.

Procedure:

1. Press the **[POWER]** button to turn the power on.
2. While pressing the **[VIDEO/AUX]** button, press the **[POWER]** button.
3. Each time this operation is operated, it change displays in order of "TV", "VIDEO" and "AUX".

CD TEST MODE

- This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pickup.

Procedure:

1. In the status where AC plug is disconnected, while pressing the CD button, connect the AC plug to turn the power on.
2. When enter this mode, it displays “CD TEST” and few seconds later, all segments turn on of the fluorescent indicator tube.
3. To release from this mode, disconnect the AC plug and turn the power off.

In this mode, it operates as following table.

Button	Operation	Purpose of use
▶▶	Move the pick-up to outside track	Sled circuit check
◀◀	Move the pick-up to inside track	Tracking circuit check Mechanism operation check Optical pick-up check
▶	Playback a CD If it cannot focus on, it continuous focus search	Servo block check
■	When playback a CD: stop playback When stop a CD: display “READING” (blink) continuous laser diode on continuous focus search (not made focus on)	APC circuit check Laser current measure Focus search waveform check Tracking balance check
	Pause, Tracking servo off (ignore CLV error)	

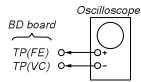
SECTION 5 ELECTRICAL ADJUSTMENTS

CD SECTION

Note:

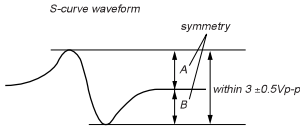
1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S-CURVE CHECK



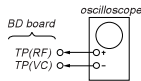
Procedure :

1. Connect an oscilloscope to TP (FE) and TP (VC).
2. Turn the power on.
3. Load a disc (YEDS-18) and actuate the focus search. (In consequence of open and close the disc tray, actuate the focus search)
4. Confirm that the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3 ± 0.5 Vp-p.



- Note:**
- Try to measure several times to make sure that the ratio of A : B or B : A is more than 10 : 7.
 - Take sweep time as long as possible and light up the brightness to obtain best waveform.

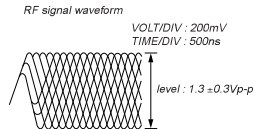
RF LEVEL CHECK



Procedure :

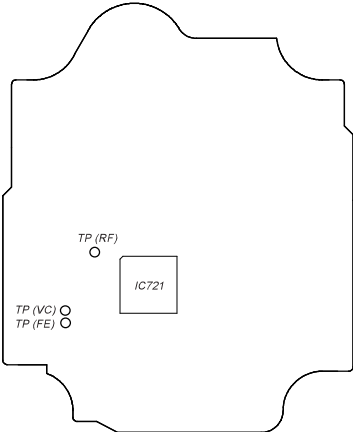
1. Connect an oscilloscope to TP (RF) and TP (VC).
2. Turn the power on.
3. Load a disc (YEDS-18) and playback.
4. Confirm that oscilloscope waveform is clear and check if RF signal level is correct or not.

Note: Clear RF signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.

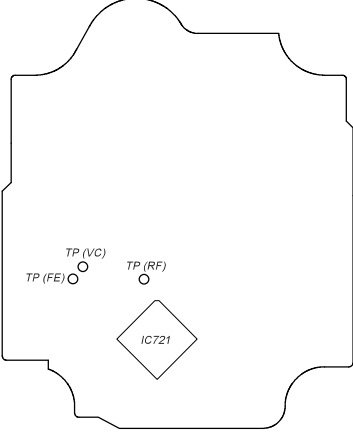


Connecting Location: BD board

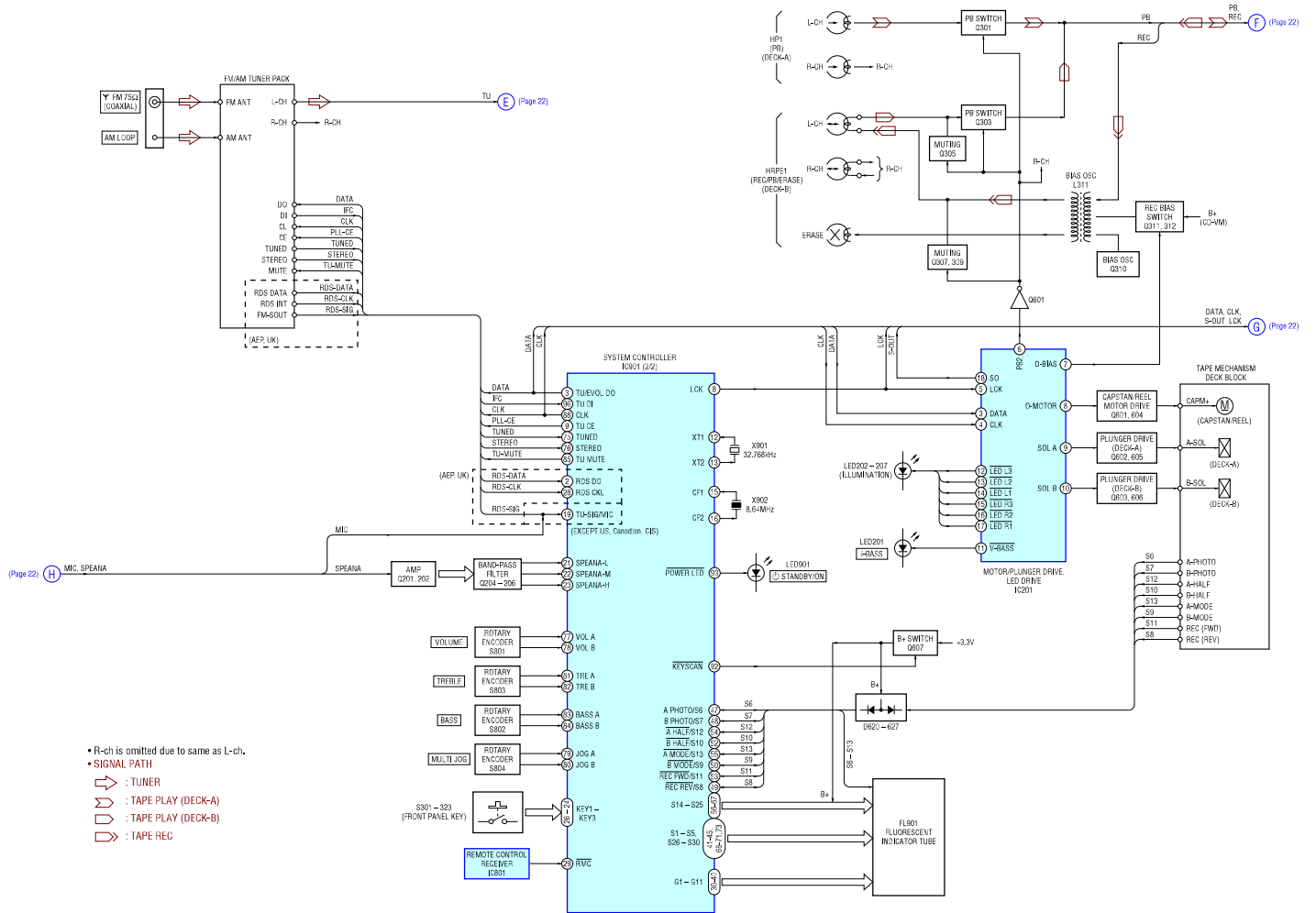
– BD Board (Conductor side) –
(AEP, UK, CIS, Chilean, Peruvian, Mexican models)



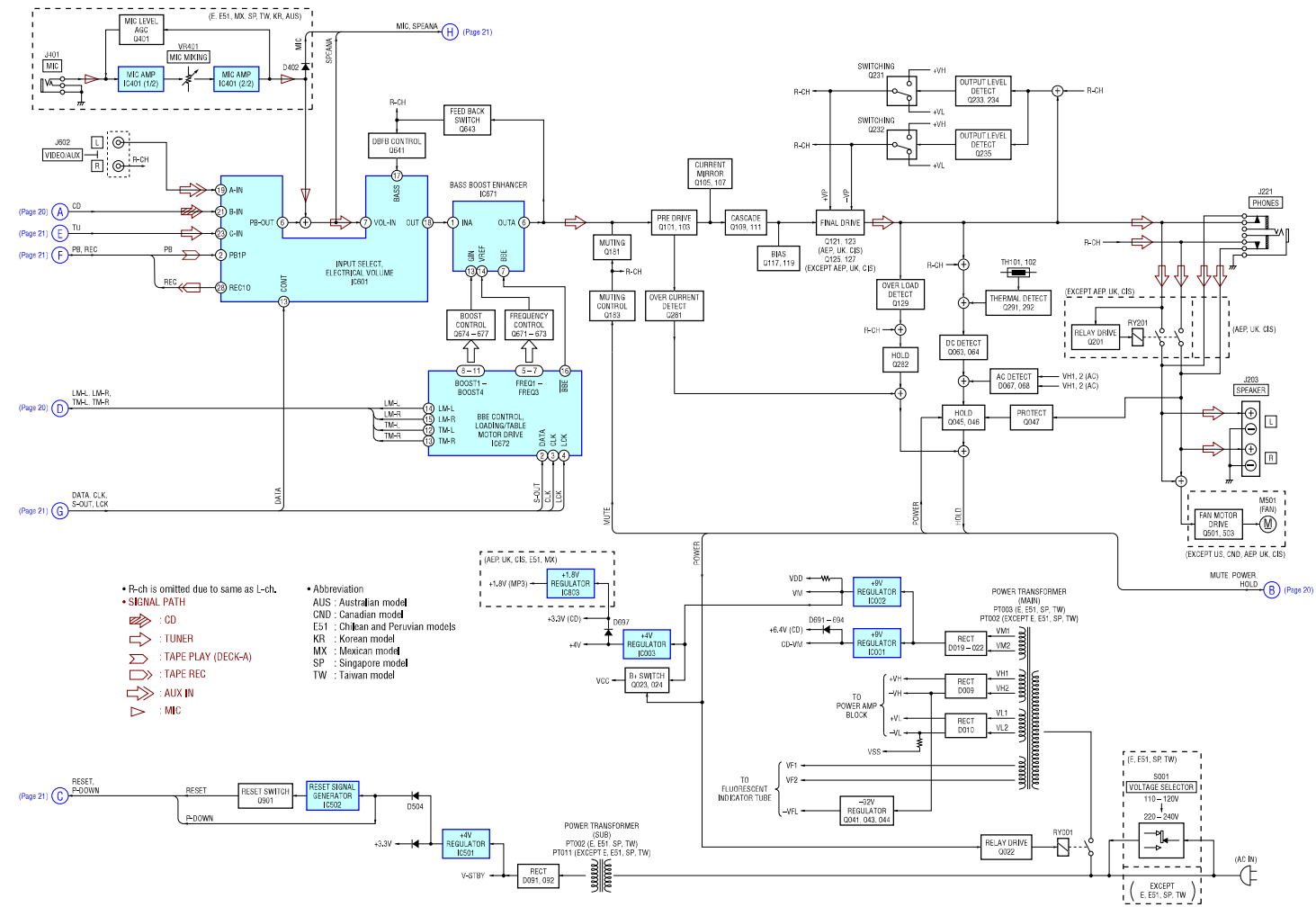
– BD Board (Conductor side) –
(US, Canadian, E, Singapore, Taiwan, Korean, Australian models)



6-2. BLOCK DIAGRAM – TUNER/TAPE/PANEL Section –



6-3. BLOCK DIAGRAM – AMP/POWER SUPPLY Section –



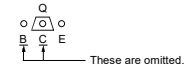
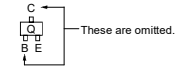
6-4. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

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

- Indication of transistor.



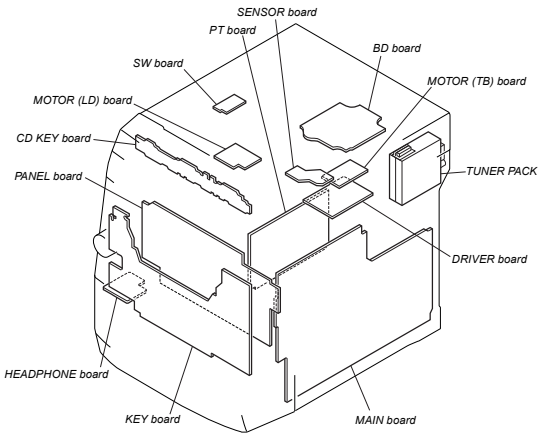
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : μF
50 WV or less are not indicated except for electrolytics
and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise
specified.
- Δ : internal component.
- $\square$: nonflammable resistor.
- $\square$: fusible resistor.
- $\square$: panel designation.

Note:
The components identified
by mark Δ or dotted
line with mark Δ are criti-
cal for safety.
Replace only with part
number specified.

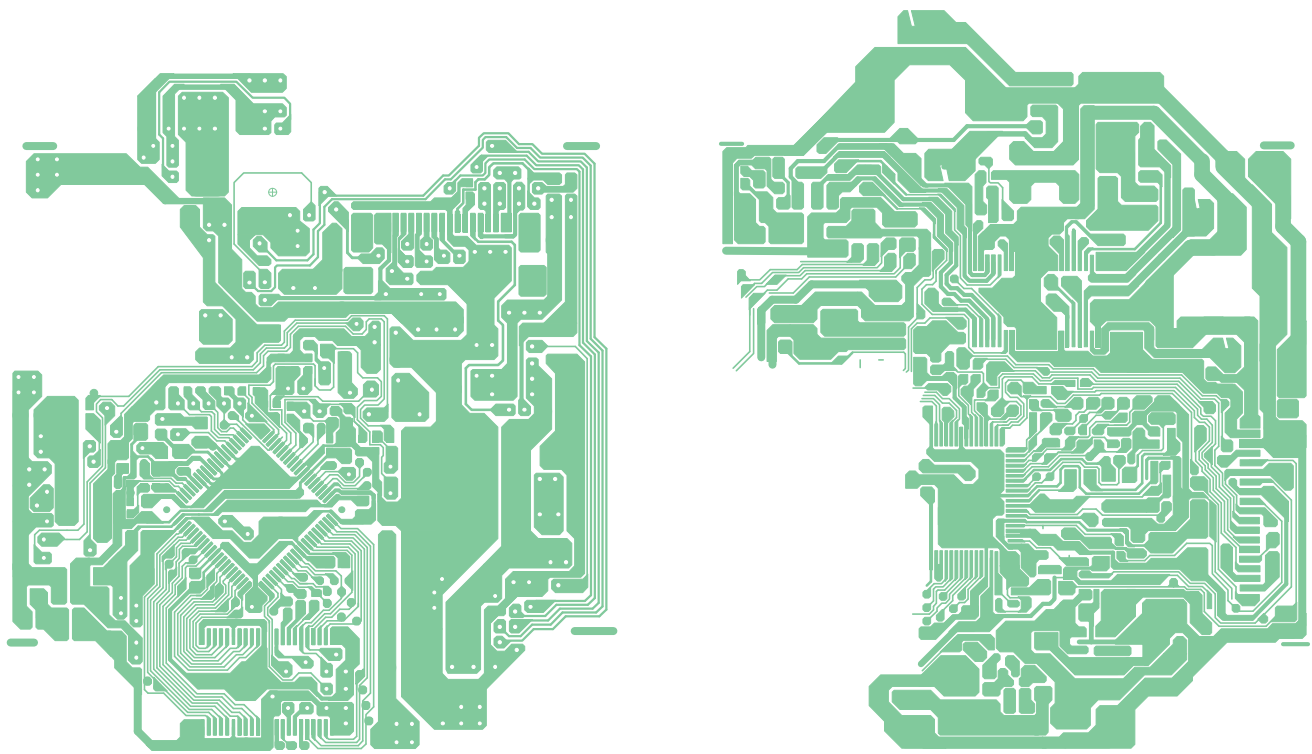
- --- : B+ Line.
- --- : B- Line.
- Voltages and waveforms are dc with respect to ground
under no-signal conditions.
 - BD Section –
 - no mark : CD PLAY
 - Other Sections –
 - no mark : FM
 - * : Impossible to measure
- Voltages are taken with a VOM (input impedance 10 M Ω).
Voltage variations may be noted due to normal produc-
tion tolerances.
- Waveforms are taken with an oscilloscope.
Voltage variations may be noted due to normal produc-
tion tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - $\rightarrow$: TUNER (FM/AM)
 - $\rightarrow$: TAPE PLAY (DECK A)
 - $\rightarrow$: TAPE PLAY (DECK B)
 - $\rightarrow$: REC
 - $\rightarrow$: CD PLAY
 - $\rightarrow$: AUX IN
 - $\rightarrow$: MIC INPUT
- Abbreviation
 - AUS : Australian model
 - CND : Canadian model
 - ES1 : Chilean and Peluvian models
 - KR : Korean model
 - MX : Mexican model
 - SP : Singapore model
 - TW : Taiwan model

Circuit Boards Location

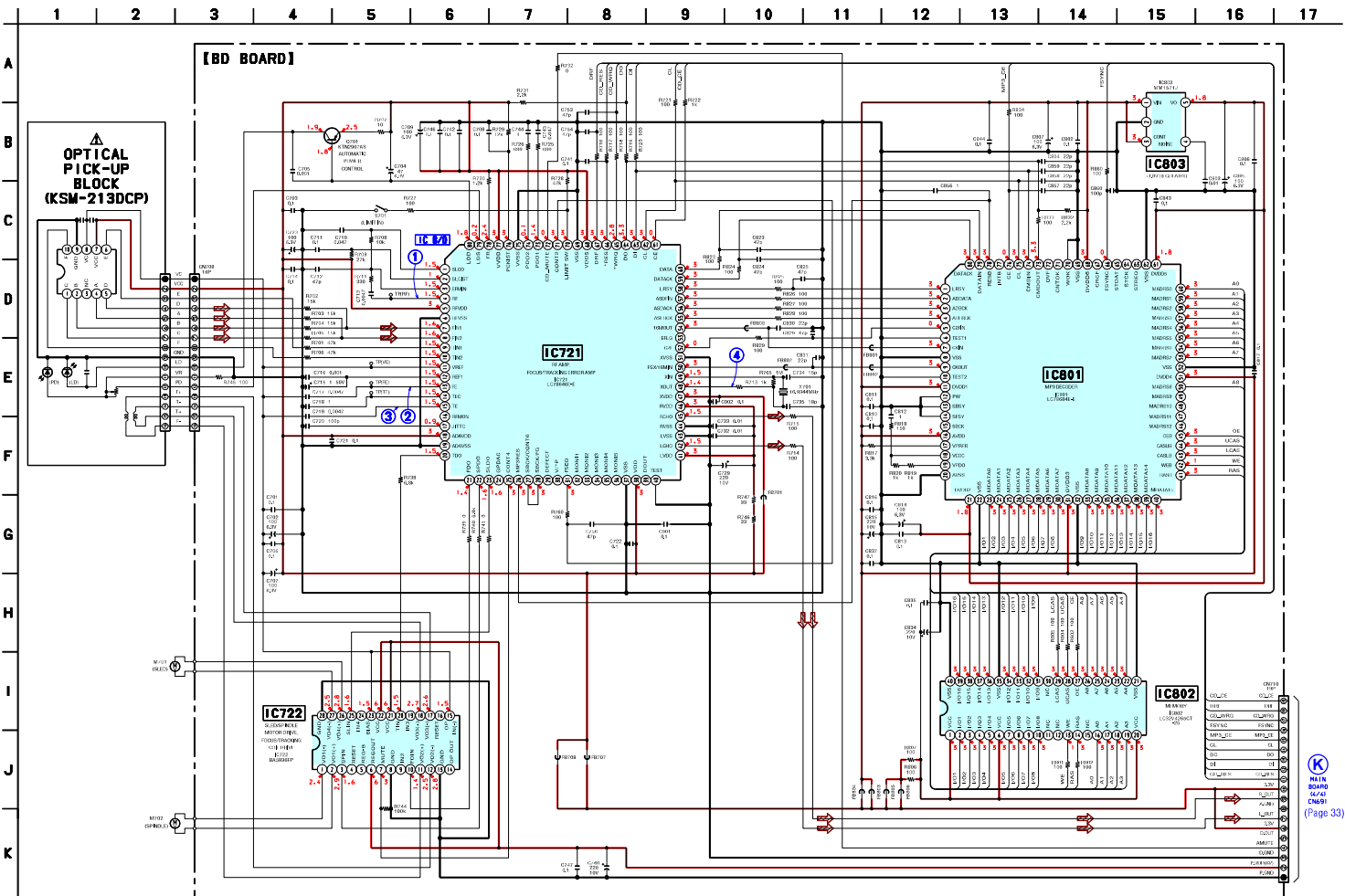


CX-JN5

6-5. PRINTED WIRING BOARD – BD Section – (AEP, UK, CIS, E51, MX) • See page 23 for Circuit Boards Location.  :Uses unleaded solder.



6-6. SCHEMATIC DIAGRAM – BD Section – (AEP, UK, CIS, E51, MX) • See page 44 for IC Block Diagrams. • See page 44 for Waveforms.

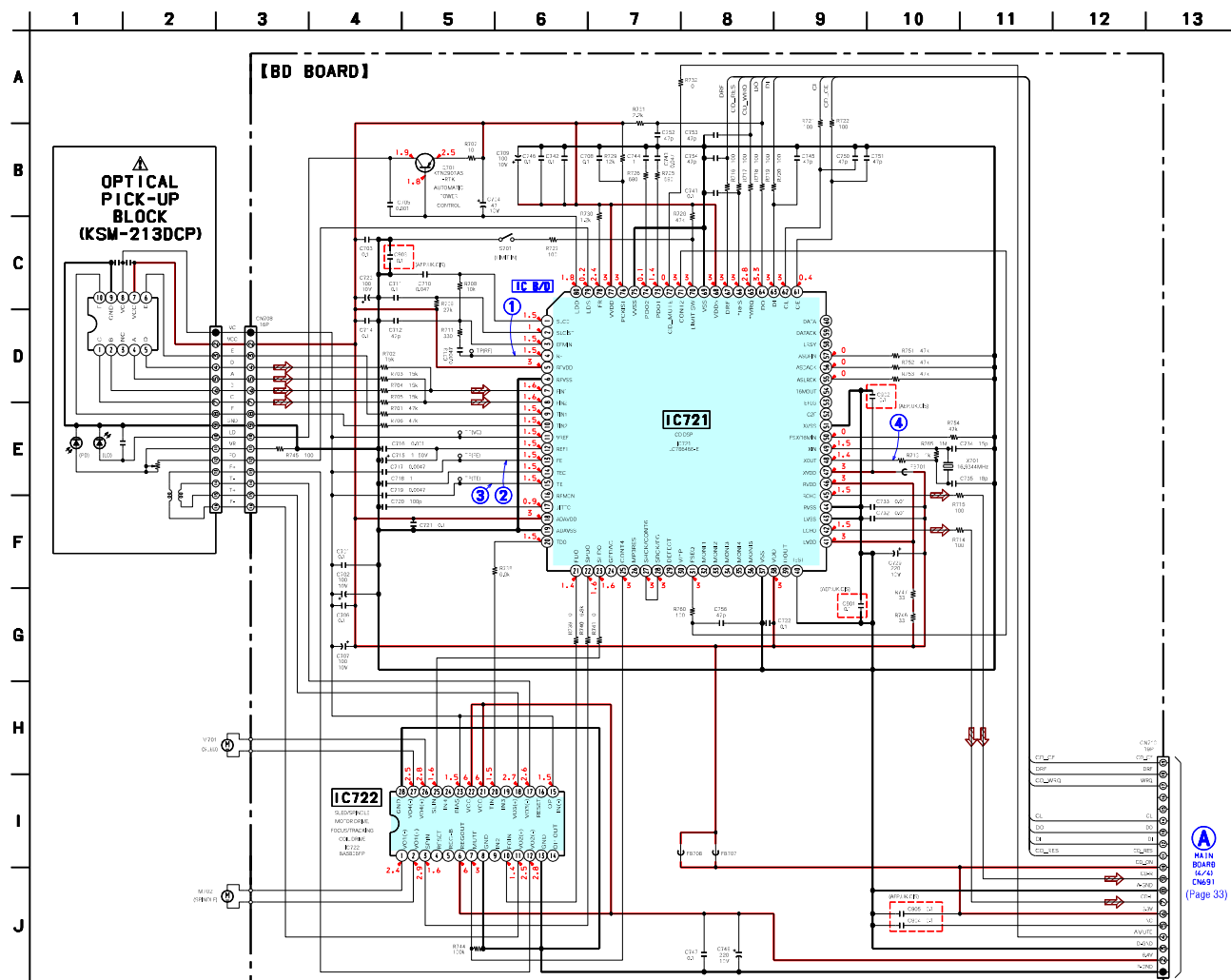


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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



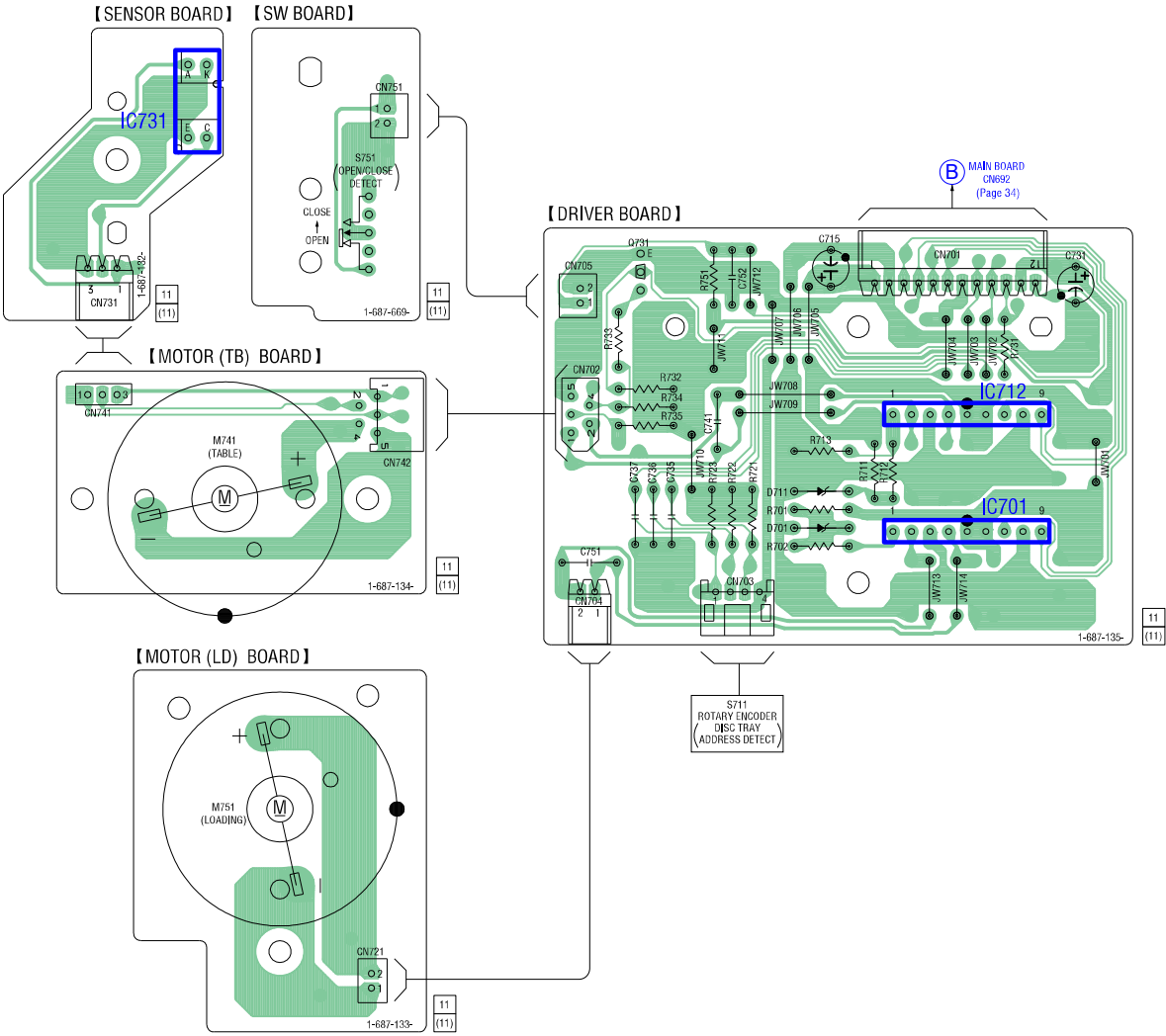
6-8. SCHEMATIC DIAGRAM – BD Section – (US, CND, E, SP, TW, KR, AUS) • See page 44 for IC Block Diagrams. • See page 44 for Waveforms.



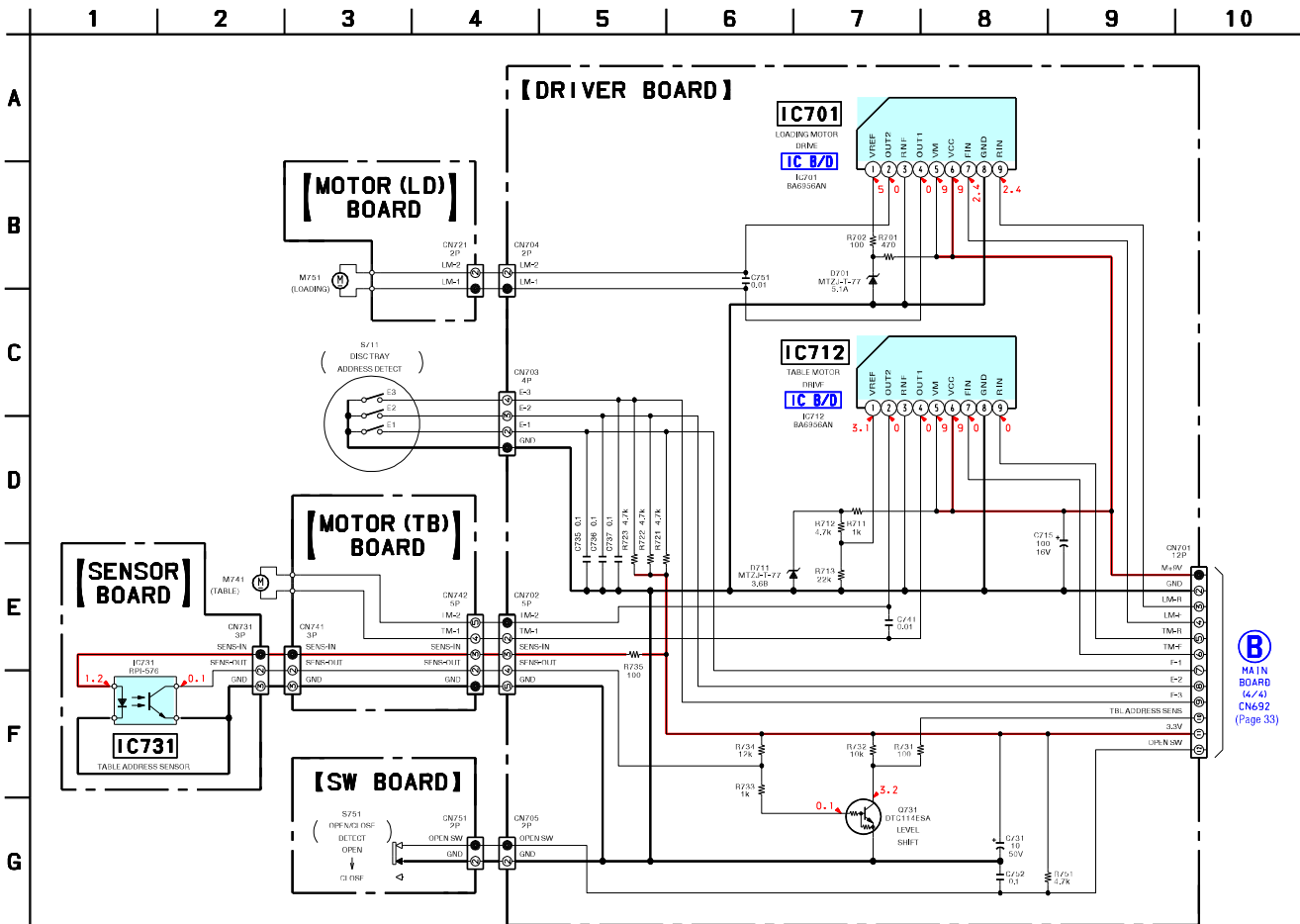
The components identified by mark  or dotted line with mark are critical for safety.
Replace only with part number specified.

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

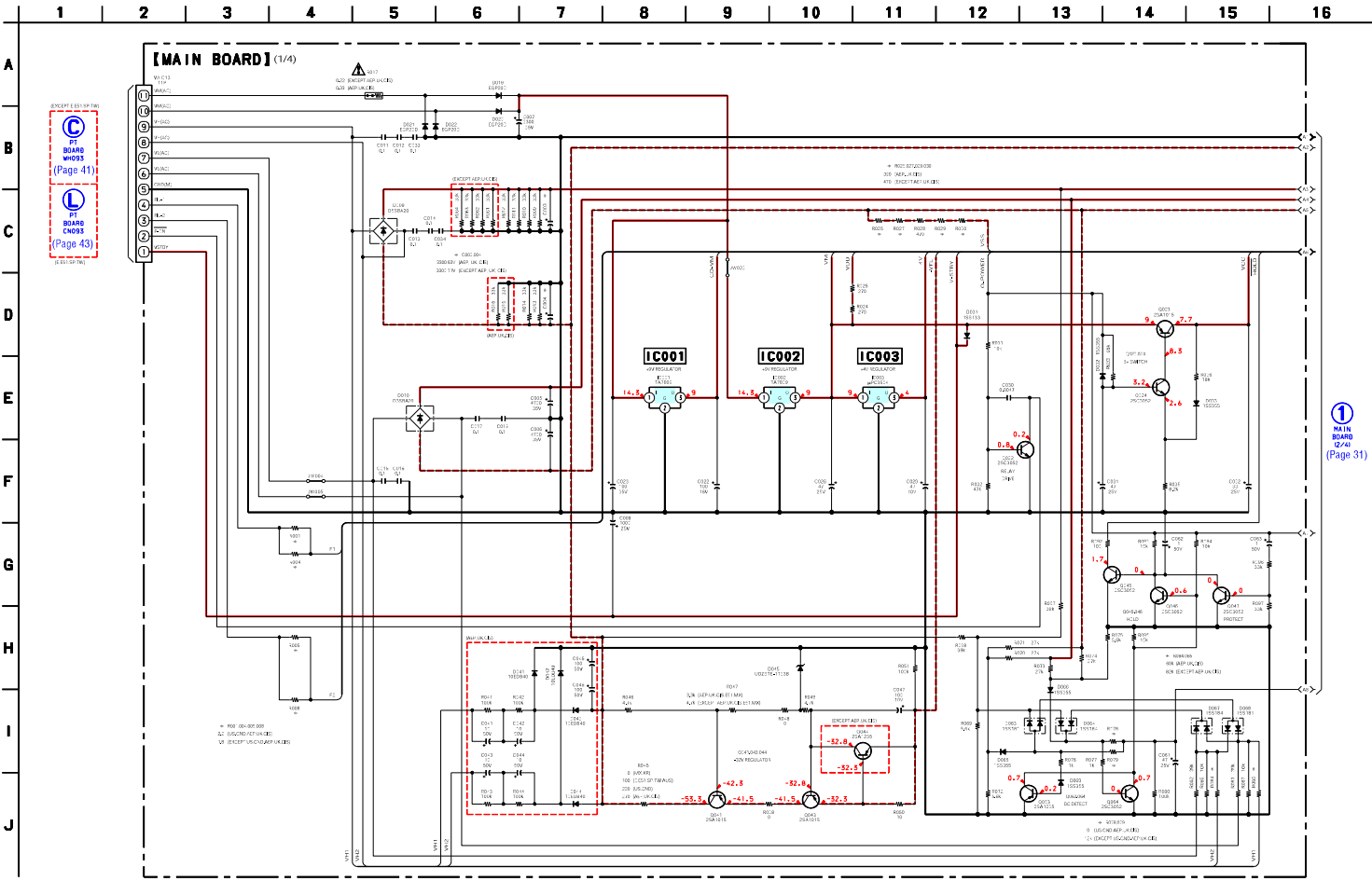
6-9. PRINTED WIRING BOARDS – CHANGER Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.



6-10. SCHEMATIC DIAGRAM – CHANGER Section – • See page 44 for IC Block Diagrams.



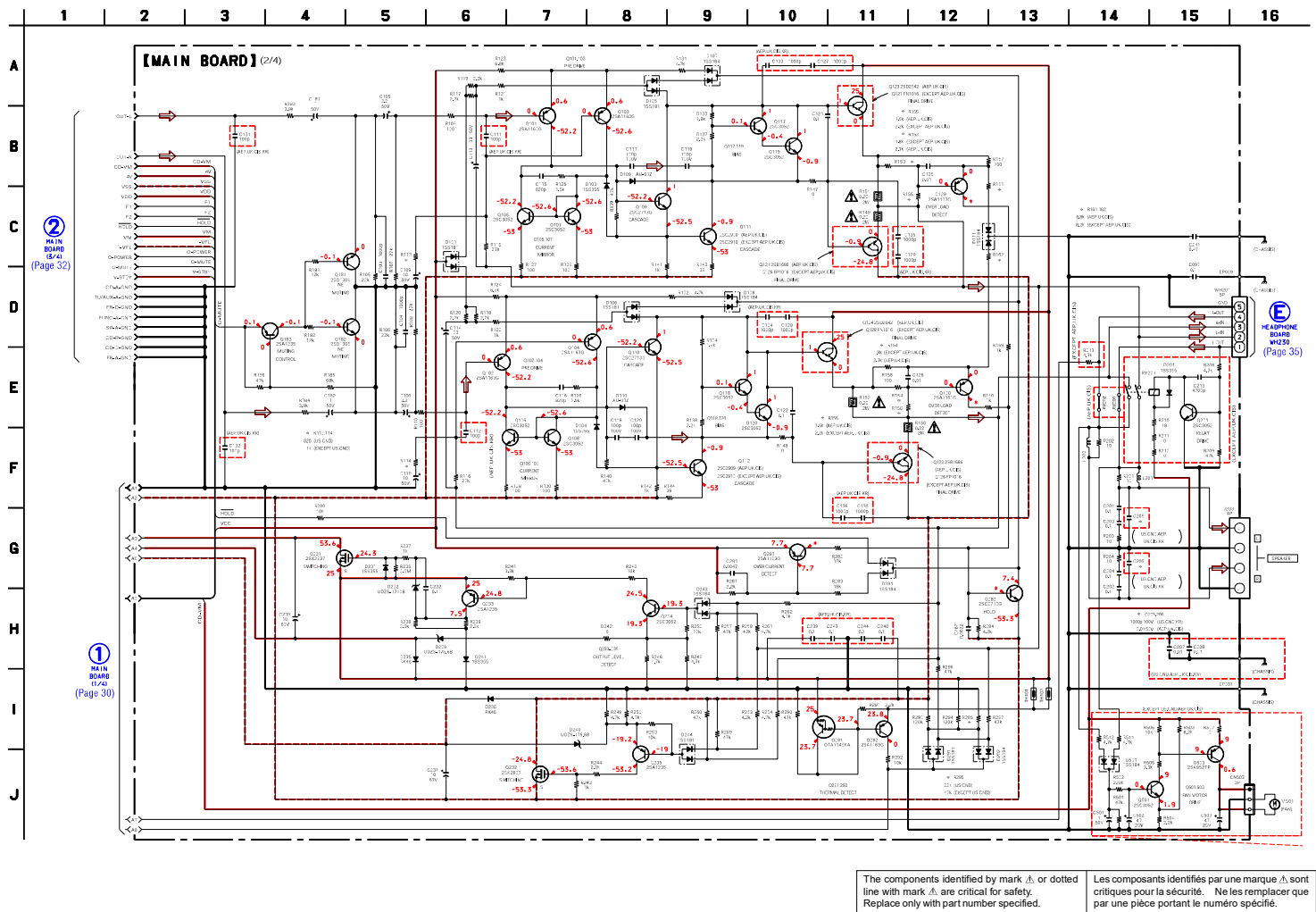
6-11. SCHEMATIC DIAGRAM – MAIN Section (1/4) –



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

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

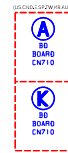
6-12. SCHEMATIC DIAGRAM – MAIN Section (2/4) –



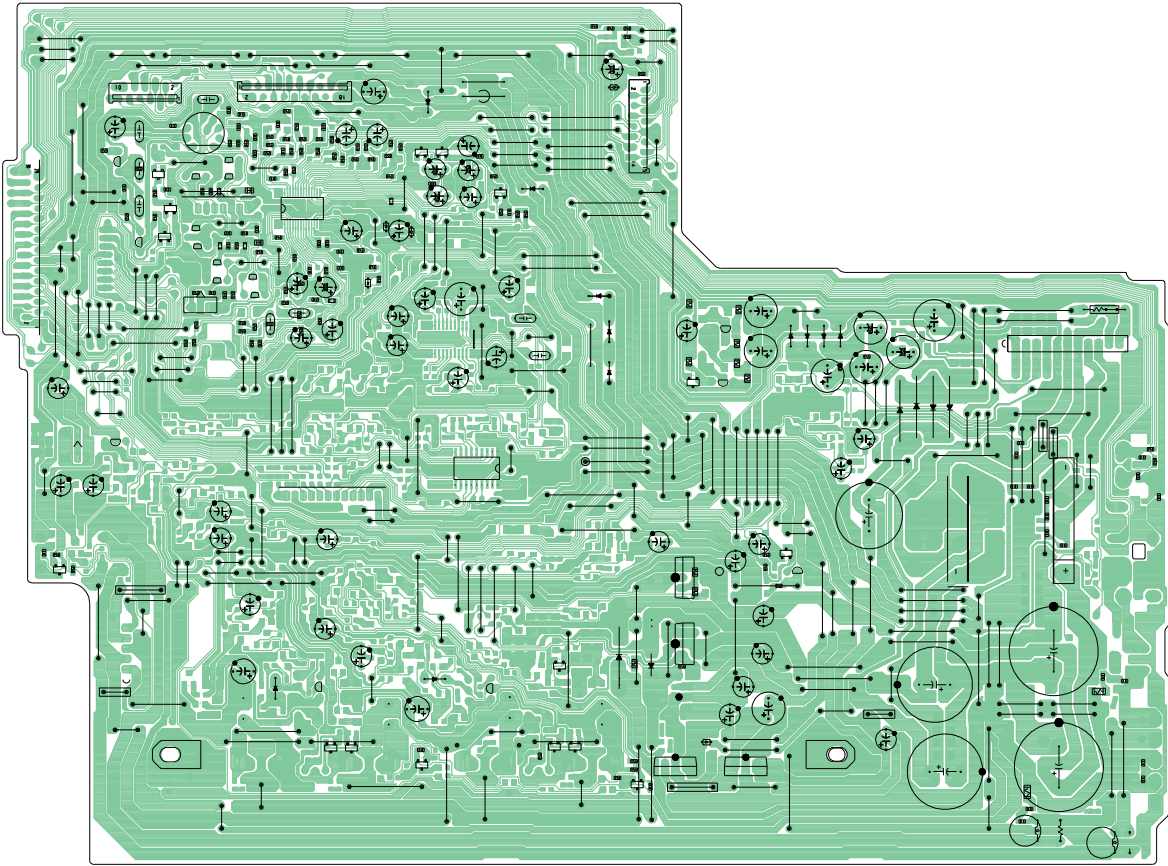


$\langle 0.2 \rangle$
 $\langle 0.4 \rangle$
 $\langle 0.5 \rangle$
 $\langle 0.9 \rangle$
 $\langle 0.7 \rangle$
 $\langle 0.8 \rangle$
 $\langle 0.9 \rangle$ 

$\langle \theta_{12} \rangle$ 
 $\langle \theta_{13} \rangle$
 $\langle \theta_{14} \rangle$ 
 $\langle \theta_{15} \rangle$

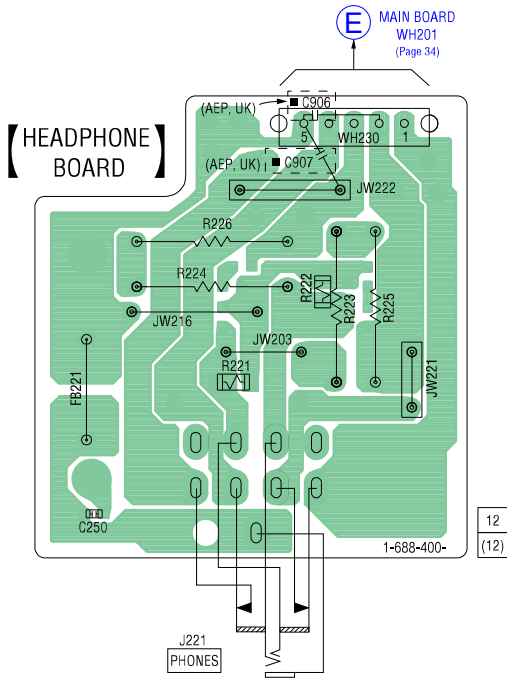


B
DRIVE
BOARD

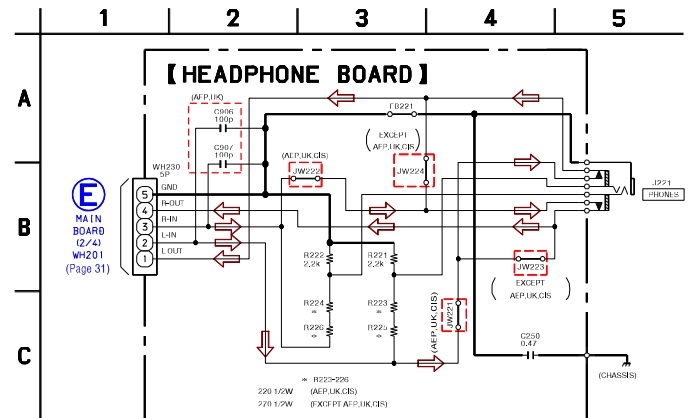


6-16. PRINTED WIRING BOARD – HP Section – • See page 23 for Circuit Boards Location.

 :Uses unleaded solder.



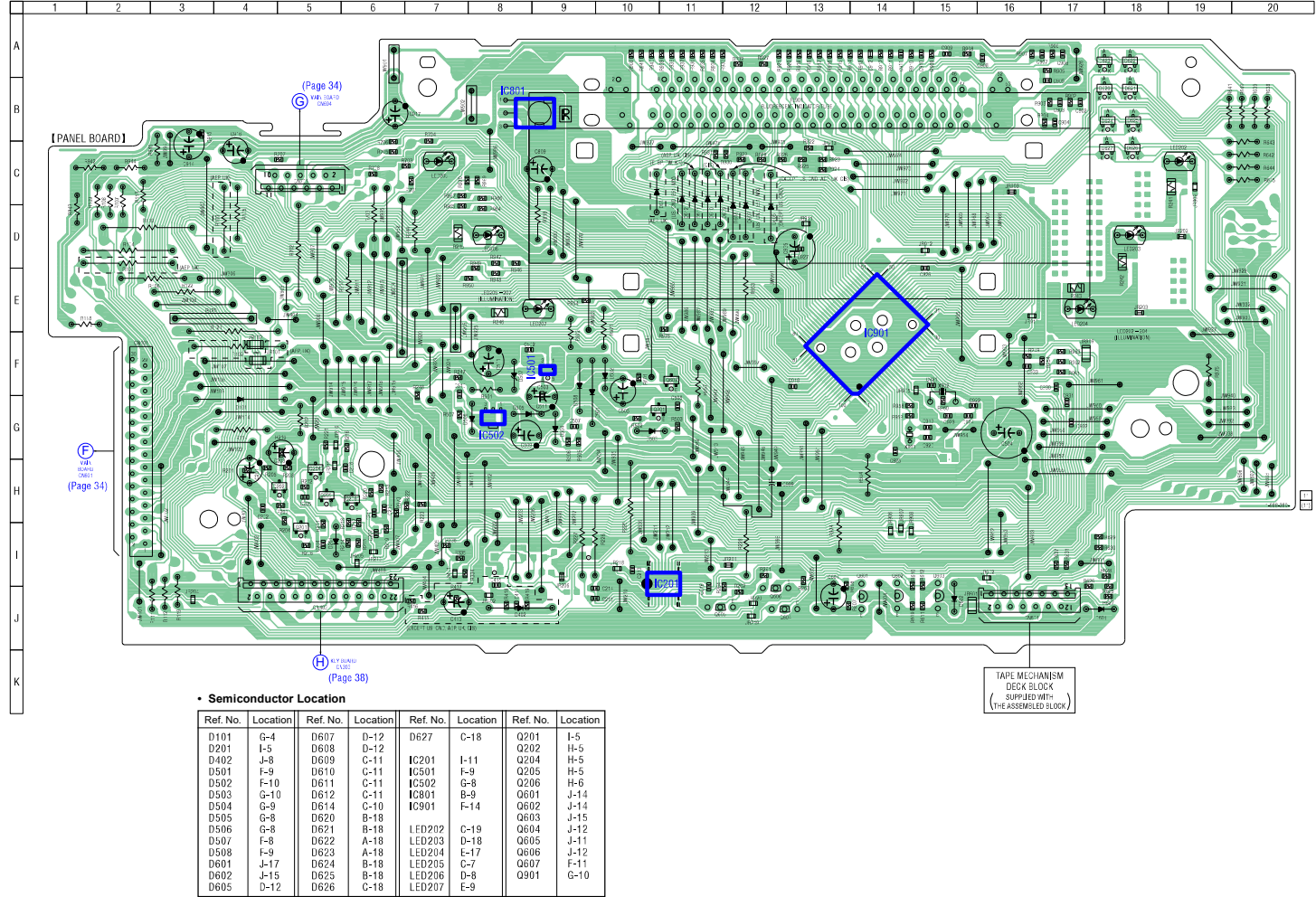
6-17. SCHEMATIC DIAGRAM – HP Section –



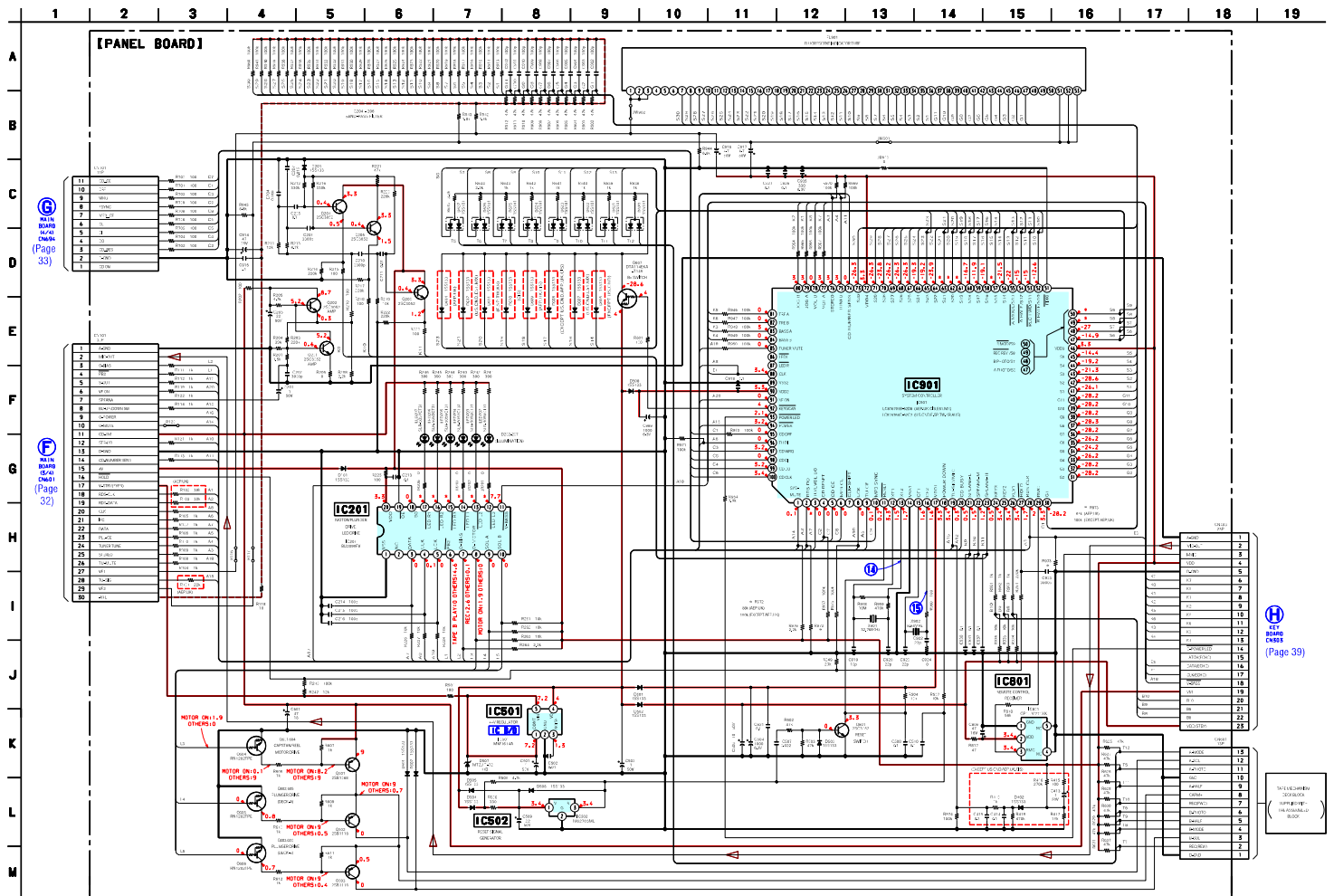
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D009	F-11	D101	F-4	D281	E-3	IC601	C-4	Q105	G-5	Q130	H-5	Q308	B-3
D010	F-10	D103	H-5	D291	F-4	IC671	D-5	Q106	G-4	Q181	F-4	Q309	B-3
D019	F-10	D104	G-4	D292	G-4	IC672	E-6	Q107	H-5	Q182	F-3	Q310	B-2
D020	E-10	D105	H-4	D301	B-3			Q108	G-4	Q183	E-3	Q311	C-2
D021	E-10	D106	H-3	D301	F-7	JW690	D-6	Q109	H-5	Q201	F-2	Q312	G-3
D022	E-10	D107	G-4	D661	C-5			Q110	H-4	Q231	G-8	Q501	F-2
Q031	H-8	D108	G-3	D662	C-5	Q022	D-10	Q111	G-6	Q232	F-8	Q503	F-2
Q032	F-8	D109	G-5	D663	C-5	Q023	F-9	Q112	G-4	Q233	G-6	Q601	C-5
Q033	F-8	D110	G-4	D671	F-6	Q024	F-9	Q117	H-6	Q234	G-6	Q641	B-5
Q041	D-9	D111	H-6	D691	D-7	Q041	D-8	Q118	H-4	Q235	G-7	Q642	B-3
Q042	D-9	D201	F-2	D692	D-7	Q043	D-8	Q119	H-7	Q281	E-3	Q643	C-6
Q043	D-9	D231	G-8	D693	D-7	Q044	D-8	Q120	H-4	Q282	F-3	Q671	E-6
Q044	D-9	D232	G-7	D694	C-6	Q045	E-9	Q121	H-6	Q291	F-4	Q672	E-6
Q045	D-8	D235	G-7	D695	F-4	Q046	E-9	Q122	H-4	Q292	G-5	Q673	E-6
Q063	F-7	D236	G-7	D697	B-5	Q047	E-9	Q123	H-7	Q301	C-3	Q674	E-5
Q064	F-7	D239	G-6	D698	F-4	Q063	F-7	Q124	H-5	Q302	D-3	Q675	E-4
Q065	F-6	D240	G-7	D801	B-7	Q064	F-7	Q125	H-6	Q303	C-3	Q676	E-4
Q066	F-6	D241	H-7			Q101	G-5	Q126	H-4	Q304	C-3	Q677	E-4
Q067	D-9	D242	G-6	IC001	H-8	Q102	G-4	Q127	H-7	Q305	C-3		
Q068	D-9	D243	G-6	IC002	H-8	Q103	G-5	Q128	H-5	Q306	G-3		
Q069	F-7	D244	F-5	IC003	G-8	Q104	G-3	Q129	H-7	Q307	B-3		

6-18. PRINTED WIRING BOARD – PANEL Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.



6-19. SCHEMATIC DIAGRAM – PANEL Section – • See page 44 for IC Block Diagram. • See page 44 for Waveforms.



[CD KEY BOARD]

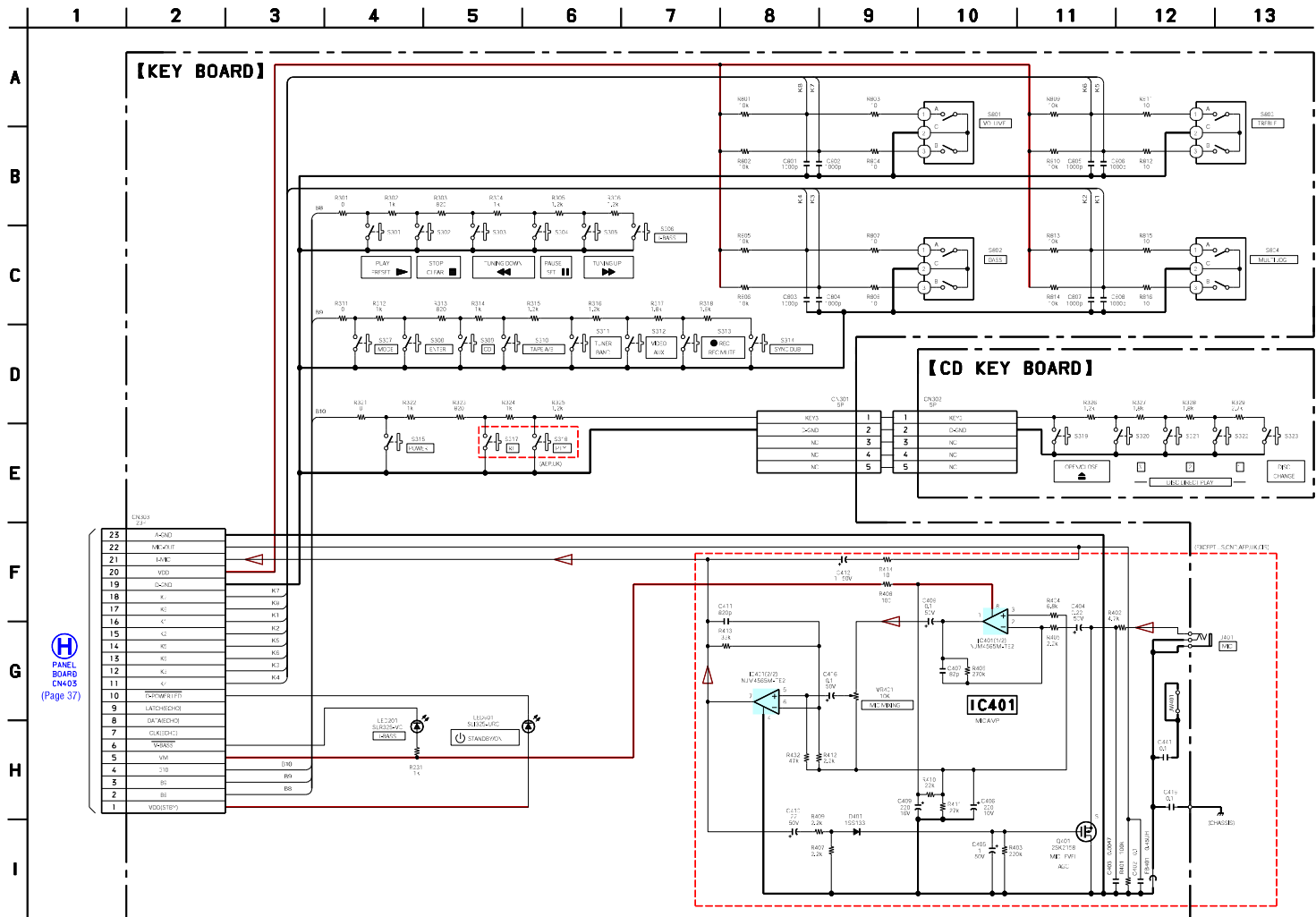
S319 OPEN/OFF
S320 3
S321 2
S322 1
DISC CHANGE

DISC DIRECT PLAY

CX302

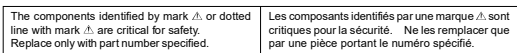
11
111

6-21. SCHEMATIC DIAGRAM – KEY Section –





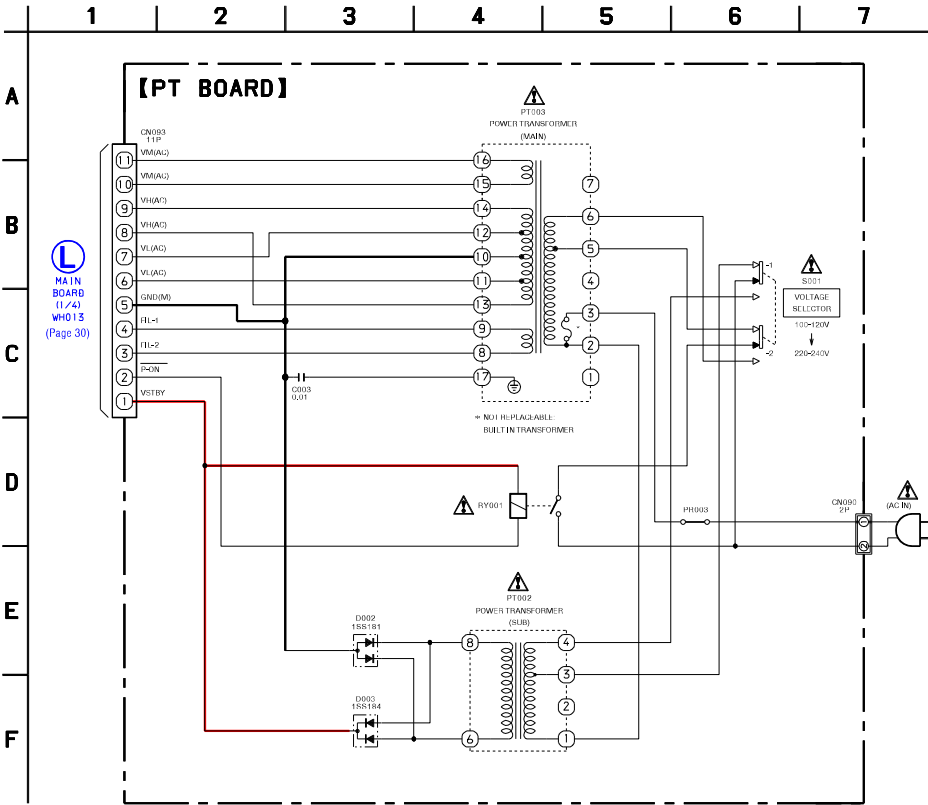
6-23. SCHEMATIC DIAGRAM – PT Section – (EXCEPT E, E51, SP, TW)



CX-JN5

6-24. PRINTED WIRING BOARD – PT Section – (E, E51, SP, TW) • See page 23 for Circuit Boards Location.  :Uses unleaded solder.

6-25. SCHEMATIC DIAGRAM – PT Section – (E, E51, SP, TW)



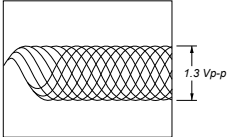
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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

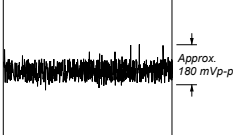
CX-JN5

Waveforms
BD Board

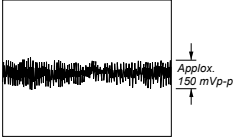
IC721 (RF) (CD Play Mode)



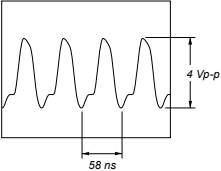
IC721 (TE) (CD Play Mode)



IC721 (TE) (CD Play Mode)

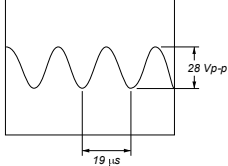


IC721 (XOUT)

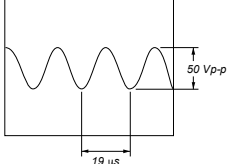


MAIN Board

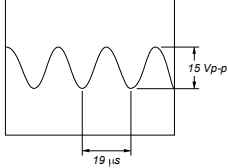
L311 (REC Mode)



L311 (REC Mode)

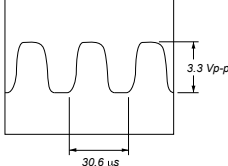


Q310 Collector (REC Mode)

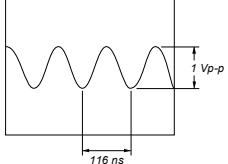


PANEL Board

IC901 (XT2)

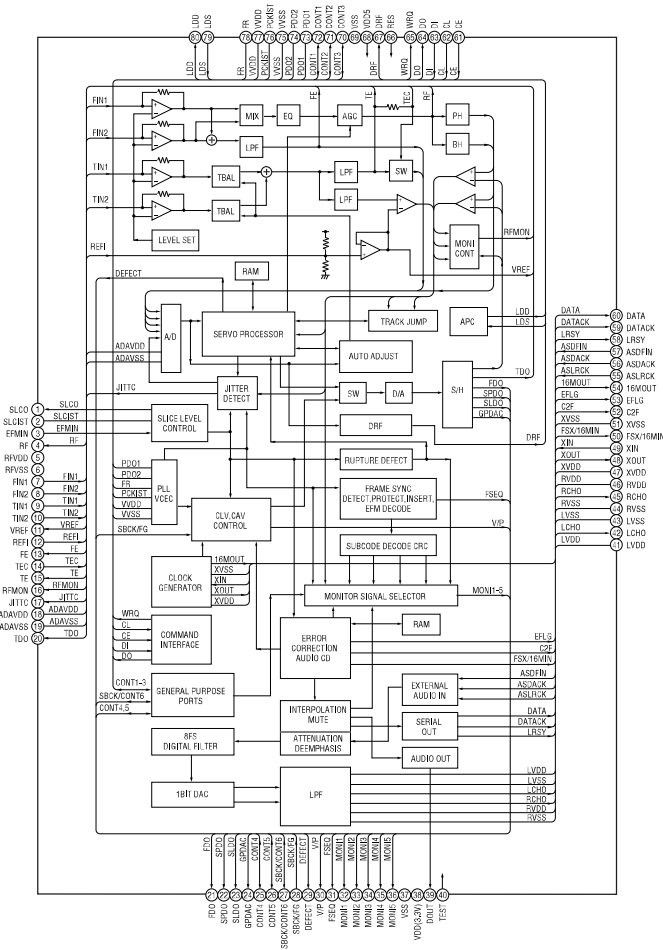


IC901 (CF2)



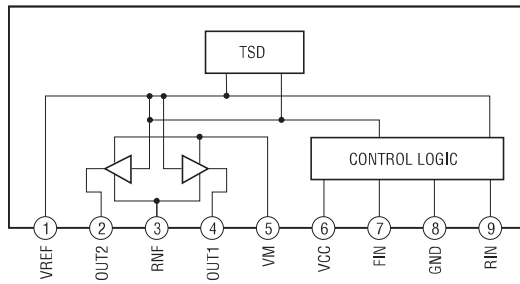
IC Block Diagrams
BD Board

IC721 LC78646E-E



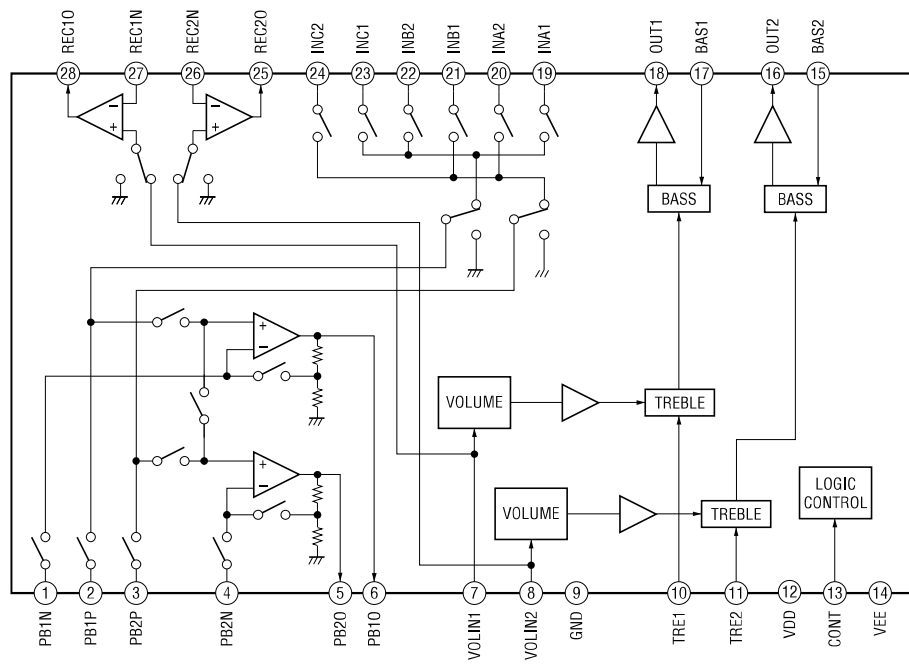
– DRIVER Board –

IC701, 712 BA6956AN

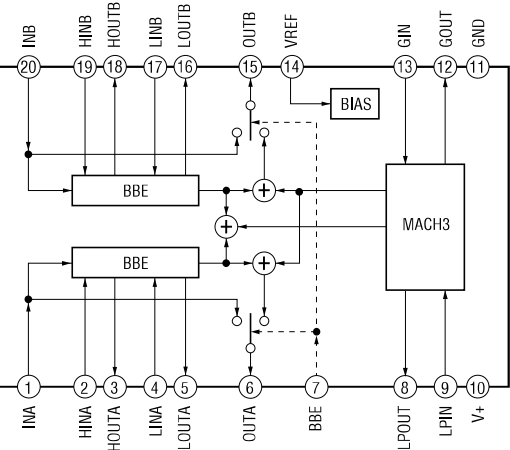


– MAIN Board –

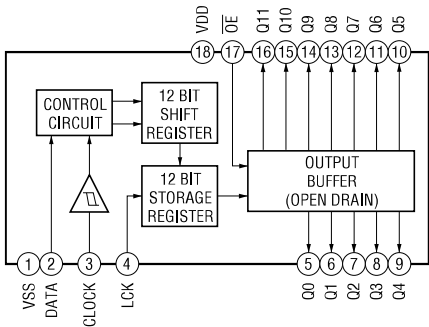
IC601 BD3881FV



IC671 NJM2156M (TE2)

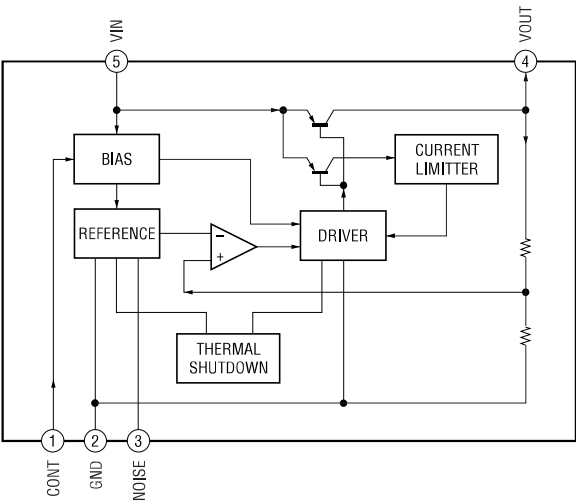


IC672 BU2092F-E2



– PANEL Board –

IC501 MM1614A



6-26. IC PIN FUNCTION DESCRIPTION**• PANEL BOARD IC901 (SYSTEM CONTROLLER)****LC876764C-52C7 (US, Canadian, E, Singapore, Taiwan, Korean, Australian models),****LC876796B-52D8 (AEP, UK, CIS, Chilean, Peruvian, Mexican models)**

Pin No.	Pin Name	I/O	Description
1	SYS-MUTE	O	Line muting on/off control signal output terminal
2	RDS DO	I	RDS serial data input from the FM/AM tuner unit
3	TU/EVOL DO	O	Serial data output to the FM/AM tuner unit, motor/plunger driver and electrical volume
4	CD RESET	O	Reset signal output to the CD DSP
5	CD CE	O	Chip enable signal output to the CD DSP
6	MP3 CE	O	Chip enable signal output to the MP3 decoder (AEP, UK, CIS, Chilean, Peruvian and Mexican models)
7	CLK-SHIFT	O	Shift clock signal output terminal Not used
8	LCK	O	Latch clock signal output to the motor/plunger driver
9	TU CE	O	Chip enable signal output to the FM/AM tuner unit
10	MP3 SYNC	I	SYNC signal input from the MP3 decoder (AEP, UK, CIS, Chilean, Peruvian and Mexican models)
11	RESET	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
12	XT1	I	System clock input terminal (32.768 kHz)
13	XT2	O	System clock output terminal (32.768 kHz)
14	VSS1	—	Ground terminal
15	CF1	I	System clock input terminal (8.64 MHz)
16	CF2	O	System clock output terminal (8.64 MHz)
17	VDD1	—	Power supply terminal (+3.3V)
18	POWER DOWN	I	Power down detection signal input terminal
19	TU-SIG/MIC	I	RDS signal input (AEP and UK models) and MIC signal input (except US, Canadian, AEP, UK, CIS models) terminal
20	CD BUSY	I	Optical pick-up up/down detection and tray open/close detection signal input terminal
21	SPEANA-L	I	Spectrum analyzer drive signal input terminal (low band)
22	SPEANA-M	I	Spectrum analyzer drive signal input terminal (middle band)
23	SPEANA-H	I	Spectrum analyzer drive signal input terminal (high band)
24	KEY3	I	Front panel key input terminal (A/D input)
25	KEY2	I	Front panel key input terminal (A/D input)
26	KEY1	I	Front panel key input terminal (A/D input)
27	HOLD	I	System malfunction signal (hold signal) input from the power amplifier circuit
28	RDS CLK	I	RDS serial data transfer clock signal input from the tuner unit
29	RMC	I	Remote control signal input terminal
30 to 40	G1 to G11	O	Grid drive signal output to the fluorescent indicator tube
41 to 45	S1 to S5	O	Segment drive signal output to the fluorescent indicator tube
46	VDD3	—	Power supply terminal (+3.3V)
47	A PHOTO/S6	I/O	Deck-A tape reel rotating detection signal input and segment drive signal output to the fluorescent indicator tube
48	B PHOTO/S7	I/O	Deck-B tape reel rotating detection signal input and segment drive signal output to the fluorescent indicator tube
49	REC REV/S8	I/O	Recording (reverse direction) detection signal input and segment drive signal output to the fluorescent indicator tube
50	B MODE/S9	I/O	Deck-B mode detection signal input and segment drive signal output to the fluorescent indicator tube

Pin No.	Pin Name	I/O	Description
51	<u>FIX0</u>	I/O	Not used
52	<u>B HALF/S10</u>	I/O	Deck-B cassette detection signal input and segment drive signal output to the fluorescent indicator tube
53	<u>REC FWD/S11</u>	I/O	Recording (forward direction) detection signal input and segment drive signal output to the fluorescent indicator tube
54	<u>A HALF/S12</u>	I/O	Deck-A cassette detection signal input and segment drive signal output to the fluorescent indicator tube
55	<u>A MODE/S13</u>	I/O	Deck-A mode detection signal input and segment drive signal output to the fluorescent indicator tube
56 to 67	S14 to S25	O	Segment drive signal output to the fluorescent indicator tube
68 to 71	S26 to S29	O	Segment drive signal output to the fluorescent indicator tube
72	VDD4	—	Power supply terminal (+3.3V)
73	S30	O	Segment drive signal output to the fluorescent indicator tube
74	CD NUMBER SENS	I	CD table address detection signal input terminal
75	TUNED	I	Tuning detection signal input from the tuner unit
76	STEREO	I	FM stereo detection signal input from the tuner unit
77	VOL A	I	Jog dial pulse input terminal (VOLUME)
78	VOL B	I	Jog dial pulse input terminal (VOLUME)
79	JOG A	I	Jog dial pulse input terminal (JOG)
80	JOG B	I	Jog dial pulse input terminal (JOG)
81	TRE A	I	Jog dial pulse input terminal (TREBLE)
82	TRE B	I	Jog dial pulse input terminal (TREBLE)
83	BASS A	I	Jog dial pulse input terminal (BASS)
84	BASS B	I	Jog dial pulse input terminal (BASS)
85	TUNER MUTE	O	Tuner muting on/off control signal output terminal
86	<u>LED L</u>	O	LED drive signal output terminal
87	<u>LED R</u>	O	LED drive signal output terminal
88	CLK	O	Serial data transfer clock signal output to the FM/AM tuner unit, motor/plunger driver and BBE controller
89	VSS2	—	Ground terminal
90	VDD2	—	Power supply terminal (+3.3V)
91	VF ON	O	Not used
92	<u>KEYSCAN</u>	O	Scan signal output for switches in the tape deck section and segment drive signal (S14 to S25)
93	<u>POWER LED</u>	O	LED drive signal output terminal
94	<u>POWER</u>	O	Power on/off control signal output terminal
95	CD DRF	I	Focus on detection signal input from the CD DSP
96	TU DI	I	Serial data input from the FM/AM tuner unit
97	CD WRQ	I	Interrupt request signal input from the CD DSP
98	CD DI	I	Serial data input from the CD DSP
99	CD DO	O	Serial data output to the CD DSP
100	CD CLK	O	Serial data transfer clock signal output to the CD DSP

SECTION 7 EXPLODED VIEWS

NOTE:

- XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts

Example:

KNOB, BALANCE (WHITE) . . . (RED)

Parts Color Cabinet's Color

- Abbreviation

AUS : Australian model

KR : Koream model

SP : Singapore model

CND : Canadian model

MX : Mexican model

TW : Taiwan model

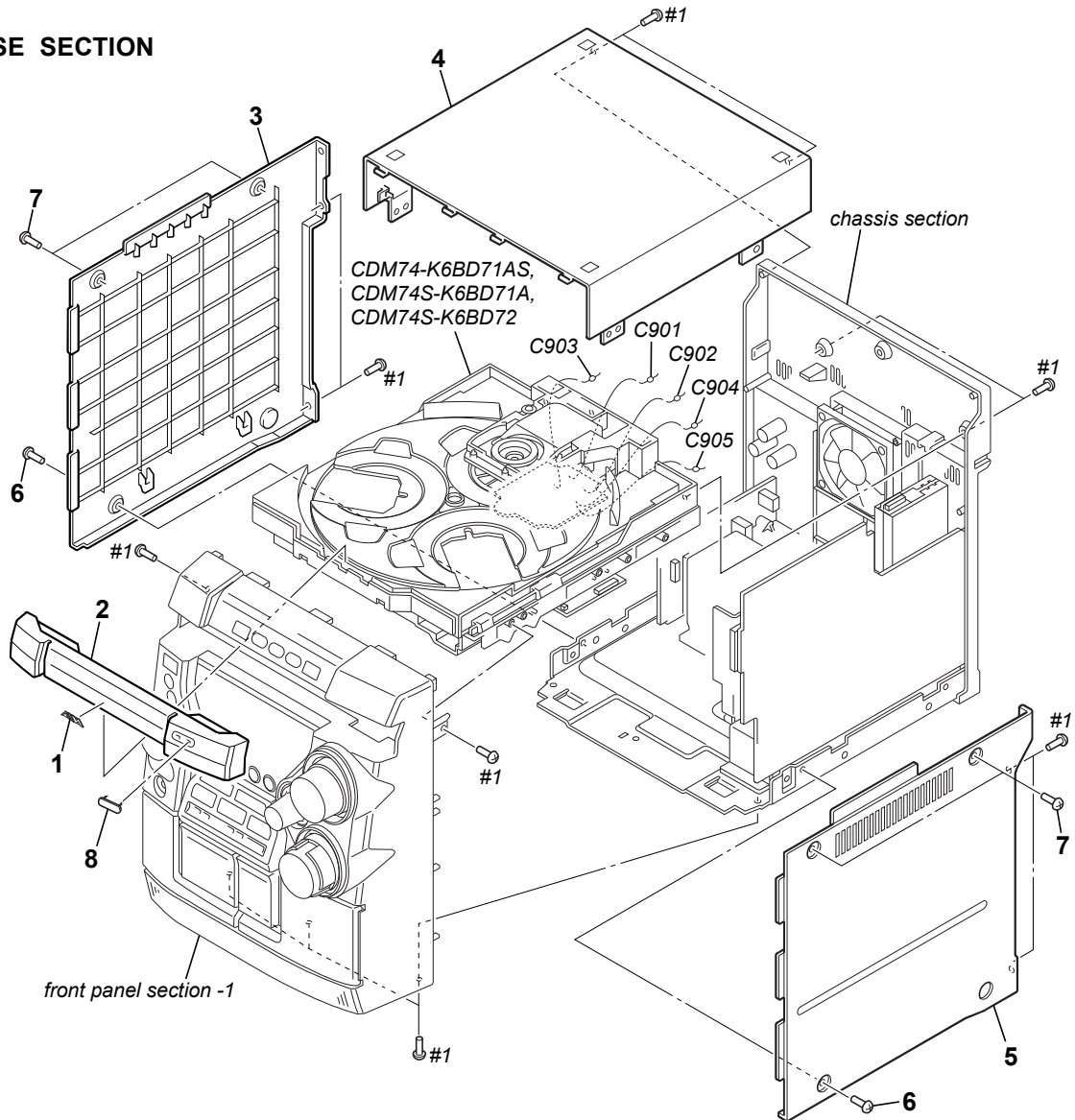
E51 : Chilean and Peruvian models

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories and packing materials are given in the last of the electrical parts list.

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

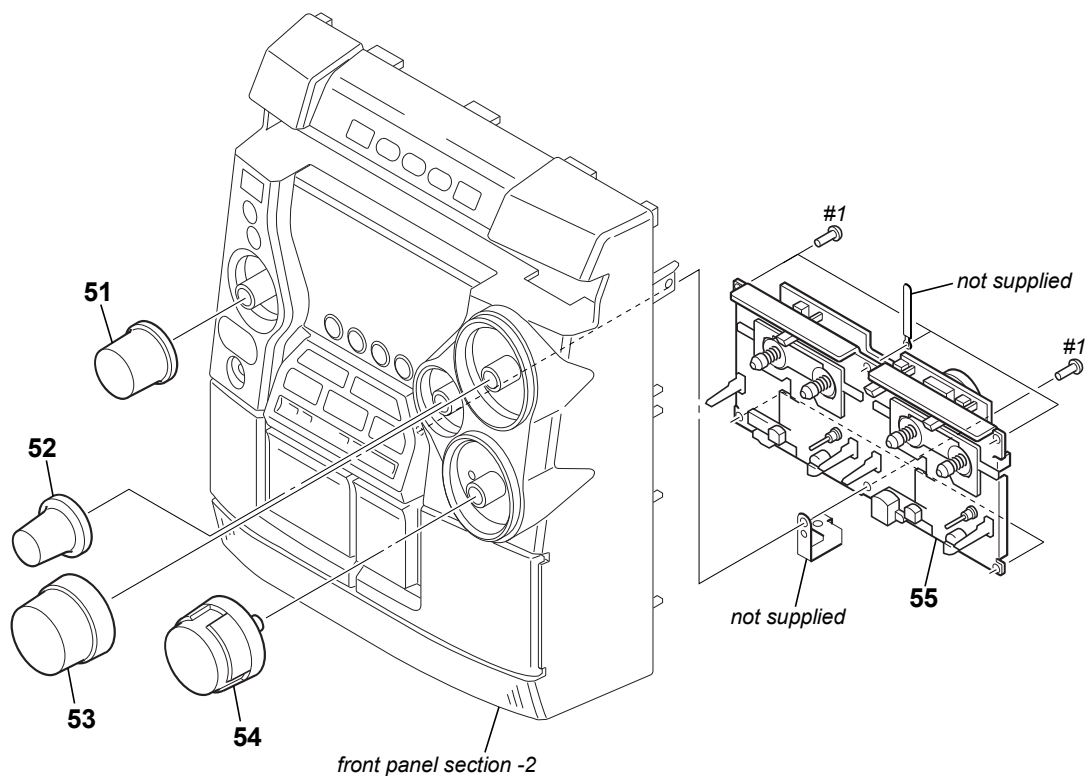
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CASE SECTION



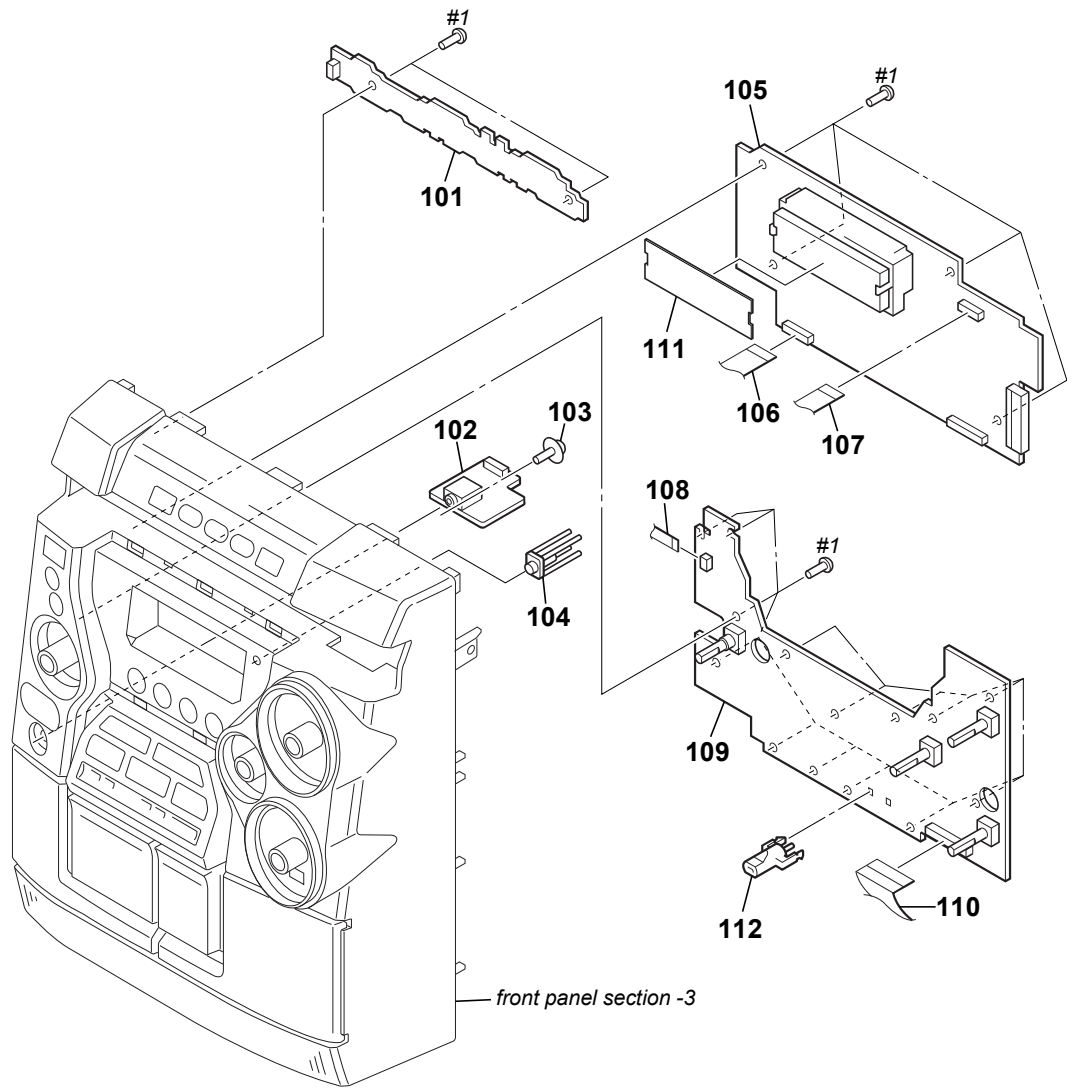
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-245-158-01	EMBLEM		7	3-363-099-41	SCREW (CASE 3 TP2)	
2	4-245-186-01	PANEL, TRAY (US, CND, E, SP, TW, KR, AUS)		8	4-246-682-01	EMBLEM (30), MP3 (AEP, UK, CIS, E51, MX)	
2	4-245-186-11	PANEL, TRAY (AEP, UK, CIS, E51, MX)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
3	4-245-183-01	CASE (SIDE-L) (US, CND)		C901	1-127-888-11	CERAMIC 0.1uF 10% 50V	
3	4-245-183-11	CASE (SIDE-L) (EXCEPT US, CND)		C902	1-127-888-11	CERAMIC 0.1uF 10% 50V	
4	4-244-849-21	CASE (TOP) (US, CND)		C903	1-127-888-11	CERAMIC 0.1uF 10% 50V	
4	4-244-849-31	CASE (TOP) (EXCEPT US, CND)				(US, CND, E, SP, TW, KR, AUS)	
5	4-245-184-01	CASE (SIDE-R) (US, CND)		C904	1-127-888-11	CERAMIC 0.1uF 10% 50V	
5	4-245-184-11	CASE (SIDE-R) (EXCEPT US, CND)				(US, CND, E, SP, TW, KR, AUS)	
6	3-363-099-01	SCREW (CASE 3 TP2)		C905	1-127-888-11	CERAMIC 0.1uF 10% 50V	
						(US, CND, E, SP, TW, KR, AUS)	

7-2. FRONT PANEL SECTION-1



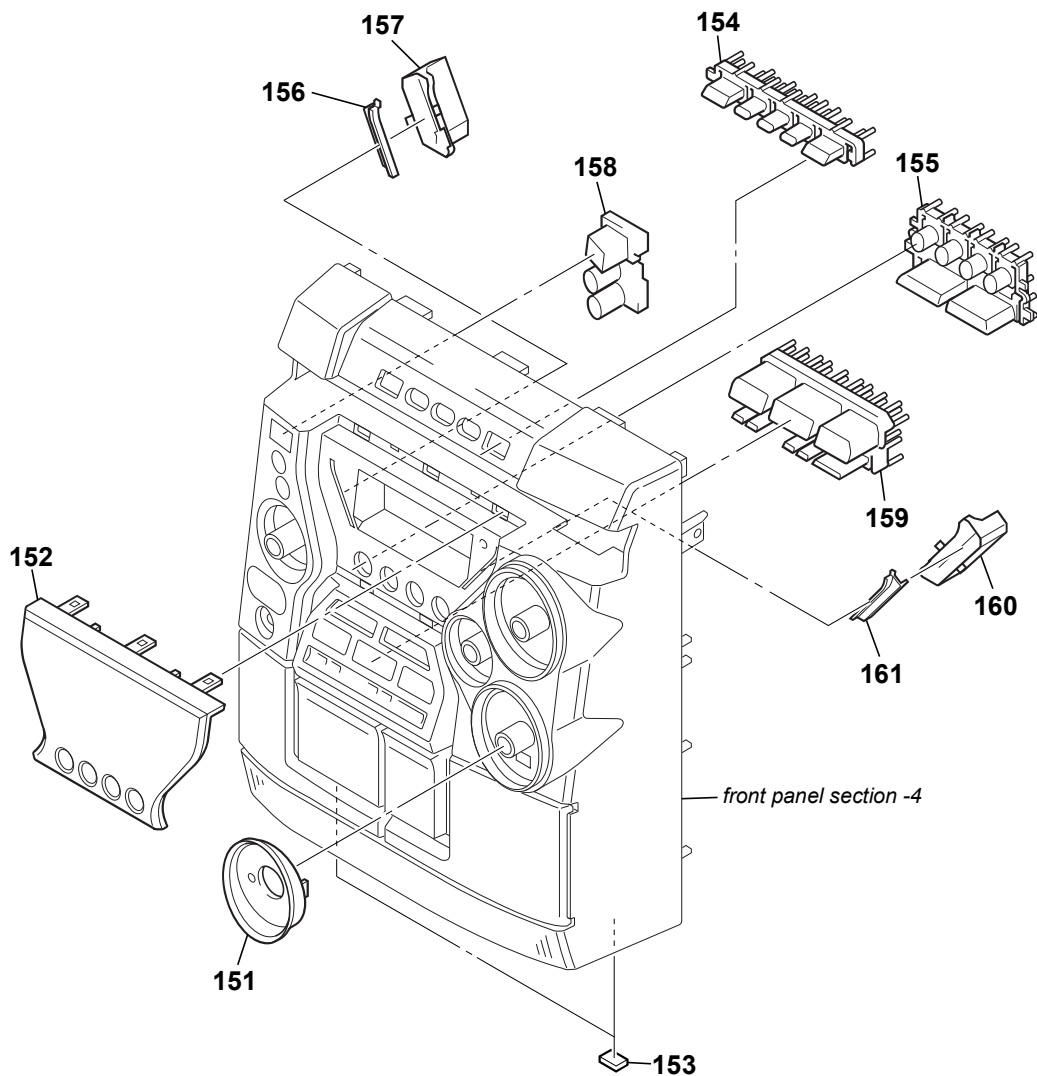
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-245-178-01	PLATING, KNOB ROTARY (JOG)		55	1-796-486-41	DECK, MECHANICAL (CWM43FR16) (AEP, UK, CIS, E, E51, SP, TW, KR, AUS)	
52	4-245-180-01	PLATING, KNOB ROTARY (TRE)		55	1-796-486-51	DECK, MECHANICAL (CWM43FR26) (MX)	
53	4-245-182-01	PLATING, KNOB ROTARY (VOL)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
54	4-245-176-01	PLATING, KNOB ROTARY (BASS)					
55	1-796-485-51	DECK, MECHANICAL (CWM43FF13) (US,CND)					

7-3. FRONT PANEL SECTION-2



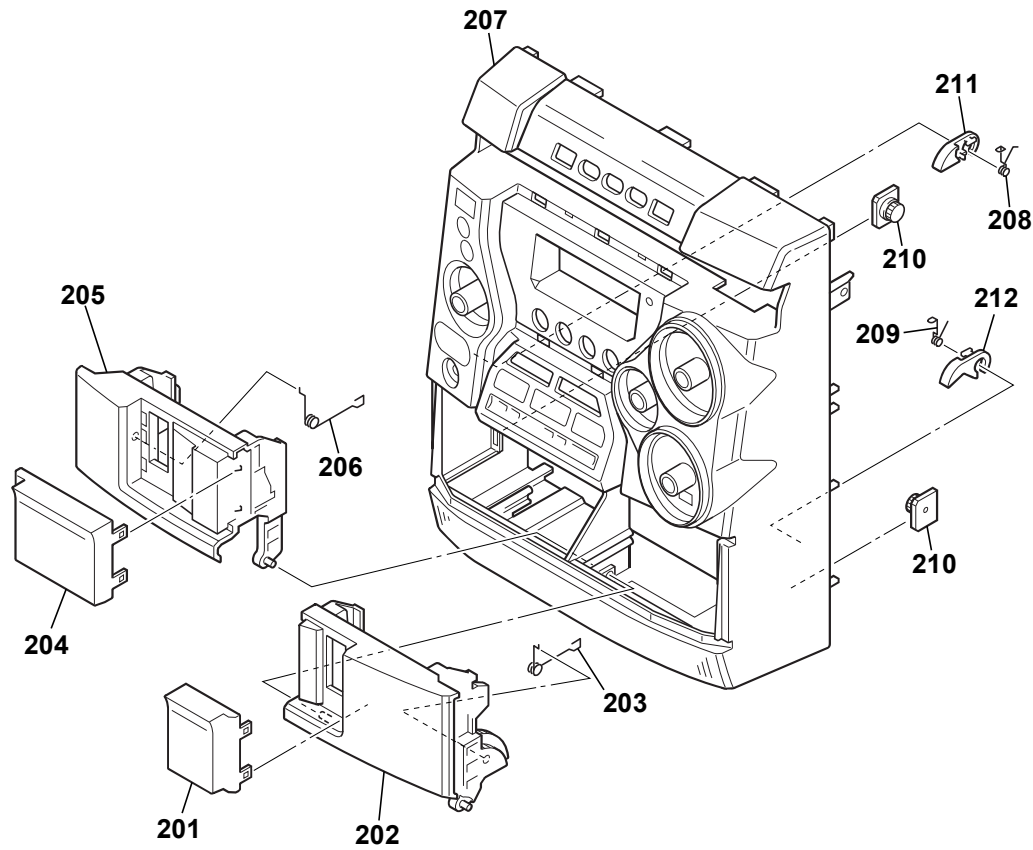
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-688-379-11	CD KEY BOARD		107	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)	
102	1-688-400-12	HEADPHONE BOARD		108	1-769-857-11	WIRE (FLAT TYPE) (5 CORE)	
103	3-229-336-01	SCREW, +BVWH TAPPING		109	A-4732-642-A	KEY BOARD, COMPLETE (US, CND)	
104	4-245-189-01	REFLECTOR, REMOTE CONTROL		109	A-4732-920-A	KEY BOARD, COMPLETE (E51)	
105	A-4732-641-A	PANEL BOARD, COMPLETE (US, CND)		109	A-4732-924-A	KEY BOARD, COMPLETE (AEP, UK, CIS)	
105	A-4748-179-A	PANEL BOARD, COMPLETE (AEP, UK)		109	A-4734-516-A	KEY BOARD, COMPLETE (MX)	
105	A-4733-014-A	PANEL BOARD, COMPLETE (E51)		109	A-4748-604-A	KEY BOARD, COMPLETE (E, SP, TW, AUS)	
105	A-4734-513-A	PANEL BOARD, COMPLETE (MX)		109	A-4748-928-A	KEY BOARD, COMPLETE (KR)	
105	A-4747-732-A	PANEL BOARD, COMPLETE (CIS)		110	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
105	A-4747-795-A	PANEL BOARD, COMPLETE (E, SP, TW, KR, AUS)		111	4-245-194-01	SHEET, FL	
106	1-751-688-11	WIRE (FLAT TYPE) (13 CORE)		112	4-425-264-01	GUIDE (I BASS)	
				#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-4. FRONT PANEL SECTION-3



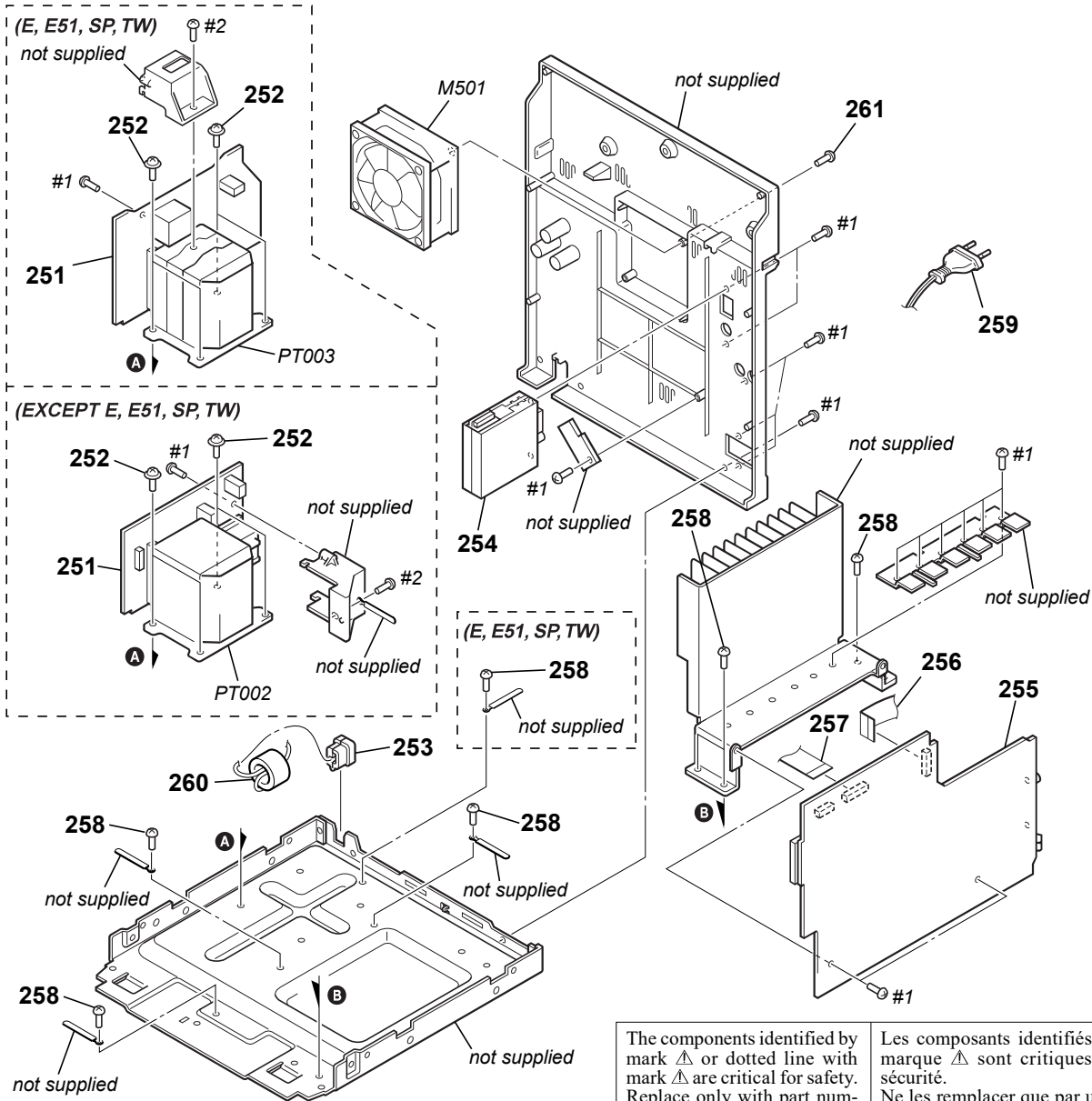
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-245-193-01	RING (BASS)		156	4-245-190-01	REFLECTOR (BASS)	
152	4-245-199-41	WINDOW, DISPLAY (US, CND, E, SP, TW, KR, AUS)		157	4-245-164-01	GUIDE (BASS)	
152	4-245-199-51	WINDOW, DISPLAY (E51, MX)		158	X-4955-560-1	KEY ASSY (POWER)	
152	4-245-199-71	WINDOW, DISPLAY (AEP, UK)		159	X-4955-571-1	KEY ASSY (OPE) (◀◀. II. ▶▶. SYNC DUB. ● REC/REC MUTE. i-BASS) (EXCEPT AEP, UK, E51, MX)	
152	4-245-199-81	WINDOW, DISPLAY (CIS)		159	X-4955-572-1	KEY ASSY (MP3) (◀◀. II. ▶▶. SYNC DUB.● REC/REC MUTE. ALBUM ▼. ALBUM ▲. i-BASS) (AEP, UK, E51, MX)	
153	4-233-980-01	RUBBER FOOT		160	4-245-165-01	GUIDE (VOL)	
154	4-245-171-01	KEY (CD) (DISC CHANGE, 1. 2. 3. ▲)		161	4-245-192-01	REFLECTOR (VOL)	
155	4-245-172-01	KEY (FUN) (TAPE A/B, TUNER BAND, VIDEO/AUX. CD. ▶. ■) (US, CND)					
155	4-245-172-11	KEY (FUN) (TAPE A/B, TUNER BAND, VIDEO/AUX. CD. ▶. ■) (EXCEPT US, CND)					

7-5. FRONT PANEL SECTION-4



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-245-198-01	WINDOW (2), CASSETTE		207	4-245-153-31	CABINET, FRONT (E51, MX)	
202	4-245-160-01	BOX (2), CASSETTE (US, CND)		207	4-245-153-41	CABINET, FRONT (E, SP, TW, KR, AUS)	
202	4-245-160-11	BOX (2), CASSETTE (2) (EXCEPT US, CND)		207	4-245-153-81	CABINET, FRONT (CIS)	
203	4-245-196-01	SPRING (R), TORSION COIL		208	4-231-836-01	SPRING (HEART CAM-A)	
204	4-245-197-01	WINDOW (1), CASSETTE		209	4-231-841-01	SPRING (HEART CAM-B)	
205	4-245-159-01	BOX (1), CASSETTE		210	4-224-104-41	DAMPER	
206	4-245-195-01	SPRING (L), TORSION COIL		211	4-231-824-01	CAM (A), HEART	
207	4-245-153-01	CABINET, FRONT (US, CND)		212	4-231-825-01	CAM (B), HEART	
207	4-245-153-21	CABINET, FRONT (AEP, UK)					

7-6. CHASSIS SECTION



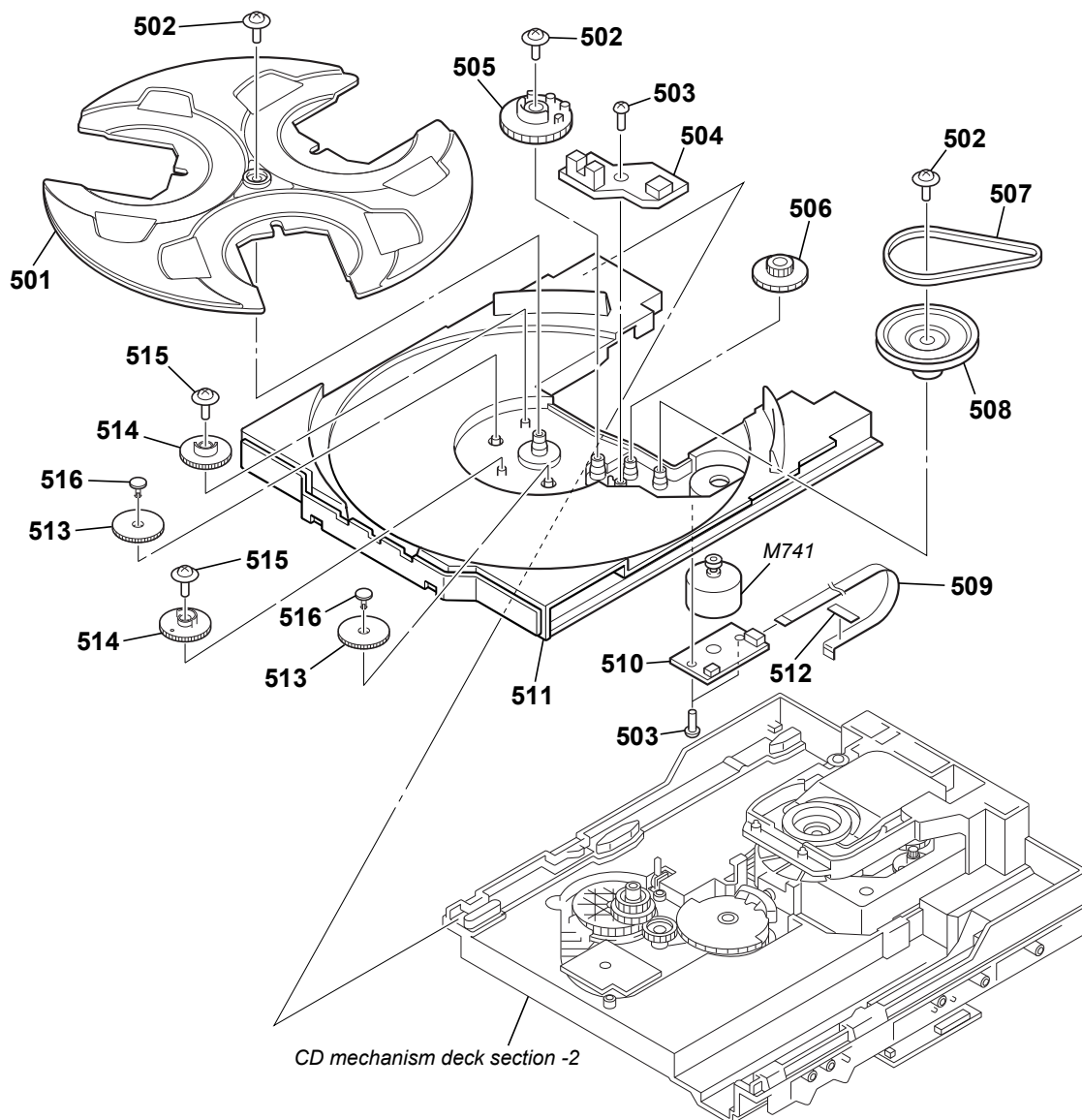
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

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	Ref. No.	Part No.	Description	Remark
251	1-688-399-12	PT BOARD (EXCEPT E, E51, SP, TW)		258	4-242-539-01	BVIT3B+3-8R W/O SLOT	
251	1-688-763-11	PT BOARD (E, E51, SP, TW)		$\triangle$ 259	1-696-845-11	CORD, POWER (AUS)	
252	4-242-527-01	S-SCREW, ITC+4-8 R		$\triangle$ 259	1-757-140-11	CORD, POWER (AEP, SP, CIS, E51)	
253	3-703-244-11	BUSHING (2104), CORD		$\triangle$ 259	1-775-787-62	CORD, POWER (UK)	
254	1-693-615-11	TUNER PACK (E, E51, MX, SP, TW, AUS)		$\triangle$ 259	1-823-296-11	CORD, POWER (KR)	
254	1-693-616-11	TUNER PACK (AEP, UK)		$\triangle$ 259	1-823-597-11	CORD, POWER (US, CND)	
254	1-693-617-11	TUNER (KR)		$\triangle$ 259	1-827-226-21	CORD, POWER (E, MX)	
254	1-693-618-11	TUNER PACK (CIS)		$\triangle$ 259	1-827-597-11	CORD, POWER (TW)	
254	1-693-631-11	TUNER PACK (US, CND)		260	1-400-285-11	F-BEAD, E2515MRT	
255	A-4732-937-A	MAIN BOARD, COMPLETE (AEP, UK)		261	4-242-808-01	BVT2 +3-15 W/O SLOT	(E, E51, MX, SP, TW, KR)
255	A-4733-016-A	MAIN BOARD, COMPLETE (E51)					
255	A-4733-077-A	MAIN BOARD, COMPLETE (US, CND)		M501	1-763-738-31	FAN, DC	
255	A-4734-312-A	MAIN BOARD, COMPLETE (MX)		$\triangle$ PT002	1-439-762-11	TRANSFORMER, POWER (US)	
255	A-4747-718-A	MAIN BOARD, COMPLETE (CIS)		$\triangle$ PT002	1-439-921-11	TRANSFORMER, POWER (AEP, UK, CIS)	
255	A-4747-797-A	MAIN BOARD, COMPLETE (E, SP, TW)		$\triangle$ PT002	1-439-923-11	TRANSFORMER, POWER (MX)	
255				$\triangle$ PT002	1-439-924-11	TRANSFORMER, POWER (KR)	
255	A-4747-826-A	MAIN BOARD, COMPLETE (KR)		$\triangle$ PT002	1-439-968-11	TRANSFORMER, POWER (CND)	
255	A-4748-138-A	MAIN BOARD, COMPLETE (AUS)		$\triangle$ PT002	1-443-049-11	TRANSFORMER, POWER (AUS)	
256	1-769-943-11	WIRE (FLAT TYPE) (11 CORE)	(EXCEPT AEP, UK)	$\triangle$ PT003	1-439-922-11	TRANSFORMER, POWER (E, E51, SP, TW)	
256	1-773-007-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)		#1	7-685-647-79	SCREW +BVT 3X10 TYPE2 N-S	
257	1-827-222-11	WIRE (FLAT TYPE) (19 CORE)		#2	7-685-872-09	SCREW +BVT 3X8 (S)	

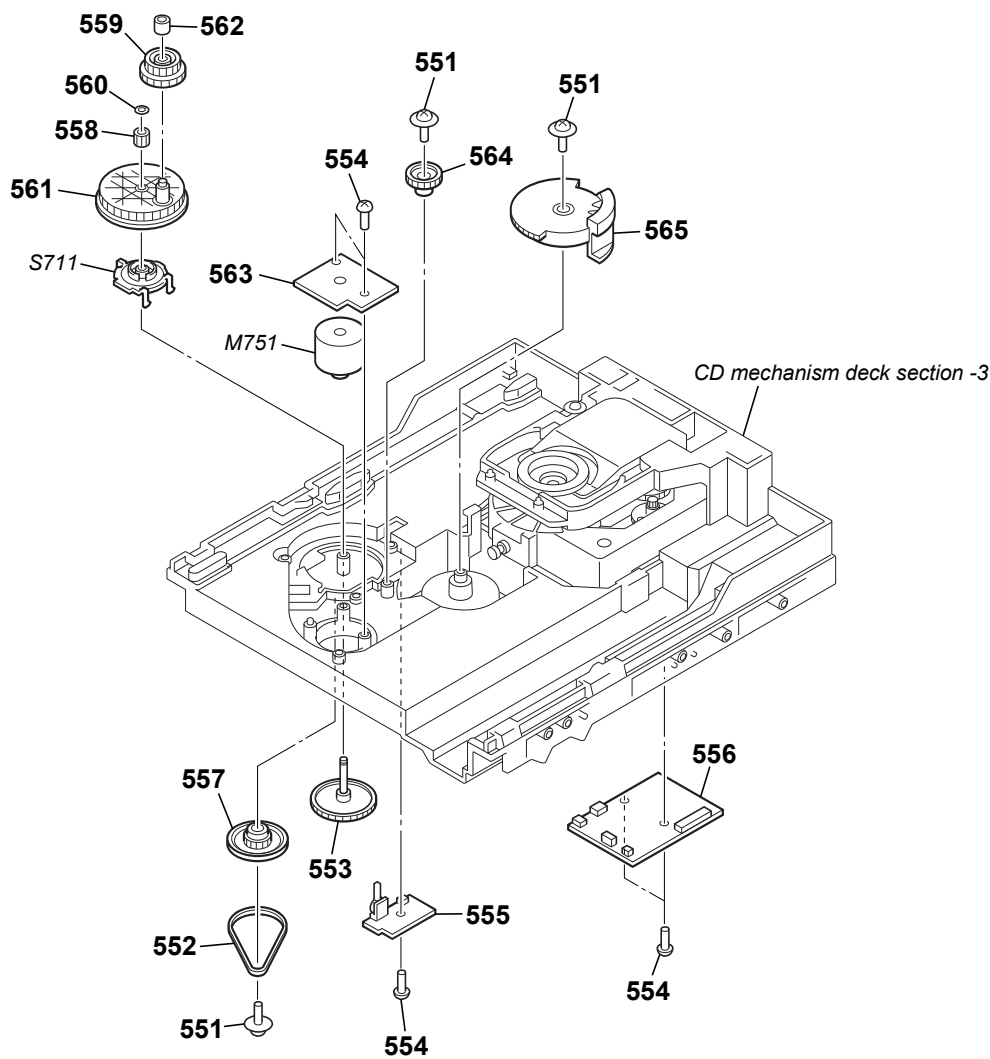
7-7. CD MECHANISM DECK SECTION-1

(CDM74-K6BD71AS: MX
CDM74S-K6BD71A: AEP, UK, CIS, E51
CDM74S-K6BD72: US, CND, E, SP, TW, KR, AUS)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	4-243-815-01	TABLE (LOADING)		510	1-687-134-11	MOTOR (TB) BOARD	
502	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		511	4-243-816-01	TRAY	
503	4-218-253-21	SCREW (M2.6), +BTTP		512	3-321-598-01	SHEET (BA)	
504	1-687-132-11	SENSOR BOARD		513	4-245-570-01	GEAR (JOINT)	
505	4-243-819-01	GEAR (GENEVA)		514	4-245-571-01	GEAR (STOPPER)	
506	4-243-820-01	GEAR (TABLE)		515	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
507	4-243-823-01	BELT (TABLE)		516	4-245-572-01	BUSHING (GEAR)	
508	4-243-821-01	PULLEY (TABLE)		M741	A-4723-963-A	MOTOR ASSY, TABLE	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)					

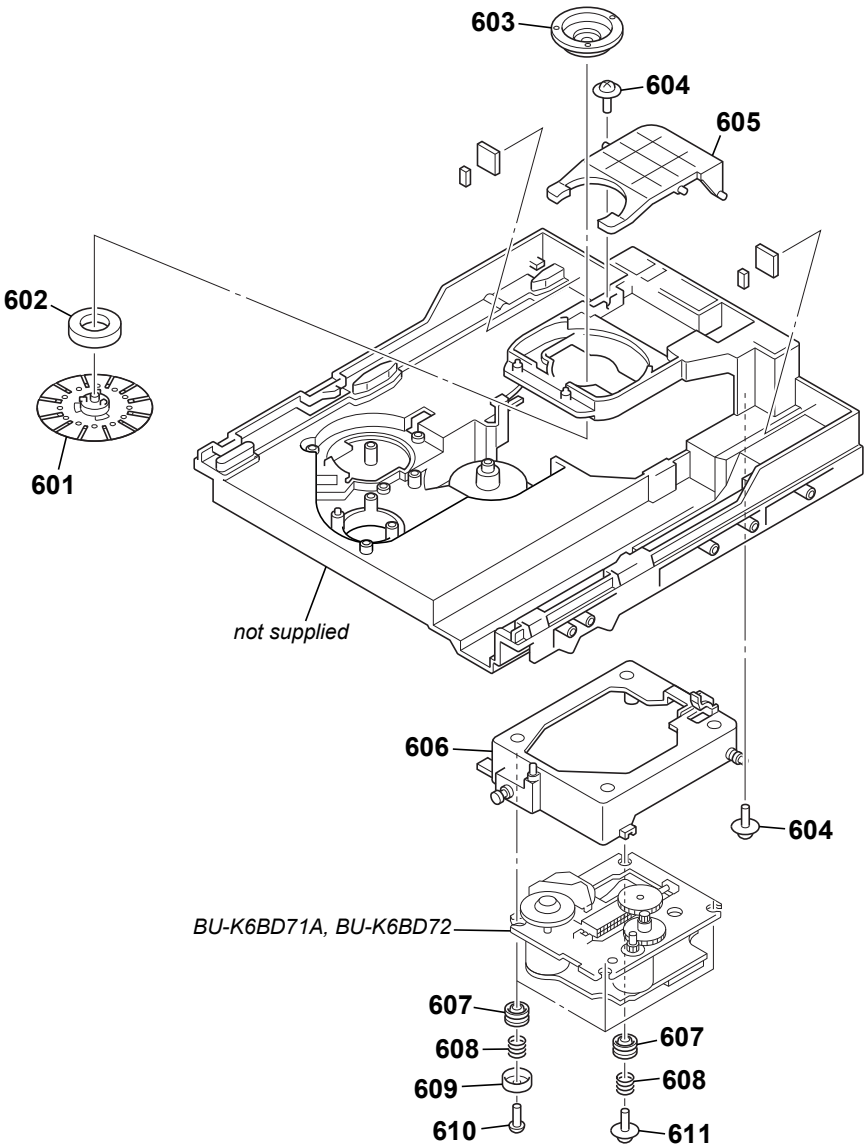
7-8. CD MECHANISM DECK SECTION-2
(CDM74-K6BD71AS: MX
CDM74S-K6BD71A: AEP, UK, CIS, E51
CDM74S-K6BD72: US, CND, E, SP, TW, KR, AUS)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
551	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		560	3-016-533-11	WASHER (FR), STOPPER (EXCEPT MX)	
552	4-244-034-01	BELT (LOADING)		561	4-244-108-01	GEAR, SWING	
553	4-224-613-01	GEAR (SHAFT)		562	4-224-608-01	COLLAR, SWING	
554	4-218-253-31	SCREW (M2.6), +BTTP		563	1-687-133-11	MOTOR (LD) BOARD	
555	1-687-669-11	SW BOARD		564	4-224-606-01	GEAR (RV)	
556	1-687-135-11	DRIVER BOARD		565	4-243-818-01	GEAR (U/D)	
557	4-225-844-01	GEAR (LOADING A)		M751	A-4736-655-A	MOTOR ASSY, LOADING (EXCEPT MX)	
558	4-224-611-01	GEAR (LOADING B)		M751	A-4737-553-A	MOTOR ASSY, LOADING (MX)	
559	4-224-609-01	GEAR (LOADING C)		S711	1-477-680-11	ENCODER, ROTARY	
560	3-016-533-01	WASHER (FR), STOPPER (MX)				(DISC TRAY ADDRESS DETECT)	

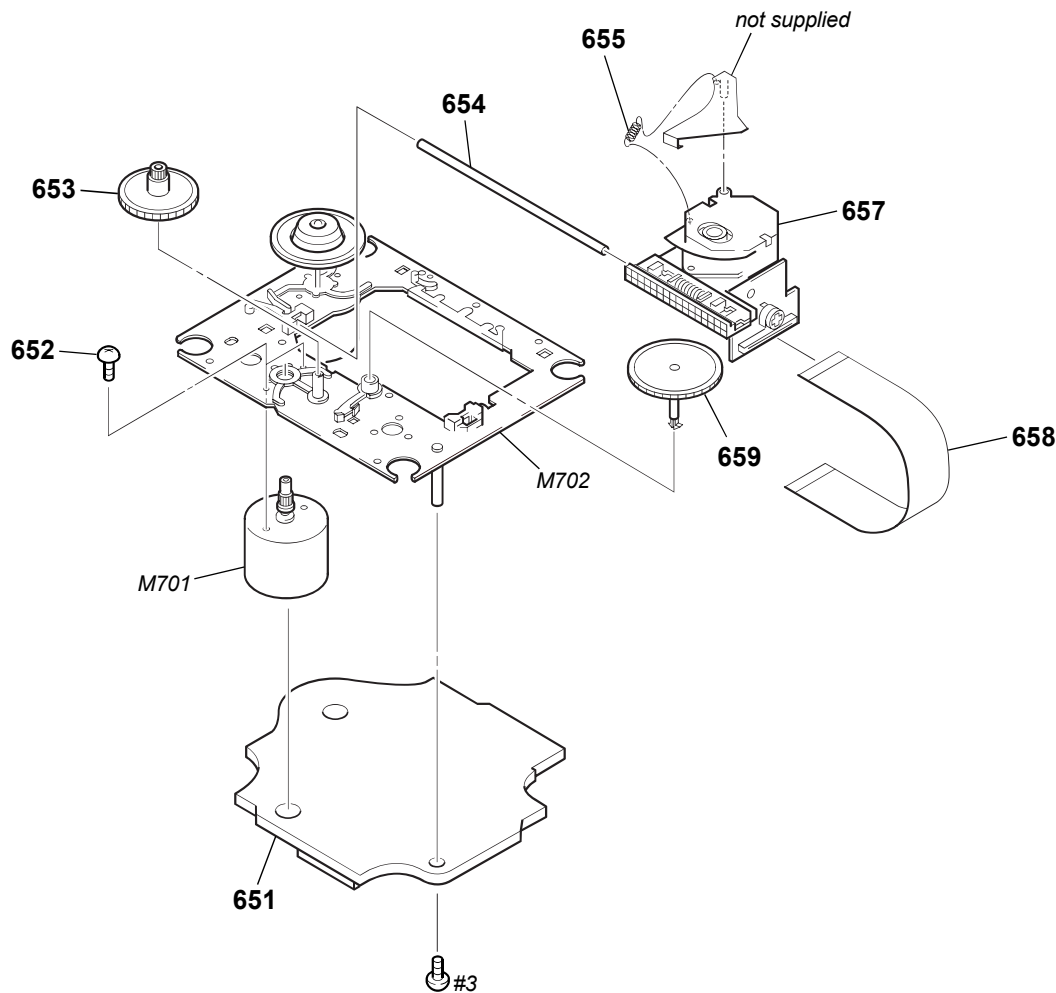
7-9. CD MECHANISM DECK SECTION-3

(CDM74-K6BD71AS: MX
CDM74S-K6BD71A: AEP, UK, CIS, E51
CDM74S-K6BD72: US, CND, E, SP, TW, KR, AUS)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
601	X-4955-707-1	PULLEY (A5) ASSY, CHUCKING (EXCEPT MX)		607	4-227-549-11	INSULATOR	
601	X-4955-791-1	PULLEY (SI) ASSY, CHUCKING (MX)		608	4-227-045-11	SPRING (INSULATOR), COIL (MX)	
602	1-471-035-11	MAGNET ASSY		608	4-227-045-31	SPRING (INSULATOR), COIL (EXCEPT MX)	
603	4-221-688-01	PULLEY (B), CHUCKING (MX)		609	4-231-151-01	STOPPER (BU)	
603	4-231-189-01	PULLEY (B), CHUCKING (EXCEPT MX)		610	4-218-253-31	SCREW (M2.6), +BTTP	
604	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		611	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
605	4-243-822-01	LEVER (LIFTER)		612	4-243-817-01	CHASSIS	
606	X-4955-536-1	HOLDER (213) ASSY					

7-10. BASE UNIT SECTION
(BU-K6BD71A: AEP, UK, CIS, MX, E51
BU-K6BD72: US, CND, E, SP, TW, KR, AUS)



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.
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
651	A-4732-699-A	BD BOARD, COMPLETE		$\triangle$ 657	8-820-020-11	OPTICAL PICK-UP KSS-213D/Z-RP	
		(AEP, UK, CIS, E51, MX)		658	1-823-859-11	WIRE (FLAT TYPE) (16 CORE)	
651	A-4734-406-A	BD BOARD, COMPLETE		659	2-626-907-11	GEAR (A)	
		(US, CND, SP, TW, KR, AUS)		M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
652	3-713-786-51	SCREW +P 2X3		M702	X-2161-802-1	CHASSIS ASSY (DCP), T. T (SPINDLE)	
653	2-627-003-01	GEAR (B) (RP)					
654	2-626-908-01	SHAFT, SLED		#3	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
655	2-646-702-01	SPRING, EXTENSION					

SECTION 8

ELECTRICAL PARTS LIST

BD

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS**
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
AUS : Australian model
CND : Canadian model
E51 : Chilean and Peruvian models

KR : Korean model
MX : Mexican model
SP : Singapore model
TW : Taiwan model

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS**
In each case, u: □, for example:
uA. . : □A. . uPA. . : □PA. .
uPB. . : □PB. . uPC. . : □PC. .
uPD. . : □PD. .
- CAPACITORS**
uF: □F
- COILS**
uH: □H

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-4732-699-A	BD BOARD, COMPLETE *****		C803	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
		(AEP, UK, CIS, E51, MX)		C804	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
		< CAPACITOR >		C805	1-126-392-11	ELECT CHIP 100uF 20%	6.3V
C701	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C806	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C702	1-126-392-11	ELECT CHIP 100uF 20%	6.3V	C807	1-126-392-11	ELECT CHIP 100uF 20%	6.3V
C703	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C810	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C704	1-126-391-11	ELECT CHIP 47uF 20%	6.3V	C811	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C705	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C812	1-115-156-11	CERAMIC CHIP 1uF	10V
C706	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C813	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C707	1-126-392-11	ELECT CHIP 100uF 20%	6.3V	C814	1-126-392-11	ELECT CHIP 100uF 20%	6.3V
C708	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C815	1-128-360-11	ELECT CHIP 220uF 20%	10V
C709	1-126-392-11	ELECT CHIP 100uF 20%	6.3V	C816	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C710	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	C817	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C711	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C823	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C712	1-162-949-11	CERAMIC CHIP 47PF 5%	50V	C824	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C713	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V	C825	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C714	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C829	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C715	1-126-401-21	ELECT CHIP 1uF 20%	50V	C830	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
C716	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C831	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
C717	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V	C834	1-128-360-11	ELECT CHIP 220uF 20%	10V
C718	1-115-156-11	CERAMIC CHIP 1uF	10V	C835	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C719	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V	C837	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C720	1-162-953-11	CERAMIC CHIP 100PF 5%	50V	C843	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C721	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C844	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C722	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C856	1-115-156-11	CERAMIC CHIP 1uF	10V
C723	1-126-392-11	ELECT CHIP 100uF 20%	6.3V	C857	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
C729	1-128-360-11	ELECT CHIP 220uF 20%	10V	C858	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
C732	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C859	1-162-945-11	CERAMIC CHIP 22PF 5%	50V
C733	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C860	1-162-953-11	CERAMIC CHIP 100PF 5%	50V
C734	1-162-917-11	CERAMIC CHIP 15PF 5%	50V			< CONNECTOR >	
C735	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	CN708	1-817-244-11	CONNECTOR, FFC 16P	
C741	1-164-156-11	CERAMIC CHIP 0.1uF	25V	CN710	1-778-874-11	CONNECTOR, FFC (LIF (NON-ZIF)) 19P	
C742	1-164-156-11	CERAMIC CHIP 0.1uF	25V			< FERRITE BEAD >	
C743	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	FB701	1-550-907-21	FERRITE 0uH	
C744	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V	FB707	1-550-907-21	FERRITE 0uH	
C746	1-164-156-11	CERAMIC CHIP 0.1uF	25V	FB708	1-550-907-21	FERRITE 0uH	
C747	1-164-156-11	CERAMIC CHIP 0.1uF	25V	FB801	1-550-907-21	FERRITE 0uH	
C748	1-128-360-11	ELECT CHIP 220uF 20%	10V	FB802	1-550-907-21	FERRITE 0uH	
C753	1-162-949-11	CERAMIC CHIP 47PF 5%	50V	FB803	1-550-907-21	FERRITE 0uH	
C754	1-162-949-11	CERAMIC CHIP 47PF 5%	50V	FB804	1-550-907-21	FERRITE 0uH	
C756	1-162-949-11	CERAMIC CHIP 47PF 5%	50V	FB805	1-550-907-21	FERRITE 0uH	
C802	1-164-156-11	CERAMIC CHIP 0.1uF	25V				

Ref. No.	Part No.	Description	Remark		
FB806	1-550-907-21	FERRITE	0uH		
FB807	1-550-907-21	FERRITE	0uH		
FB808	1-550-907-21	FERRITE	0uH		
< IC >					
IC721	6-701-796-01	IC LC78646E-E			
IC722	6-704-220-01	IC BA5836FP			
IC801	6-704-008-01	IC LC78684E-E			
IC802	6-704-009-01	IC LC32V4265CT-25-MPB-E			
IC803	6-704-007-01	IC MM1571J			
< TRANSISTOR >					
Q701	8-729-054-57	TRANSISTOR	KTN2907AS-RTK		
< RESISTOR >					
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W
R702	1-216-835-11	METAL CHIP	15K	5%	1/10W
R703	1-216-835-11	METAL CHIP	15K	5%	1/10W
R704	1-216-835-11	METAL CHIP	15K	5%	1/10W
R705	1-216-835-11	METAL CHIP	15K	5%	1/10W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-838-11	METAL CHIP	27K	5%	1/10W
R711	1-216-815-11	METAL CHIP	330	5%	1/10W
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R717	1-216-809-11	METAL CHIP	100	5%	1/10W
R718	1-216-809-11	METAL CHIP	100	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-809-11	METAL CHIP	100	5%	1/10W
R722	1-216-821-11	METAL CHIP	1K	5%	1/10W
R725	1-216-819-11	METAL CHIP	680	5%	1/10W
R726	1-216-819-11	METAL CHIP	680	5%	1/10W
R727	1-216-809-11	METAL CHIP	100	5%	1/10W
R728	1-216-841-11	METAL CHIP	47K	5%	1/10W
R729	1-216-834-11	METAL CHIP	12K	5%	1/10W
R730	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-216-864-11	METAL CHIP	0	5%	1/10W
R738	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R739	1-216-864-11	METAL CHIP	0	5%	1/10W
R740	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R741	1-216-864-11	METAL CHIP	0	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R745	1-216-809-11	METAL CHIP	100	5%	1/10W
R746	1-216-803-11	METAL CHIP	33	5%	1/10W
R747	1-216-803-11	METAL CHIP	33	5%	1/10W
R760	1-216-809-11	METAL CHIP	100	5%	1/10W
R765	1-216-857-11	METAL CHIP	1M	5%	1/10W
R801	1-216-809-11	METAL CHIP	100	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W
R803	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R805	1-216-809-11	METAL CHIP	100	5%	1/10W
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R817	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R818	1-216-811-11	METAL CHIP	150	5%	1/10W
R819	1-216-821-11	METAL CHIP	1K	5%	1/10W
R820	1-216-821-11	METAL CHIP	1K	5%	1/10W
R823	1-216-809-11	METAL CHIP	100	5%	1/10W
R824	1-216-809-11	METAL CHIP	100	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/10W
R826	1-216-809-11	METAL CHIP	100	5%	1/10W
R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R829	1-216-809-11	METAL CHIP	100	5%	1/10W
R832	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R833	1-216-809-11	METAL CHIP	100	5%	1/10W
R834	1-216-809-11	METAL CHIP	100	5%	1/10W
R860	1-216-809-11	METAL CHIP	100	5%	1/10W
< SWITCH >					
S701	1-771-853-11	SWITCH, DETECTION (LIMIT IN)			
< VIBRATOR >					
X701	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)			

A-4734-406-A		BD BOARD, COMPLETE			

(US, CND, E, SP, TW, KR, AUS)					
< CAPACITOR >					
C701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C702	1-124-584-00	ELECT	100uF	20%	10V
C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C704	1-124-589-11	ELECT	47uF	20%	16V
C705	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C707	1-124-584-00	ELECT	100uF	20%	10V
C708	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C709	1-124-584-00	ELECT	100uF	20%	10V
C710	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C712	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C715	1-126-160-11	ELECT	1uF	20%	50V
C716	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C717	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C718	1-115-156-11	CERAMIC CHIP	1uF		10V
C719	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C720	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C721	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C722	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C723	1-124-584-00	ELECT	100uF	20%	10V
C729	1-126-934-11	ELECT	220uF	20%	10V
C731	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C732	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C733	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

BD

CD KEY

DRIVER

Ref. No.	Part No.	Description	Remark
C734	1-162-917-11	CERAMIC CHIP 15PF 5%	50V
C735	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C741	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C742	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C743	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V
C744	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
C745	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C746	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C747	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C748	1-126-934-11	ELECT 220uF 20%	10V
C750	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C751	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C752	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C753	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C754	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
C756	1-162-949-11	CERAMIC CHIP 47PF 5%	50V
< CONNECTOR >			
CN708	1-793-907-11	CONNECTOR, FFC/FPC 16P	
CN710	1-784-741-11	CONNECTOR, FFC 19P	
< FERRITE BEAD >			
FB701	1-550-907-21	FERRITE 0uH	
FB707	1-550-907-21	FERRITE 0uH	
FB708	1-550-907-21	FERRITE 0uH	
< IC >			
IC721	6-701-796-01	IC LC78646E-E	
IC722	6-704-220-01	IC BA5836FP	
< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR KTN2907AS-RTK	
< RESISTOR >			
R701	1-216-841-11	METAL CHIP 47K 5%	1/10W
R702	1-216-835-11	METAL CHIP 15K 5%	1/10W
R703	1-216-835-11	METAL CHIP 15K 5%	1/10W
R704	1-216-835-11	METAL CHIP 15K 5%	1/10W
R705	1-216-835-11	METAL CHIP 15K 5%	1/10W
R706	1-216-841-11	METAL CHIP 47K 5%	1/10W
R707	1-216-797-11	METAL CHIP 10 5%	1/10W
R708	1-216-833-11	METAL CHIP 10K 5%	1/10W
R709	1-216-838-11	METAL CHIP 27K 5%	1/10W
R711	1-216-815-11	METAL CHIP 330 5%	1/10W
R713	1-216-821-11	METAL CHIP 1K 5%	1/10W
R714	1-216-809-11	METAL CHIP 100 5%	1/10W
R715	1-216-809-11	METAL CHIP 100 5%	1/10W
R716	1-216-809-11	METAL CHIP 100 5%	1/10W
R717	1-216-809-11	METAL CHIP 100 5%	1/10W
R718	1-216-809-11	METAL CHIP 100 5%	1/10W
R719	1-216-809-11	METAL CHIP 100 5%	1/10W
R720	1-216-809-11	METAL CHIP 100 5%	1/10W
R721	1-216-809-11	METAL CHIP 100 5%	1/10W
R722	1-216-809-11	METAL CHIP 100 5%	1/10W
R725	1-216-819-11	METAL CHIP 680 5%	1/10W
R726	1-216-819-11	METAL CHIP 680 5%	1/10W
R727	1-216-809-11	METAL CHIP 100 5%	1/10W

Ref. No.	Part No.	Description	Remark
R728	1-216-841-11	METAL CHIP 47K 5%	1/10W
R729	1-216-834-11	METAL CHIP 12K 5%	1/10W
R730	1-216-822-11	METAL CHIP 1.2K 5%	1/10W
R731	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R732	1-216-864-11	METAL CHIP 0 5%	1/10W
R738	1-218-867-11	METAL CHIP 6.8K 5%	1/10W
R739	1-216-864-11	METAL CHIP 0 5%	1/10W
R740	1-218-867-11	METAL CHIP 6.8K 5%	1/10W
R741	1-216-864-11	METAL CHIP 0 5%	1/10W
R744	1-216-845-11	METAL CHIP 100K 5%	1/10W
R745	1-216-809-11	METAL CHIP 100 5%	1/10W
R746	1-216-803-11	METAL CHIP 33 5%	1/10W
R747	1-216-803-11	METAL CHIP 33 5%	1/10W
R751	1-216-841-11	METAL CHIP 47K 5%	1/10W
R752	1-216-841-11	METAL CHIP 47K 5%	1/10W
R753	1-216-841-11	METAL CHIP 47K 5%	1/10W
R754	1-216-841-11	METAL CHIP 47K 5%	1/10W
R760	1-216-809-11	METAL CHIP 100 5%	1/10W
R765	1-216-857-11	METAL CHIP 1M 5%	1/10W
< SWITCH >			
S701	1-771-853-11	SWITCH, DETECTION (LIMIT IN)	
< VIBRATOR >			
X701	1-579-280-11	VIBRATOR, CRYSTAL (16.9344MHz)	

1-688-379-11	CD KEY BOARD	*****	
< CONNECTOR >			
CN302	1-784-766-11	CONNECTOR, FFC 5P	
< RESISTOR >			
R326	1-216-822-11	METAL CHIP 1.2K 5%	1/10W
R327	1-216-824-11	METAL CHIP 1.8K 5%	1/10W
R328	1-216-824-11	METAL CHIP 1.8K 5%	1/10W
R329	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
< SWITCH >			
S319	1-762-875-21	SWITCH, KEYBOARD (OPEN/CLOSE ▲)	
S320	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 3)	
S321	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 2)	
S322	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 1)	
S323	1-762-875-21	SWITCH, KEYBOARD (DISC CHANGE)	

1-687-135-11	DRIVER BOARD	*****	
< CAPACITOR >			
C715	1-126-933-11	ELECT 100uF 20%	16V
C731	1-126-964-11	ELECT 10uF 20%	50V
C735	1-164-159-21	CERAMIC 0.1uF	50V
C736	1-164-159-21	CERAMIC 0.1uF	50V
C737	1-164-159-21	CERAMIC 0.1uF	50V
C741	1-162-306-11	CERAMIC 0.01uF 30%	16V
C751	1-162-306-11	CERAMIC 0.01uF 30%	16V

DRIVER HEADPHONE KEY

Ref. No.	Part No.	Description	Remark		
C752	1-164-159-21	CERAMIC	0.1uF	50V	
< CONNECTOR >					
CN701	1-785-338-11	PIN, CONNECTOR (LIGHT ANGLE) 12P			
CN702	1-784-766-11	CONNECTOR, FFC 5P			
* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
< DIODE >					
D701	8-719-921-42	DIODE	MTZJ-T-77-5.1A		
D711	8-719-109-69	DIODE	MTZJ-T-77-3.6B		
< IC >					
IC701	8-759-598-69	IC	BA6956AN		
IC712	8-759-598-69	IC	BA6956AN		
< TRANSISTOR >					
Q731	8-729-029-66	TRANSISTOR	RT1N141S-TP		
< RESISTOR >					
R701	1-249-413-11	CARBON	470	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-425-11	CARBON	4.7K	5%	1/4W
R713	1-249-433-11	CARBON	22K	5%	1/4W
R721	1-249-425-11	CARBON	4.7K	5%	1/4W
R722	1-249-425-11	CARBON	4.7K	5%	1/4W
R723	1-249-425-11	CARBON	4.7K	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W
R735	1-247-807-31	CARBON	100	5%	1/4W
R751	1-249-425-11	CARBON	4.7K	5%	1/4W

1-688-400-12	HAEDPHONE BOARD				

< CAPACITOR >					
C250	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C906	1-162-282-31	CERAMIC	100PF	10%	50V
C907	1-162-282-31	CERAMIC	100PF	10%	50V
(AEP, UK)					
(AEP, UK)					
< JACK >					
J221	1-785-448-21	JACK (PHONES)			
< RESISTOR >					
R221	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R222	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R223	1-260-092-11	CARBON	270	5%	1/2W
(EXCEPT AEP, UK, CIS)					
R223	1-260-320-11	CARBON	220	5%	1/2W
(AEP, UK, CIS)					
R224	1-260-092-11	CARBON	270	5%	1/2W
(EXCEPT AEP, UK, CIS)					

Ref. No.	Part No.	Description	Remark		
R224	1-260-320-11	CARBON	220	5%	1/2W (AEP, UK, CIS)
R225	1-260-092-11	CARBON	270	5%	1/2W (EXCEPT AEP, UK, CIS)
R225	1-260-320-11	CARBON	220	5%	1/2W (AEP, UK, CIS)
R226	1-260-092-11	CARBON	270	5%	1/2W (EXCEPT AEP, UK, CIS)
R226	1-260-320-11	CARBON	220	5%	1/2W (AEP, UK, CIS)
< CONNECTOR >					
WH230	1-816-818-11	HLDR, WIRE 2.5-5P			

	A-4732-642-A	KEY BOARD, COMPLETE (US, CND)			
	A-4732-920-A	KEY BOARD, COMPLETE (E51)			
	A-4732-924-A	KEY BOARD, COMPLETE (AEP, UK, CIS)			
	A-4734-516-A	KEY BOARD, COMPLETE (MX)			
	A-4748-604-A	KEY BOARD, COMPLETE (E, SP, TW, AUS)			
	A-4748-928-A	KEY BOARD, COMPLETE (KR)			

< CAPACITOR >					
C402	1-164-156-11	CERAMIC CHIP	0.1uF		25V (EXCEPT US, CND, AEP, UK, CIS)
C403	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (EXCEPT US, CND, AEP, UK, CIS)
C404	1-126-957-11	ELECT	0.22uF	20%	50V (EXCEPT US, CND, AEP, UK, CIS)
C405	1-126-960-11	ELECT	1uF	20%	50V (EXCEPT US, CND, AEP, UK, CIS)
C406	1-126-934-11	ELECT	220uF	20%	10V (EXCEPT US, CND, AEP, UK, CIS)
C407	1-162-926-11	CERAMIC CHIP	82PF	5%	50V (EXCEPT US, CND, AEP, UK, CIS)
C408	1-126-956-91	ELECT	0.1uF	20%	50V (EXCEPT US, CND, AEP, UK, CIS)
C409	1-126-934-11	ELECT	220uF	20%	16V (EXCEPT US, CND, AEP, UK, CIS)
C410	1-126-965-91	ELECT	22uF	20%	50V (EXCEPT US, CND, AEP, UK, CIS)
C411	1-164-473-11	CERAMIC CHIP	820PF	5%	50V (EXCEPT US, CND, AEP, UK, CIS)
C412	1-126-960-11	ELECT	1uF	20%	50V (EXCEPT US, CND, AEP, UK, CIS)
C416	1-126-956-91	ELECT	0.1uF	20%	50V (EXCEPT US, CND, AEP, UK, CIS)
C419	1-164-156-11	CERAMIC CHIP	0.1uF		25V (EXCEPT US, CND, AEP, UK, CIS)
C441	1-100-234-11	CERAMIC CHIP	0.1uF		25V (EXCEPT US, CND, AEP, UK, CIS)
C801	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C802	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C803	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C805	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C806	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C807	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C808	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< CONNECTOR >				< RESISTOR >			
CN301	1-784-766-11	CONNECTOR, FFC 5P		R231	1-216-198-00	RES-CHIP 1K 5% 1/8W	
CN303	1-784-784-11	CONNECTOR, FFC 23P		R301	1-216-864-11	SHORT CHIP 0	
< DIODE >				R302	1-216-821-11	METAL CHIP 1K 5% 1/10W	
D401	8-719-991-34	DIODE 1SS133T-72 (EXCEPT US, CND, AEP, UK, CIS)		R303	1-216-820-11	METAL CHIP 820 5% 1/10W	
< FERRITE BEAD >				R304	1-216-821-11	METAL CHIP 1K 5% 1/10W	
FB401	1-410-396-41	FERRITE 0.45uH (EXCEPT US, CND, AEP, UK, CIS)		R305	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
< IC >				R306	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
IC401	8-759-710-97	IC NJM4565M (TE2) (EXCEPT US, CND, AEP, UK, CIS)		R311	1-216-864-11	SHORT CHIP 0	
< JACK >				R312	1-216-821-11	METAL CHIP 1K 5% 1/10W	
J401	1-816-860-11	JACK, 6.3 BLK MONO W/SW V MSC (MIC) (EXCEPT US, CND, AEP, UK, CIS)		R313	1-216-820-11	METAL CHIP 820 5% 1/10W	
< SHORT >				R314	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR403	1-216-864-11	SHORT CHIP 0 (EXCEPT US, CND, AEP, UK, CIS)		R315	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
JR404	1-216-864-11	SHORT CHIP 0 (EXCEPT US, CND, AEP, UK, CIS)		R316	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
JR801	1-216-864-11	SHORT CHIP 0		R317	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
JR805	1-216-864-11	METAL CHIP 0 5% 1/10W (US)		R318	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
JR806	1-216-864-11	METAL CHIP 0 5% 1/10W (CND)		R321	1-216-864-11	SHORT CHIP 0	
JR807	1-216-864-11	METAL CHIP 0 5% 1/10W (AEP)		R322	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR808	1-216-864-11	METAL CHIP 0 5% 1/10W (UK)		R323	1-216-820-11	METAL CHIP 820 5% 1/10W	
JR809	1-216-864-11	METAL CHIP 0 5% 1/10W (CIS)		R324	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR810	1-216-864-11	METAL CHIP 0 5% 1/10W (AUS)		R325	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
JR813	1-216-864-11	METAL CHIP 0 5% 1/10W (E)		R401	1-216-845-11	METAL CHIP 100K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
JR816	1-216-864-11	METAL CHIP 0 5% 1/10W (KR)		R402	1-216-829-11	METAL CHIP 4.7K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
JR817	1-216-864-11	METAL CHIP 0 5% 1/10W (SP)		R403	1-216-849-11	METAL CHIP 220K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
JR820	1-216-864-11	METAL CHIP 0 5% 1/10W (TW)		R404	1-218-867-11	METAL CHIP 6.8K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
JR822	1-216-864-11	METAL CHIP 0 5% 1/10W (E51)		R405	1-216-825-11	METAL CHIP 2.2K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
JR823	1-216-864-11	METAL CHIP 0 5% 1/10W (MX)		R406	1-216-850-11	METAL CHIP 270K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
< LED >				R407	1-216-825-11	METAL CHIP 2.2K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
LED201	8-719-053-43	DIODE SLR-325VCT31 (i-BASS)		R408	1-216-174-00	RES-CHIP 100 5% 1/8W (EXCEPT US, CND, AEP, UK, CIS)	
LED901	6-500-641-01	DIODE SLI-325URC (C) STANDBY/ON)		R409	1-216-825-11	METAL CHIP 2.2K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
< TRANSISTOR >				R410	1-216-837-11	METAL CHIP 22K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
Q401	8-729-045-62	FET 2SK2158-T2B (EXCEPT US, CND, AEP, UK, CIS)		R411	1-216-838-11	METAL CHIP 27K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
				R412	1-216-825-11	METAL CHIP 2.2K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
				R413	1-216-839-11	METAL CHIP 33K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
				R414	1-216-797-11	METAL CHIP 10 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
				R432	1-216-841-11	METAL CHIP 47K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	
				R801	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R802	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R803	1-216-797-11	METAL CHIP 10 5% 1/10W	
				R804	1-216-797-11	METAL CHIP 10 5% 1/10W	
				R805	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R806	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R807	1-216-797-11	METAL CHIP 10 5% 1/10W	
				R808	1-216-797-11	METAL CHIP 10 5% 1/10W	
				R809	1-216-833-11	METAL CHIP 10K 5% 1/10W	

KEY

MAIN

Ref. No.	Part No.	Description	Remark		
R810	1-216-833-11	METAL CHIP 10K 5%	1/10W		
R811	1-216-797-11	METAL CHIP 10 5%	1/10W		
R812	1-216-797-11	METAL CHIP 10 5%	1/10W		
R813	1-216-833-11	METAL CHIP 10K 5%	1/10W		
R814	1-216-833-11	METAL CHIP 10K 5%	1/10W		
R815	1-216-797-11	METAL CHIP 10 5%	1/10W		
R816	1-216-797-11	METAL CHIP 10 5%	1/10W		
< SWITCH >					
S301	1-762-875-21	SWITCH, KEYBOARD(PLAY/PRESET ►)			
S302	1-762-875-21	SWITCH, KEYBOARD(STOP/CLEAR ■)			
S303	1-762-875-21	SWITCH, KEYBOARD (TUNING DOWN, ◀◀)			
S304	1-762-875-21	SWITCH, KEYBOARD (PAUSE/SET ■■)			
S305	1-762-875-21	SWITCH, KEYBOARD (TUNING UP, ►►)			
S306	1-762-875-21	SWITCH, KEYBOARD (i-BASS)			
S307	1-762-875-21	SWITCH, KEYBOARD (MODE)			
S308	1-762-875-21	SWITCH, KEYBOARD (ENTER)			
S309	1-762-875-21	SWITCH, KEYBOARD (CD)			
S310	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)			
S311	1-762-875-21	SWITCH, KEYBOARD (TUNER BAND)			
S312	1-762-875-21	SWITCH, KEYBOARD (VIDEO/AUX)			
S313	1-762-875-21	SWITCH, KEYBOARD (● REC/REC MUTE)			
S314	1-762-875-21	SWITCH, KEYBOARD (SYNC DUB)			
S315	1-762-875-21	SWITCH, KEYBOARD (POWER)			
S316	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)			
S317	1-762-875-21	SWITCH, KEYBOARD (ALBUM ▼) (AEP, UK, CIS, E51, MX)			
S318	1-762-875-21	SWITCH, KEYBOARD (ALBUM ▲) (AEP, UK, CIS, E51, MX)			
S801	1-786-396-11	SW, RTRY EC12E24604-30MM (VOLUME)			
S802	1-786-396-11	SW, RTRY EC12E24604-30MM (BASS)			
S803	1-477-824-11	ENCODER, ROTARY (TREBLE)			
S804	1-786-418-11	SW, RTRY RE0123PVB30F (MULTI JOG)			
< VARIABLE RESISTOR >					
VR401	1-227-502-11	RES, VAR, CARBON 10K (MIC LEVEL) (EXCEPT US, CND, AEP, UK, CIS)			

A-4732-937-A	MAIN BOARD, COMPLETE (AEP, UK)				
A-4733-016-A	MAIN BOARD, COMPLETE (E51)				
A-4733-077-A	MAIN BOARD, COMPLETE (US, CND)				
A-4734-312-A	MAIN BOARD, COMPLETE (MX)				
A-4747-718-A	MAIN BOARD, COMPLETE (CIS)				
A-4747-797-A	MAIN BOARD, COMPLETE (E, SP, TW)				
A-4747-826-A	MAIN BOARD, COMPLETE (KR)				
A-4748-138-A	MAIN BOARD, COMPLETE (AUS)				

7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S				
< CAPACITOR >					
C003	1-127-753-11	ELECT 3300uF 20%	71V (EXCEPT AEP, UK, CIS, E51, MX)		
C003	1-127-813-11	ELECT 3300uF 20%	71V (E51, MX)		
C003	1-135-516-11	ELECT 3300uF 20%	63V (AEP, UK, CIS)		

Ref. No.	Part No.	Description	Remark		
C004	1-127-753-11	ELECT 3300uF 20%	71V (EXCEPT AEP, UK, CIS, E51, MX)		
C004	1-127-813-11	ELECT 3300uF 20%	71V (E51, MX)		
C004	1-135-516-11	ELECT 3300uF 20%	63V (AEP, UK, CIS)		
C005	1-126-955-21	ELECT 4700uF 20%	35V		
C006	1-126-955-21	ELECT 4700uF 20%	35V		
C007	1-128-549-11	ELECT 3300uF 20%	35V		
C008	1-126-942-61	ELECT 1000uF 20%	25V		
C011	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C012	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C013	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C014	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C015	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C016	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C017	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C018	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C022	1-126-933-11	ELECT 100uF 20%	16V		
C023	1-126-948-11	ELECT 100uF 20%	35V		
C026	1-126-947-11	ELECT 47uF 20%	25V		
C029	1-126-947-11	ELECT 47uF 20%	10V		
C030	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V		
C031	1-126-947-11	ELECT 47uF 20%	25V		
C032	1-104-663-11	ELECT 33uF 20%	25V		
C033	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C034	1-165-621-11	CERAMIC CHIP 0.1uF	50V		
C041	1-126-964-11	ELECT 10uF 20%	50V (AEP, UK, CIS)		
C042	1-126-964-11	ELECT 10uF 20%	50V (AEP, UK, CIS)		
C043	1-126-964-11	ELECT 10uF 20%	50V (AEP, UK, CIS)		
C044	1-126-964-11	ELECT 10uF 20%	50V (AEP, UK, CIS)		
C045	1-126-968-11	ELECT 100uF 20%	50V (AEP, UK, CIS)		
C046	1-126-968-11	ELECT 100uF 20%	50V (AEP, UK, CIS)		
C047	1-104-665-11	ELECT 100uF 20%	10V		
C061	1-126-947-11	ELECT 47uF 20%	25V		
C062	1-126-960-11	ELECT 1uF 20%	50V		
C063	1-126-960-11	ELECT 1uF 20%	50V		
C097	1-164-156-11	CERAMIC CHIP 0.1uF	25V		
C103	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V		
C104	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V		
C105	1-126-961-11	ELECT 2.2uF 20%	50V		
C106	1-126-961-11	ELECT 2.2uF 20%	50V		
C109	1-126-964-11	ELECT 10uF 20%	50V		
C110	1-126-964-11	ELECT 10uF 20%	50V		
C111	1-162-927-11	CERAMIC CHIP 100PF 5%	50V (AEP, UK, CIS)		
C112	1-162-927-11	CERAMIC CHIP 100PF 5%	50V (AEP, UK, CIS)		
C113	1-126-966-11	ELECT 33uF 20%	50V		
C114	1-126-966-11	ELECT 33uF 20%	50V		
C115	1-163-139-00	CERAMIC CHIP 820PF 5%	50V		
C116	1-163-139-00	CERAMIC CHIP 820PF 5%	50V		
C117	1-100-152-11	CERAMIC CHIP 100PF 5%	100V		

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C118	1-100-152-11	CERAMIC CHIP	100PF	5%	100V	C301	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C119	1-100-152-11	CERAMIC CHIP	100PF	5%	100V	C302	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C120	1-100-152-11	CERAMIC CHIP	100PF	5%	100V	C303	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C121	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C304	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C122	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C125	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C126	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C127	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						(US, CND)
C128	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C312	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
				(AEP, UK, CIS, KR)							(US, CND)
				(AEP, UK, CIS, KR)		C313	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
											(US, CND)
C129	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						
				(AEP, UK, CIS, KR)		C313	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C130	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V						(EXCEPT US, CND)
				(AEP, UK, CIS, KR)		C314	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V						(US, CND)
				(AEP, UK, CIS, KR)		C314	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C132	1-162-927-11	CERAMIC CHIP	100PF	5%	50V						(EXCEPT US, CND)
				(AEP, UK, CIS, KR)		C315	1-130-487-00	MYLAR	0.022uF	5%	50V
C133	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C316	1-130-485-00	MYLAR	0.015uF	5%	50V
				(AEP, UK, CIS, KR)							
C134	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C317	1-130-479-00	MYLAR	0.0047uF	5%	50V
				(AEP, UK, CIS, KR)							(EXCEPT US, CND)
C135	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C317	1-130-485-00	MYLAR	0.015uF	5%	50V
				(AEP, UK, CIS, KR)							(US, CND)
C136	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C318	1-130-479-00	MYLAR	0.0047uF	5%	50V
				(AEP, UK, CIS, KR)		C319	1-126-964-11	ELECT	10uF	20%	50V
C181	1-126-960-11	ELECT	1uF	20%	50V	C320	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C182	1-126-960-11	ELECT	1uF	20%	50V						
C201	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C321	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C202	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C322	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C203	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C501	1-126-960-11	ELECT	1uF	20%	50V
C204	1-165-621-11	CERAMIC CHIP	0.1uF		50V						(EXCEPT US, CND, AEP, UK, CIS)
C205	1-100-158-91	CERAMIC CHIP	1000PF	5%	100V	C502	1-126-947-11	ELECT	47uF	20%	25V
				(US, CND, KR)							(EXCEPT US, CND, AEP, UK, CIS)
C205	1-162-974-11	CERAMIC CHIP	0.01uF		50V						
				(AEP, UK, CIS)		C601	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C206	1-100-158-91	CERAMIC CHIP	1000PF	5%	100V	C602	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
				(US, CND, KR)		C603	1-104-665-11	ELECT	100uF	20%	10V
C206	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C604	1-104-665-11	ELECT	100uF	20%	10V
				(AEP, UK, CIS)		C605	1-130-481-00	MYLAR	0.0068uF	5%	50V
C207	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						
				(US, CND, AEP, UK, CIS, KR)		C606	1-130-481-00	MYLAR	0.0068uF	5%	50V
C208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C607	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
				(US, CND, AEP, UK, CIS, KR)		C608	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C213	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C609	1-126-960-11	ELECT	1uF	20%	50V
				(EXCEPT AEP, UK, CIS)		C610	1-126-960-11	ELECT	1uF	20%	50V
C230	1-119-850-11	ELECT	10uF	20%	63V						
C231	1-119-850-11	ELECT	10uF	20%	63V	C611	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C232	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C612	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C239	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C613	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
				(AEP, UK, CIS, KR)		C614	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
						C621	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C240	1-165-621-11	CERAMIC CHIP	0.1uF		50V						
				(AEP, UK, CIS, KR)		C622	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C241	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C623	1-113-503-11	CERAMIC CHIP	0.0039uF	5%	25V
C243	1-165-621-11	CERAMIC CHIP	0.1uF		50V						(EXCEPT US, CND)
				(AEP, UK, CIS, KR)		C623	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V
C244	1-165-621-11	CERAMIC CHIP	0.1uF		50V						(US, CND)
				(AEP, UK, CIS, KR)		C624	1-113-503-11	CERAMIC CHIP	0.0039uF	5%	25V
											(EXCEPT US, CND)
C281	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	C624	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V
											(US, CND)
C282	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
						C625	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V

Ref. No.	Part No.	Description	Remark		
C626	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C629	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
		(EXCEPT US, CND)			
C630	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
		(EXCEPT US, CND)			
C641	1-126-957-11	ELECT	0.22uF	20%	50V
C642	1-126-957-11	ELECT	0.22uF	20%	50V
C643	1-126-957-11	ELECT	0.22uF	20%	50V
C644	1-126-957-11	ELECT	0.22uF	20%	50V
C645	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C646	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C647	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C649	1-126-963-11	ELECT	4.7uF	20%	50V
C651	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C652	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C653	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C654	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C655	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C661	1-126-934-11	ELECT	220uF	20%	10V
C662	1-126-947-11	ELECT	47uF	20%	25V
C663	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C664	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C668	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		(AEP, UK, CIS, KR)			
C669	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		(AEP, UK, CIS, KR)			
C670	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		(AEP, UK, CIS, KR)			
C671	1-126-959-11	ELECT	0.47uF	20%	50V
C672	1-126-959-11	ELECT	0.47uF	20%	50V
C673	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C674	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C675	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C676	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C677	1-119-818-31	ELECT	0.33uF	20%	50V
C678	1-119-818-31	ELECT	0.33uF	20%	50V
C679	1-126-934-11	ELECT	220uF	20%	10V
C680	1-130-499-00	MYLAR	0.22uF	5%	50V
C681	1-130-499-00	MYLAR	0.22uF	5%	50V
C682	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C683	1-126-941-11	ELECT	470uF	20%	25V
C684	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C685	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		(AEP, UK, CIS, KR)			
C686	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		(AEP, UK, CIS, KR)			
C687	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C688	1-126-964-11	ELECT	10uF	20%	50V
C689	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		(AEP, UK, CIS, KR)			
C693	1-126-960-11	ELECT	1uF	20%	50V
C694	1-126-960-11	ELECT	1uF	20%	50V
C695	1-126-935-11	ELECT	470uF	20%	10V
C698	1-162-974-11	CERAMIC CHIP	0.01uF		50V
		(AEP, UK, CIS, KR)			
C699	1-162-974-11	CERAMIC CHIP	0.01uF		50V
		(AEP, UK, CIS, KR)			
C730	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C731	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description	Remark		
C732	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C733	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		(AEP, UK, CIS, KR)			
C734	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		(AEP, UK, CIS, KR)			
C764	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C765	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C766	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C767	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C801	1-126-964-11	ELECT	10uF	20%	50V
		(AEP, UK)			
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		(AEP, UK)			
C901	1-127-876-11	CERAMIC	0.01uF	10%	50V
		(AEP, UK, CIS, KR)			
C902	1-127-876-11	CERAMIC	0.01uF	10%	50V
		(AEP, UK, CIS, KR)			
C903	1-127-888-11	CERAMIC	0.1uF	10%	50V
		(AEP, UK, CIS, KR)			
C904	1-127-888-11	CERAMIC	0.1uF	10%	50V
		(AEP, UK, CIS, KR)			
C905	1-127-888-11	CERAMIC	0.1uF	10%	50V
		(AEP, UK, CIS, KR)			
< CONNECTOR >					
* CN301	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CN302	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
* CN503	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		(EXCEPT US, CND, AEP, UK, CIS)			
CN601	1-793-766-11	CONNECTOR, BOARD TO BOARD 30P			
CN691	1-784-780-11	CONNECTOR, FFC 19P			
CN694	1-568-830-11	CONNECTOR, FFC 11P			
CN801	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK)			
CN802	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK)			
< DIODE/SHORT >					
D009	8-719-072-05	DIODE D5SBA20-4003			
D010	8-719-500-56	DIODE D3SBA20			
D019	8-719-048-61	DIODE EGP20DL-6349			
D020	8-719-048-61	DIODE EGP20DL-6349			
D021	8-719-048-61	DIODE EGP20DL-6349			
D022	8-719-048-61	DIODE EGP20DL-6349			
D031	8-719-991-34	DIODE 1SS133T-72			
D032	8-719-988-61	DIODE 1SS355TE-17			
D033	8-719-988-61	DIODE 1SS355TE-17			
D041	6-500-522-21	DIODE 10EDB40-TB3 (AEP, UK, CIS)			
D042	6-500-522-21	DIODE 10EDB40-TB3 (AEP, UK, CIS)			
D043	6-500-522-21	DIODE 10EDB40-TB3 (AEP, UK, CIS)			
D044	6-500-522-21	DIODE 10EDB40-TB3 (AEP, UK, CIS)			
D045	8-719-083-87	DIODE UDZS-TE17-33B			
D063	8-719-820-05	DIODE 1SS181-TE85L			
D064	8-719-801-78	DIODE 1SS184-TE85L			
D065	8-719-988-61	DIODE 1SS355TE-17			
D066	8-719-988-61	DIODE 1SS355TE-17			
D067	8-719-801-78	DIODE 1SS184-TE85L			
D068	8-719-820-05	DIODE 1SS181-TE85L			
D069	8-719-988-61	DIODE 1SS355TE-17			
D101	8-719-820-05	DIODE 1SS181-TE85L			
D103	8-719-988-61	DIODE 1SS355TE-17			
D104	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D105	8-719-820-05	DIODE 1SS181-TE85L				< SHORT >	
D106	8-719-820-05	DIODE 1SS181-TE85L		JR001	1-216-864-11	SHORT CHIP	0
D107	8-719-801-78	DIODE 1SS184-TE85L		JR201	1-216-864-11	SHORT CHIP	0
D108	8-719-801-78	DIODE 1SS184-TE85L		JR202	1-216-864-11	SHORT CHIP	0
D109	8-719-046-74	DIODE AU-01Z-WS		JR203	1-216-864-11	SHORT CHIP	0
D110	8-719-046-74	DIODE AU-01Z-WS		JR204	1-216-864-11	SHORT CHIP	0
D111	8-719-801-78	DIODE 1SS184-TE85L		JR205	1-216-864-11	SHORT CHIP	0
D201	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT AEP, UK, CIS)				(EXCEPT US, CND, AEP, UK, CIS)	
D231	8-719-988-61	DIODE 1SS355TE-17		JR601	1-216-864-11	SHORT CHIP	0 (US, CND, AEP, UK, CIS)
D232	8-719-977-28	DIODE UDZSTE-1710B		JR602	1-216-864-11	SHORT CHIP	0
D235	8-719-059-21	DIODE RK46LF-T2		JR603	1-216-864-11	SHORT CHIP	0
D236	8-719-059-21	DIODE RK46LF-T2		JR604	1-216-864-11	SHORT CHIP	0
D239	8-719-069-55	DIODE UDZSTE-175.6B		JR605	1-216-864-11	SHORT CHIP	0
D240	8-719-069-55	DIODE UDZSTE-175.6B		JR606	1-216-864-11	SHORT CHIP	0
D241	8-719-988-61	DIODE 1SS355TE-17		JR607	1-216-864-11	SHORT CHIP	0
D242	1-216-295-00	SHORT CHIP 0		JR608	1-216-864-11	SHORT CHIP	0
D243	8-719-801-78	DIODE 1SS184-TE85L		JR611	1-216-296-11	SHORT CHIP	0 (US, CND, AEP, UK, CIS)
D244	8-719-820-05	DIODE 1SS181-TE85L		JR612	1-216-864-11	SHORT CHIP	0
D281	8-719-801-78	DIODE 1SS184-TE85L		JR615	1-216-864-11	SHORT CHIP	0
D291	8-719-820-05	DIODE 1SS181-TE85L		JR616	1-216-864-11	SHORT CHIP	0
D292	8-719-801-78	DIODE 1SS184-TE85L		JR618	1-216-864-11	SHORT CHIP	0
D301	8-719-820-05	DIODE 1SS181-TE85L		JR619	1-216-864-11	SHORT CHIP	0
D501	8-719-801-78	DIODE 1SS184-TE85L		JR620	1-216-864-11	SHORT CHIP	0
		(EXCEPT US, CND, AEP, UK, CIS)		JR621	1-216-864-11	SHORT CHIP	0
D661	8-719-083-60	DIODE UDZSTE-174.7B		JR622	1-216-864-11	SHORT CHIP	0
D662	8-719-083-60	DIODE UDZSTE-174.7B		JR625	1-216-296-11	SHORT CHIP	0 (AEP, UK, CIS, KR)
D663	8-719-988-61	DIODE 1SS355TE-17		JR651	1-216-296-11	SHORT CHIP	0
D671	8-719-988-61	DIODE 1SS355TE-17		JR701	1-216-864-11	SHORT CHIP	0
D691	6-500-522-21	DIODE 10EDB40-TB3		JR702	1-216-864-11	SHORT CHIP	0
D692	6-500-522-21	DIODE 10EDB40-TB3		JR801	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK)
D693	6-500-522-21	DIODE 10EDB40-TB3				< DIODE >	
D694	6-500-522-21	DIODE 10EDB40-TB3		JW690	6-500-522-21	DIODE 10EDB40-TB3	
D695	8-719-988-61	DIODE 1SS355TE-17				< COIL >	
D697	6-500-522-21	DIODE 10EDB40-TB3		L201	1-422-009-13	COIL, AIR-CORE	
D698	8-719-991-34	DIODE 1SS133T-72		L202	1-422-009-13	COIL, AIR-CORE	
D801	8-719-069-54	DIODE UDZSTE-175.1B (AEP, UK)		L311	1-424-849-11	COIL, OSCILLATION (BIAS) (US, CND)	
		< GROUND TERMINAL >		L311	1-437-220-11	TRANSFORMER, BIAS OSCILLATION	
* EP001	1-537-738-21	TERMINAL, EARTH				(EXCEPT US, CND)	
* EP099	1-537-738-21	TERMINAL, EARTH		L901	1-410-501-11	INDUCTOR	2.2uH (AEP, UK, CIS, KR)
		< FERRITE BEAD/SHORT >				< TRANSISTOR >	
FB601	1-216-295-00	SHORT CHIP 0		Q022	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
FB602	1-216-295-00	SHORT CHIP 0		Q023	8-729-201-53	TRANSISTOR	2SA1015TP-GR
FB693	1-410-396-71	INDUCTOR 0.45uH		Q024	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
		< IC >		Q041	8-729-201-53	TRANSISTOR	2SA1015TP-GR
IC001	8-759-701-59	IC TA7809S		Q043	8-729-201-53	TRANSISTOR	2SA1015TP-GR
IC002	8-759-701-59	IC TA7809S		Q044	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
IC003	6-701-760-01	IC uPC3504AHF				(EXCEPT AEP, UK, CIS)	
IC601	6-702-895-01	IC BD3881FV		Q045	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
IC671	6-704-074-01	IC NJM2156M (TE2)		Q046	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
IC672	8-759-396-78	IC BU2092F-E2		Q047	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
		< JACK >		Q063	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
J203	1-694-635-12	TERMINAL BOARD (4P) (SPEAKER)		Q064	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
J602	1-793-987-11	JACK, PIN 2P (VIDEO/AUX)		Q101	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
				Q102	8-729-216-31	TRANSISTOR	2SA1163G-TE85L

MAIN

Ref. No.	Part No.	Description	Remark
Q103	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
Q104	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
Q105	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q106	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q107	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q108	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q109	8-729-271-31	TRANSISTOR	2SC2713G-TE85L
Q110	8-729-271-31	TRANSISTOR	2SC2713G-TE85L
Q111	8-729-255-12	TRANSISTOR	2SC2910S-TP (EXCEPT AEP, UK, CIS)
Q111	8-729-823-99	TRANSISTOR	2SC2909-AA (AEP, UK, CIS)
Q112	8-729-255-12	TRANSISTOR	2SC2910S-TP (EXCEPT AEP, UK, CIS)
Q112	8-729-823-99	TRANSISTOR	2SC2909-AA (AEP, UK, CIS)
Q117	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q118	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q119	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q120	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q121	6-550-309-01	TRANSISTOR	2SB1686 (AEP, UK, CIS)
Q122	6-550-309-01	TRANSISTOR	2SB1686 (AEP, UK, CIS)
Q123	6-550-311-01	TRANSISTOR	2SD2642 (AEP, UK, CIS)
Q124	6-550-311-01	TRANSISTOR	2SD2642 (AEP, UK, CIS)
Q125	6-550-292-01	TRANSISTOR	FP1016 (EXCEPT AEP, UK, CIS)
Q126	6-550-292-01	TRANSISTOR	FP1016 (EXCEPT AEP, UK, CIS)
Q127	6-550-291-01	TRANSISTOR	FN1016 (EXCEPT AEP, UK, CIS)
Q128	6-550-291-01	TRANSISTOR	FN1016 (EXCEPT AEP, UK, CIS)
Q129	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
Q130	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
Q181	8-729-052-79	TRANSISTOR	2SD1306NETL
Q182	8-729-052-79	TRANSISTOR	2SD1306NETL
Q183	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
Q201	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF (EXCEPT AEP, UK, CIS)
Q231	6-550-293-01	FET	2SK2937
Q232	6-550-293-01	FET	2SK2937
Q233	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
Q234	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q235	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
Q281	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
Q282	8-729-271-31	TRANSISTOR	2SC2713G-TE85L
Q291	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q292	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
Q301	6-550-290-01	FET	2SJ460
Q302	6-550-290-01	FET	2SJ460
Q303	8-729-048-99	FET	2SK2541-T
Q304	8-729-048-99	FET	2SK2541-T
Q305	6-550-290-01	FET	2SJ460
Q306	6-550-290-01	FET	2SJ460
Q307	8-729-048-99	FET	2SK2541-T
Q308	8-729-048-99	FET	2SK2541-T
Q309	8-729-048-99	FET	2SK2541-T
Q310	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2
Q311	8-729-201-53	TRANSISTOR	2SA1015TP-GR
Q312	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF

Ref. No.	Part No.	Description	Remark
Q501	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF (EXCEPT US, CND, AEP, UK, CIS)
Q503	8-729-195-23	TRANSISTOR	2SA952TP-K1K2 (EXCEPT US, CND, AEP, UK, CIS)
Q601	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q641	8-729-045-62	FET	2SK2158-T2B
Q642	8-729-045-62	FET	2SK2158-T2B
Q643	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q671	8-729-045-62	FET	2SK2158-T2B
Q672	8-729-045-62	FET	2SK2158-T2B
Q673	8-729-045-62	FET	2SK2158-T2B
Q674	8-729-045-62	FET	2SK2158-T2B
Q675	8-729-045-62	FET	2SK2158-T2B
Q676	8-729-045-62	FET	2SK2158-T2B
Q677	8-729-045-62	FET	2SK2158-T2B
< RESISTOR >			
R001	1-216-134-00	METAL CHIP	2.2 5% 1/8W (US, CND, AEP, UK, CIS)
R001	1-219-397-11	RES-CHIP	1.8 5% 1/8W (EXCEPT US, CND, AEP, UK, CIS)
R004	1-216-134-00	METAL CHIP	2.2 5% 1/8W (US, CND, AEP, UK, CIS)
R004	1-219-397-11	RES-CHIP	1.8 5% 1/8W (EXCEPT US, CND, AEP, UK, CIS)
R005	1-216-134-00	METAL CHIP	2.2 5% 1/8W (US, CND, AEP, UK, CIS)
R005	1-219-397-11	RES-CHIP	1.8 5% 1/8 (EXCEPT US, CND, AEP, UK, CIS)
R008	1-216-134-00	METAL CHIP	2.2 5% 1/8W (US, CND, AEP, UK, CIS)
R008	1-219-397-11	RES-CHIP	1.8 5% 1/8 (EXCEPT US, CND, AEP, UK, CIS)
R009	1-216-234-00	RES-CHIP	33K 5% 1/8W
R010	1-216-234-00	RES-CHIP	33K 5% 1/8W
R011	1-216-234-00	RES-CHIP	33K 5% 1/8W
R012	1-216-234-00	RES-CHIP	33K 5% 1/8W
R013	1-216-234-00	RES-CHIP	33K 5% 1/8W
R014	1-216-234-00	RES-CHIP	33K 5% 1/8W
R015	1-216-234-00	RES-CHIP	33K 5% 1/8W (AEP, UK, CIS)
R016	1-216-234-00	RES-CHIP	33K 5% 1/8W (AEP, UK, CIS)
△ R017	1-219-121-11	FUSIBLE	0.22 5% 1/4W (EXCEPT AEP, UK, CIS)
△ R017	1-219-122-91	FUSIBLE	0.33 5% 1/4W (AEP, UK, CIS)
R024	1-216-184-00	RES-CHIP	270 5% 1/8W
R025	1-216-184-00	RES-CHIP	270 5% 1/8W
R026	1-216-188-00	RES-CHIP	390 5% 1/8W (AEP, UK, CIS)
R026	1-216-190-00	RES-CHIP	470 5% 1/8W (EXCEPT AEP, UK, CIS)
R027	1-216-188-00	RES-CHIP	390 5% 1/8W (AEP, UK, CIS)
R027	1-216-190-00	RES-CHIP	470 5% 1/8W (EXCEPT AEP, UK, CIS)
R028	1-216-190-00	RES-CHIP	470 5% 1/8W
R029	1-216-188-00	RES-CHIP	390 5% 1/8W (AEP, UK, CIS)

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R029	1-216-190-00	RES-CHIP	470	5%	1/8W (EXCEPT AEP, UK, CIS)	R080	1-216-845-11	METAL CHIP	100K	5%	1/10W
R030	1-216-188-00	RES-CHIP	390	5%	1/8W (AEP, UK, CIS)	R082	1-216-840-11	METAL CHIP	39K	5%	1/10W
R030	1-216-190-00	RES-CHIP	470	5%	1/8W (EXCEPT AEP, UK, CIS)	R083	1-216-840-11	METAL CHIP	39K	5%	1/10W
R031	1-216-833-11	METAL CHIP	10K	5%	1/10W	R084	1-216-843-11	METAL CHIP	68K	5%	1/10W (AEP, UK, CIS)
R032	1-216-841-11	METAL CHIP	47K	5%	1/10W	R084	1-216-844-11	METAL CHIP	82K	5%	1/10W (EXCEPT AEP, UK, CIS)
R033	1-216-843-11	METAL CHIP	68K	5%	1/10W	R085	1-216-843-11	METAL CHIP	68K	5%	1/10W (AEP, UK, CIS)
R035	1-216-832-11	METAL CHIP	8.2K	5%	1/10W						
R036	1-216-836-11	METAL CHIP	18K	5%	1/10W	R085	1-216-844-11	METAL CHIP	82K	5%	1/10W (EXCEPT AEP, UK, CIS)
R038	1-216-296-11	SHORT CHIP	0			R086	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R087	1-216-833-11	METAL CHIP	10K	5%	1/10W
R041	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP, UK, CIS)	R092	1-216-809-11	METAL CHIP	100	5%	1/10W
R042	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP, UK, CIS)	R093	1-216-835-11	METAL CHIP	15K	5%	1/10W
R043	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP, UK, CIS)	R094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R044	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP, UK, CIS)	R095	1-216-835-11	METAL CHIP	15K	5%	1/10W
R045	1-216-174-00	RES-CHIP	100	5%	1/8W (E, E51, SP, TW, AUS)	R096	1-216-839-11	METAL CHIP	33K	5%	1/10W
						R097	1-216-839-11	METAL CHIP	33K	5%	1/10W
R045	1-216-182-00	RES-CHIP	220	5%	1/8W (US, CND)	R105	1-216-837-11	METAL CHIP	22K	5%	1/10W
R045	1-216-184-00	RES-CHIP	270	5%	1/8W (AEP, UK, CIS)	R106	1-216-837-11	METAL CHIP	22K	5%	1/10W
R045	1-216-296-11	SHORT CHIP	0 (MX, KR)			R107	1-216-838-11	METAL CHIP	27K	5%	1/10W
R046	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R108	1-216-838-11	METAL CHIP	27K	5%	1/10W
R047	1-216-061-00	RES-CHIP	3.3K	5%	1/10W (AEP, UK, CIS, E51, MX)	R109	1-216-809-11	METAL CHIP	100	5%	1/10W
						R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R047	1-216-065-00	RES-CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK, CIS, E51, MX)	R113	1-216-820-11	METAL CHIP	820	5%	1/10W (US, CND)
R048	1-216-295-00	SHORT CHIP	0			R113	1-216-821-11	METAL CHIP	1K	5%	1/10W (EXCEPT US, CND)
R049	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R114	1-216-820-11	METAL CHIP	820	5%	1/10W (US, CND)
R050	1-216-001-00	METAL CHIP	10	5%	1/10W	R114	1-216-821-11	METAL CHIP	1K	5%	1/10W (EXCEPT US, CND)
R051	1-216-097-11	RES-CHIP	100K	5%	1/10W	R115	1-216-083-00	METAL CHIP	27K	5%	1/10W
R061	1-216-234-00	RES-CHIP	33K	5%	1/8W (EXCEPT AEP, UK, CIS)	R116	1-216-083-00	METAL CHIP	27K	5%	1/10W
R062	1-216-234-00	RES-CHIP	33K	5%	1/8W (EXCEPT AEP, UK, CIS)	R117	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R063	1-216-234-00	RES-CHIP	33K	5%	1/8W (EXCEPT AEP, UK, CIS)	R118	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R064	1-216-234-00	RES-CHIP	33K	5%	1/8W (EXCEPT AEP, UK, CIS)	R119	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R067	1-216-840-11	METAL CHIP	39K	5%	1/10W	R120	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R068	1-216-840-11	METAL CHIP	39K	5%	1/10W	R121	1-216-198-00	RES-CHIP	1K	5%	1/8W
R069	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R122	1-216-198-00	RES-CHIP	1K	5%	1/8W
R070	1-216-838-11	METAL CHIP	27K	5%	1/10W	R123	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R071	1-216-838-11	METAL CHIP	27K	5%	1/10W	R124	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R072	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R125	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R073	1-216-838-11	METAL CHIP	27K	5%	1/10W	R126	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R074	1-216-838-11	METAL CHIP	27K	5%	1/10W	R127	1-216-809-11	METAL CHIP	100	5%	1/10W
R075	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R128	1-216-809-11	METAL CHIP	100	5%	1/10W
R076	1-216-821-11	METAL CHIP	1K	5%	1/10W	R129	1-216-809-11	METAL CHIP	100	5%	1/10W
R077	1-216-821-11	METAL CHIP	1K	5%	1/10W	R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R078	1-216-834-11	METAL CHIP	12K	5%	1/10W (EXCEPT US, CND, AEP, UK, CIS)	R131	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R078	1-216-864-11	SHORT CHIP	0 (US, CND, AEP, UK, CIS)			R132	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R079	1-216-834-11	METAL CHIP	12K	5%	1/10W (EXCEPT US, CND, AEP, UK, CIS)	R133	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
						R134	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R079	1-216-864-11	SHORT CHIP	0 (US, CND, AEP, UK, CIS)			R137	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
						R138	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
						R139	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R140	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R141	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R142	1-216-821-11	METAL CHIP	1K	5%	1/10W

MAIN

Ref. No.	Part No.	Description	Remark			
R143	1-216-804-11	METAL CHIP	39	5%	1/10W	
R144	1-216-804-11	METAL CHIP	39	5%	1/10W	
R147	1-216-864-11	SHORT CHIP	0			
R148	1-216-864-11	SHORT CHIP	0			
△ R149	1-216-361-31	METAL OXIDE	0.22	5%	2W	F
△ R150	1-216-361-31	METAL OXIDE	0.22	5%	2W	F
△ R151	1-216-361-31	METAL OXIDE	0.22	5%	2W	F
△ R152	1-216-361-31	METAL OXIDE	0.22	5%	2W	F
R153	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R153	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	
				(AEP, UK, CIS)		
R154	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R154	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	
				(AEP, UK, CIS)		
R155	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
				(AEP, UK, CIS)		
R155	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R156	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
				(AEP, UK, CIS)		
R156	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R157	1-216-809-11	METAL CHIP	100	5%	1/10W	
R158	1-216-809-11	METAL CHIP	100	5%	1/10W	
R159	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R160	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R161	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R161	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	
				(AEP, UK, CIS)		
R162	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R162	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	
				(AEP, UK, CIS)		
R181	1-216-834-11	METAL CHIP	12K	5%	1/10W	
R182	1-216-834-11	METAL CHIP	12K	5%	1/10W	
R183	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	
R184	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	
R185	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R186	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R201	1-249-393-11	CARBON	10	5%	1/4W	
R202	1-249-393-11	CARBON	10	5%	1/4W	
R203	1-216-150-11	RES-CHIP	10	5%	1/8W	
R204	1-216-150-11	RES-CHIP	10	5%	1/8W	
R208	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R209	1-216-841-11	METAL CHIP	47K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R210	1-216-156-00	RES-CHIP	18	5%	1/8W	
				(EXCEPT AEP, UK, CIS)		
R211	1-216-296-11	SHORT CHIP	0	(EXCEPT AEP, UK, CIS)		
R212	1-216-296-11	SHORT CHIP	0	(EXCEPT AEP, UK, CIS)		
R213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
				(EXCEPT AEP, UK, CIS)		
R236	1-216-861-11	METAL CHIP	2.2M	5%	1/10W	
R237	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R238	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	
R239	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	

Ref. No.	Part No.	Description	Remark			
R241	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R242	1-216-073-00	RES-CHIP	10K	5%	1/10W	
R243	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R244	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R246	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	
R248	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	
R249	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	
R250	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	
R252	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R257	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R258	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R259	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R260	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R261	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R263	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R264	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R280	1-216-073-00	RES-CHIP	10K	5%	1/10W	
R281	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R282	1-216-834-11	METAL CHIP	12K	5%	1/10W	
R283	1-216-836-11	METAL CHIP	18K	5%	1/10W	
R284	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R290	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R291	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R292	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R293	1-216-846-11	METAL CHIP	120K	5%	1/10W	
R294	1-216-846-11	METAL CHIP	120K	5%	1/10W	
R295	1-216-837-11	METAL CHIP	22K	5%	1/10W	
				(US, CND)		
R295	1-216-841-11	METAL CHIP	47K	5%	1/10W	
				(EXCEPT US, CND)		
R296	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R297	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R301	1-216-840-11	METAL CHIP	39K	5%	1/10W	
R302	1-216-840-11	METAL CHIP	39K	5%	1/10W	
R303	1-216-844-11	METAL CHIP	82K	5%	1/10W	
R304	1-216-844-11	METAL CHIP	82K	5%	1/10W	
R305	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W	
				(US, CND)		
R311	1-216-835-11	METAL CHIP	15K	5%	1/10W	
				(EXCEPT US, CND)		
R312	1-216-833-11	METAL CHIP	10K	5%	1/10W	
				(US, CND)		
R312	1-216-835-11	METAL CHIP	15K	5%	1/10W	
				(EXCEPT US, CND)		
R313	1-216-837-11	METAL CHIP	22K	5%	1/10W	
				(EXCEPT US, CND)		
R313	1-216-838-11	METAL CHIP	27K	5%	1/10W	
				(US, CND)		
R314	1-216-797-11	METAL CHIP	10	5%	1/10W	
R315	1-216-804-11	METAL CHIP	39	5%	1/10W	
				(US, CND)		
R315	1-216-808-11	METAL CHIP	82	5%	1/10W	
				(EXCEPT US, CND)		
R316	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R317	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R318	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R501	1-216-841-11	METAL CHIP	47K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R633	1-216-824-11	METAL CHIP	1.8K 5% 1/10W (EXCEPT US, CND)
R502	1-216-849-11	METAL CHIP	220K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R633	1-216-827-11	METAL CHIP	3.3K 5% 1/10W (US, CND)
R503	1-216-832-11	METAL CHIP	8.2K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R634	1-216-824-11	METAL CHIP	1.8K 5% 1/10W (EXCEPT US, CND)
R504	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R634	1-216-827-11	METAL CHIP	3.3K 5% 1/10W (US, CND)
R505	1-216-827-11	METAL CHIP	3.3K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R635	1-216-819-11	METAL CHIP	680 5% 1/10W (EXCEPT US, CND)
R506	1-216-833-11	METAL CHIP	10K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R635	1-216-822-11	METAL CHIP	1.2K 5% 1/10W (US, CND)
R507	1-216-864-11	SHORT CHIP	0 (EXCEPT US, CND, AEP, UK, CIS)	R636	1-216-819-11	METAL CHIP	680 5% 1/10W (EXCEPT US, CND)
R511	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R636	1-216-822-11	METAL CHIP	1.2K 5% 1/10W (US, CND)
R512	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)	R637	1-216-815-11	METAL CHIP	330 5% 1/10W
R601	1-216-809-11	METAL CHIP	100 5% 1/10W	R638	1-216-815-11	METAL CHIP	330 5% 1/10W
R602	1-216-809-11	METAL CHIP	100 5% 1/10W	R643	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R603	1-216-852-11	METAL CHIP	390K 5% 1/10W	R644	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R604	1-216-852-11	METAL CHIP	390K 5% 1/10W	R645	1-216-850-11	METAL CHIP	270K 5% 1/10W
R605	1-216-822-11	METAL CHIP	1.2K 5% 1/10W	R646	1-216-850-11	METAL CHIP	270K 5% 1/10W
R606	1-216-822-11	METAL CHIP	1.2K 5% 1/10W	R647	1-216-850-11	METAL CHIP	270K 5% 1/10W
R607	1-216-845-11	METAL CHIP	100K 5% 1/10W	R648	1-216-852-11	METAL CHIP	390K 5% 1/10W
R608	1-216-845-11	METAL CHIP	100K 5% 1/10W	R649	1-216-852-11	METAL CHIP	390K 5% 1/10W
R609	1-216-836-11	METAL CHIP	18K 5% 1/10W	R651	1-216-809-11	METAL CHIP	100 5% 1/10W
R610	1-216-836-11	METAL CHIP	18K 5% 1/10W	R652	1-216-809-11	METAL CHIP	100 5% 1/10W
R611	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R653	1-216-837-11	METAL CHIP	22K 5% 1/10W
R612	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	R654	1-216-837-11	METAL CHIP	22K 5% 1/10W
R615	1-216-835-11	METAL CHIP	15K 5% 1/10W	R655	1-216-837-11	METAL CHIP	22K 5% 1/10W
R616	1-216-835-11	METAL CHIP	15K 5% 1/10W	R656	1-216-837-11	METAL CHIP	22K 5% 1/10W
R617	1-216-835-11	METAL CHIP	15K 5% 1/10W	R657	1-216-842-11	METAL CHIP	56K 5% 1/10W (EXCEPT US, CND, AEP, UK, CIS)
R618	1-216-835-11	METAL CHIP	15K 5% 1/10W	R658	1-216-837-11	METAL CHIP	22K 5% 1/10W
R619	1-216-838-11	METAL CHIP	27K 5% 1/10W	R659	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R620	1-216-838-11	METAL CHIP	27K 5% 1/10W	R661	1-216-835-11	METAL CHIP	15K 5% 1/10W
R621	1-216-830-11	METAL CHIP	5.6K 5% 1/10W	R662	1-216-841-11	METAL CHIP	47K 5% 1/10W
R622	1-216-830-11	METAL CHIP	5.6K 5% 1/10W	R663	1-216-833-11	METAL CHIP	10K 5% 1/10W
R623	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	R664	1-218-867-11	METAL CHIP	6.8K 5% 1/10W
R624	1-216-828-11	METAL CHIP	3.9K 5% 1/10W	R665	1-218-867-11	METAL CHIP	6.8K 5% 1/10W
R625	1-216-827-11	METAL CHIP	3.3K 5% 1/10W (EXCEPT AEP, UK)	R666	1-216-826-11	METAL CHIP	2.7K 5% 1/10W
R625	1-216-828-11	METAL CHIP	3.9K 5% 1/10W (AEP, UK)	R667	1-216-826-11	METAL CHIP	2.7K 5% 1/10W
R626	1-216-827-11	METAL CHIP	3.3K 5% 1/10W (EXCEPT AEP, UK)	R670	1-216-833-11	METAL CHIP	10K 5% 1/10W
R626	1-216-828-11	METAL CHIP	3.9K 5% 1/10W (AEP, UK)	R671	1-216-842-11	METAL CHIP	56K 5% 1/10W
R627	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R672	1-216-833-11	METAL CHIP	10K 5% 1/10W
R628	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R673	1-216-821-11	METAL CHIP	1K 5% 1/10W
R629	1-216-833-11	METAL CHIP	10K 5% 1/10W	R674	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R630	1-216-833-11	METAL CHIP	10K 5% 1/10W	R675	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
R631	1-216-817-11	METAL CHIP	470 5% 1/10W (US, CND)	R676	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R631	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (EXCEPT US, CND)	R677	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R632	1-216-817-11	METAL CHIP	470 5% 1/10W (US, CND)	R678	1-216-817-11	METAL CHIP	470 5% 1/10W
R632	1-216-825-11	METAL CHIP	2.2K 5% 1/10W (EXCEPT US, CND)	R679	1-216-834-11	METAL CHIP	12K 5% 1/10W
				R680	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R681	1-218-867-11	METAL CHIP	6.8K 5% 1/10W
				R682	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
				R683	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
				R684	1-216-817-11	METAL CHIP	470 5% 1/10W
				R685	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
				R686	1-216-828-11	METAL CHIP	3.9K 5% 1/10W

MAIN

MOTOR (LD)

MOTOR (TB)

PANEL

Ref. No.	Part No.	Description	Remark		
R687	1-216-821-11	METAL CHIP	1K	5%	1/10W
R688	1-216-816-11	METAL CHIP	390	5%	1/10W
R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
R692	1-216-833-11	METAL CHIP	10K	5%	1/10W
R693	1-216-821-11	METAL CHIP	1K	5%	1/10W
R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
R695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R696	1-216-821-11	METAL CHIP	1K	5%	1/10W
R697	1-216-837-11	METAL CHIP	22K	5%	1/10W
R698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R699	1-216-821-11	METAL CHIP	1K	5%	1/10W
R700	1-216-837-11	METAL CHIP	22K	5%	1/10W
R701	1-216-837-11	METAL CHIP	22K	5%	1/10W
R702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R730	1-216-833-11	METAL CHIP	10K	5%	1/10W
R731	1-216-833-11	METAL CHIP	10K	5%	1/10W
R732	1-216-833-11	METAL CHIP	10K	5%	1/10W
R733	1-216-841-11	METAL CHIP	47K	5%	1/10W
R734	1-216-841-11	METAL CHIP	47K	5%	1/10W
R735	1-216-841-11	METAL CHIP	47K	5%	1/10W
R736	1-216-841-11	METAL CHIP	47K	5%	1/10W
R737	1-216-841-11	METAL CHIP	47K	5%	1/10W
R738	1-216-841-11	METAL CHIP	47K	5%	1/10W
R739	1-216-841-11	METAL CHIP	47K	5%	1/10W
R761	1-216-845-11	METAL CHIP	100K	5%	1/10W
R762	1-216-845-11	METAL CHIP	100K	5%	1/10W
R763	1-216-845-11	METAL CHIP	100K	5%	1/10W
R764	1-216-849-11	METAL CHIP	220K	5%	1/10W
R765	1-216-849-11	METAL CHIP	220K	5%	1/10W
R766	1-216-849-11	METAL CHIP	220K	5%	1/10W
R767	1-216-849-11	METAL CHIP	220K	5%	1/10W
R801	1-216-813-11	METAL CHIP	220	5%	1/10W
					(AEP, UK)
R807	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(AEP, UK)
R809	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R810	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(AEP, UK)
R812	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
< RELAY >					
RY201	1-755-307-11	RELAY (EXCEPT AEP, UK, CIS)			
< THERMISTOR >					
TH101	1-803-790-21	THERMISTOR			
TH102	1-803-790-21	THERMISTOR			
< CONNECTOR >					
WH013	1-817-363-11	HOLDER, WIRE 11P			
WH201	1-816-818-11	HLDR, WIRE 2.5-5P			

1-687-133-11 MOTOR (LD) BOARD					

Ref. No.	Part No.	Description	Remark		
	1-687-134-11	MOTOR (TB) BOARD	*****		
		< CONNECTOR >			
CN742	1-784-727-11	CONNECTOR, FFC 5P	*****		
	A-4732-641-A	PANEL BOARD, COMPLETE (US, CND)			
	A-4733-014-A	PANEL BOARD, COMPLETE (E51)			
	A-4734-513-A	PANEL BOARD, COMPLETE (MX)			
	A-4747-732-A	PANEL BOARD, COMPLETE (CIS)			
	A-4747-795-A	PANEL BOARD, COMPLETE	(E, SP, TW, KR, AUS)		
	A-4748-179-A	PANEL BOARD, COMPLETE (AEP, UK)	*****		
		< CAPACITOR >			
C201	1-126-960-11	ELECT	1uF	20%	50V
C202	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C203	1-126-965-11	ELECT	22uF	20%	50V
C204	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C207	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C208	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C210	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C211	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C213	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C214	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C215	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C413	1-126-960-11	ELECT	1uF	20%	50V
			(EXCEPT US, CND, AEP, UK, CIS)		
C414	1-164-156-11	CERAMIC CHIP	0.1uF		25V
			(EXCEPT US, CND, AEP, UK, CIS)		
C415	1-164-156-11	CERAMIC CHIP	0.1uF		25V
			(EXCEPT US, CND, AEP, UK, CIS)		
C501	1-126-960-11	ELECT	1uF	20%	50V
C502	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C503	1-126-960-11	ELECT	1uF	20%	50V
C504	1-126-916-11	ELECT	1000uF	20%	6.3V
C505	1-126-964-11	ELECT	10uF	20%	50V
C507	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C509	1-126-965-11	ELECT	22uF	20%	50V
C510	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C601	1-126-947-11	ELECT	47uF	20%	16V
C809	1-126-947-11	ELECT	47uF	20%	16V
C902	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C903	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C904	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C905	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C906	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C907	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C908	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C909	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C910	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C911	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C912	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C914	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C915	1-131-992-11	CERAMIC CHIP 0.1uF	35V	< FLUORESCENT INDICATOR TUBE >			
C916	1-126-163-11	ELECT 4.7uF 20%	50V	FL901	1-518-894-11	INDICATOR TUBE, FLUORESCENT	
C917	1-126-163-11	ELECT 4.7uF 20%	50V	< IC >			
C918	1-164-156-11	CERAMIC CHIP 0.1uF	25V	IC201	6-704-046-01	IC BU2099FV	
C919	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	IC501	6-704-135-01	IC MM1614A	
C920	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	IC502	8-759-533-04	IC M62703ML-E1	
C921	1-164-156-11	CERAMIC CHIP 0.1uF	25V	IC801	6-600-213-01	IC GP1UE271XK	
C922	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	IC901	6-803-359-01	IC LC876764C-52C7	(US, CND, E, SP, TW, KR, AUS)
C923	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	< SHORT >			
C924	1-216-864-11	SHORT CHIP 0		IC901	6-803-497-01	IC LC876796B-52D8 (AEP, UK, CIS, E51, MX)	
C926	1-164-156-11	CERAMIC CHIP 0.1uF	25V	< SHORT >			
C927	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR101	1-216-296-11	SHORT CHIP 0 (AEP, UK)	
C930	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR102	1-216-296-11	SHORT CHIP 0	
C931	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR201	1-216-864-11	SHORT CHIP 0	
C932	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR202	1-216-864-11	SHORT CHIP 0	
C933	1-164-173-11	CERAMIC CHIP 0.0039uF 10%	50V	JR203	1-216-864-11	SHORT CHIP 0	
C935	1-128-057-11	ELECT 330uF 20%	6.3V	JR204	1-216-864-11	SHORT CHIP 0	
C999	1-126-916-11	ELECT 1000uF 20%	6.3V	JR205	1-216-864-11	SHORT CHIP 0	
< CONNECTOR >				JR206	1-216-864-11	SHORT CHIP 0	
CN101	1-793-767-11	CONNECTOR, BOARD TO BOARD 30P		JR213	1-216-864-11	SHORT CHIP 0	
CN403	1-784-784-11	CONNECTOR, FFC 23P		JR215	1-216-864-11	SHORT CHIP 0	
CN601	1-784-774-11	CONNECTOR, FFC 13P		JR216	1-216-864-11	SHORT CHIP 0	
CN701	1-568-830-11	CONNECTOR, FFC 11P		JR218	1-216-864-11	SHORT CHIP 0	
< DIODE >				JR219	1-216-864-11	SHORT CHIP 0	
D101	8-719-991-34	DIODE 1SS133T-72		JR220	1-216-864-11	SHORT CHIP 0	
D201	8-719-991-34	DIODE 1SS133T-72		JR401	1-216-864-11	SHORT CHIP 0	
D402	8-719-991-34	DIODE 1SS133T-72		JR402	1-216-864-11	SHORT CHIP 0	(EXCEPT US, CND, AEP, UK, CIS)
(EXCEPT US, CND, AEP, UK, CIS)				JR601	1-216-296-11	SHORT CHIP 0	
D501	8-719-991-34	DIODE 1SS133T-72		JR602	1-216-864-11	SHORT CHIP 0	
D502	8-719-991-34	DIODE 1SS133T-72		JR902	1-216-864-11	SHORT CHIP 0	
D503	8-719-991-34	DIODE 1SS133T-72		JR903	1-216-864-11	SHORT CHIP 0	
D504	8-719-991-34	DIODE 1SS133T-72		JR905	1-216-864-11	SHORT CHIP 0	
D505	8-719-991-34	DIODE 1SS133T-72		JR906	1-216-864-11	SHORT CHIP 0	
D506	8-719-991-34	DIODE 1SS133T-72		JR907	1-216-864-11	SHORT CHIP 0	
D507	8-719-921-80	DIODE MTZJ-T-72-11B		JR908	1-216-864-11	SHORT CHIP 0	
D508	8-719-991-34	DIODE 1SS133T-72		JR909	1-216-296-11	SHORT CHIP 0	
D601	8-719-991-34	DIODE 1SS133T-72		JR910	1-216-864-11	SHORT CHIP 0	
D602	8-719-991-34	DIODE 1SS133T-72		JR911	1-216-864-11	SHORT CHIP 0	
D605	8-719-991-34	DIODE 1SS133T-72 (EXCEPT US, CND)		JR912	1-216-864-11	SHORT CHIP 0	
D607	8-719-991-34	DIODE 1SS133T-72 (US, CND, E51, MX)		JR913	1-216-864-11	SHORT CHIP 0	
D608	8-719-991-34	DIODE 1SS133T-72		< LED >			
(EXCEPT US, CND, AEP, UK, CIS)				LED202	6-500-643-01	DIODE SLR-505VCT31 (ILLUMINATION)	
D609	8-719-991-34	DIODE 1SS133T-72 (AEP, UK, CIS)		LED203	6-500-644-01	DIODE SLR-505DCT31 (ILLUMINATION)	
D610	8-719-991-34	DIODE 1SS133T-72 (CIS)		LED204	6-500-642-01	DIODE SLR-505YCT31 (ILLUMINATION)	
D611	8-719-991-34	DIODE 1SS133T-72 (E, SP, TW, KR)		LED205	6-500-643-01	DIODE SLR-505VCT31 (ILLUMINATION)	
D612	8-719-991-34	DIODE 1SS133T-72 (US, CND, E51, MX)		LED206	6-500-644-01	DIODE SLR-505DCT31 (ILLUMINATION)	
D614	8-719-991-34	DIODE 1SS133T-72 (AEP, UK)		LED207	6-500-642-01	DIODE SLR-505YCT31 (ILLUMINATION)	
D620	8-719-820-05	DIODE 1SS181-TE85L		< TRANSISTOR >			
D621	8-719-820-05	DIODE 1SS181-TE85L		Q201	8-729-120-28	TRANSISTOR 2SC3052EF-T1-LEF	
D622	8-719-820-05	DIODE 1SS181-TE85L		Q202	8-729-120-28	TRANSISTOR 2SC3052EF-T1-LEF	
D623	8-719-820-05	DIODE 1SS181-TE85L		Q204	8-729-120-28	TRANSISTOR 2SC3052EF-T1-LEF	
D624	8-719-820-05	DIODE 1SS181-TE85L		Q205	8-729-120-28	TRANSISTOR 2SC3052EF-T1-LEF	
D625	8-719-820-05	DIODE 1SS181-TE85L					
D626	8-719-820-05	DIODE 1SS181-TE85L					
D627	8-719-820-05	DIODE 1SS181-TE85L					

PANEL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q206	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF			R242	1-216-188-00	RES-CHIP	390	5%	1/8W
Q601	8-729-116-57	TRANSISTOR	2SB1068TP-K			R243	1-216-188-00	RES-CHIP	390	5%	1/8W
Q602	8-729-140-04	TRANSISTOR	2SB1116-TP-LK			R244	1-249-412-11	CARBON	390	5%	1/4W
Q603	8-729-140-04	TRANSISTOR	2SB1116-TP-LK			R245	1-216-188-00	RES-CHIP	390	5%	1/8W
Q604	8-729-900-80	TRANSISTOR	RN1202TPE4			R246	1-216-188-00	RES-CHIP	390	5%	1/8W
Q605	8-729-900-80	TRANSISTOR	RN1202TPE4			R247	1-216-834-11	METAL CHIP	12K	5%	1/10W
Q606	8-729-900-80	TRANSISTOR	RN1202TPE4			R248	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q607	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R249	1-216-838-11	METAL CHIP	27K	5%	1/10W
Q901	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF			R254	1-216-849-11	METAL CHIP	220K	5%	1/10W
< RESISTOR >						R261	1-216-833-11	METAL CHIP	10K	5%	1/10W
R101	1-249-433-11	CARBON	22K	5%	1/4W (AEP, UK)	R262	1-216-833-11	METAL CHIP	10K	5%	1/10W
R102	1-249-436-11	CARBON	39K	5%	1/4W (AEP, UK)	R263	1-216-833-11	METAL CHIP	10K	5%	1/10W
R103	1-249-436-11	CARBON	39K	5%	1/4W (AEP, UK)	R264	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R104	1-249-417-11	CARBON	1K	5%	1/4W	R334	1-216-833-11	METAL CHIP	10K	5%	1/10W
R105	1-249-417-11	CARBON	1K	5%	1/4W	R335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R106	1-249-417-11	CARBON	1K	5%	1/4W	R336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R107	1-249-417-11	CARBON	1K	5%	1/4W	R415	1-216-809-11	METAL CHIP	100	5%	1/10W (EXCEPT US, CND, AEP, UK, CIS)
R108	1-249-417-11	CARBON	1K	5%	1/4W	R416	1-216-850-11	METAL CHIP	270K	5%	1/10W (EXCEPT US, CND, AEP, UK, CIS)
R109	1-249-417-11	CARBON	1K	5%	1/4W	R417	1-216-835-11	METAL CHIP	15K	5%	1/10W (EXCEPT US, CND, AEP, UK, CIS)
R110	1-249-417-11	CARBON	1K	5%	1/4W	R418	1-216-853-11	METAL CHIP	470K	5%	1/10W (EXCEPT US, CND, AEP, UK, CIS)
R111	1-249-417-11	CARBON	1K	5%	1/4W	R419	1-216-821-11	METAL CHIP	1K	5%	1/10W (EXCEPT US, CND, AEP, UK, CIS)
R112	1-249-417-11	CARBON	1K	5%	1/4W	R501	1-249-408-11	CARBON	180	5%	1/4W
R113	1-249-417-11	CARBON	1K	5%	1/4W	R502	1-216-841-11	METAL CHIP	47K	5%	1/10W
R114	1-249-417-11	CARBON	1K	5%	1/4W	R503	1-216-841-11	METAL CHIP	47K	5%	1/10W
R118	1-249-393-11	CARBON	10	5%	1/4W	R504	1-249-429-11	CARBON	10K	5%	1/4W
R119	1-249-417-11	CARBON	1K	5%	1/4W	R505	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R121	1-249-417-11	CARBON	1K	5%	1/4W	R506	1-216-815-11	METAL CHIP	330	5%	1/10W
R122	1-249-417-11	CARBON	1K	5%	1/4W	R507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R201	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R601	1-216-809-11	METAL CHIP	100	5%	1/10W
R202	1-247-807-31	CARBON	100	5%	1/4W	R607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R203	1-216-849-11	METAL CHIP	220K	5%	1/10W	R608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R204	1-216-840-11	METAL CHIP	39K	5%	1/10W	R609	1-216-821-11	METAL CHIP	1K	5%	1/10W
R205	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R206	1-216-864-11	SHORT CHIP	0			R611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R208	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R612	1-216-821-11	METAL CHIP	1K	5%	1/10W
R210	1-216-809-11	METAL CHIP	100	5%	1/10W	R625	1-216-841-11	METAL CHIP	47K	5%	1/10W
R211	1-216-834-11	METAL CHIP	12K	5%	1/10W	R626	1-216-841-11	METAL CHIP	47K	5%	1/10W
R212	1-216-851-11	METAL CHIP	330K	5%	1/10W	R627	1-216-841-11	METAL CHIP	47K	5%	1/10W
R213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R628	1-216-841-11	METAL CHIP	47K	5%	1/10W
R214	1-216-849-11	METAL CHIP	220K	5%	1/10W	R629	1-216-841-11	METAL CHIP	47K	5%	1/10W
R215	1-216-809-11	METAL CHIP	100	5%	1/10W	R630	1-216-841-11	METAL CHIP	47K	5%	1/10W
R216	1-216-851-11	METAL CHIP	330K	5%	1/10W	R631	1-216-841-11	METAL CHIP	47K	5%	1/10W
R217	1-216-849-11	METAL CHIP	220K	5%	1/10W	R637	1-216-841-11	METAL CHIP	47K	5%	1/10W
R218	1-216-809-11	METAL CHIP	100	5%	1/10W	R638	1-249-417-11	CARBON	1K	5%	1/4W
R219	1-216-833-11	METAL CHIP	10K	5%	1/10W	R639	1-249-417-11	CARBON	1K	5%	1/4W
R220	1-216-849-11	METAL CHIP	220K	5%	1/10W	R640	1-249-417-11	CARBON	1K	5%	1/4W
R221	1-216-841-11	METAL CHIP	47K	5%	1/10W	R641	1-249-417-11	CARBON	1K	5%	1/4W
R222	1-216-849-11	METAL CHIP	220K	5%	1/10W	R642	1-249-417-11	CARBON	1K	5%	1/4W
R223	1-216-809-11	METAL CHIP	100	5%	1/10W	R643	1-249-417-11	CARBON	1K	5%	1/4W
R225	1-247-807-31	CARBON	100	5%	1/4W	R644	1-249-421-11	CARBON	2.2K	5%	1/4W
R226	1-249-429-11	CARBON	10K	5%	1/4W	R645	1-249-421-11	CARBON	2.2K	5%	1/4W
R227	1-249-429-11	CARBON	10K	5%	1/4W	R701	1-216-809-11	METAL CHIP	100	5%	1/10W
R228	1-249-429-11	CARBON	10K	5%	1/4W	R702	1-247-807-31	CARBON	100	5%	1/4W
R241	1-216-188-00	RES-CHIP	390	5%	1/8W						

PANEL

PT

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R703	1-216-809-11	METAL CHIP	100 5% 1/10W	R953	1-249-441-11	CARBON	100K 5% 1/4W
R704	1-216-809-11	METAL CHIP	100 5% 1/10W	R954	1-216-828-11	METAL CHIP	3.9K 5% 1/10W
R705	1-216-809-11	METAL CHIP	100 5% 1/10W	R957	1-249-441-11	CARBON	100K 5% 1/4W
R706	1-216-809-11	METAL CHIP	100 5% 1/10W	R958	1-219-570-11	METAL CHIP	10M 5% 1/10W
R707	1-216-809-11	METAL CHIP	100 5% 1/10W	R959	1-216-853-11	METAL CHIP	470K 5% 1/10W
R708	1-216-809-11	METAL CHIP	100 5% 1/10W	R960	1-216-809-11	METAL CHIP	100 5% 1/10W
R709	1-247-807-31	CARBON	100 5% 1/4W	R961	1-216-821-11	METAL CHIP	1K 5% 1/10W
R817	1-249-401-11	CARBON	47 5% 1/4W	R962	1-216-821-11	METAL CHIP	1K 5% 1/10W
R818	1-249-438-11	CARBON	56K 5% 1/4W	R963	1-216-821-11	METAL CHIP	1K 5% 1/10W
R902	1-216-841-11	METAL CHIP	47K 5% 1/10W	R964	1-216-845-11	METAL CHIP	100K 5% 1/10W
R903	1-216-841-11	METAL CHIP	47K 5% 1/10W	R965	1-216-845-11	METAL CHIP	100K 5% 1/10W
R904	1-216-841-11	METAL CHIP	47K 5% 1/10W	R966	1-216-845-11	METAL CHIP	100K 5% 1/10W
R905	1-216-841-11	METAL CHIP	47K 5% 1/10W	R967	1-216-845-11	METAL CHIP	100K 5% 1/10W
R906	1-216-841-11	METAL CHIP	47K 5% 1/10W	R968	1-216-845-11	METAL CHIP	100K 5% 1/10W
R907	1-216-841-11	METAL CHIP	47K 5% 1/10W	R969	1-216-845-11	METAL CHIP	100K 5% 1/10W
R908	1-216-841-11	METAL CHIP	47K 5% 1/10W	R970	1-216-845-11	METAL CHIP	100K 5% 1/10W
R909	1-216-841-11	METAL CHIP	47K 5% 1/10W	R971	1-249-441-11	CARBON	100K 5% 1/4W
R910	1-216-841-11	METAL CHIP	47K 5% 1/10W	R972	1-249-439-11	CARBON	68K 5% 1/4W
R911	1-216-841-11	METAL CHIP	47K 5% 1/10W				(AEP, UK)
R912	1-216-841-11	METAL CHIP	47K 5% 1/10W	R972	1-249-441-11	CARBON	100K 5% 1/4W
R913	1-216-845-11	METAL CHIP	100K 5% 1/10W				(EXCEPT AEP, UK)
R914	1-216-845-11	METAL CHIP	100K 5% 1/10W	R973	1-216-843-11	METAL CHIP	68K 5% 1/10W
R915	1-216-845-11	METAL CHIP	100K 5% 1/10W				(AEP, UK)
R916	1-216-845-11	METAL CHIP	100K 5% 1/10W	R973	1-216-845-11	METAL CHIP	100K 5% 1/10W
R917	1-216-845-11	METAL CHIP	100K 5% 1/10W				(EXCEPT AEP, UK)
R918	1-216-845-11	METAL CHIP	100K 5% 1/10W	R974	1-249-441-11	CARBON	100K 5% 1/4W
R919	1-216-845-11	METAL CHIP	100K 5% 1/10W	R975	1-249-441-11	CARBON	100K 5% 1/4W
R920	1-216-845-11	METAL CHIP	100K 5% 1/10W	R976	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R921	1-216-845-11	METAL CHIP	100K 5% 1/10W			< VIBRATOR >	
R922	1-216-845-11	METAL CHIP	100K 5% 1/10W	X901	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)	
R923	1-216-845-11	METAL CHIP	100K 5% 1/10W	X902	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)	
R924	1-216-845-11	METAL CHIP	100K 5% 1/10W			*****	
R925	1-216-845-11	METAL CHIP	100K 5% 1/10W				
R926	1-216-845-11	METAL CHIP	100K 5% 1/10W		1-688-399-12	PT BOARD (EXCEPT E, E51, SP, TW)	
R927	1-216-845-11	METAL CHIP	100K 5% 1/10W		1-688-763-11	PT BOARD (E, E51, SP, TW)	
R928	1-216-845-11	METAL CHIP	100K 5% 1/10W			*****	
R929	1-216-845-11	METAL CHIP	100K 5% 1/10W			< CAPACITOR >	
R930	1-216-845-11	METAL CHIP	100K 5% 1/10W				
R931	1-216-845-11	METAL CHIP	100K 5% 1/10W	C003	1-162-974-11	CERAMIC CHIP	0.01uF 50V
R932	1-216-845-11	METAL CHIP	100K 5% 1/10W				(E, E51, SP, TW)
R933	1-216-845-11	METAL CHIP	100K 5% 1/10W	C091	1-165-621-11	CERAMIC CHIP	0.1uF 50V
R934	1-216-845-11	METAL CHIP	100K 5% 1/10W				(AEP, UK, CIS)
R935	1-216-845-11	METAL CHIP	100K 5% 1/10W			< CONNECTOR >	
R936	1-216-845-11	METAL CHIP	100K 5% 1/10W				
R937	1-216-845-11	METAL CHIP	100K 5% 1/10W	* CN090	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	
R938	1-216-845-11	METAL CHIP	100K 5% 1/10W				(E, E51, SP, TW)
R939	1-216-845-11	METAL CHIP	100K 5% 1/10W	* CN091	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	
R940	1-216-845-11	METAL CHIP	100K 5% 1/10W				(EXCEPT E, E51, SP, TW)
R941	1-216-845-11	METAL CHIP	100K 5% 1/10W	CN093	1-817-542-11	CONNECTOR 11P (E, E51, SP, TW)	
R942	1-249-420-11	CARBON	1.8K 5% 1/4W			< DIODE >	
R943	1-249-420-11	CARBON	1.8K 5% 1/4W				
R944	1-249-427-11	CARBON	6.8K 5% 1/4W	D002	8-719-820-05	DIODE 1SS181-TE85L (E, E51, SP, TW)	
R945	1-249-427-11	CARBON	6.8K 5% 1/4W	D003	8-719-801-78	DIODE 1SS184-TE85L (E, E51, SP, TW)	
R946	1-216-845-11	METAL CHIP	100K 5% 1/10W	D091	8-719-820-05	DIODE 1SS181-TE85L	
R947	1-216-845-11	METAL CHIP	100K 5% 1/10W				(EXCEPT E, E51, SP, TW)
R948	1-216-845-11	METAL CHIP	100K 5% 1/10W	D092	8-719-801-78	DIODE 1SS184-TE85L	
R949	1-216-845-11	METAL CHIP	100K 5% 1/10W				(EXCEPT E, E51, SP, TW)
R950	1-216-845-11	METAL CHIP	100K 5% 1/10W				

Ref. No.	Part No.	Description	Remark
< TRANSFORMER >			
△ PT002	1-439-976-11	TRANSFORMER, POWER (E, E51, SP, TW)	
△ PT011	1-439-734-11	TRANSFORMER, POWER (US, CND)	
△ PT011	1-439-735-11	TRANSFORMER, POWER (AEP, UK, CIS)	
△ PT011	1-439-944-11	TRANSFORMER, POWER (MX, KR)	
△ PT011	1-439-976-11	TRANSFORMER, POWER (AUS)	
< RESISTOR >			
△ R098	1-202-723-00	SOLID 2.2M 20% 1/2W (US, CND)	
< RELAY >			
△ RY001	1-755-276-11	RELAY, POWER	
< SWITCH >			
△ S001	1-786-404-11	SW, SL 1-2-2 SWS2201 (VOLTAGE SELECTOR) (E, E51, SP, TW)	
< CONNECTOR >			
WH093	1-817-363-11	HOLDER, WIRE 11P (EXCEPT E, E51, SP, TW)	

	1-687-132-11	SENSOR BOARD	

CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P	
< IC >			
IC731 (not supplied)			

	1-687-669-11	SW BOARD	

< SWITCH >			
S751	1-786-514-11	SWITCH, LEVER (SLIDE) (OPEN/CLOSE DETECT)	

MISCELLANEOUS			

55	1-796-485-51	DECK, MECHANICAL (CWM43FF13) (US,CND)	
55	1-796-486-41	DECK, MECHANICAL (CWM43FR16) (AEP, UK, CIS, E, E51, SP, TW, KR, AUS)	
55	1-796-486-51	DECK, MECHANICAL (CWM43FR26)(MX)	
106	1-751-688-11	WIRE (FLAT TYPE) (13 CORE)	
107	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)	
108	1-769-857-11	WIRE (FLAT TYPE) (5 CORE)	
110	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
254	1-693-615-11	TUNER PACK (E, MX, E51, SP, TW, AUS)	
254	1-693-616-11	TUNER PACK (AEP, UK)	
254	1-693-617-11	TUNER (KR)	
254	1-693-618-11	TUNER PACK (CIS)	
254	1-693-631-11	TUNER PACK (US, CND)	
256	1-769-943-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP, UK)	
256	1-773-007-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
257	1-827-222-11	WIRE (FLAT TYPE) (19 CORE)	

Ref. No.	Part No.	Description	Remark
△ 259	1-696-845-11	CORD, POWER (AUS)	
△ 259	1-757-140-11	CORD, POWER (AEP, SP, CIS, E51)	
△ 259	1-775-787-62	CORD, POWER (UK)	
△ 259	1-823-296-11	CORD, POWER (KR)	
△ 259	1-823-597-11	CORD, POWER (US, CND)	
△ 259	1-827-226-21	CORD, POWER (E, MX)	
△ 259	1-827-597-11	CORD, POWER (TW)	
260	1-400-285-11	F-BEAD, E2515MRT	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
602	1-471-035-11	MAGNET ASSY	
△ 657	8-820-020-11	OPTICAL PICK-UP KSS-213D/Z-RP	
658	1-823-859-11	WIRE (FLAT TYPE) (16 CORE)	
C901	1-127-888-11	CERAMIC 0.1uF 10% 50V	
C902	1-127-888-11	CERAMIC 0.1uF 10% 50V	
C903	1-127-888-11	CERAMIC 0.1uF 10% 50V (US, CND, E, SP, TW, KR, AUS)	
C904	1-127-888-11	CERAMIC 0.1uF 10% 50V (US, CND, E, SP, TW, KR, AUS)	
C905	1-127-888-11	CERAMIC 0.1uF 10% 50V (US, CND, E, SP, TW, KR, AUS)	
M501	1-763-738-31	FAN, DC	
M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
M702	X-2161-802-1	CHASSIS ASSY (DCP), T. T (SPINDLE)	
M741	A-4723-963-A	MOTOR ASSY, TABLE	
M751	A-4736-655-A	MOTOR ASSY, LOADING (EXCEPT MX)	
M751	A-4737-533-A	MOTOR ASSY, LOADING (MX)	
△ PT002	1-439-762-11	TRANSFORMER, POWER (US)	
△ PT002	1-439-921-11	TRANSFORMER, POWER (AEP, UK, CIS)	
△ PT002	1-439-923-11	TRANSFORMER, POWER (MX)	
△ PT002	1-439-924-11	TRANSFORMER, POWER (KR)	
△ PT002	1-439-968-11	TRANSFORMER, POWER (CND)	
△ PT002	1-443-049-11	TRANSFORMER, POWER (AUS)	
△ PT003	1-439-922-11	TRANSFORMER, POWER (E, E51, SP, TW)	
S711	1-477-680-11	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	
M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	

ACCESSORIES

△	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK)
△	1-569-008-32	ADAPTOR, CONVERSION PLUG (E51)

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

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

MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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