

CX-JN1

SERVICE MANUAL

Ver. 1.4 2004.10



*AEP Model
UK Model
E Model
Australian Model*

CX-JN1 is the amplifier, CD player, tape deck and tuner section in JAX-N1/PK1.

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM74S-K6BD72
	Base Unit Name	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

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)
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)

Except AEP, UK, CIS models: 13.2 dBf
FM antenna terminal 75 ohms (unbalanced)

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

AMPLIFIER

Power output
AEP, UK, CIS models: Rated: 12 W + 12 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500)
Reference: 15 W + 15 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324)
MUSIC POWER: 27 W + 27 W
Except AEP, UK, CIS models: Rated: 36 W + 36 W (1 kHz, T.H.D. 1 %, 6 ohms)
Reference: 45 W + 45 W (1 kHz, T.H.D. 10 %, 6 ohms)

Total harmonic distortion 0.08 % (6 W, 1 kHz, 6 ohms, DIN AUDIO)
Input VIDEO/AUX: 400 mV
MIC: 1.7 mV (10k ohms)
(Except AEP, UK, CIS models)
Outputs SPEAKER: 6 ohms or more
PHONES: 32 ohms or more

CASSETTE DECK

Track format 4 tracks, 2 channels stereo
Frequency response 50 Hz – 8 kHz
AC bias
Recording system Deck A: playback x 1
Heads Deck B: recording/playback x 1,
erase x 1

CD PLAYER

Laser Semiconductor laser
(λ = 780 nm)
Emission duration: continuous
1 bit dual
D/A converter 1 bit dual
Signal-to-noise ratio 85 dB (1 kHz, 0 dB)
Harmonic distortion 0.05 % (1 kHz, 0 dB)

GENERAL

Power requirements
AEP, UK, CIS models: 230 V AC, 50/60 Hz
E, E51, SP, TW models: 110 - 120V / 220 - 240V AC
(Switchable), 50 Hz/60 Hz
EA models: 120 - 127V / 220 V AC
(Switchable), 50 Hz/60 Hz
KR model: 220 V AC, 60 Hz
AUS model: 240 V AC, 50 Hz/60 Hz
Power consumption
AEP, UK, CIS models: 40 W
Except AEP, UK, CIS models: 74 W
Power consumption With ECO mode on: 0.25 W
in standby mode With ECO mode off: 15 W
Dimensions (W x H x D) 280 x 330 x 392.5 mm
Weight
AEP, UK, CIS models: 6.1 kg
E51 model: 6.7 kg
E, EA, SP, TW, KR, AUS models: 6.8 kg

Specifications and external appearance are subject to change without notice.

– Continued on next page –

COMPACT DISC DECK RECEIVER

9-877-271-05

2004J05-1

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Personal Audio Company

Published by Sony Engineering Corporation



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- Abbreviation
AUS : Australian model
EA : Saudi Arabia model
E51 : Chilean and Peruvian models
KR : Korean model
SP : Singapore model
TW : Taiwan model

Notes on chip component replacement

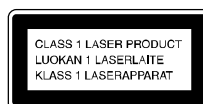
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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.

CAUTION

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



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.



SAFETY-RELATED COMPONENT WARNING!!

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

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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.

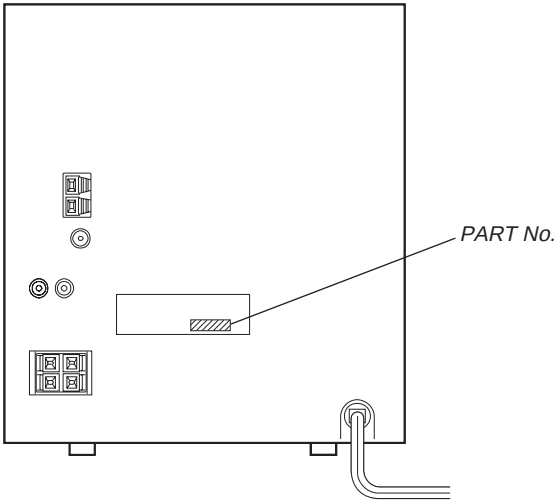
UNLEADED SOLDER

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 –

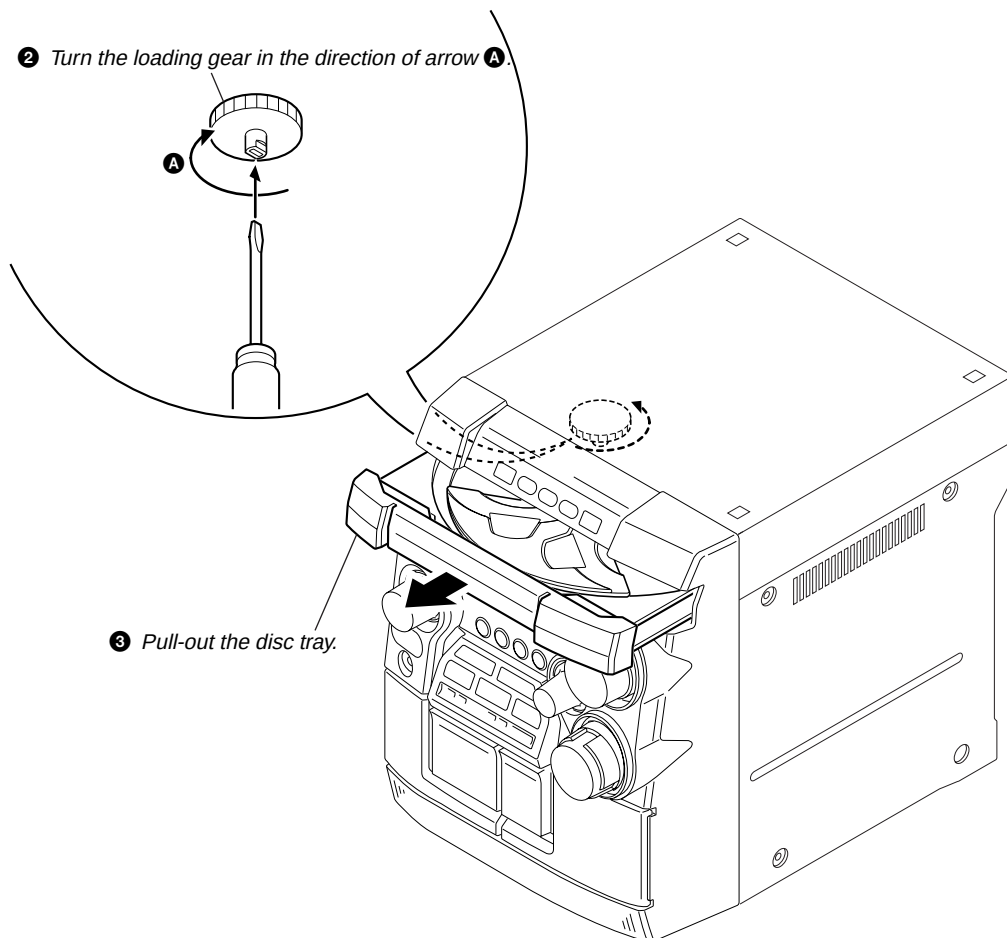


MODEL	PART No.
CIS model	4-245-154-4□
E, Singapore and Taiwan models	4-245-201-0□
Chilean and Peruvian models	4-245-201-2□
AEP and UK models	4-245-201-3□
Korean and Australian models	4-245-201-6□
Saudi Arabia model	4-245-279-0□

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

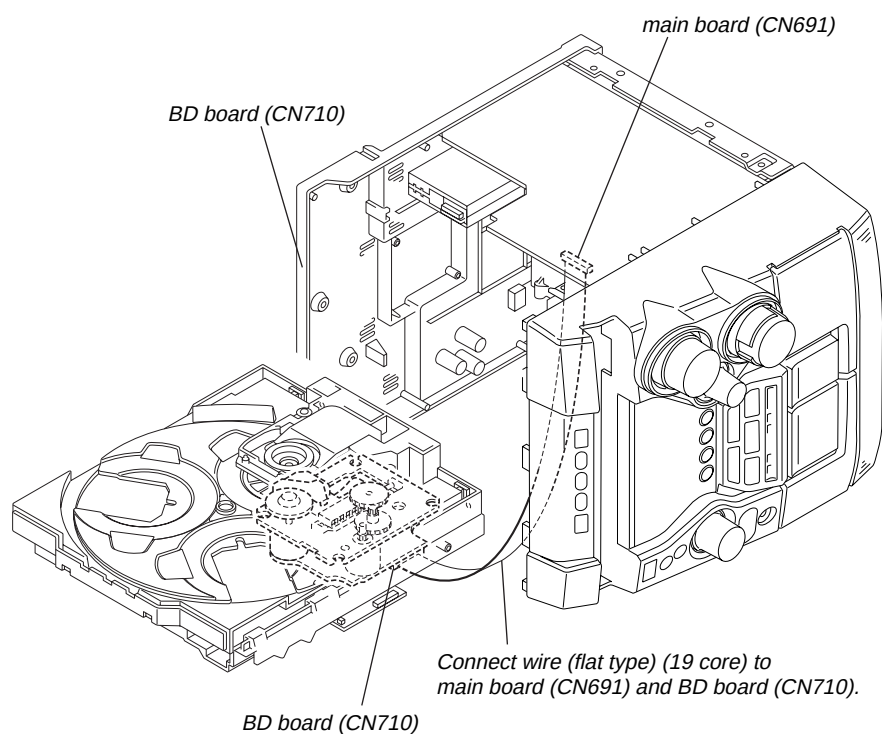
❶ Remove the case (side-L).

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

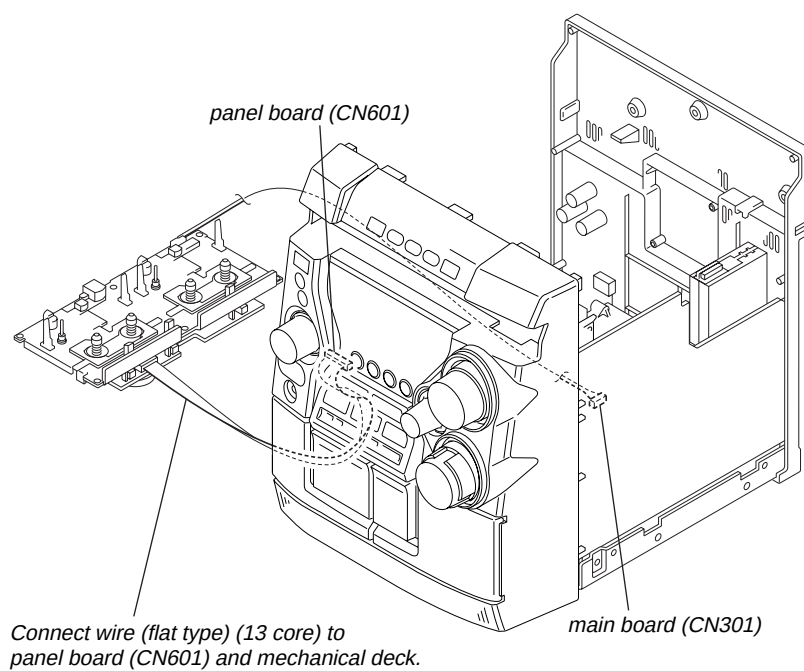


❸ Pull-out the disc tray.

SERVICE POSITION – CD mechanism deck –



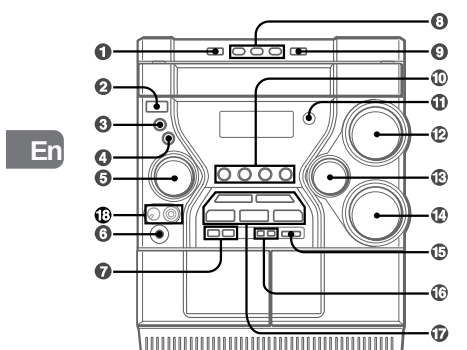
– Tape mechanism deck –



SECTION 2
GENERALThis section is extracted from
instruction manual.

• LOCATION OF CONTROLS

Main unit: front

**1 DISC CHANGE**

Rotates the CD trays.

2 POWER $\odot$ STANDBY/ONSwitches 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: 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 jackPlug 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 Remote sensor

Receives a signal from the remote.

12 VOLUME

Adjusts the volume.

13 TREBLE

Enhances high frequency sound.

14 BASS

Emphasizes low frequency sound.

15 i-Bass

Produces rich and clear low frequency sound.

16 PTY (AEP, UK)

Displays a program type for RDS (Radio Data System)

RT (AEP, UK)

Displays text information for RDS (Radio Data System)

17 $\blacktriangleright$ PLAY/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 forwards 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 in to preset.

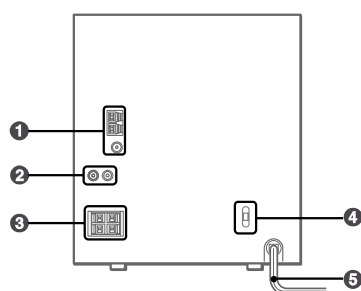
18 MIC MIXING (Except AEP, UK, CIS)

Adjusts the microphone volume.

MIC jack (Except AEP, UK, CIS)

Connects the microphone here.

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:

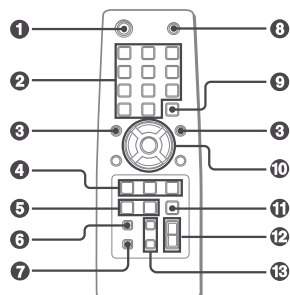
To change the displayed name for this function, turn the unit on, then hold down VIDEO/AUX and press POWER on the unit. Repeat the procedure to select "VIDEO", "AUX" or "TV".

3 $\boxtimes$ SPEAKER terminals

Connect the speaker cord of the supplied front speakers here.

4 AC voltage selector (E, Chilean, Peruvian, Saudi Arabia, Singapore, Taiwan)Switches AC voltage between 110 - 120V and 220 - 240V.
Make sure it matches your local voltage.**5 AC power cord**

Remote control



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 in to 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

TUNER MODE

Switches between stereo or monaural FM reception.

KARAOKE (Except AEP, UK, CIS)

Selects a Multiplex mode.

3 I◀◀, ▶▶I

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 PLAY MODE

Selects Shuffle or Programmed playback in CD function.

REPEAT

Enters CD repeat playback mode.

ENTER

5 CLOCK/TIMER/SET

Enters timer setting mode.

CLOCK/TIMER/SELECT

Selects timer playback, timer recording or timer off.

6 DISPLAY

Displays the time and the remaining time for CD.

7 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.

8 FUNCTION

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

9 DISC SKIP

Select a disc.

10 ▶/◀▶

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.

11 SLEEP

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

12 VOLUME (+, -)

Adjusts the volume.

13 SOUND

Selects BASS or TREBLE setting mode

CLEAR

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

Note

The buttons not explained above (**ALBUM** ^, v and **SPECTRUM**) do not operate for this unit.

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

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 I◀◀ or ▶▶I repeatedly until "CLOCK SET" appears in the display and then press ENTER.

3 Press I◀◀ or ▶▶I repeatedly to set the hour and then press ENTER.

4 Press I◀◀ or ▶▶I 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 I◀◀ or ▶▶I.

To display the time

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

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

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

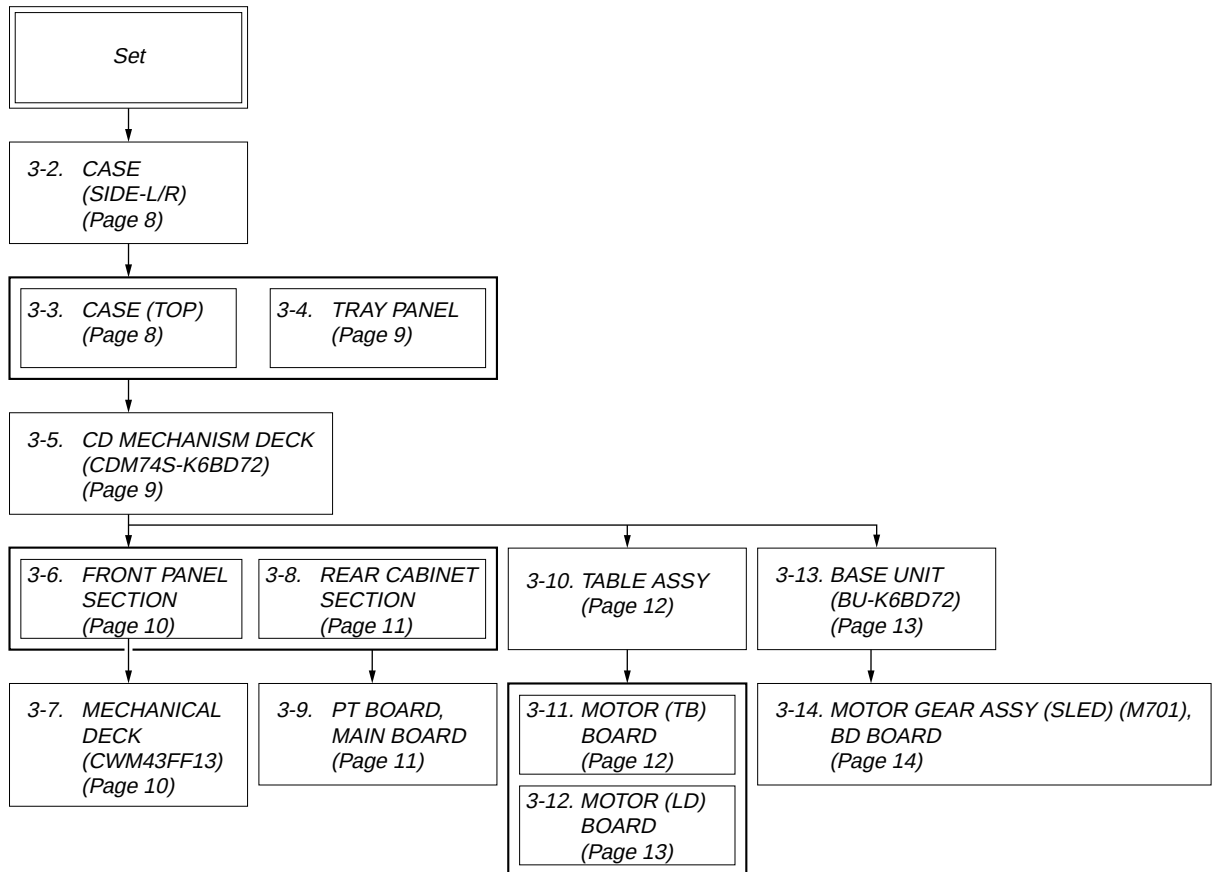
SECTION 3 DISASSEMBLY

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

3-1. DISASSEMBLY FLOW

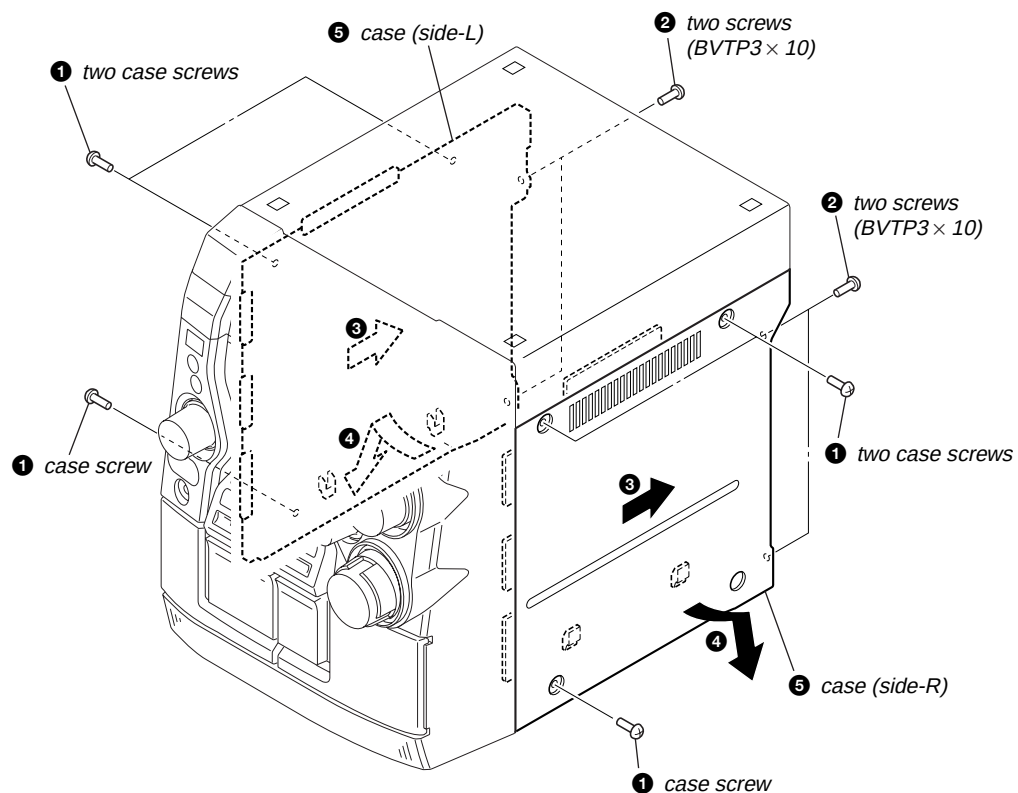
Note 1: The process described in  can be performed in any order.

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

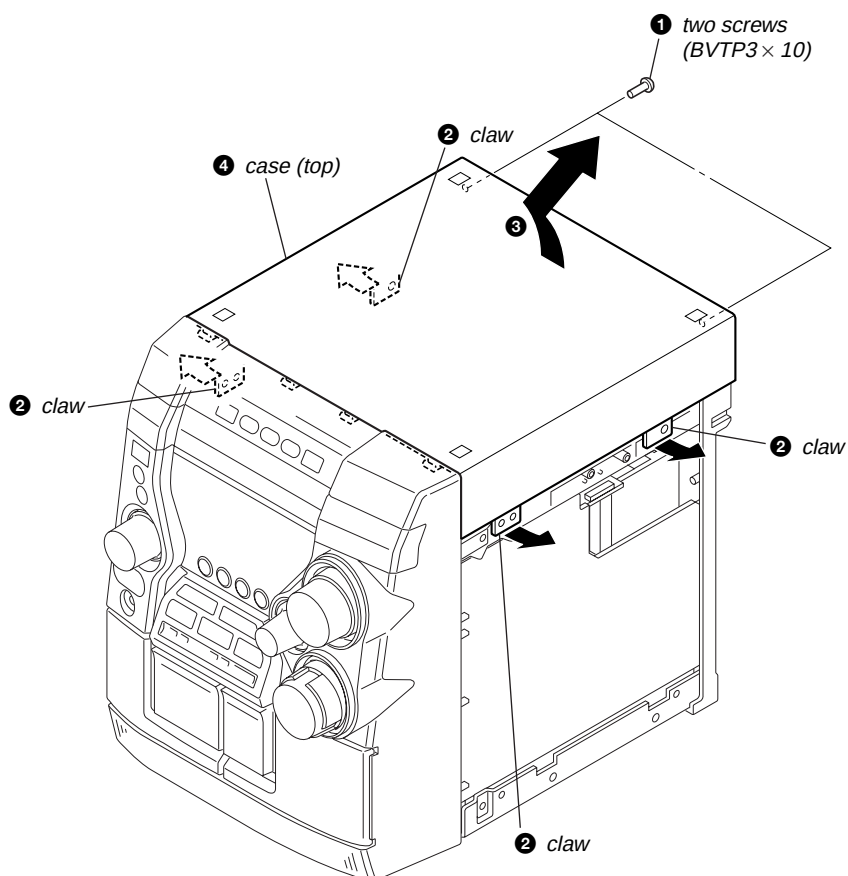


Note: Follow the disassembly procedure in the numerical order given.

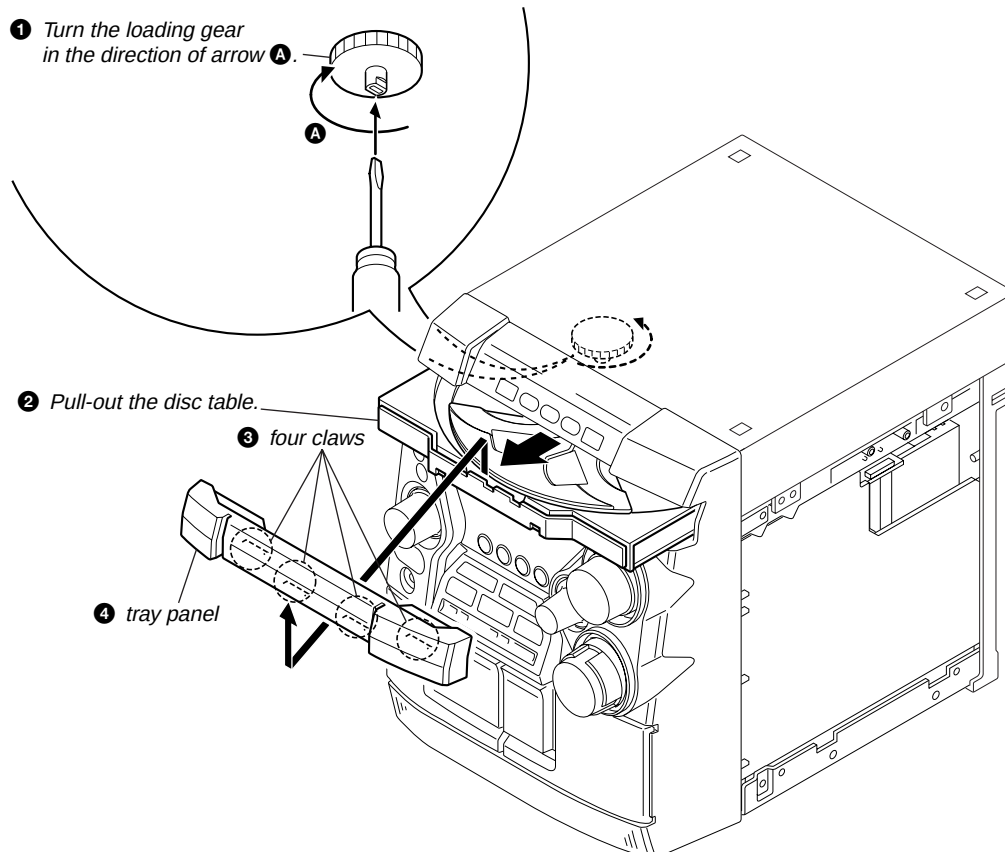
3-2. CASE (SIDE-L/R)



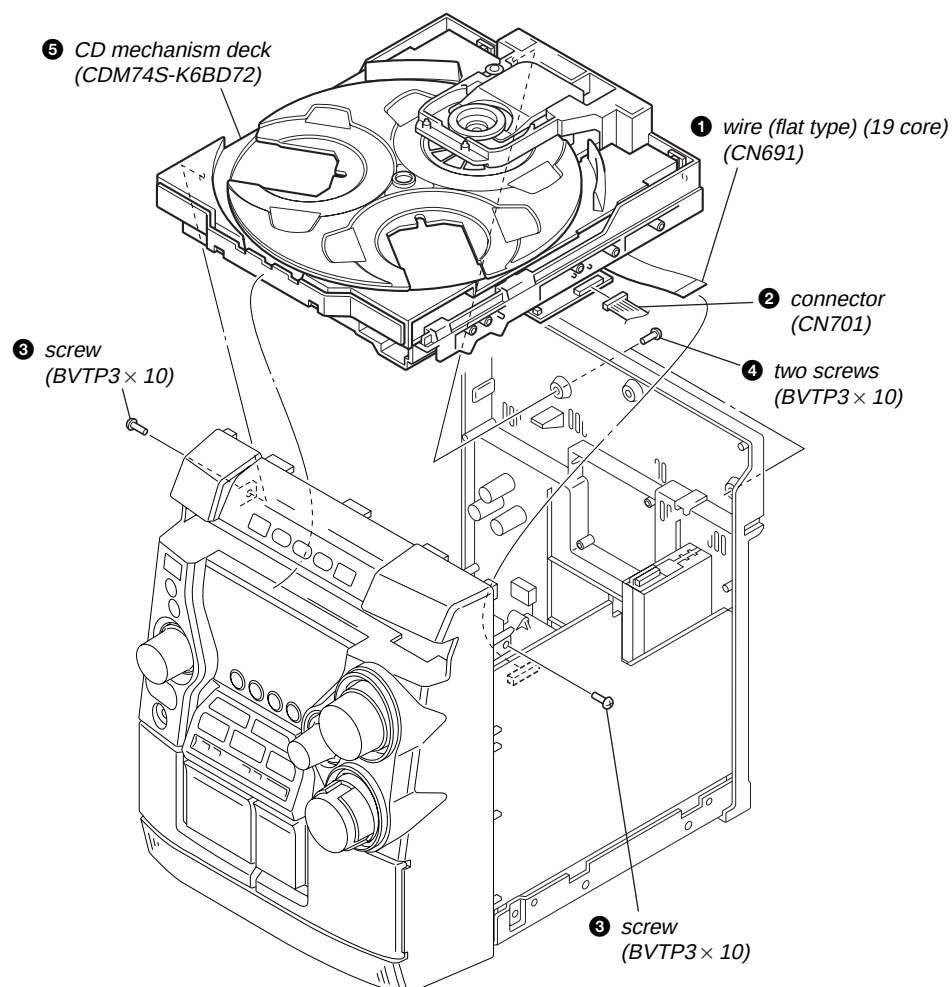
3-3. CASE (TOP)



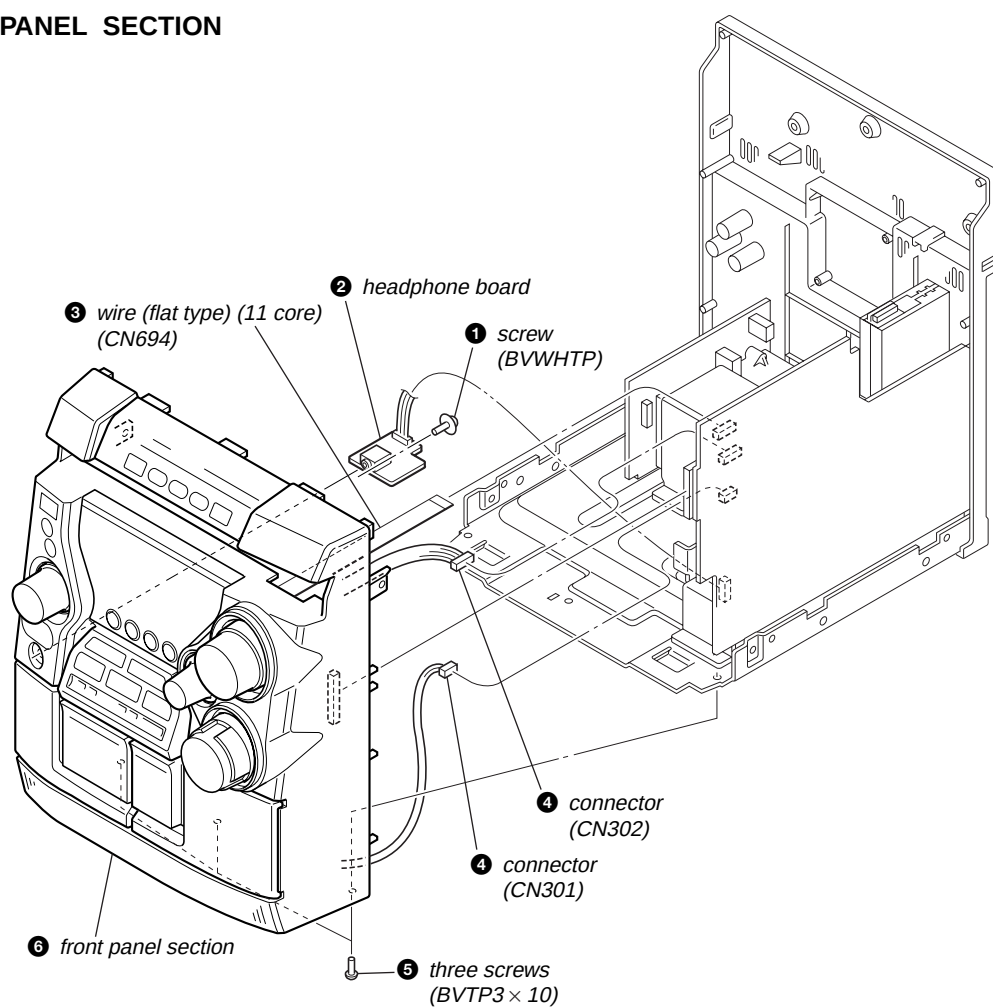
3-4. TRAY PANEL



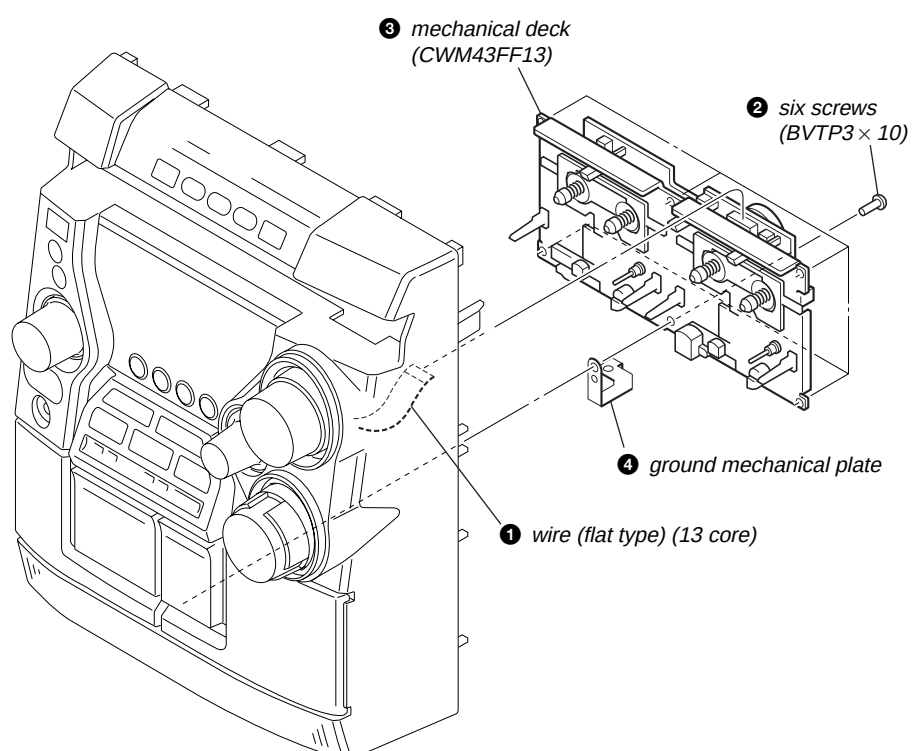
3-5. CD MECHANISM DECK (CDM74S-K6BD72)



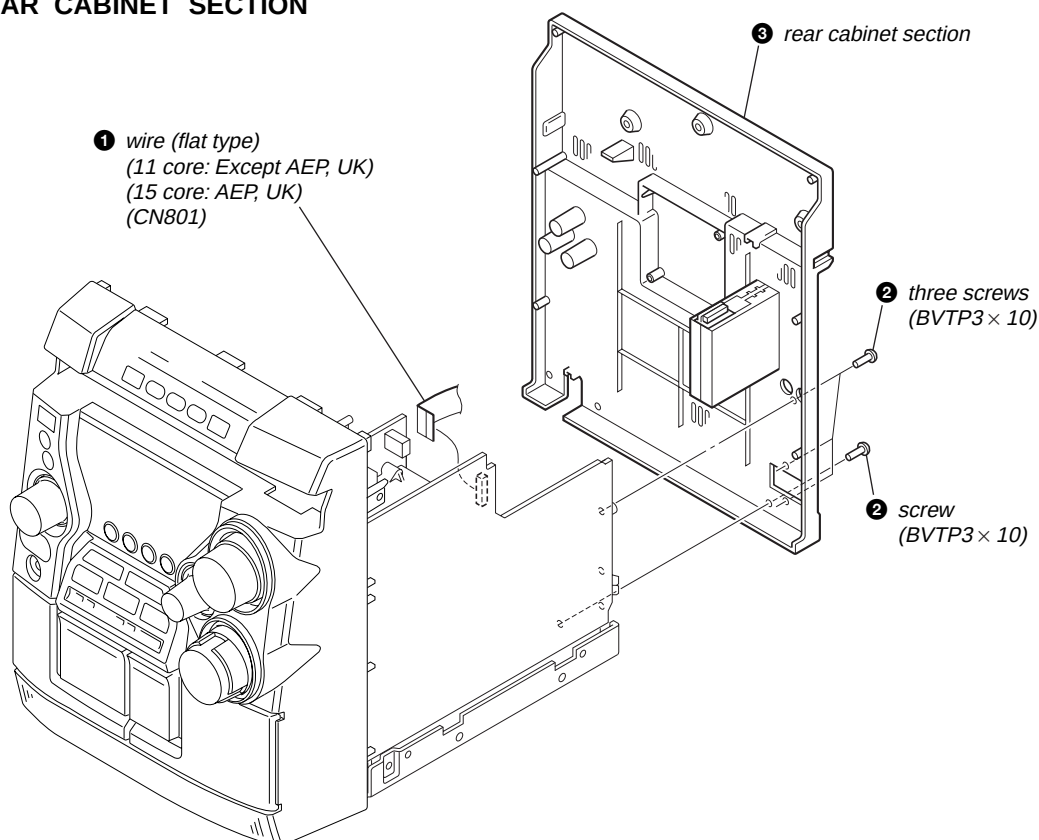
3-6. FRONT PANEL SECTION



3-7. MECHANICAL DECK (CWM43FF13)



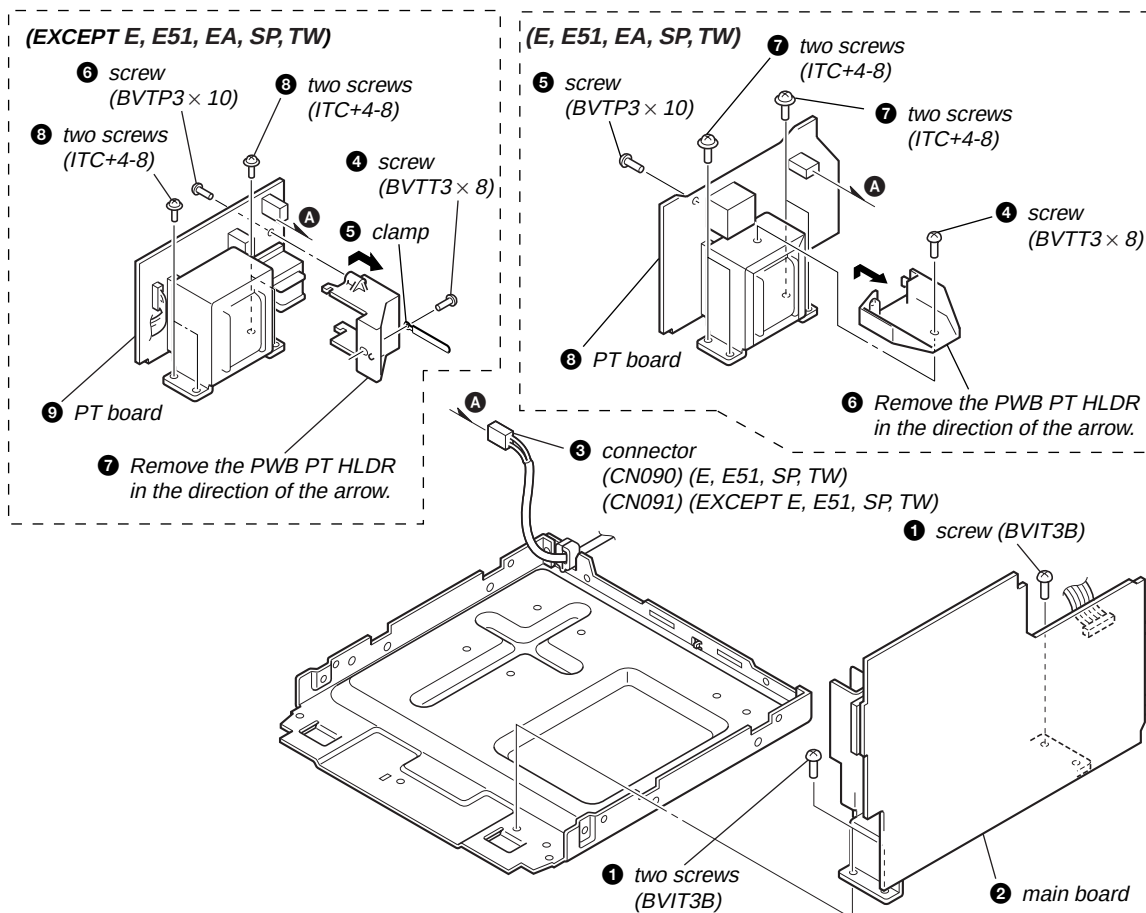
3-8. REAR CABINET SECTION



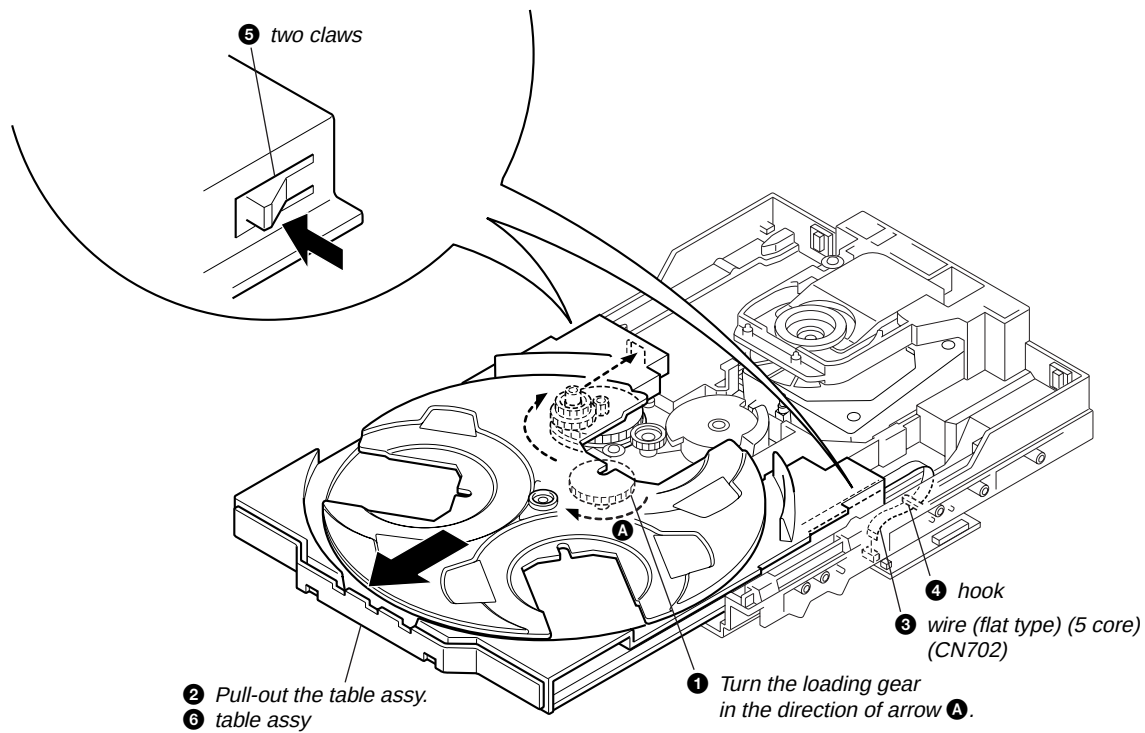
3-9. PT BOARD, MAIN BOARD

• Abbreviation

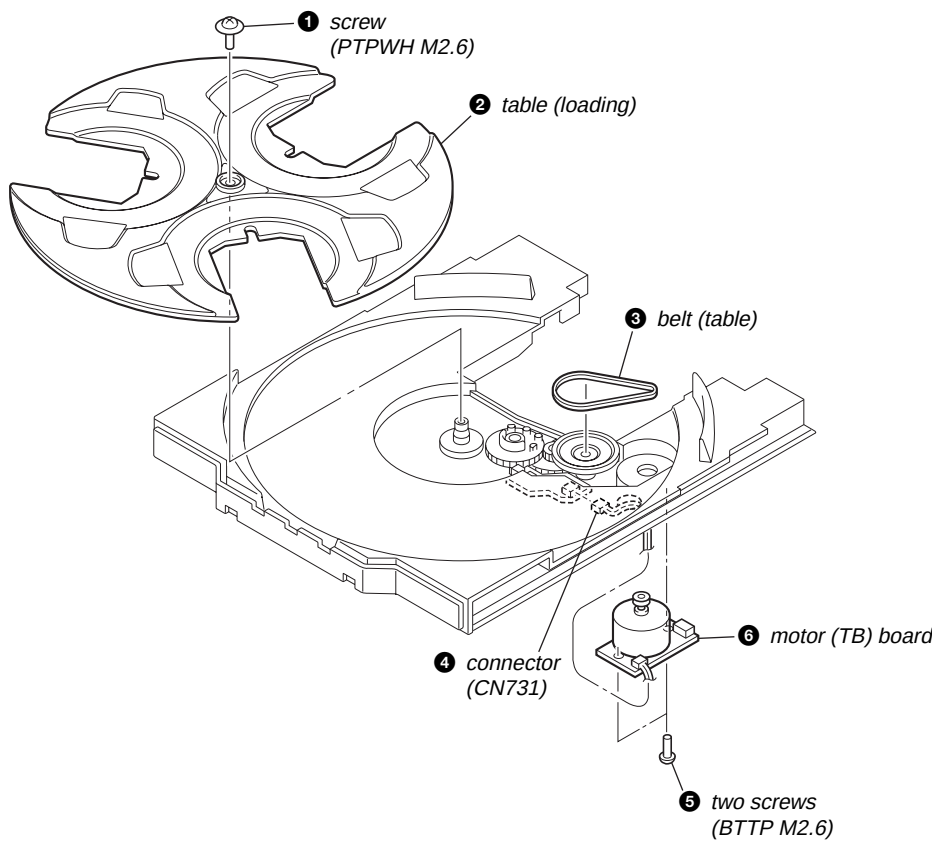
E51 : Chilean and peruvian models SP : Singapore model
EA : Saudi Arabia model TW : Taiwan model



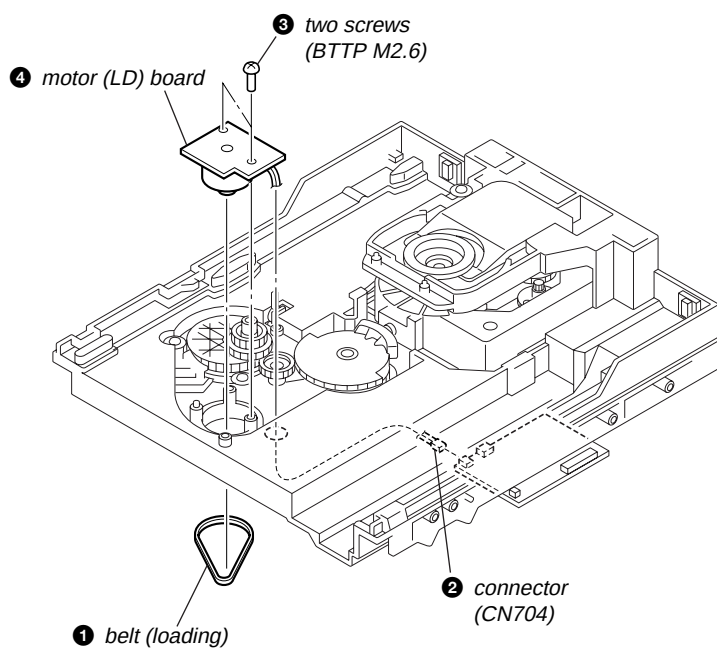
3-10. TABLE ASSY



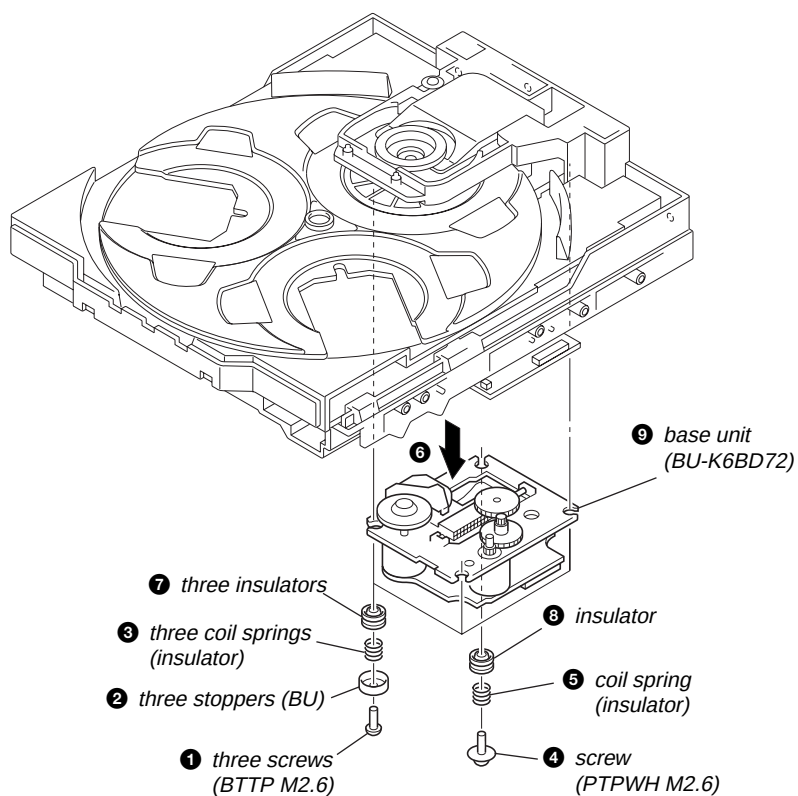
3-11. MOTOR (TB) BOARD



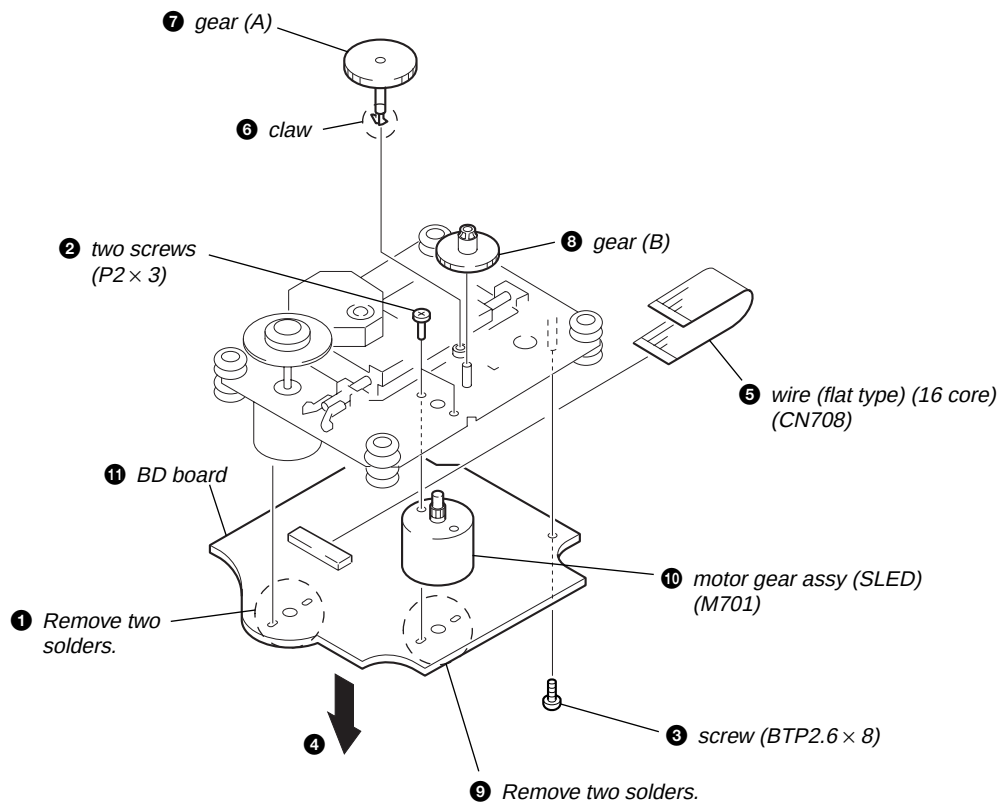
3-12. MOTOR (LD) BOARD



3-13. BASE UNIT (BU-K6BD72)



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



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 **■** 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 **■** 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 **■** 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 **■** 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 **■** 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)	

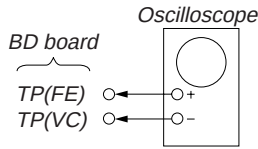
SECTION 5
ELECTRICAL ADJUSTMENTS

CD SECTION

Note:

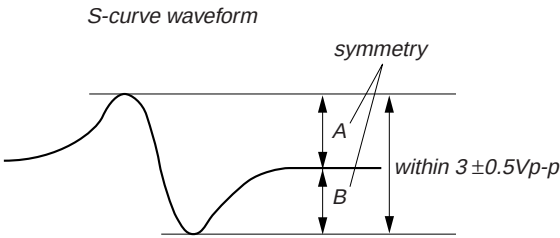
1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal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

S-CURVE CHECK



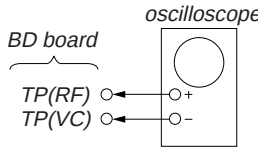
Procedure :

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 than 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.

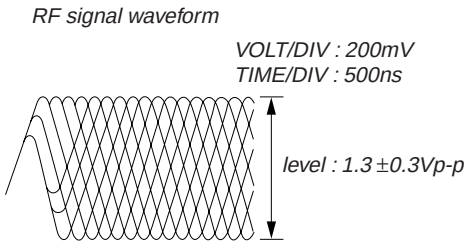
RF LEVEL CHECK



Procedure :

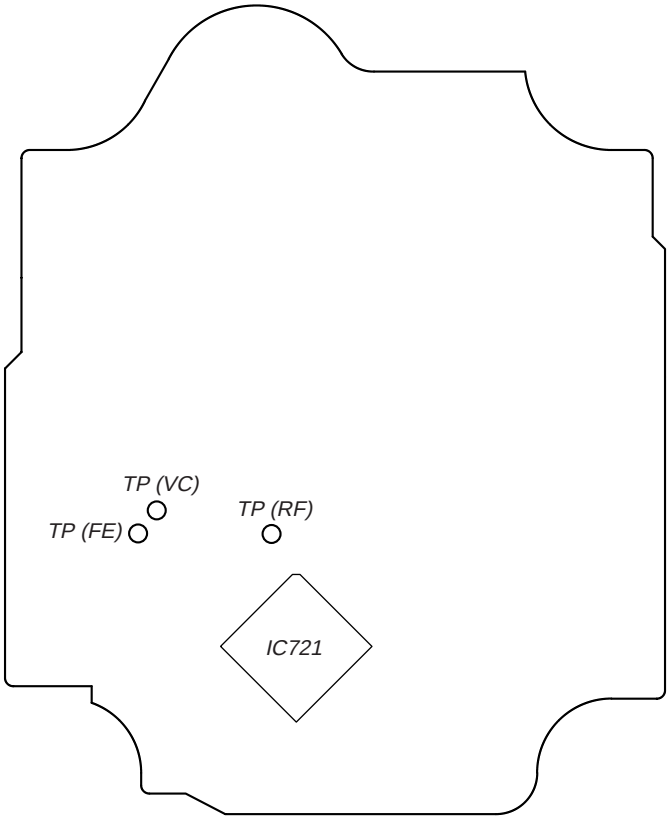
1. Connect an oscilloscope to TP (RF) and TP (VC).
2. Turn the power on.
3. Load a disc (YEDS-18) and playback.
4. Confirm that oscilloscope waveform is clear and check if RF signal level is correct or not.

Note: Clear RF signal waveform means that the shape “◇” can be clearly distinguished at the center of the waveform.



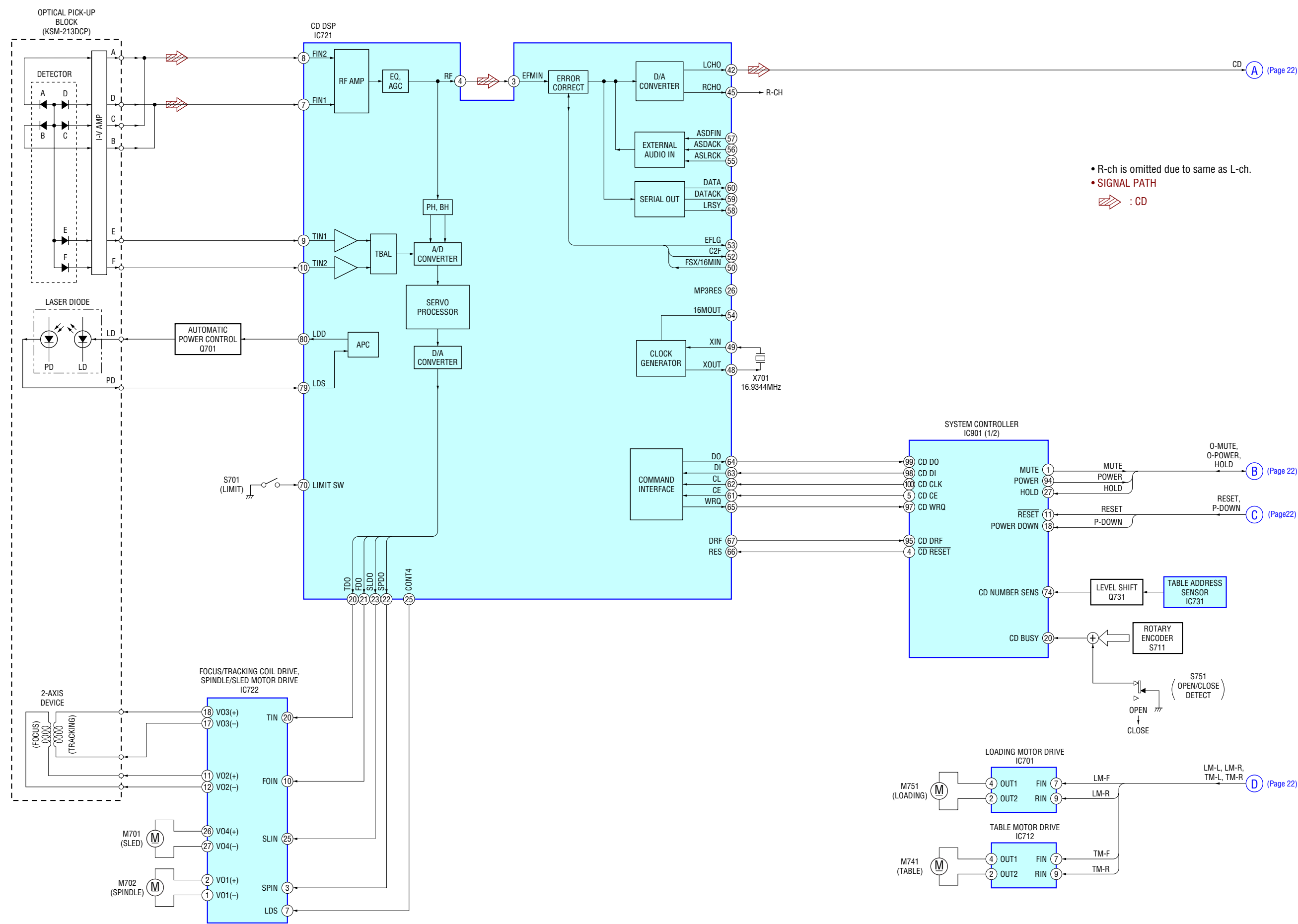
Connecting Location: BD board

– BD Board (Conductor side) –

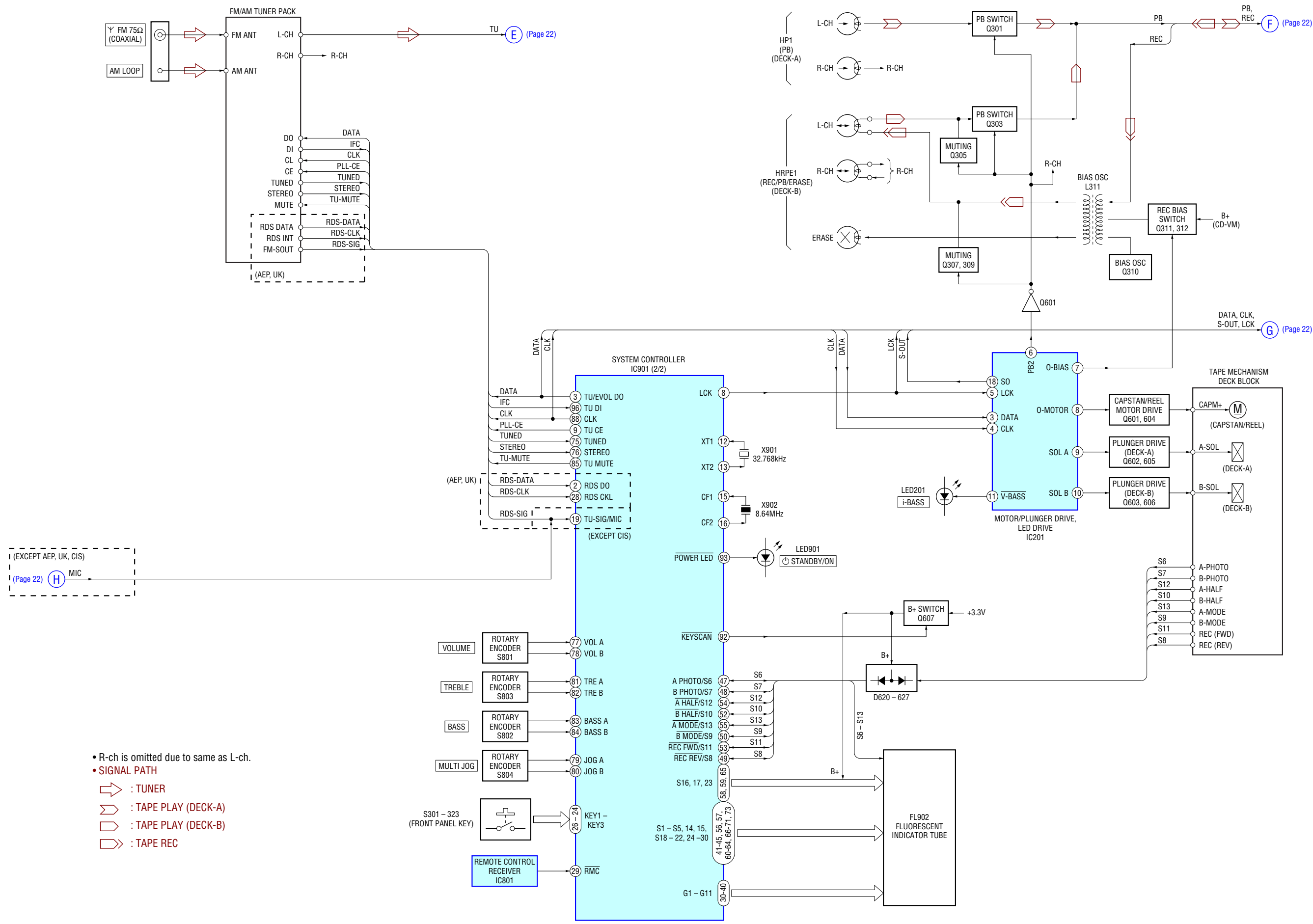


SECTION 6
DIAGRAMS

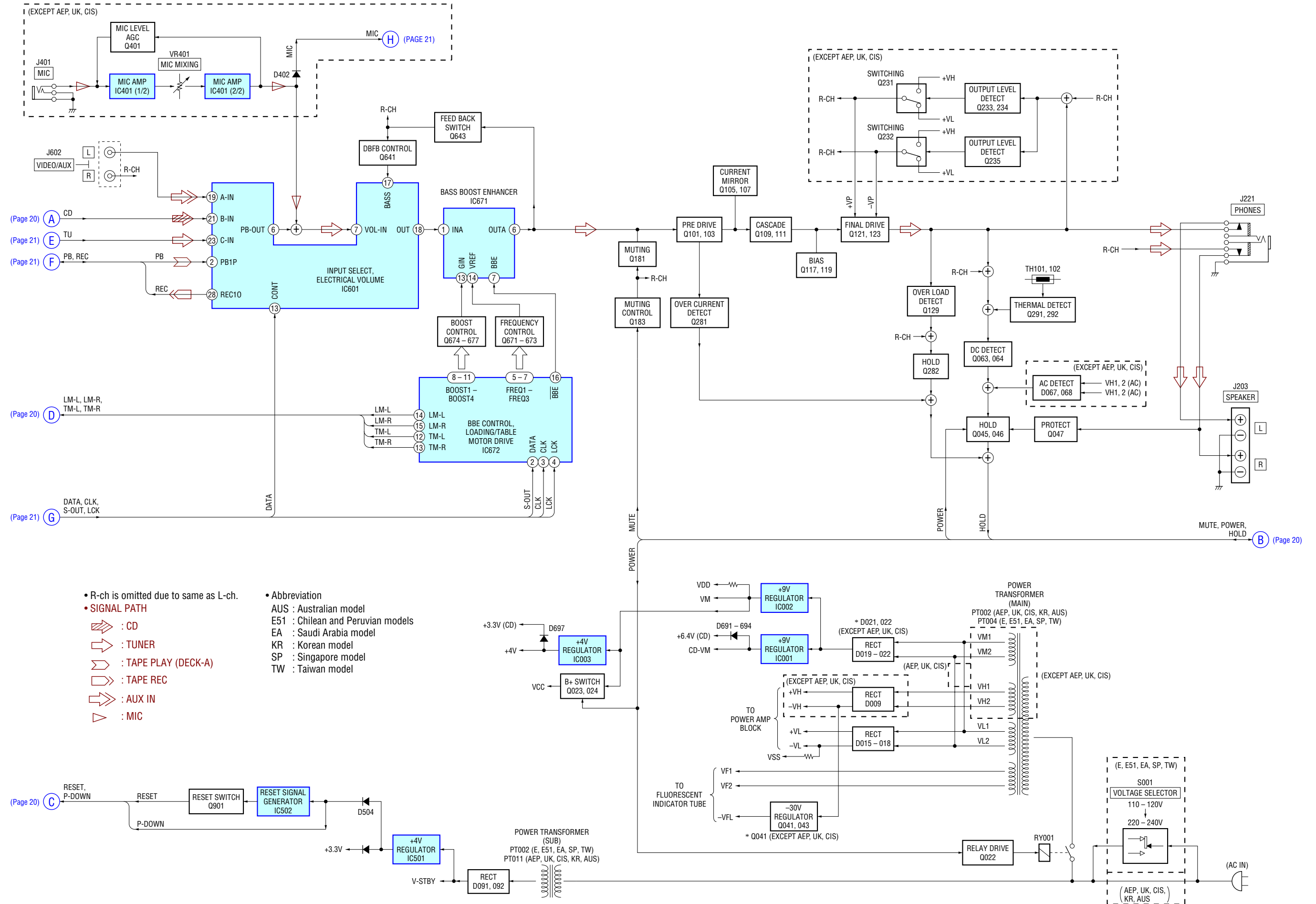
6-1. BLOCK DIAGRAM – CD Section –



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



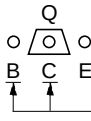
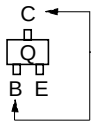
6-3. BLOCK DIAGRAM – AMP/POWER SUPPLY Section –



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.)
- Indication of transistor.



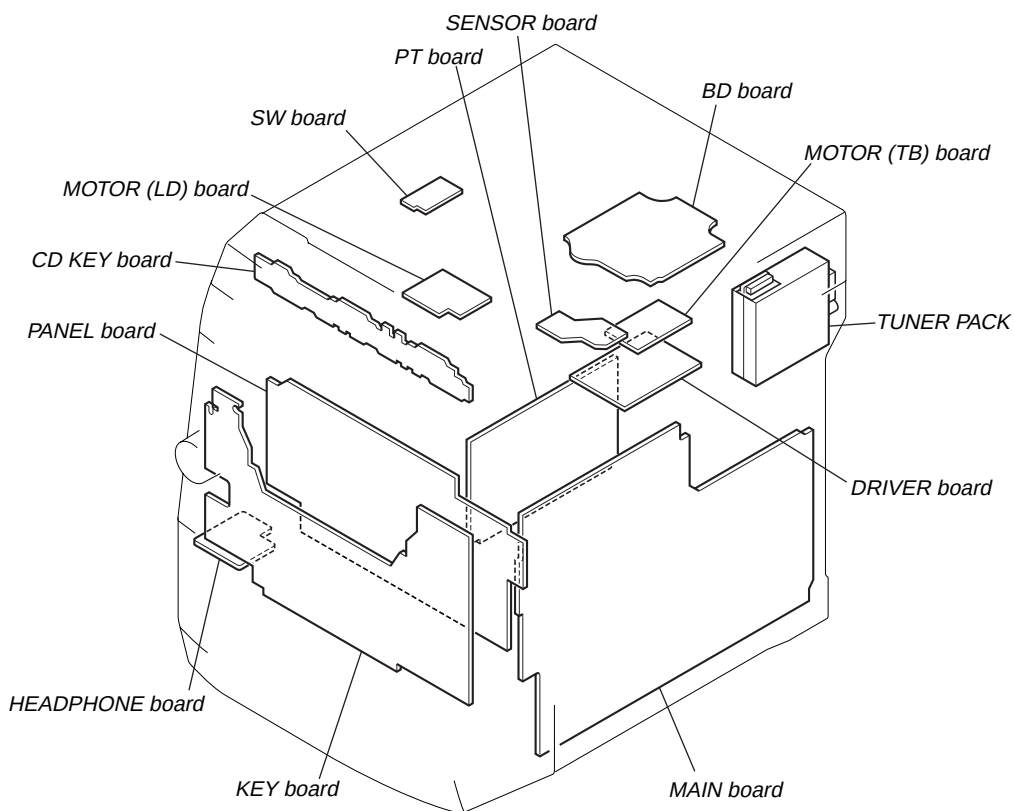
Note on Schematic Diagram:

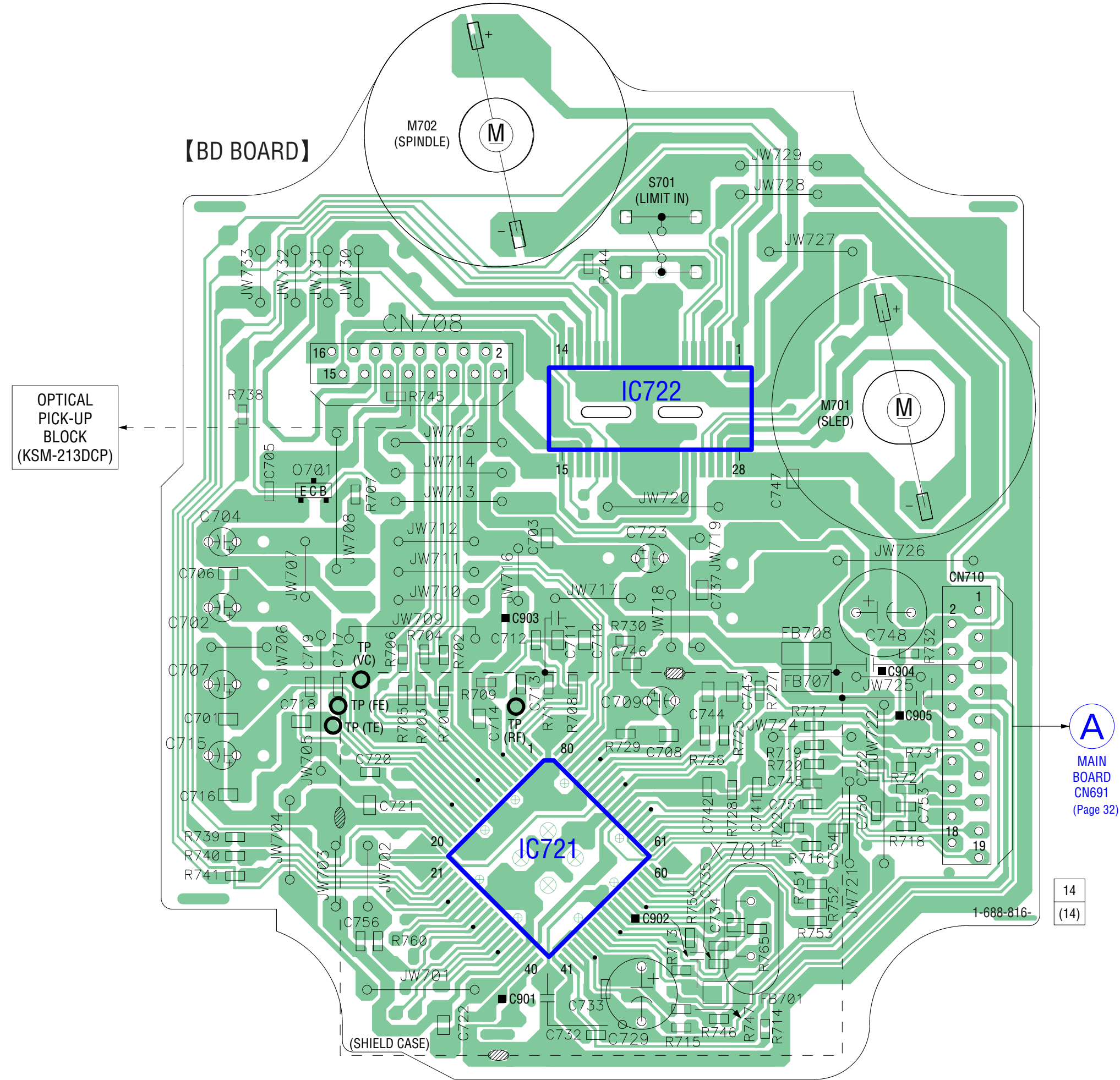
- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- Δ : internal component.
- $\square$: nonflammable resistor.
- $\square$: fusible resistor.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

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

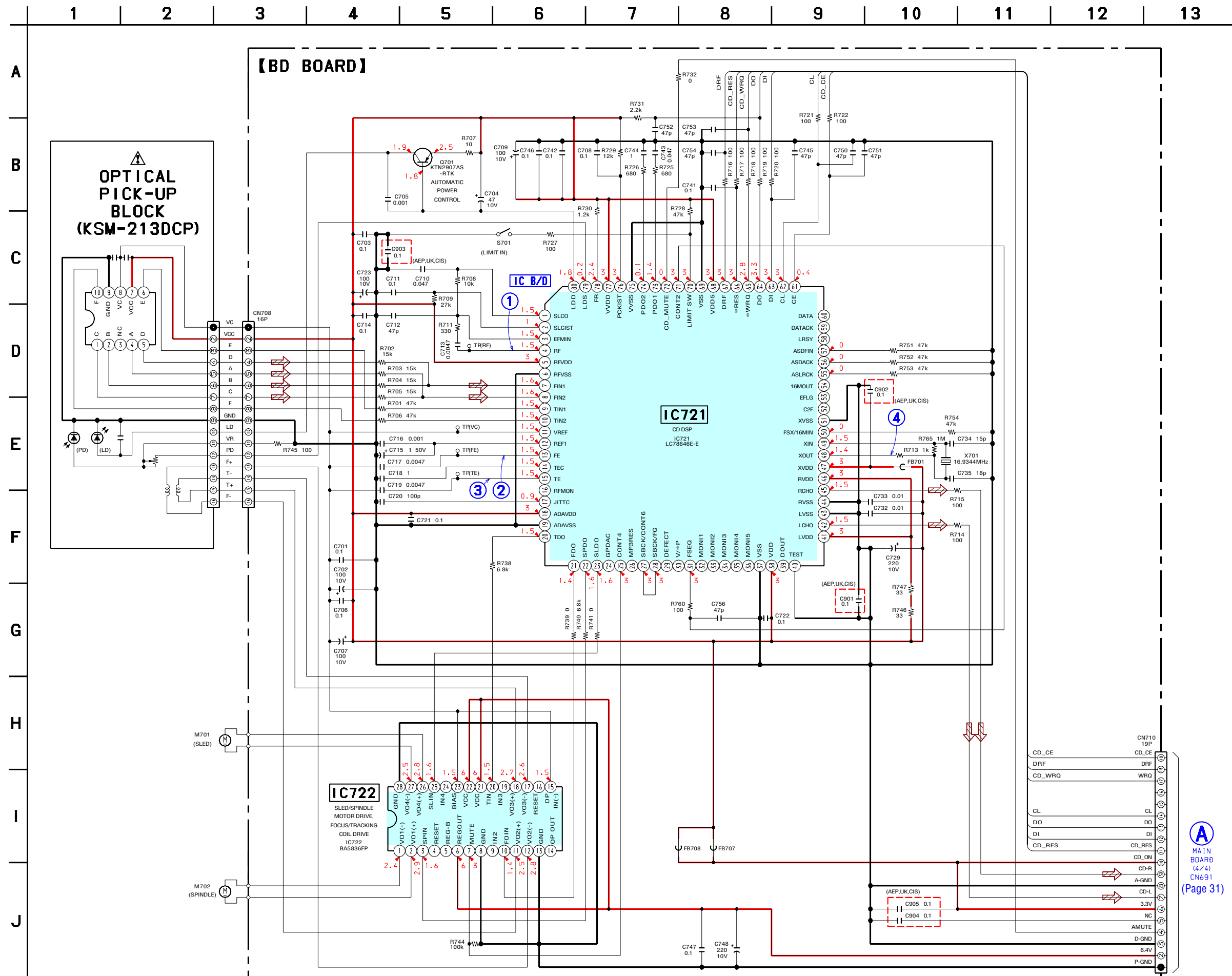
- : B+ Line.
- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
 - BD Section —
no mark : CD PLAY
 - Other Sections —
no mark : FM
 - * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - $\Rightarrow$: 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
 - E51 : Chilean and Peluvian models
 - EA : Saudi Arabia model
 - KR : Korean model
 - SP : Singapore model
 - TW : Taiwan model

• Circuit Boards Location





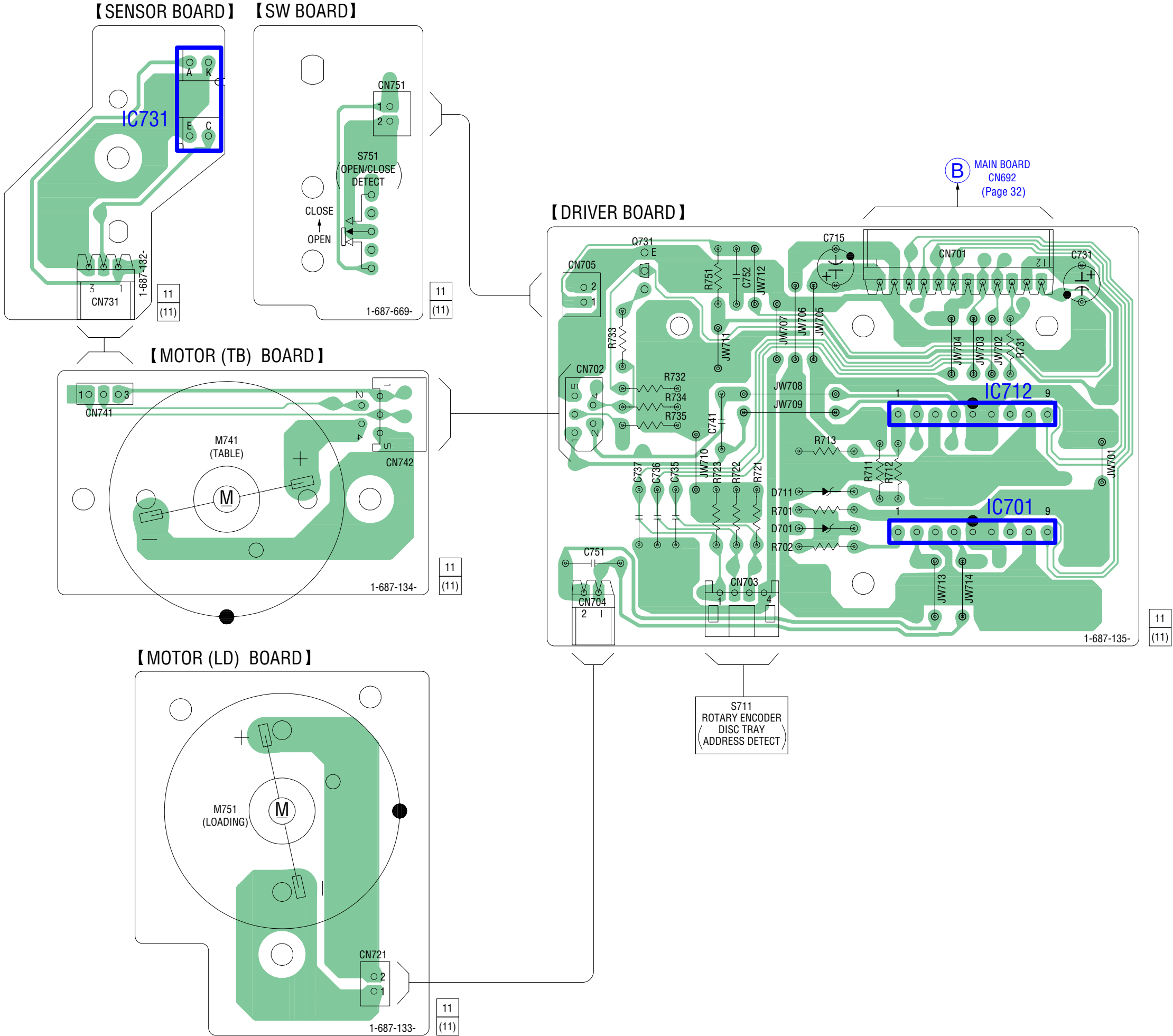
6-6. SCHEMATIC DIAGRAM – BD Section – • See page 42 for IC Block Diagram. • See page 42 for Waveforms.



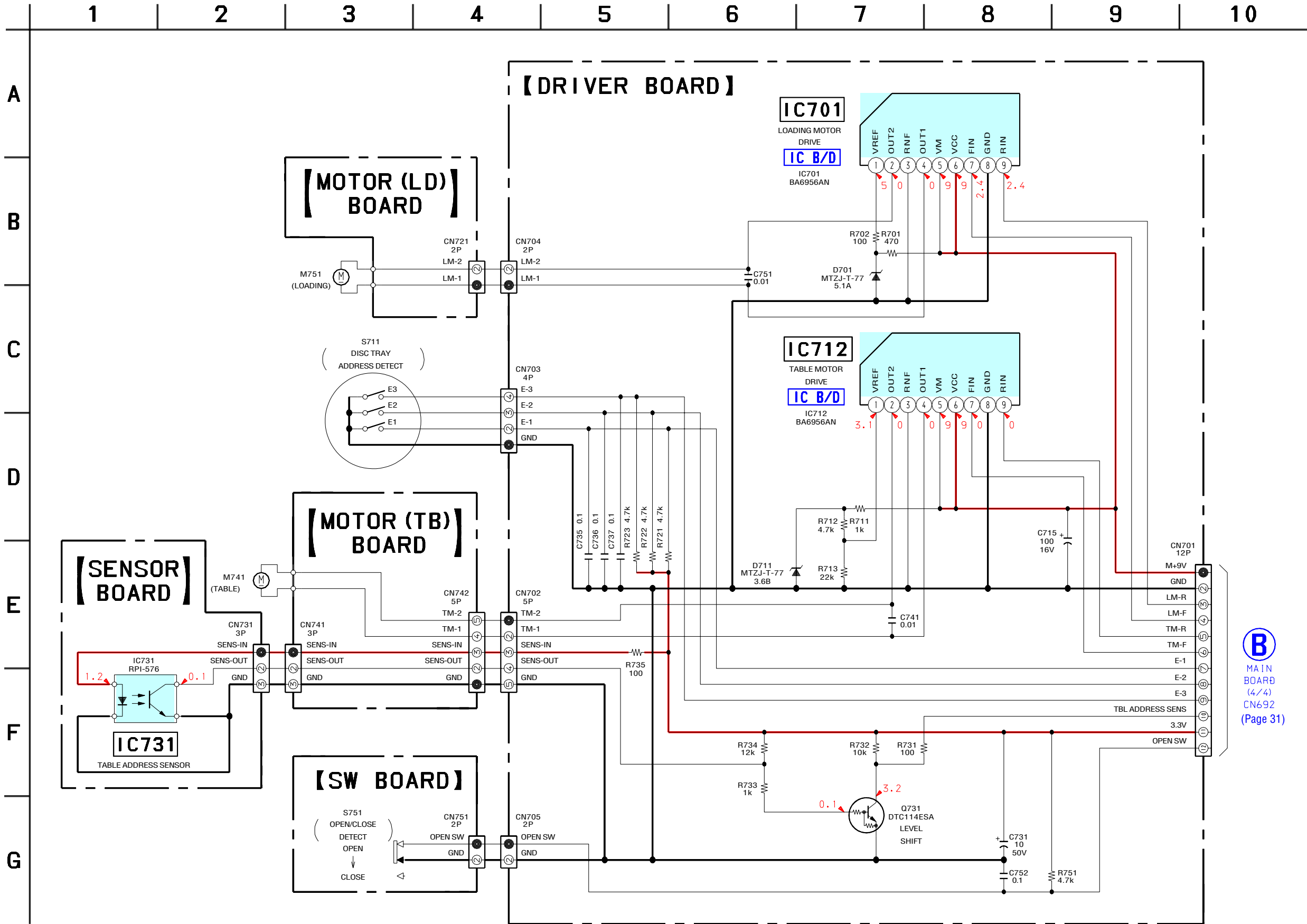
A
MAIN BOARD (4/4)
CN691
(Page 31)

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

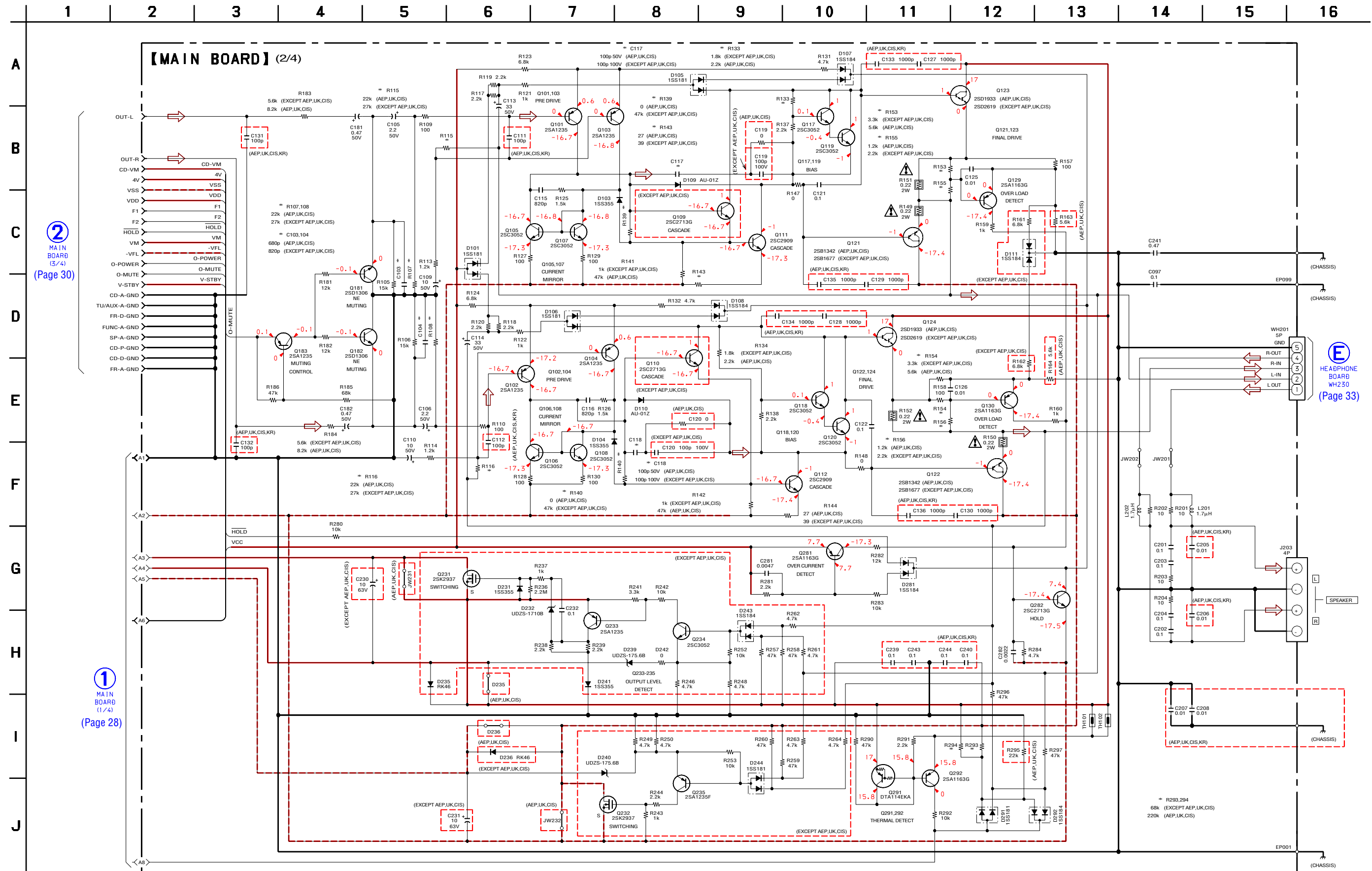
6-7. PRINTED WIRING BOARDS – CHANGER Section – • See page 23 for Circuit Boards Location.



6-8. SCHEMATIC DIAGRAM – CHANGER Section – • See page 42 for IC Block Diagrams.

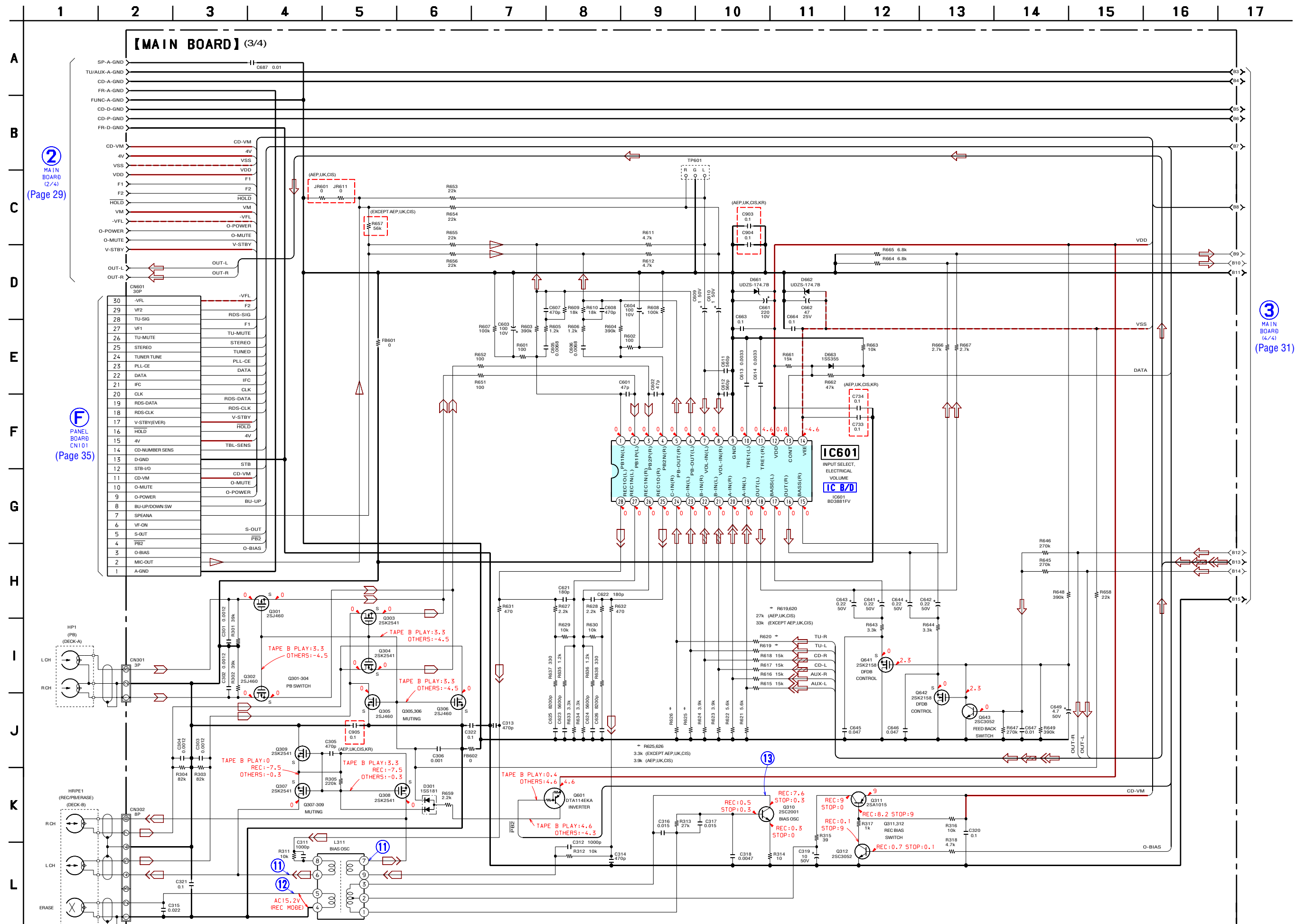


6-10. SCHEMATIC DIAGRAM – MAIN Section (2/4) –



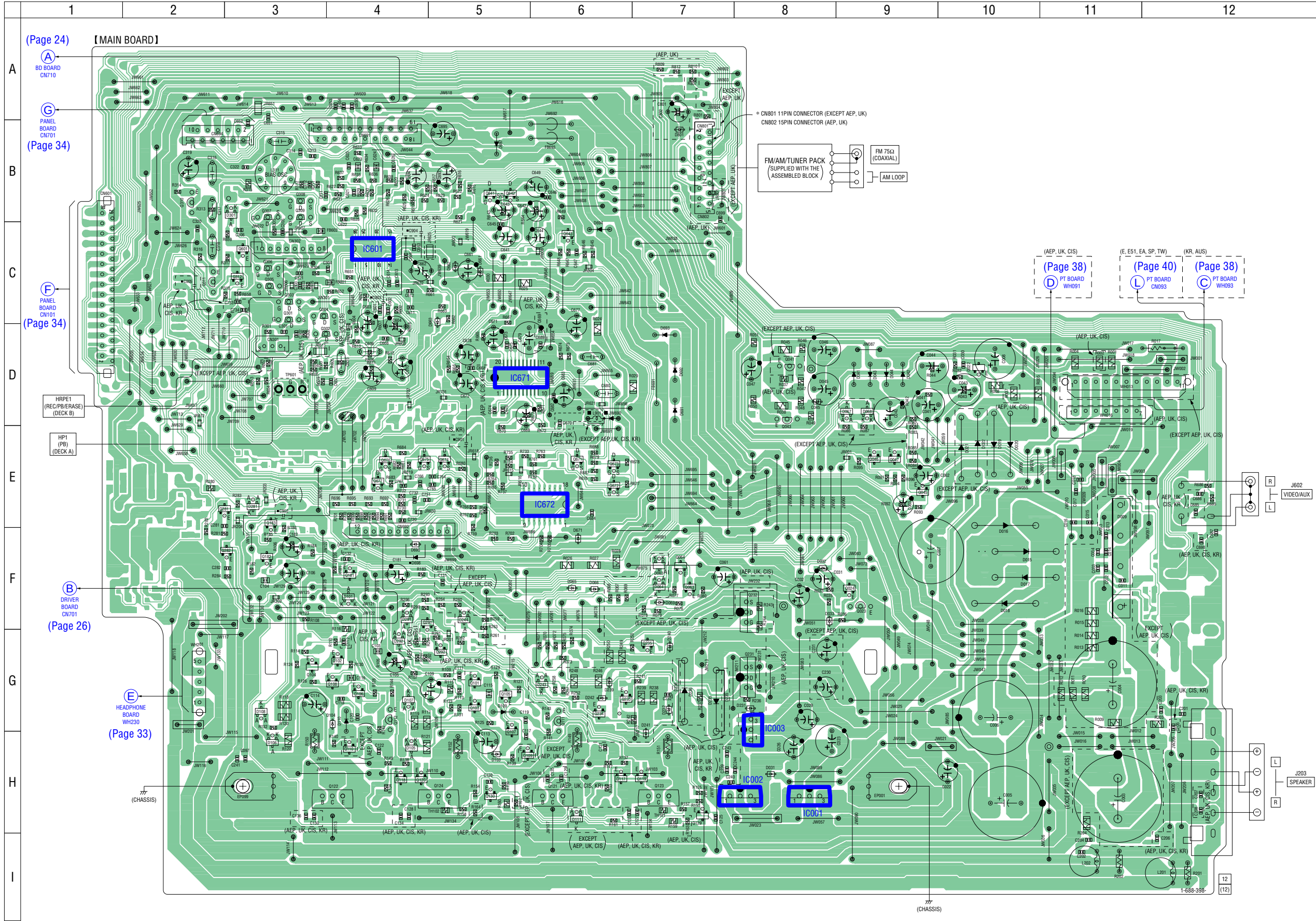
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

6-11. SCHEMATIC DIAGRAM – MAIN Section (3/4) – • See page 42 for IC Block Diagram. • See page 42 for Waveforms.

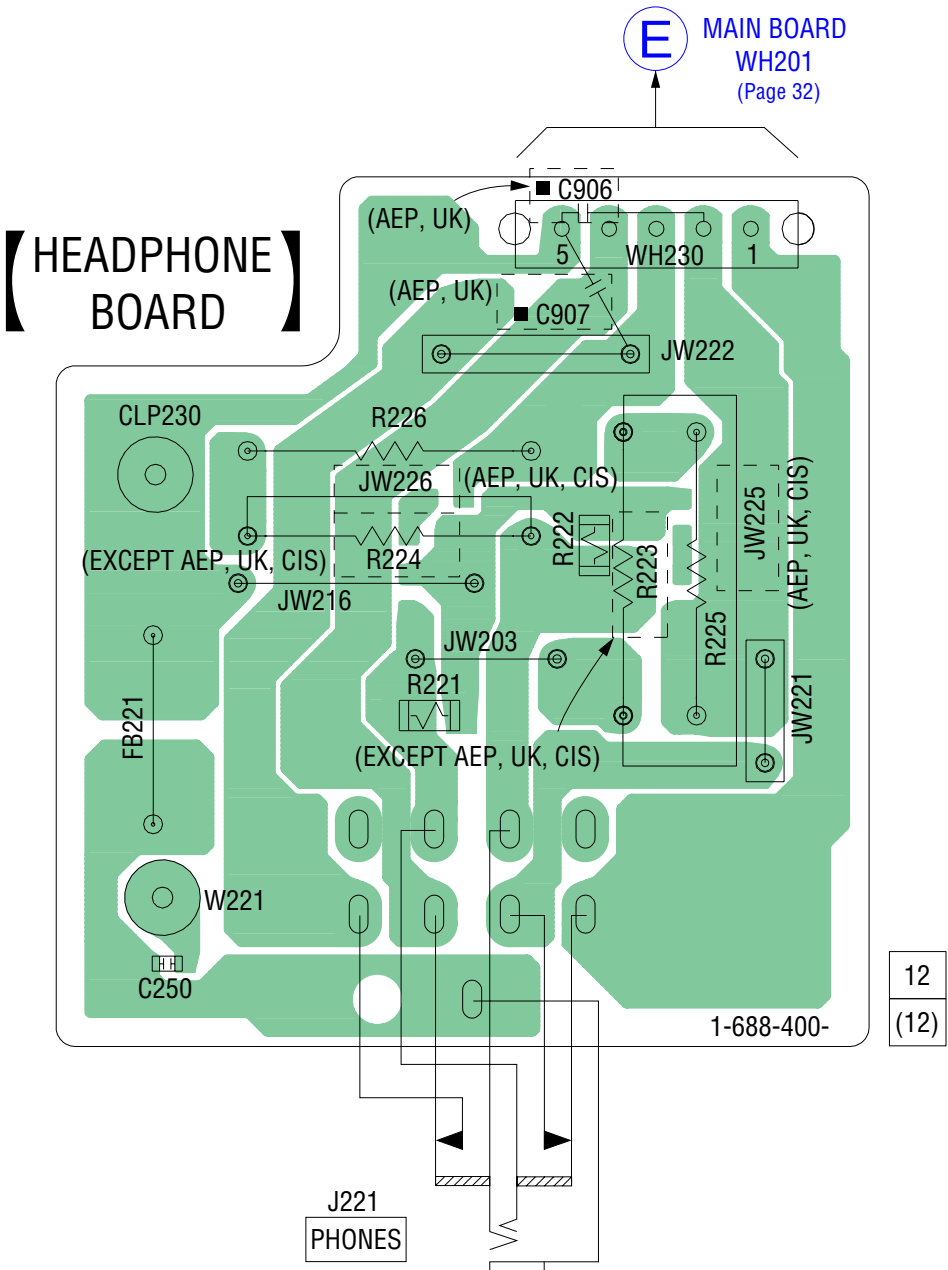




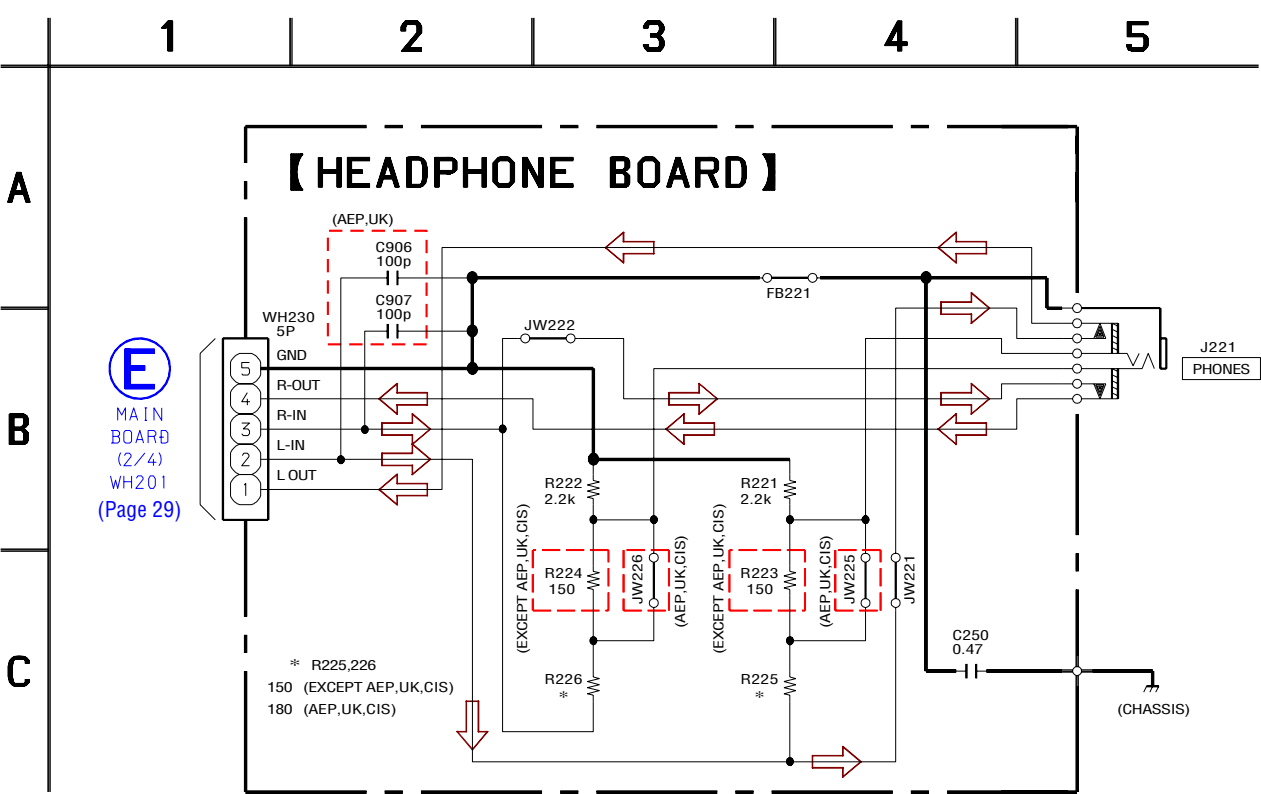
6-13. PRINTED WIRING BOARD – MAIN Section – • See page 23 for Circuit Boards Location.



6-14. PRINTED WIRING BOARD – HP Section – • See page 23 for Circuit Boards Location.



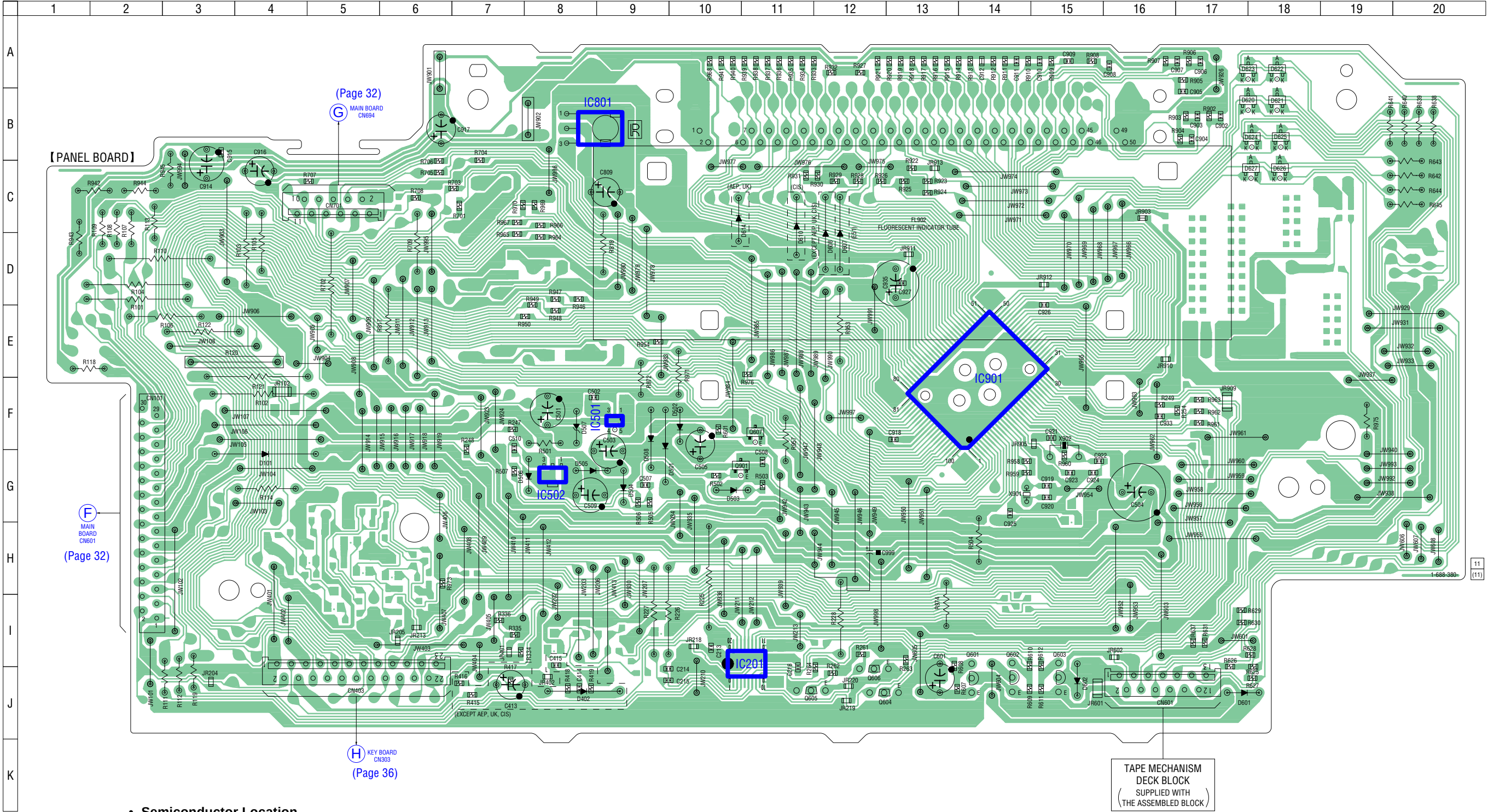
6-15. SCHEMATIC DIAGRAM – HP Section –



• 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	D066	F-6	D241	H-7	IC001	H-8	Q102	G-4	Q130	H-5	Q308	B-3
D015	F-10	D067	D-9	D242	G-6	IC002	H-8	Q103	G-5	Q181	F-4	Q309	B-3
D016	E-10	D068	D-9	D243	G-6	IC003	G-8	Q104	G-3	Q182	F-3	Q310	B-2
D017	F-10	D069	F-7	D244	F-5	IC601	C-4	Q105	G-5	Q183	E-3	Q311	C-2
D018	F-10	D101	F-4	D281	E-3	IC671	D-5	Q106	G-4	Q231	G-8	Q312	C-3
D019	E-10	D103	H-5	D291	F-4	IC672	E-6	Q107	H-5	Q232	F-8	Q601	C-3
D020	E-10	D104	G-4	D292	G-4			Q108	G-4	Q233	G-6	Q641	B-5
D021	E-10	D105	H-4	D301	B-3	JW690	D-6	Q109	H-5	Q234	G-6	Q642	B-5
D022	E-10	D106	H-3	D661	C-5			Q110	H-4	Q235	G-7	Q643	C-6
D031	H-8	D107	G-4	D662	C-5	Q022	D-10	Q111	G-6	Q281	E-3	Q671	E-6
D032	F-8	D108	G-3	D663	C-5	Q023	F-9	Q112	G-4	Q282	F-3	Q672	E-6
D033	F-8	D109	G-5	D671	F-6	Q024	F-9	Q117	H-6	Q291	F-4	Q673	E-6
D041	D-9	D110	G-4	D691	D-7	Q041	D-8	Q118	H-4	Q292	G-5	Q674	E-5
D042	D-9	D111	H-6	D692	D-7	Q043	D-8	Q119	H-7	Q301	C-3	Q675	E-4
D043	D-9	D231	G-8	D693	D-7	Q045	E-9	Q120	H-4	Q302	D-3	Q676	E-4
D044	D-9	D232	G-7	D694	C-6	Q046	E-9	Q121	H-6	Q303	C-3	Q677	E-4
D045	D-8	D235	G-7	D695	F-4	Q047	E-9	Q122	H-4	Q304	C-3		
D063	F-7	D236	G-7	D697	B-5	Q063	F-7	Q123	H-7	Q305	C-3		
D064	F-7	D239	G-6	D698	F-4	Q064	F-7	Q124	H-5	Q306	C-3		
D065	F-6	D240	G-7	D801	B-7	Q101	G-5	Q129	H-7	Q307	B-3		

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

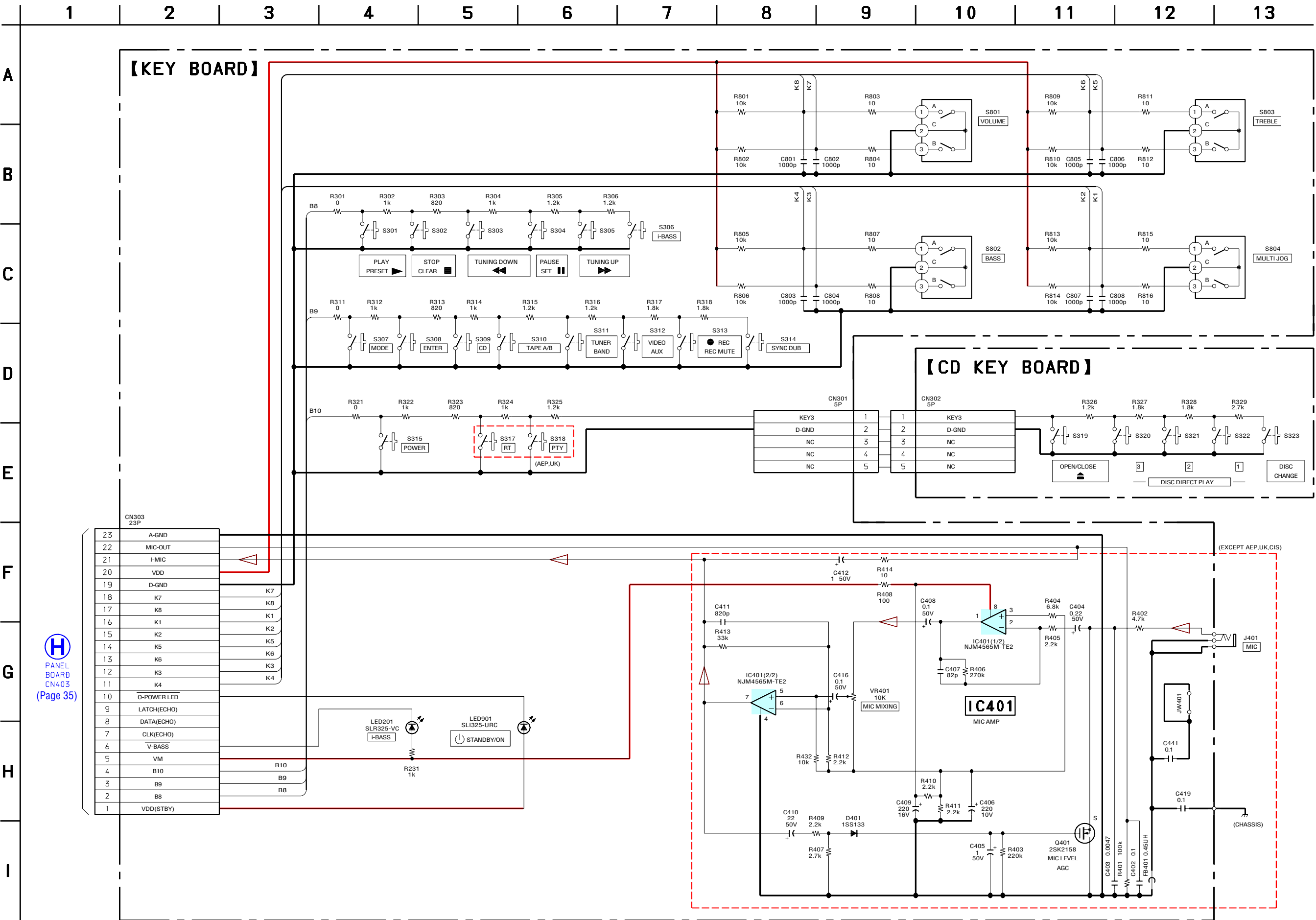


• Semiconductor Location

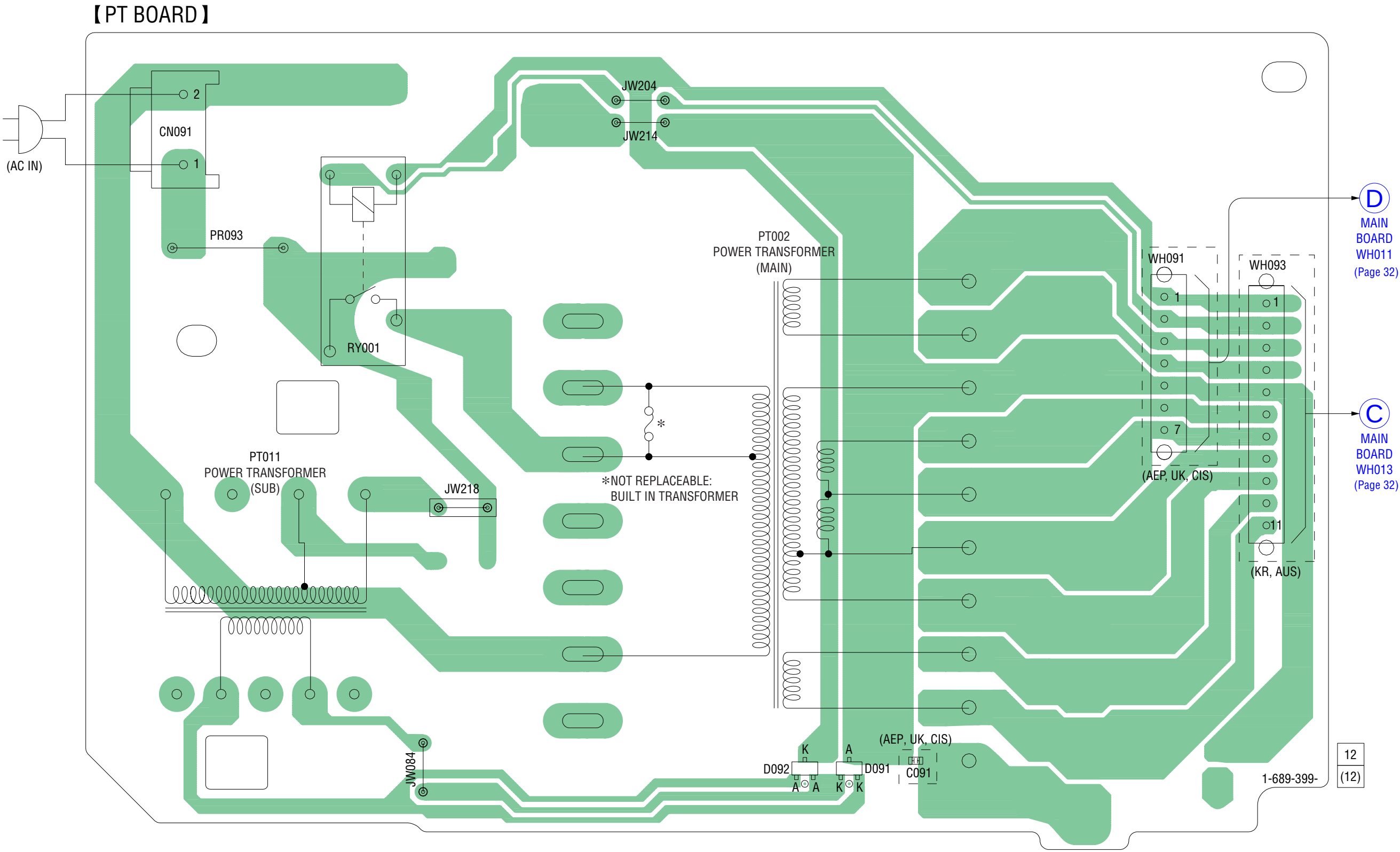
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	G-4	D608	D-12	IC501	F-9
D402	J-8	D610	C-11	IC502	G-8
D501	F-9	D614	C-10	IC801	B-9
D502	F-10	D620	B-18	IC901	F-14
D503	G-10	D621	B-18		
D504	G-9	D622	A-18	Q601	J-14
D505	G-8	D623	A-18	Q602	J-14
D506	G-8	D624	B-18	Q603	J-15
D507	F-8	D625	B-18	Q604	J-12
D508	F-9	D626	C-18	Q605	J-11
D601	J-17	D627	C-18	Q606	J-12
D602	J-15			Q607	F-11
D607	D-12	IC201	I-11	Q901	G-10



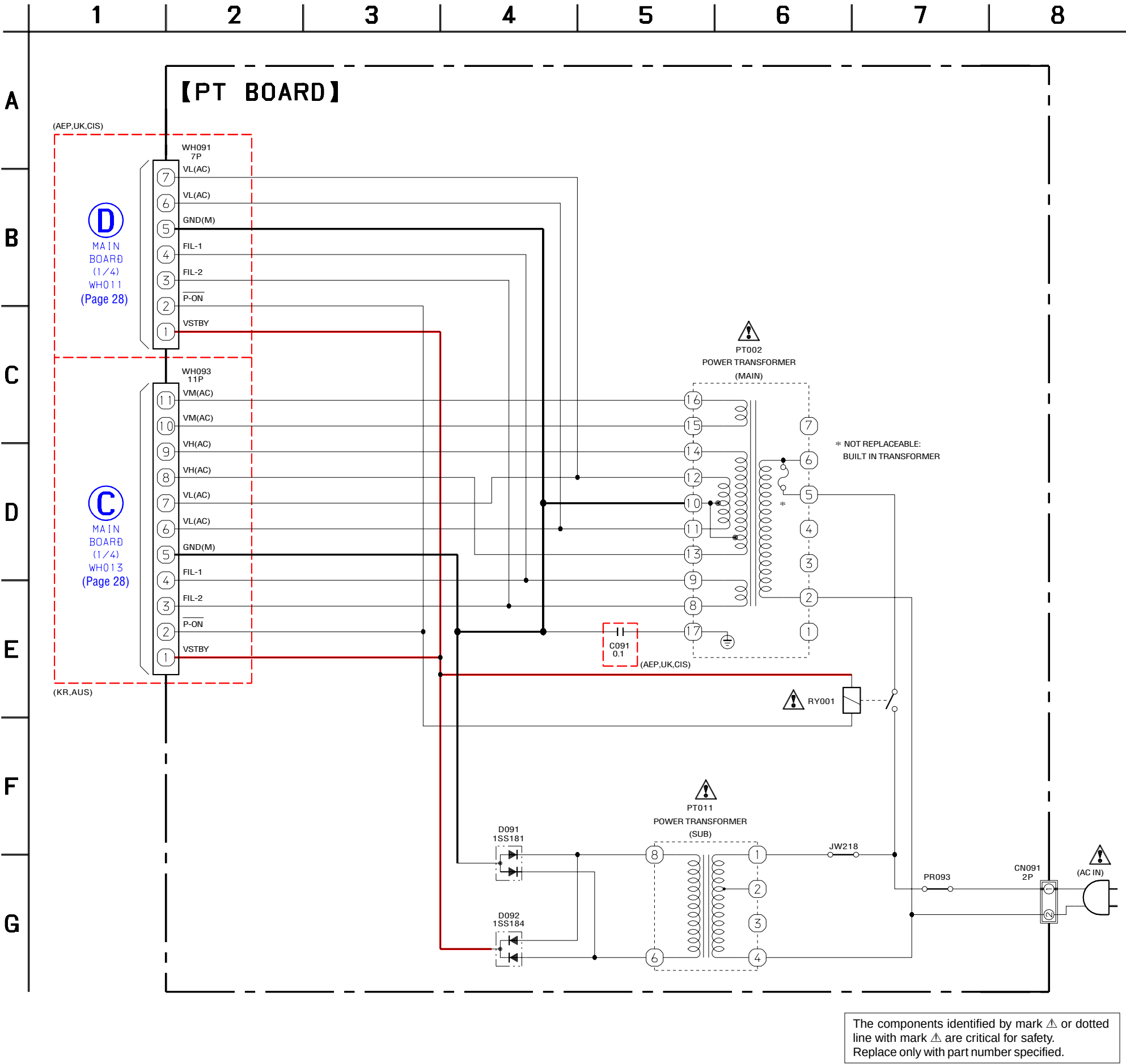
6-19. SCHEMATIC DIAGRAM – KEY Section –



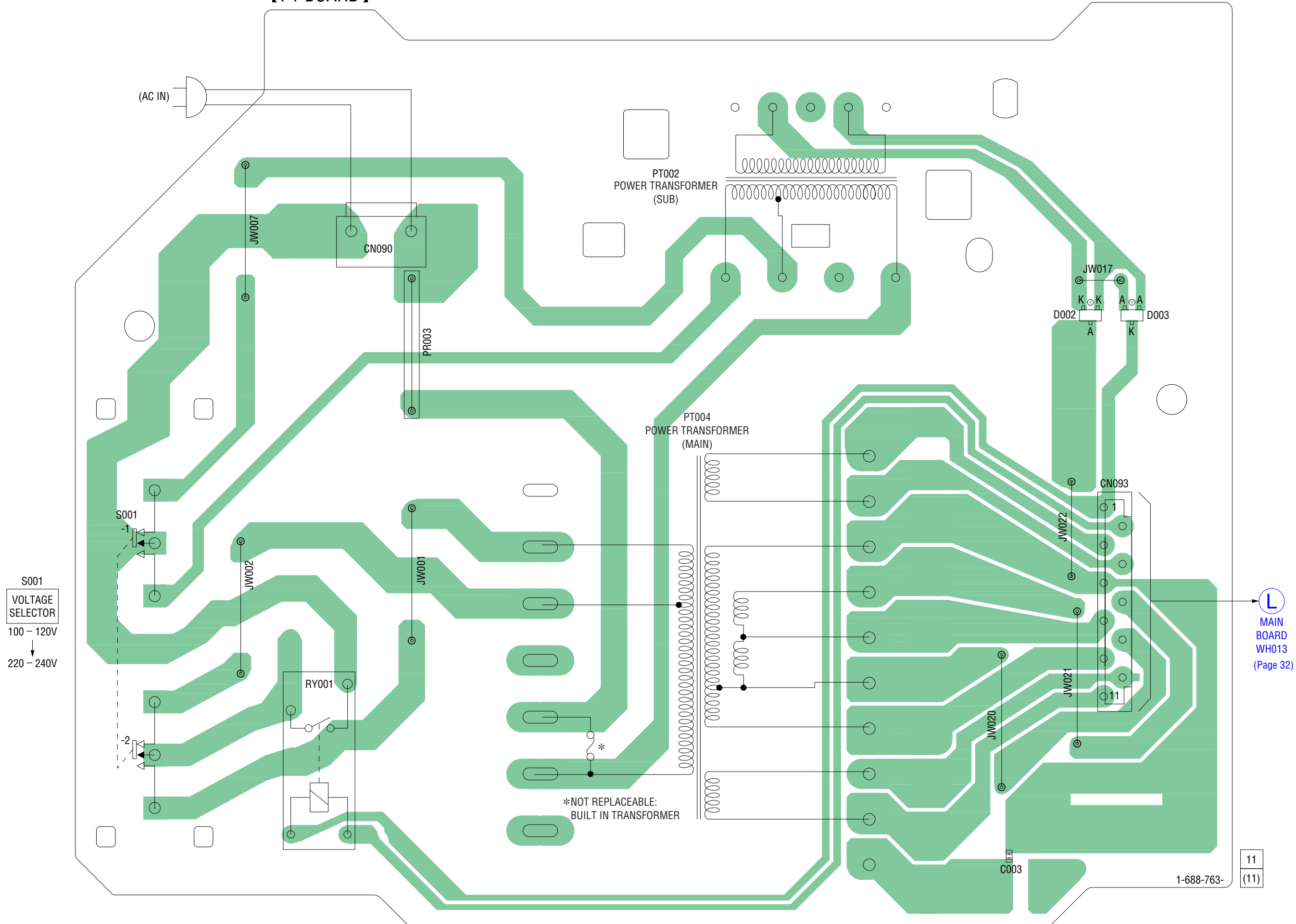
6-20. PRINTED WIRING BOARD – PT Section – (AEP, UK, CIS, KR, AUS) • See page 23 for Circuit Boards Location.



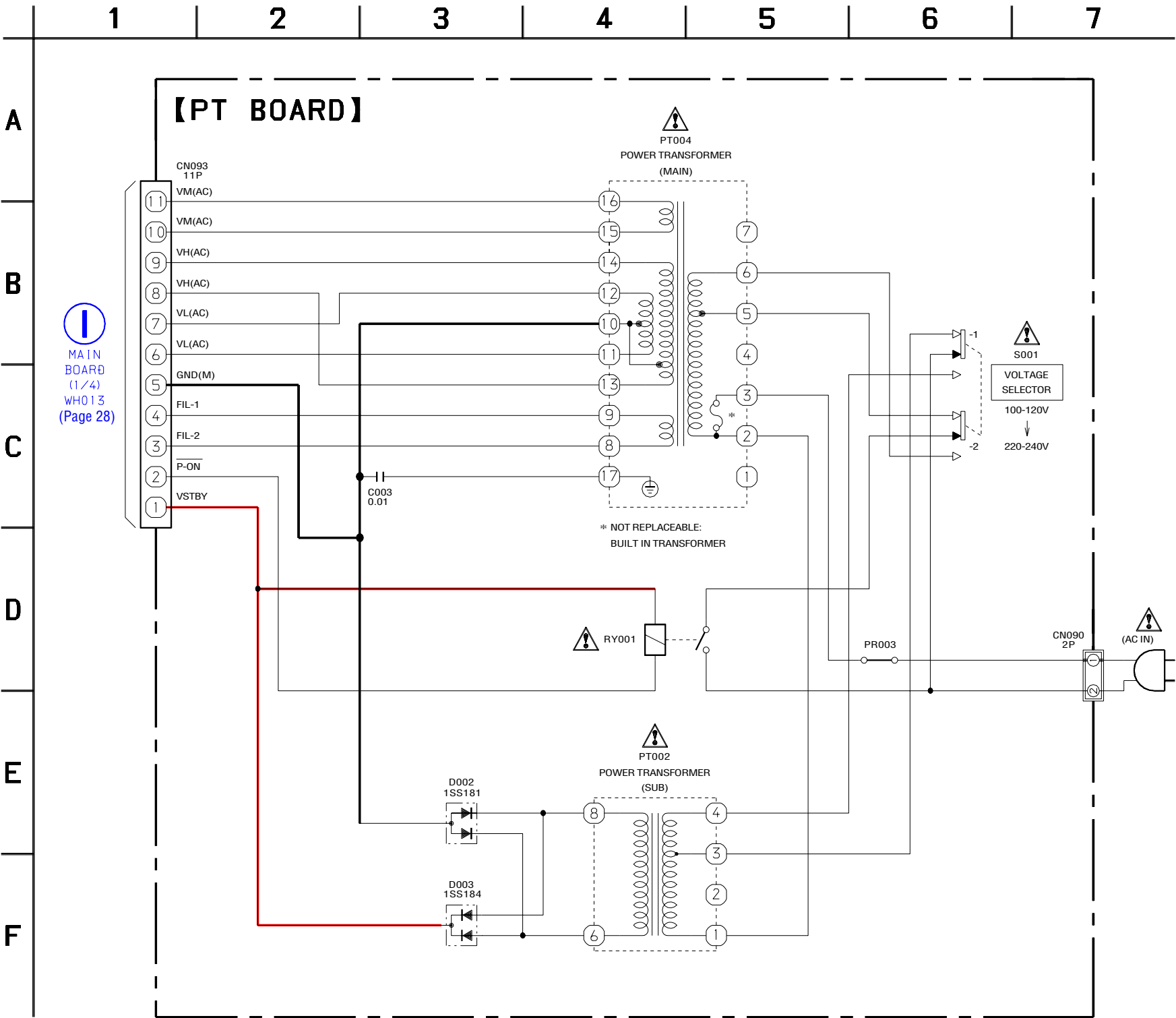
6-21. SCHEMATIC DIAGRAM – PT Section – (AEP, UK, CIS, KR, AUS)



【 PT BOARD 】



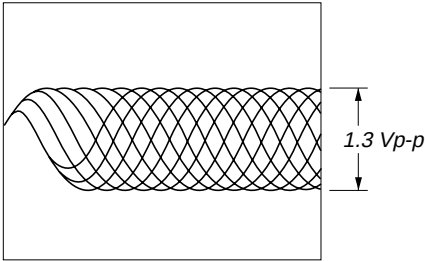
6-23. SCHEMATIC DIAGRAM – PT Section – (E, E51, EA, SP, TW)



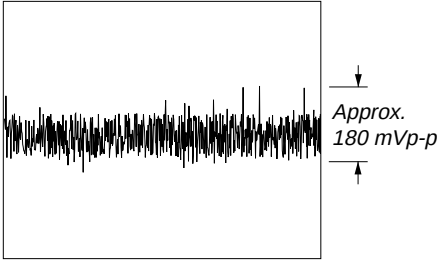
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

• Waveforms
– BD Board –

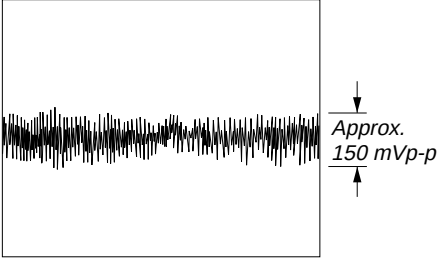
① IC721 ④ (RF) (CD Play Mode)



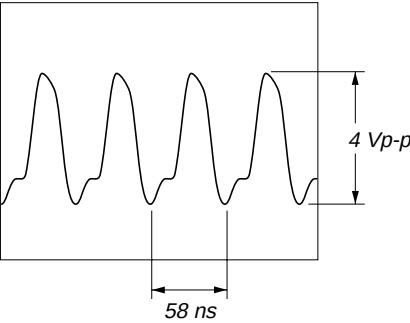
② IC721 ⑬ (TE) (CD Play Mode)



③ IC721 ⑮ (TE) (CD Play Mode)

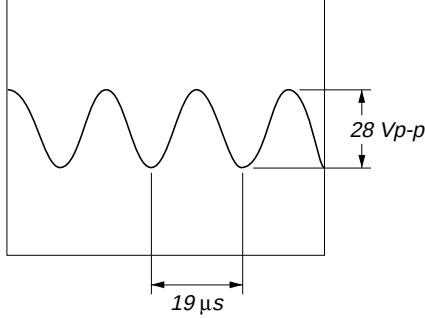


④ IC721 ④⑧ (XOUT)

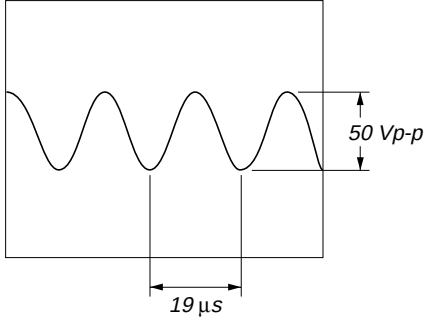


– MAIN Board –

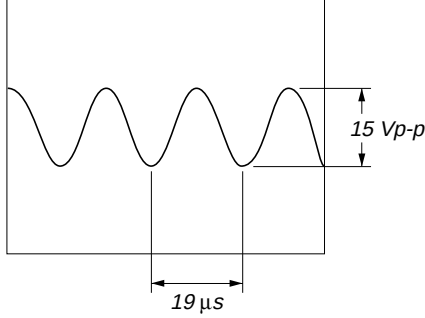
⑪ L311 ⑥ , ⑦ (REC Mode)



⑫ L311 ⑤ (REC Mode)

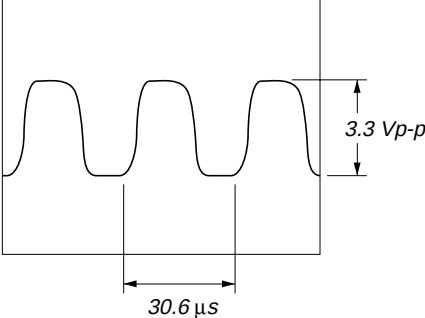


⑬ Q310 Collector (REC Mode)

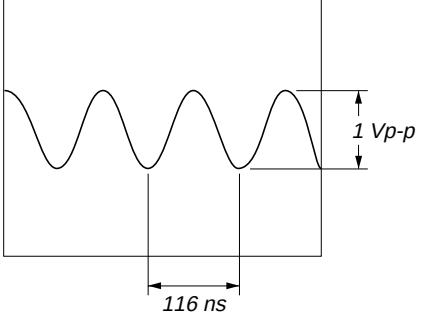


– PANEL Board –

⑭ IC901 ⑬ (XT2)

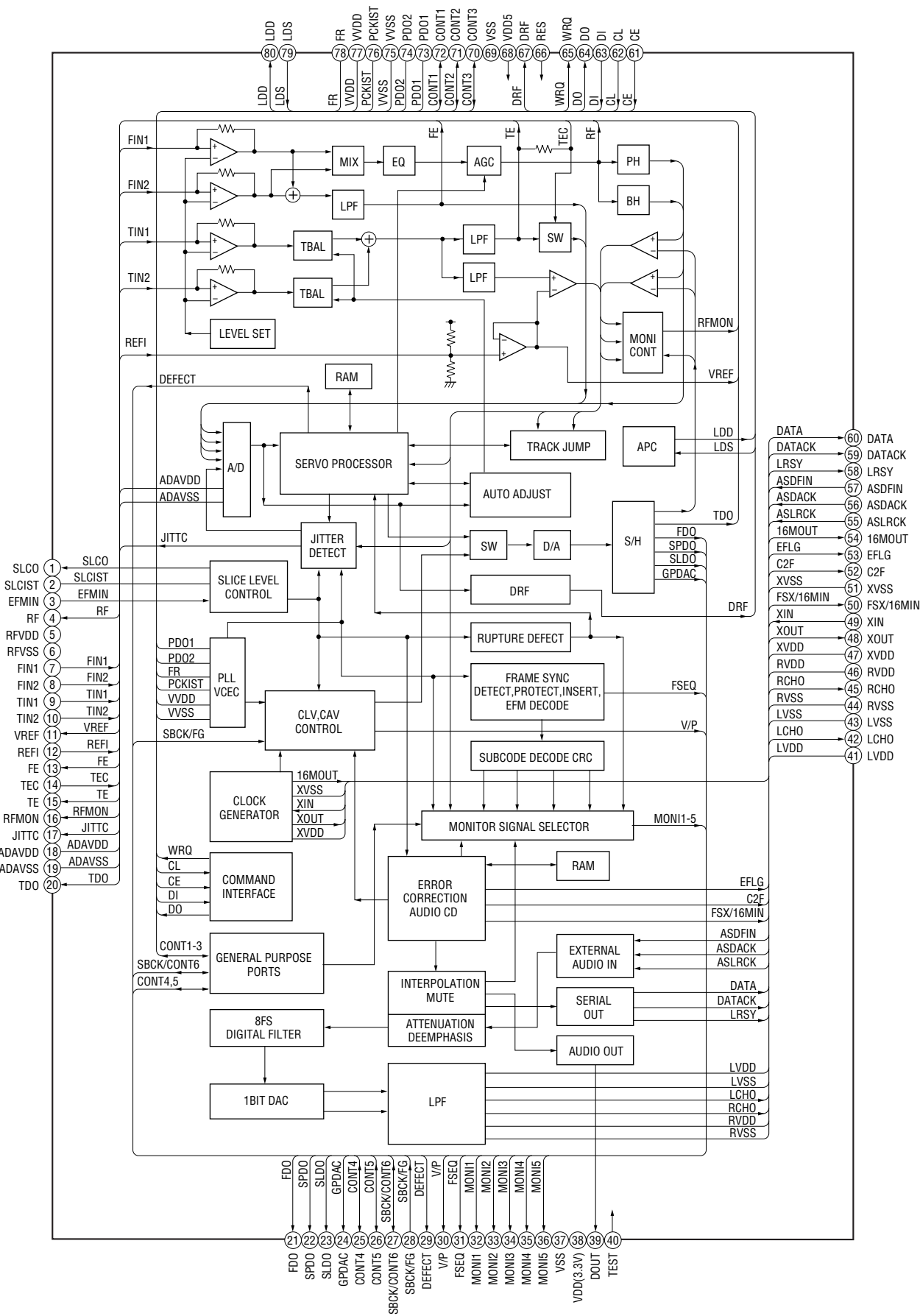


⑮ IC901 ⑮ (CF2)



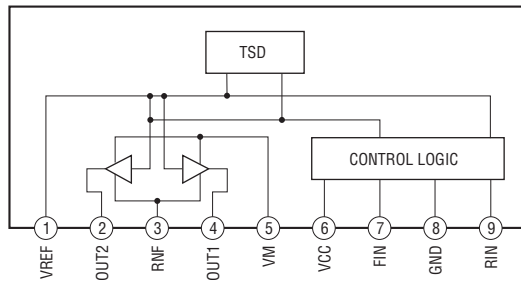
• IC Block Diagrams
– BD Board –

IC721 LC78646E-E



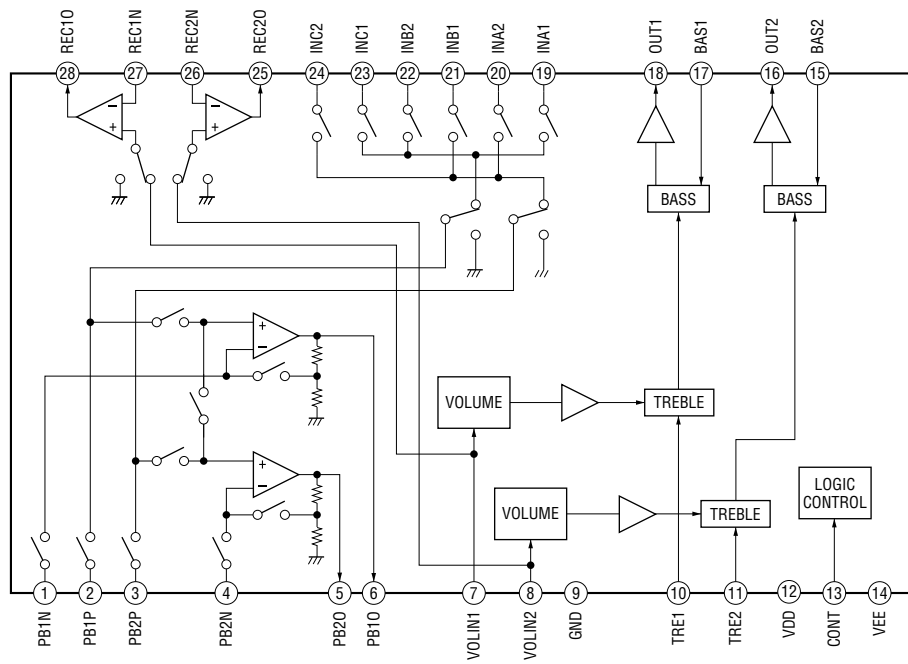
– DRIVER Board –

IC701, 712 BA6956AN

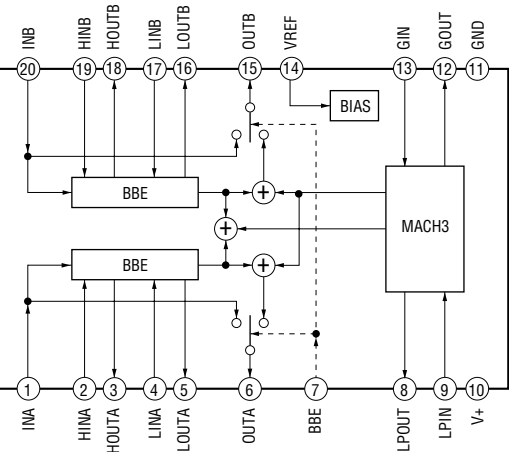


– MAIN Board –

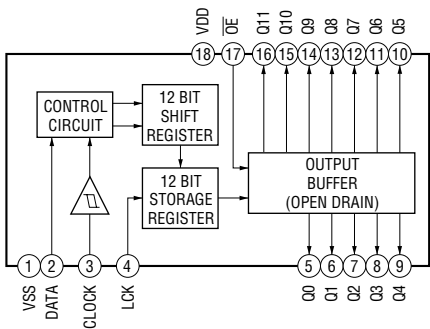
IC601 BD3881FV



IC671 NJM2156M (TE2)

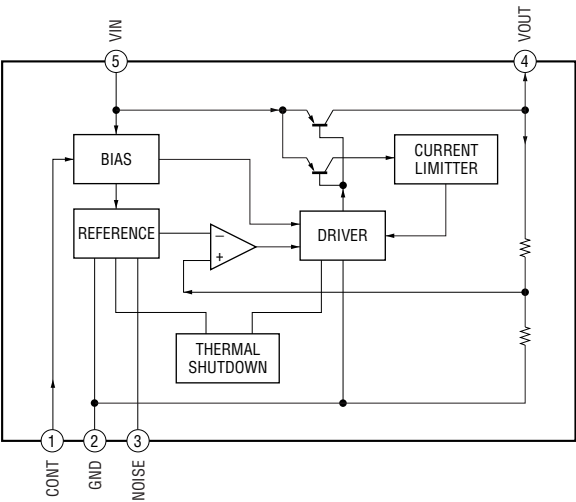


IC672 BU2092F-E2



- PANEL Board -

IC501 MM1614A



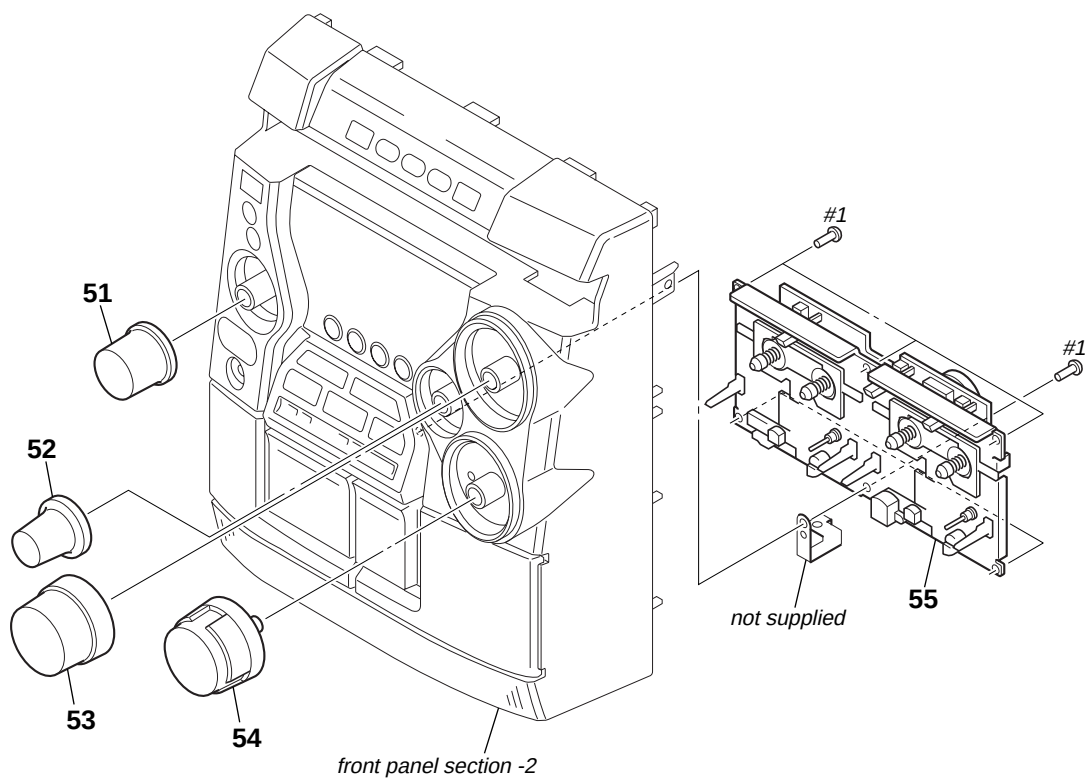
6-24. IC PIN FUNCTION DESCRIPTION

• PANEL BOARD IC901 LC876772B-51E9 (SYSTEM CONTROLLER)

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 (AEP, UK models only)
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	MP3 chip enable signal output terminal Not used
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	MP3 SYNC signal input terminal Not used
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, UK models only) and MIC signal input (except 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) Not used
22	SPEANA-M	I	Spectrum analyzer drive signal input terminal (middle band) Not used
23	SPEANA-H	I	Spectrum analyzer drive signal input terminal (high band) Not used
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 (AEP, UK models only)
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
51	FIX0	I/O	Not used
52	B HALF/S10	I/O	Deck-B cassette detection signal input and segment drive signal output to the fluorescent indicator tube

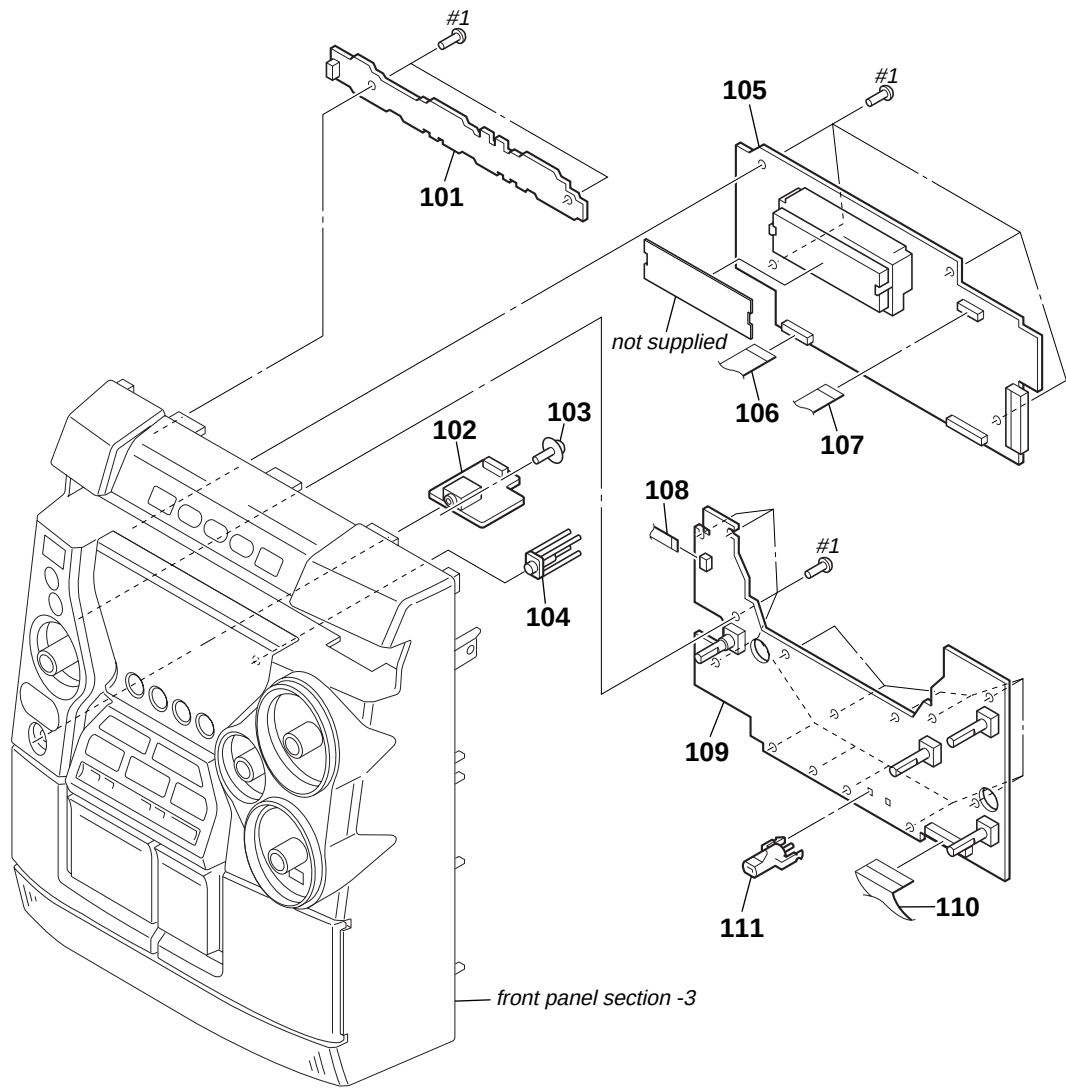
Pin No.	Pin Name	I/O	Description
53	$\overline{\text{REC FWD}}/\text{S11}$	I/O	Recording (forward direction) detection signal input and segment drive signal output to the fluorescent indicator tube
54	$\overline{\text{A HALF}}/\text{S12}$	I/O	Deck-A cassette detection signal input and segment drive signal output to the fluorescent indicator tube
55	$\overline{\text{A MODE}}/\text{S13}$	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	$\overline{\text{LED L}}$	O	LED drive signal output terminal
87	$\overline{\text{LED R}}$	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	$\overline{\text{KEYSCAN}}$	O	Scan signal output for switches in the tape deck section and segment drive signal (S14 to S25)
93	$\overline{\text{POWER LED}}$	O	LED drive signal output terminal
94	$\overline{\text{POWER}}$	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

7-2. FRONT PANEL SECTION-1



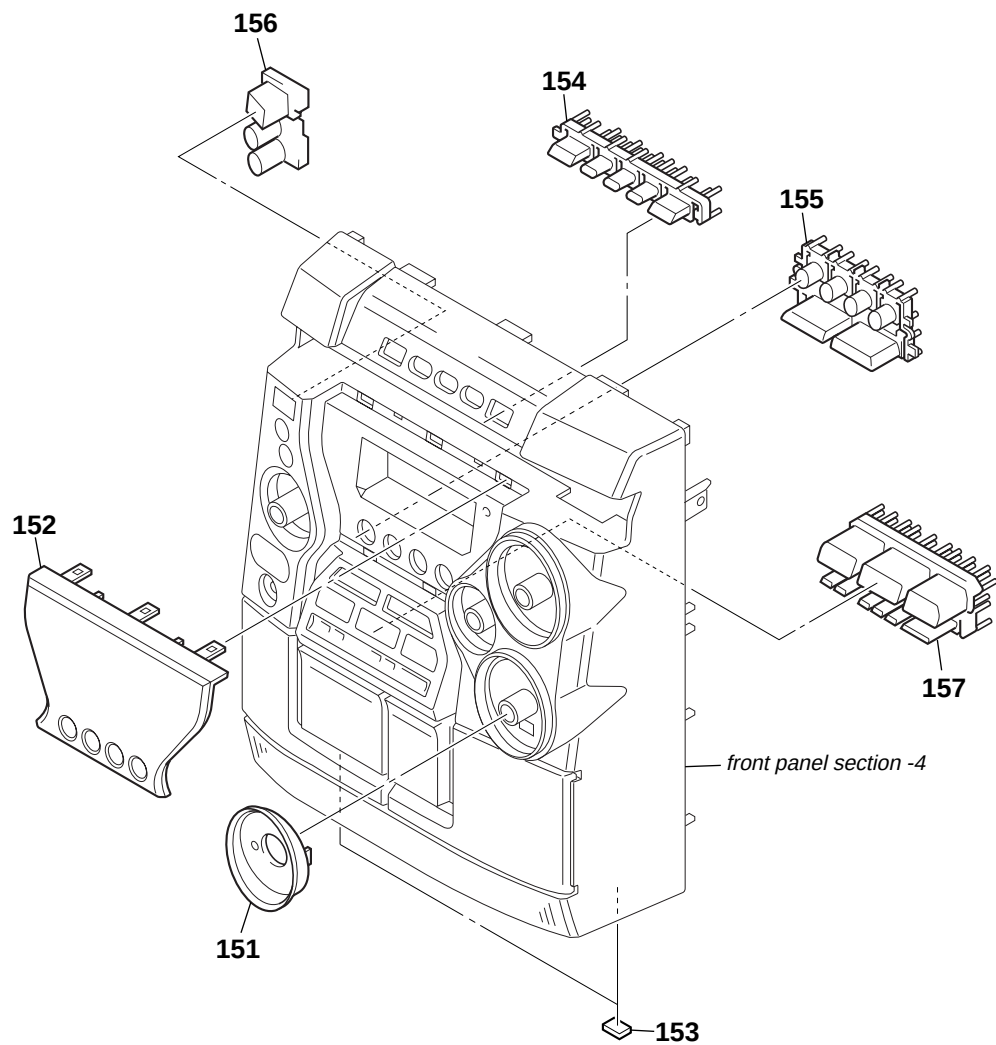
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-245-177-01	ROTARY (JOG), KNOB		54	4-245-176-01	PLATING, KNOB ROTARY (BASS)	
52	4-245-179-01	ROTARY (TRE), KNOB		55	1-796-485-51	DECK, MECHANICAL (CWM43FF13)	
53	4-245-182-01	PLATING, KNOB ROTARY (VOL)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

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-4732-748-A	KEY BOARD, COMPLETE (E51)	
104	4-245-189-01	REFLECTOR, REMOTE CONTROL		109	A-4732-922-A	KEY BOARD, COMPLETE (AEP, UK)	
105	A-4733-011-A	PANELBOARD, COMPLETE (E51)		109	A-4734-690-A	KEY BOARD, COMPLETE (E, EA, SP, TW, AUS)	
105	A-4747-710-A	PANELBOARD, COMPLETE (CIS)		109	A-4747-712-A	KEY BOARD, COMPLETE (CIS)	
105	A-4747-721-A	PANEL BOARD, COMPLETE (E, SP, TW, KR, AUS)		109	A-4748-928-A	KEY BOARD, COMPLETE (KR)	
105	A-4747-799-A	PANEL BOARD, COMPLETE (EA)		110	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
105	A-4748-177-A	PANEL BOARD, COMPLETE (AEP, UK)		111	4-245-264-01	GUIDE (I BASS)	
106	1-751-688-11	WIRE (FLAT TYPE) (13 CORE)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

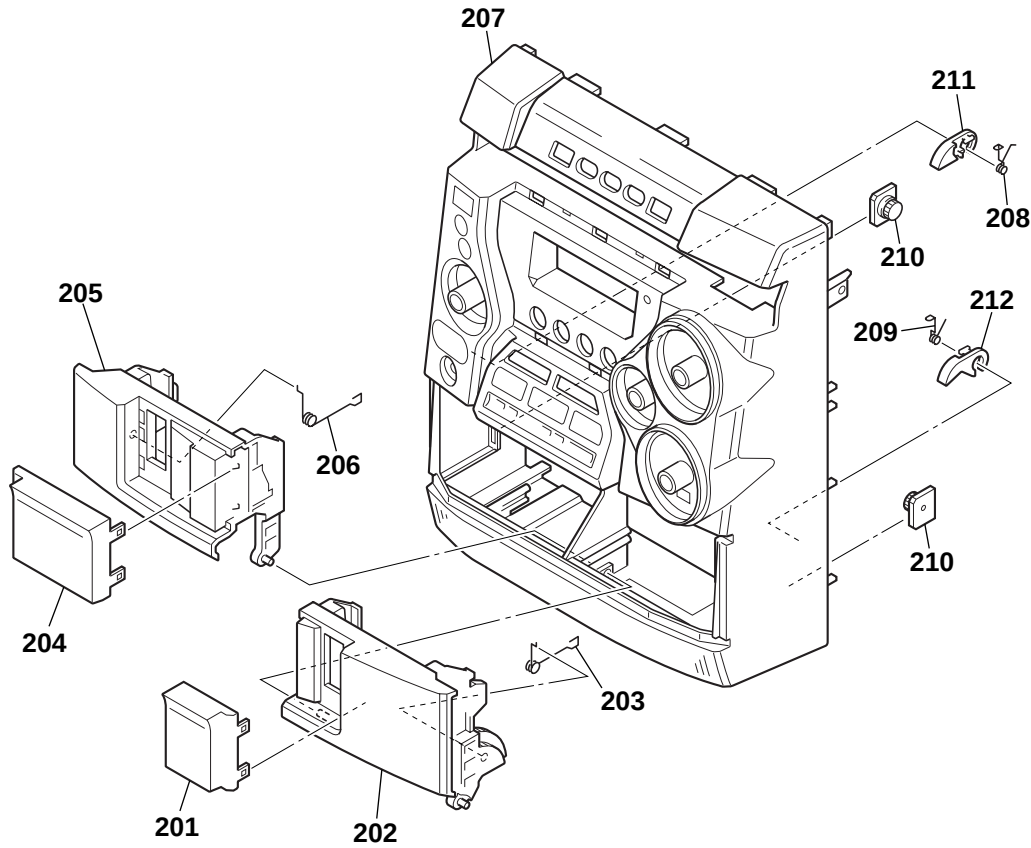
7-4. FRONT PANEL SECTION-3



Ref. No.	Part No.	Description	Remark
151	4-245-193-01	RING (BASS)	
152	4-245-277-01	WINDOW, DISPLAY	
		(CIS, E, EA, SP, TW, KR, AUS)	
152	4-245-277-11	WINDOW, DISPLAY (AEP, UK)	
152	4-245-277-21	WINDOW, DISPLAY (E51)	
153	4-233-980-01	RUBBER FOOT	
154	4-245-171-01	KEY (CD) (DISC CHANGE. 1. 2. 3. ▲)	

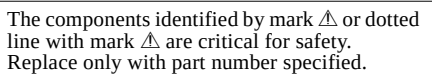
Ref. No.	Part No.	Description	Remark
155	4-245-172-01	KEY (FUN) (TAPE A/B. TUNER BAND. VIDEO/AUX. CD. ►. ■)	
156	X-4955-560-1	KEY ASSY (POWER)	
157	X-4955-571-1	KEY ASSY (OPE)	
		(◀◀. . ▶▶. SYNC DUB. ● REC/ REC MUTE. i-BASS) (EXCEPT AEP, UK)	
157	X-4955-573-1	KEY ASSY (RDS)	
		(◀◀. . ▶▶. SYNC DUB. ● REC/ REC MUTE. i-BASS) (AEP, UK)	

7-5. FRONT PANEL SECTION-4



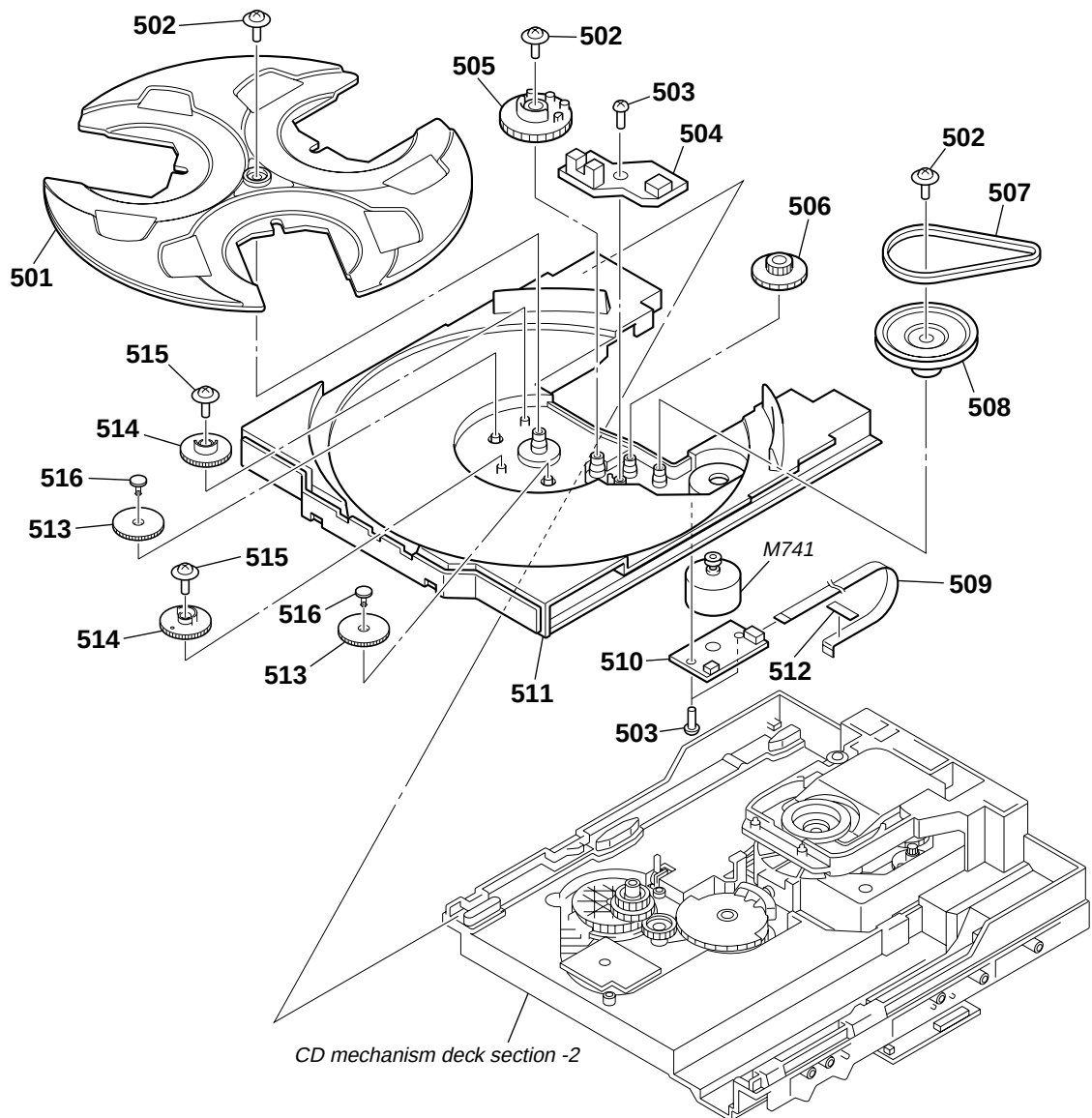
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-245-198-01	WINDOW (2), CASSETTE		207	4-245-200-31	CABINET, FRONT (AEP, UK)	
202	4-245-160-01	BOX, CASSETTE (2)		208	4-231-836-01	SPRING (HEART CAM-A)	
203	4-245-196-01	SPRING (BOX CASS R), TORSION		209	4-231-841-01	SPRING (HEART CAM-B)	
204	4-245-197-01	WINDOW (1), CASSETTE		210	4-224-104-41	DAMPER	
205	4-245-159-01	BOX, CASSETTE (1)		211	4-231-824-01	CAM (A), HEART	
206	4-245-195-01	SPRING (BOX CASS L), TORSION		212	4-231-825-01	CAM (B), HEART	
207	4-245-200-11	CABINET, FRONT (CIS)					
207	4-245-200-21	CABINET, FRONT	(E, E51, EA, SP, TW, KR, AUS)				

7-6. CHASSIS SECTION



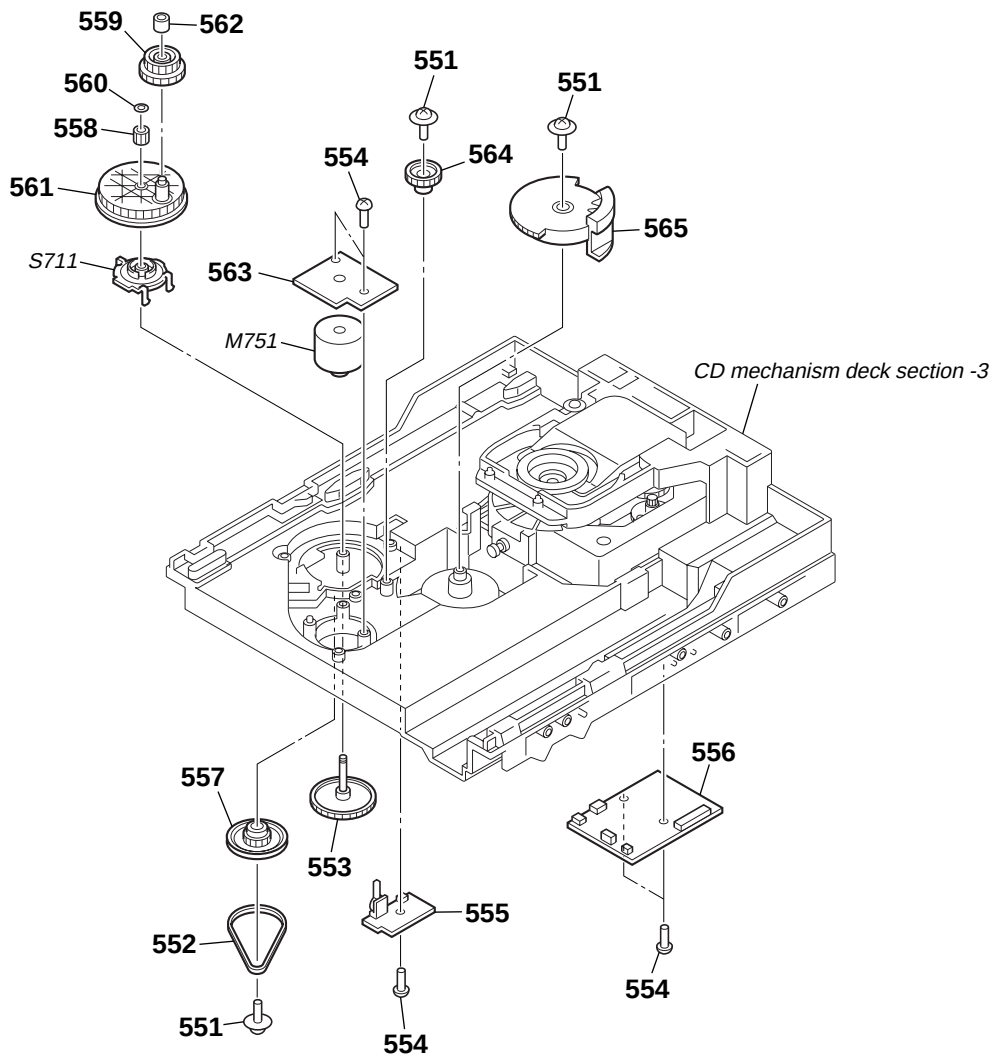
(EXCEPT AEP, UK)

7-7. CD MECHANISM DECK SECTION-1
(CDM74S-K6BD72)



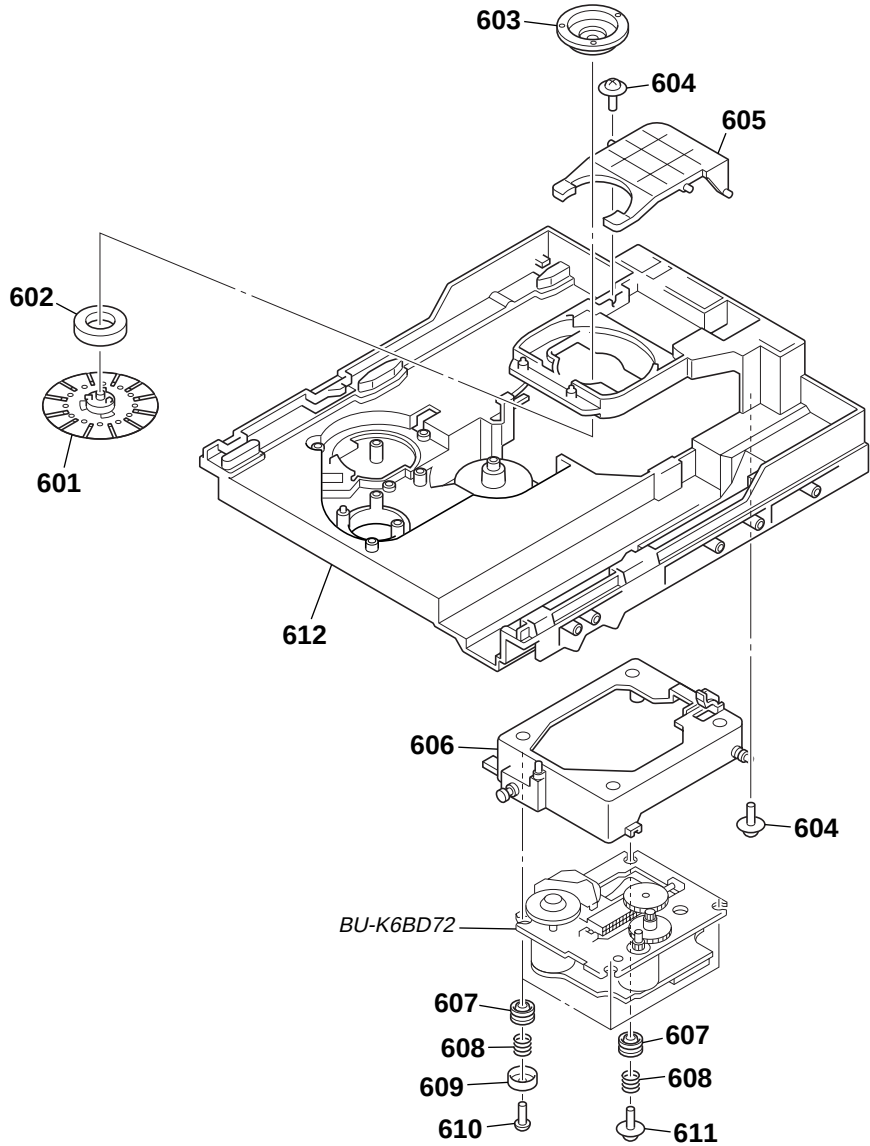
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
501	4-243-816-01	TRAY		510	1-687-134-11	MOTOR (TB) BOARD	
502	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		511	4-243-815-01	TABLE (LOADING)	
503	4-218-253-21	SCREW (M2.6), +BTTP		512	3-231-598-01	SHEET (BA)	
504	1-687-132-11	SENSOR 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
(CDM74S-K6BD72)



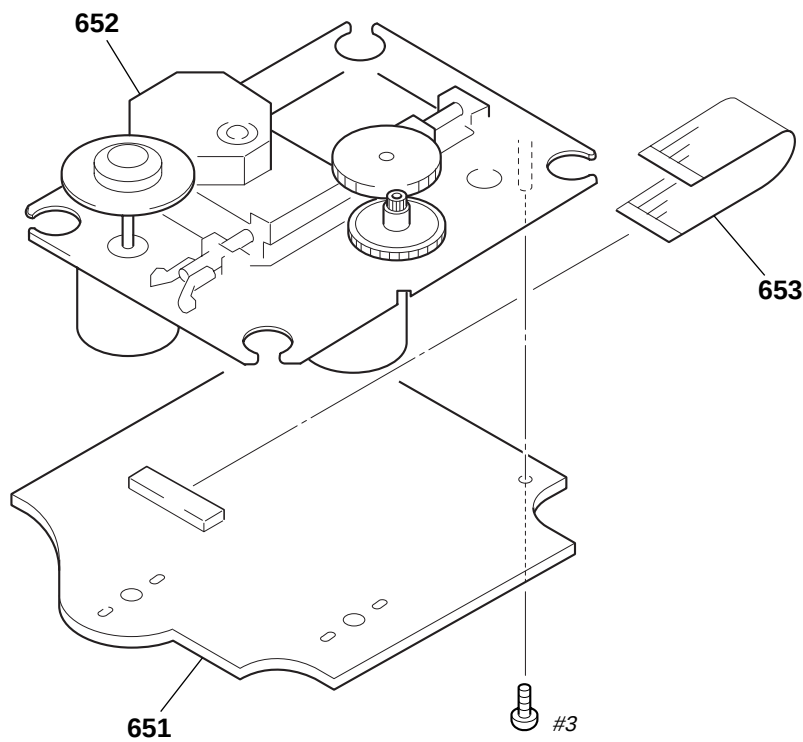
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
551	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING		560	3-016-533-11	WASHER (FR), STOPPER	
552	4-244-034-01	BELT (LOADING)		561	4-244-108-01	GEAR, SWING	
553	4-224-613-01	GEAR (SHAFT)		562	4-224-608-01	COLLAR, SWING	
554	4-218-253-31	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	
558	4-224-611-01	GEAR (LOADING B)		S711	1-477-680-11	ENCODER, ROTARY	
559	4-224-609-01	GEAR (LOADING C)				(DISC TRAY ADDRESS DETECT)	

7-9. CD MECHANISM DECK SECTION-3
(CDM74S-K6BD72)



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

7-10. BASE UNIT SECTION
(BU-K6BD72)



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
651	A-4734-406-A	BD BOARD, COMPLETE		653	1-823-859-11	WIRE (FLAT TYPE) (16 CORE)	
$\triangle$ 652	A-4735-357-A	BASE ASSY, OP (KSM-213D)		#3	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	

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
E51 : Chilean and Peruvian models
EA : Saudi Arabia model

KR : Korean 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: μ , for example:
uA. . : μ A. . uPA. . : μ PA. .
uPB. . : μ PB. . uPC. . : μ PC. .
uPD. . : μ PD. .
- CAPACITORS
uF: μ F
- COILS
uH: μ H

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-4734-406-A	BD BOARD, COMPLETE *****					
		< CAPACITOR >					
C701	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C753	1-162-949-11	CERAMIC CHIP 47PF	5% 50V
C702	1-124-584-00	ELECT 100uF	20% 10V	C754	1-162-949-11	CERAMIC CHIP 47PF	5% 50V
C703	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C756	1-162-949-11	CERAMIC CHIP 47PF	5% 50V
C704	1-124-589-11	ELECT 47uF	20% 16V			< CONNECTOR >	
C705	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	CN708	1-793-907-11	CONNECTOR, FFC/FPC 16P	
				CN710	1-784-741-11	CONNECTOR, FFC 19P	
						< FERRITE BEAD >	
C706	1-164-156-11	CERAMIC CHIP 0.1uF	25V	FB701	1-550-907-21	FERRITE 0uH	
C707	1-124-584-00	ELECT 100uF	20% 10V	FB707	1-550-907-21	FERRITE 0uH	
C708	1-164-156-11	CERAMIC CHIP 0.1uF	25V	FB708	1-550-907-21	FERRITE 0uH	
C709	1-124-584-00	ELECT 100uF	20% 10V			< IC >	
C710	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V	IC721	6-701-796-01	IC LC78646E-E	
				IC722	6-704-220-01	IC BA5836FP	
C711	1-164-156-11	CERAMIC CHIP 0.1uF	25V			< TRANSISTOR >	
C712	1-162-949-11	CERAMIC CHIP 47PF	5% 50V	Q701	8-729-054-57	TRANSISTOR KTN2907AS-RTK	
C713	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V			< RESISTOR >	
C714	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R701	1-216-841-11	METAL CHIP 47K	5% 1/10W
C715	1-126-160-11	ELECT 1uF	20% 50V	R702	1-216-835-11	METAL CHIP 15K	5% 1/10W
				R703	1-216-835-11	METAL CHIP 15K	5% 1/10W
C716	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	R704	1-216-835-11	METAL CHIP 15K	5% 1/10W
C717	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V	R705	1-216-835-11	METAL CHIP 15K	5% 1/10W
C718	1-115-156-11	CERAMIC CHIP 1uF	10V				
C719	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V	R706	1-216-841-11	METAL CHIP 47K	5% 1/10W
C720	1-162-953-11	CERAMIC CHIP 100PF	5% 50V	R707	1-216-797-11	METAL CHIP 10	5% 1/10W
				R708	1-216-833-11	METAL CHIP 10K	5% 1/10W
C721	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R709	1-216-838-11	METAL CHIP 27K	5% 1/10W
C722	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R711	1-216-815-11	METAL CHIP 330	5% 1/10W
C723	1-124-584-00	ELECT 100uF	20% 10V				
C729	1-126-934-11	ELECT 220uF	20% 10V	R713	1-216-821-11	METAL CHIP 1K	5% 1/10W
C731	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R714	1-216-809-11	METAL CHIP 100	5% 1/10W
				R715	1-216-809-11	METAL CHIP 100	5% 1/10W
C732	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	R716	1-216-809-11	METAL CHIP 100	5% 1/10W
C733	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	R717	1-216-809-11	METAL CHIP 100	5% 1/10W
C734	1-162-917-11	CERAMIC CHIP 15PF	5% 50V				
C735	1-162-918-11	CERAMIC CHIP 18PF	5% 50V	R718	1-216-809-11	METAL CHIP 100	5% 1/10W
C741	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R719	1-216-809-11	METAL CHIP 100	5% 1/10W
				R720	1-216-809-11	METAL CHIP 100	5% 1/10W
C742	1-164-156-11	CERAMIC CHIP 0.1uF	25V	R721	1-216-809-11	METAL CHIP 100	5% 1/10W
C743	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V	R722	1-216-809-11	METAL CHIP 100	5% 1/10W
C744	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V				
C745	1-162-949-11	CERAMIC CHIP 47PF	5% 50V	R725	1-216-819-11	METAL CHIP 680	5% 1/10W
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				

BD	CD KEY	DRIVER	HEADPHONE
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Ref. No.	Part No.	Description	Remark		
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
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

Ref. No.	Part No.	Description	Remark		
C741	1-162-306-11	CERAMIC	0.01uF	30%	16V
C751	1-162-306-11	CERAMIC	0.01uF	30%	16V
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	HEADPHONE BOARD			

< CAPACITOR >					
C250	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
< 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	1-260-089-11	CARBON	150	5%	1/2W
(EXCEPT AEP, UK, CIS)					
R224	1-260-089-11	CARBON	150	5%	1/2W
(EXCEPT AEP, UK, CIS)					
R225	1-260-089-11	CARBON	150	5%	1/2W
(EXCEPT AEP, UK, CIS)					
R225	1-260-090-61	CARBON	180	5%	1/2W
(AEP, UK, CIS)					

HEADPHONE

KEY

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R226	1-260-089-11	CARBON	150 5% 1/2W (EXCEPT AEP, UK, CIS)			< FERRITE BEAD >	
R226	1-260-090-61	CARBON	180 5% 1/2W (AEP, UK, CIS)	FB401	1-410-396-41	FERRITE 0.45uH (EXCEPT AEP, UK, CIS)	
		< CONNECTOR >				< IC >	
WH230	1-816-818-11	HLDR, WIRE 2.5-5P		IC401	8-759-710-97	IC NJM4565M (TE2) (EXCEPT AEP, UK, CIS)	
*****						< JACK >	
	A-4732-748-A	KEY BOARD, COMPLETE (E51)		J401	1-816-860-11	JACK, 6.3 BLK MONO W/SW V MSC (MIC) (EXCEPT AEP, UK, CIS)	
	A-4732-922-A	KEY BOARD, COMPLETE (AEP, UK)				< SHORT >	
	A-4734-690-A	KEY BOARD, COMPLETE (E, EA, SP, TW, AUS)		JR403	1-216-864-11	SHORT CHIP 0 (EXCEPT AEP, UK, CIS)	
	A-4747-712-A	KEY BOARD, COMPLETE (CIS)		JR404	1-216-864-11	SHORT CHIP 0 (EXCEPT AEP, UK, CIS)	
	A-4748-928-A	KEY BOARD, COMPLETE (KR)				< LED >	
	*****					< TRANSISTOR >	
	< CAPACITOR >			Q401	8-729-045-62	FET 2SK2158-T2B (EXCEPT AEP, UK, CIS)	
C402	1-164-156-11	CERAMIC CHIP	0.1uF 25V (EXCEPT AEP, UK, CIS)			< RESISTOR >	
C403	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V (EXCEPT AEP, UK, CIS)	LED201	8-719-053-43	LED SLR-325VCT31 (i-BASS)	
C404	1-126-957-11	ELECT	0.22uF 20% 50V (EXCEPT AEP, UK, CIS)	LED901	6-500-641-01	LED SLI-325URC (⏻) (STANDBY/ON)	
C405	1-126-960-11	ELECT	1uF 20% 50V (EXCEPT AEP, UK, CIS)				
C406	1-126-934-11	ELECT	220uF 20% 10V (EXCEPT AEP, UK, CIS)				
C407	1-162-926-11	CERAMIC CHIP	82PF 5% 50V (EXCEPT AEP, UK, CIS)	R231	1-216-198-00	RES-CHIP 1K 5% 1/8W	
C408	1-126-956-91	ELECT	0.1uF 20% 50V (EXCEPT AEP, UK, CIS)	R301	1-216-864-11	SHORT CHIP 0	
C409	1-126-934-11	ELECT	220uF 20% 16V (EXCEPT AEP, UK, CIS)	R302	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C410	1-126-965-11	ELECT	22uF 20% 50V (EXCEPT AEP, UK, CIS)	R303	1-216-820-11	METAL CHIP 820 5% 1/10W	
C411	1-164-473-11	CERAMIC CHIP	820PF 5% 50V (EXCEPT AEP, UK, CIS)	R304	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C412	1-126-960-11	ELECT	1uF 20% 50V (EXCEPT AEP, UK, CIS)	R305	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
C416	1-126-956-91	ELECT	0.1uF 20% 50V (EXCEPT AEP, UK, CIS)	R306	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
C419	1-164-156-11	CERAMIC CHIP	0.1uF 25V (EXCEPT AEP, UK, CIS)	R311	1-216-864-11	SHORT CHIP 0	
C441	1-164-156-11	CERAMIC CHIP	0.1uF 25V (EXCEPT AEP, UK, CIS)	R312	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C801	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R313	1-216-820-11	METAL CHIP 820 5% 1/10W	
C802	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R314	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C803	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R315	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
C804	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R316	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
C805	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R317	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
C806	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R318	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
C807	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R321	1-216-864-11	SHORT CHIP 0	
C808	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	R322	1-216-821-11	METAL CHIP 1K 5% 1/10W	
	< CONNECTOR >			R323	1-216-820-11	METAL CHIP 820 5% 1/10W	
CN301	1-784-766-11	CONNECTOR, FFC 5P		R324	1-216-821-11	METAL CHIP 1K 5% 1/10W	
CN303	1-784-784-11	CONNECTOR, FFC 23P		R325	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
	< DIODE >			R401	1-216-845-11	METAL CHIP 100K 5% 1/10W (EXCEPT AEP, UK, CIS)	
D401	8-719-991-33	DIODE 1SS133T-72 (EXCEPT AEP, UK, CIS)		R402	1-216-829-11	METAL CHIP 4.7K 5% 1/10W (EXCEPT AEP, UK, CIS)	
				R403	1-216-849-11	METAL CHIP 220K 5% 1/10W (EXCEPT AEP, UK, CIS)	
				R404	1-218-867-11	METAL CHIP 6.8K 5% 1/10W (EXCEPT AEP, UK, CIS)	
				R405	1-216-825-11	METAL CHIP 2.2K 5% 1/10W (EXCEPT AEP, UK, CIS)	
				R406	1-216-850-11	METAL CHIP 270K 5% 1/10W (EXCEPT AEP, UK, CIS)	

CX-JN1

Ver 1.2

KEY

MAIN

Ref. No.	Part No.	Description	Remark		
R407	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK, CIS)
R408	1-216-174-00	RES-CHIP	100	5%	1/8W (EXCEPT AEP, UK, CIS)
R409	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK, CIS)
R410	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK, CIS)
R411	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK, CIS)
R412	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK, CIS)
R413	1-216-839-11	METAL CHIP	33K	5%	1/10W (EXCEPT AEP, UK, CIS)
R414	1-216-797-11	METAL CHIP	10	5%	1/10W (EXCEPT AEP, UK, CIS)
R432	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT 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
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 MUTING)			
S314	1-762-875-21	SWITCH, KEYBOARD (SYNC DUB)			
S315	1-762-875-21	SWITCH, KEYBOARD (POWER)			
S317	1-762-875-21	SWITCH, KEYBOARD (RT) (AEP, UK)			
S318	1-762-875-21	SWITCH, KEYBOARD (PTY) (AEP, UK)			
S801	1-786-396-11	SW, RTRY EC12E24604-30MM (VOLUME)			
S802	1-786-396-11	SW, RTRY EC12E24604-30MM (i-BASS)			
S803	1-477-824-11	ENCODER, ROTARY (TREBLE)			
S804	1-786-418-11	SW, RTRY RE0123PVB30F (MULTI JOG)			

Ref. No.	Part No.	Description	Remark		
< VARIABLE RESISTOR >					
VR401	1-227-502-11	RES, VAR, CARBON 10K (MIC MIXING)	(EXCEPT AEP, UK, CIS)		

	A-4732-979-A	MAIN BOARD, COMPLETE (AEP, UK)			
	A-4733-029-A	MAIN BOARD, COMPLETE (E51)			
	A-4747-715-A	MAIN BOARD, COMPLETE (CIS)			
	A-4747-724-A	MAIN BOARD, COMPLETE (KR)			
	A-4747-728-A	MAIN BOARD, COMPLETE (E, SP, TW)			
	A-4747-801-A	MAIN BOARD, COMPLETE (EA)			
	A-4748-140-A	MAIN BOARD, COMPLETE (AUS)			

< CAPACITOR/SHORT >					
C003	1-126-974-21	ELECT	3300uF	20%	50V (E, EA, SP, TW, KR, AUS)
C003	1-127-811-11	ELECT	3300uF	20%	50V (E51)
C004	1-126-974-21	ELECT	3300uF	20%	50V (E, EA, SP, TW, KR, AUS)
C004	1-127-811-11	ELECT	3300uF	20%	50V (E51)
C005	1-126-944-11	ELECT	3300uF	20%	25V (AEP, UK, CIS)
C005	1-126-955-21	ELECT	4700uF	20%	35V (EXCEPT AEP, UK, CIS)
C006	1-126-944-11	ELECT	3300uF	20%	25V (AEP, UK, CIS)
C006	1-126-955-21	ELECT	4700uF	20%	35V (EXCEPT AEP, UK, CIS)
C007	1-126-944-11	ELECT	3300uF	20%	25V (AEP, UK, CIS)
C007	1-128-549-11	ELECT	3300uF	20%	35V (EXCEPT AEP, UK, CIS)
C008	1-126-942-61	ELECT	1000uF	20%	25V
C011	1-165-621-11	CERAMIC CHIP	0.1uF		50V (EXCEPT AEP, UK, CIS)
C012	1-165-621-11	CERAMIC CHIP	0.1uF		50V (EXCEPT AEP, UK, CIS)
C013	1-165-621-11	CERAMIC CHIP	0.1uF		50V (EXCEPT AEP, UK, CIS)
C014	1-165-621-11	CERAMIC CHIP	0.1uF		50V (EXCEPT AEP, UK, CIS)
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 (EXCEPT AEP, UK, CIS)
C034	1-165-621-11	CERAMIC CHIP	0.1uF		50V (EXCEPT AEP, UK, CIS)
C041	1-126-948-11	ELECT	100uF	20%	35V (AEP, UK, CIS)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C041	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK, CIS)	C128	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)
C042	1-126-948-11	ELECT	100uF	20%	35V (AEP, UK, CIS)	C129	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)
C042	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK, CIS)	C130	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)
C043	1-126-948-11	ELECT	100uF	20%	35V (AEP, UK, CIS)	C131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK, CIS, KR)
C043	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK, CIS)	C132	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK, CIS, KR)
C044	1-126-948-11	ELECT	100uF	20%	35V (AEP, UK, CIS)	C133	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)
C044	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK, CIS)	C134	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)
C045	1-126-968-11	ELECT	100uF	20%	50V	C135	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)
C046	1-126-968-11	ELECT	100uF	20%	50V	C136	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)
C047	1-104-665-11	ELECT	100uF	20%	10V	C181	1-126-959-11	ELECT	0.47uF	20%	50V
C061	1-126-947-11	ELECT	47uF	20%	25V	C182	1-126-959-11	ELECT	0.47uF	20%	50V
C062	1-126-960-11	ELECT	1uF	20%	50V	C201	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C063	1-126-960-11	ELECT	1uF	20%	50V	C202	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C097	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C203	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C103	1-163-137-00	CERAMIC CHIP	680PF	5%	50V (AEP, UK, CIS)	C204	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C103	1-163-139-00	CERAMIC CHIP	820PF	5%	50V (EXCEPT AEP, UK, CIS)	C205	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK, CIS, KR)
C104	1-163-137-00	CERAMIC CHIP	680PF	5%	50V (AEP, UK, CIS)	C206	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK, CIS, KR)
C104	1-163-139-00	CERAMIC CHIP	820PF	5%	50V (EXCEPT AEP, UK, CIS)	C207	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK, CIS, KR)
C105	1-126-961-11	ELECT	2.2uF	20%	50V	C208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK, CIS, KR)
C106	1-126-961-11	ELECT	2.2uF	20%	50V	C230	1-119-850-11	ELECT	10uF	20%	63V (EXCEPT AEP, UK, CIS)
C109	1-126-964-11	ELECT	10uF	20%	50V	C231	1-119-850-11	ELECT	10uF	20%	63V (EXCEPT AEP, UK, CIS)
C110	1-126-964-11	ELECT	10uF	20%	50V	C232	1-164-156-11	CERAMIC CHIP	0.1uF		25V (EXCEPT AEP, UK, CIS)
C111	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK, CIS, KR)	C239	1-165-621-11	CERAMIC CHIP	0.1uF		50V (AEP, UK, CIS, KR)
C112	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK, CIS, KR)	C240	1-165-621-11	CERAMIC CHIP	0.1uF		50V (AEP, UK, CIS, KR)
C113	1-126-966-11	ELECT	33uF	20%	50V	C241	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C114	1-126-966-11	ELECT	33uF	20%	50V	C243	1-165-621-11	CERAMIC CHIP	0.1uF		50V (AEP, UK, CIS, KR)
C115	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C244	1-165-621-11	CERAMIC CHIP	0.1uF		50V (AEP, UK, CIS, KR)
C116	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C281	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C117	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK, CIS)	C282	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C117	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK, CIS)	C301	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C118	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK, CIS)	C302	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C118	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK, CIS)	C303	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C119	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK, CIS)	C304	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C119	1-216-864-11	SHORT CHIP	0	(AEP, UK, CIS)	C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	
C120	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK, CIS)	C306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C120	1-216-864-11	SHORT CHIP	0	(AEP, UK, CIS)	C311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C121	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C312	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C122	1-165-621-11	CERAMIC CHIP	0.1uF		50V	C313	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C125	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C314	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C126	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C315	1-130-487-00	MYLAR	0.022uF	5%	50V
C127	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)	C316	1-130-485-00	MYLAR	0.015uF	5%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark					
C317	1-130-485-00	MYLAR	0.015uF	5%	50V	C680	1-130-499-00	MYLAR	0.22uF	5%	50V			
C318	1-130-479-00	MYLAR	0.0047uF	5%	50V	C681	1-130-499-00	MYLAR	0.22uF	5%	50V			
C319	1-126-964-11	ELECT	10uF	20%	50V	C682	1-164-156-11	CERAMIC CHIP	0.1uF		25V			
C320	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C683	1-126-941-11	ELECT	470uF	20%	25V			
C321	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C684	1-164-156-11	CERAMIC CHIP	0.1uF		25V			
C322	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C685	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)			
C601	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C686	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, CIS, KR)			
C602	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C687	1-162-974-11	CERAMIC CHIP	0.01uF		50V			
C603	1-104-665-11	ELECT	100uF	20%	10V	C688	1-126-964-11	ELECT	10uF	20%	50V			
C604	1-104-665-11	ELECT	100uF	20%	10V	C689	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK, CIS, KR)			
C605	1-130-481-00	MYLAR	0.0068uF	5%	50V	C693	1-126-960-11	ELECT	1uF	20%	50V			
C606	1-130-481-00	MYLAR	0.0068uF	5%	50V	C694	1-126-960-11	ELECT	1uF	20%	50V			
C607	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C695	1-126-935-11	ELECT	470uF	20%	10V			
C608	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C698	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK, CIS, KR)			
C609	1-126-960-11	ELECT	1uF	20%	50V	C699	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK, CIS, KR)			
C610	1-126-960-11	ELECT	1uF	20%	50V	C730	1-162-927-11	CERAMIC CHIP	100PF	5%	50V			
C611	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	C731	1-162-927-11	CERAMIC CHIP	100PF	5%	50V			
C612	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	C732	1-162-927-11	CERAMIC CHIP	100PF	5%	50V			
C613	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C733	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK, CIS, KR)			
C614	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C734	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK, CIS, KR)			
C621	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V	C764	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V			
C622	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V	C765	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V			
C623	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V	C766	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V			
C624	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V	C767	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V			
C625	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V	C801	1-126-964-11	ELECT	10uF	20%	50V (AEP, UK)			
C626	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V	C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK)			
C641	1-126-957-11	ELECT	0.22uF	20%	50V	C901	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP, UK, CIS, KR)			
C642	1-126-957-11	ELECT	0.22uF	20%	50V	C902	1-127-876-11	CERAMIC	0.01uF	10%	50V (AEP, UK, CIS, KR)			
C643	1-126-957-11	ELECT	0.22uF	20%	50V	C903	1-127-888-11	CERAMIC	0.1uF	10%	50V (AEP, UK, CIS, KR)			
C644	1-126-957-11	ELECT	0.22uF	20%	50V	C904	1-127-888-11	CERAMIC	0.1uF	10%	50V (AEP, UK, CIS, KR)			
C645	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C905	1-127-888-11	CERAMIC	0.1uF	10%	50V (AEP, UK, CIS, KR)			
C646	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	C906	1-162-282-31	CERAMIC	100PF	10%	50V (AEP, UK, CIS, KR)			
C647	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C907	1-162-282-31	CERAMIC	100PF	10%	50V (AEP, UK, CIS, KR)			
C649	1-126-963-11	ELECT	4.7uF	20%	50V	< CONNECTOR >								
C651	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	* CN301	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P						
C652	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	* CN302	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P						
C653	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	CN601	1-793-766-11	CONNECTOR, BOARD TO BOARD 30P						
C654	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	CN691	1-784-780-11	CONNECTOR, FFC 19P						
C655	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	CN694	1-568-830-11	CONNECTOR, FFC 11P						
C661	1-126-934-11	ELECT	220uF	20%	10V	CN801	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK)						
C662	1-126-947-11	ELECT	47uF	20%	25V	CN802	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK)						
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									

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< DIODE/SHORT >				D671	8-719-988-61	DIODE 1SS355TE-17	
D009	8-719-072-05	DIODE D5SBA20-4003	(EXCEPT AEP, UK, CIS)	D691	6-500-522-21	DIODE 10EDB40-TB3	
D015	8-719-979-50	DIODE EGP30DL-6085		D692	6-500-522-21	DIODE 10EDB40-TB3	
D016	8-719-979-50	DIODE EGP30DL-6085		D693	6-500-522-21	DIODE 10EDB40-TB3	
D017	8-719-979-50	DIODE EGP30DL-6085		D694	6-500-522-21	DIODE 10EDB40-TB3	
D018	8-719-979-50	DIODE EGP30DL-6085		D695	8-719-988-61	DIODE 1SS355TE-17	
D019	8-719-048-61	DIODE EGP20DL-6349		D697	6-500-522-21	DIODE 10EDB40-TB3	
D020	8-719-048-61	DIODE EGP20DL-6349		D698	8-719-991-33	DIODE 1SS133T-72	
D021	8-719-048-61	DIODE EGP20DL-6349	(EXCEPT AEP, UK, CIS)	D801	8-719-069-54	DIODE UDZSTE-175.1B (AEP, UK)	
D022	8-719-048-61	DIODE EGP20DL-6349	(EXCEPT AEP, UK, CIS)	< GROUND TERMINAL >			
D031	8-719-991-33	DIODE 1SS133T-72		* EP001	1-537-738-21	TERMINAL, EARTH	
D032	8-719-988-61	DIODE 1SS355TE-17		* EP099	1-537-738-21	TERMINAL, EARTH	
D033	8-719-988-61	DIODE 1SS355TE-17		< SHORT/FERRITE BEAD >			
D041	6-500-522-21	DIODE 10EDB40-TB3		FB601	1-216-295-00	SHORT CHIP 0	
D042	6-500-522-21	DIODE 10EDB40-TB3		FB602	1-216-295-00	SHORT CHIP 0	
D043	6-500-522-21	DIODE 10EDB40-TB3		FB693	1-410-396-71	FERRITE 0.45uH	
D044	6-500-522-21	DIODE 10EDB40-TB3		< IC >			
D045	8-719-083-70	DIODE UDZSTE-1727B		IC001	8-759-701-59	IC TA7809S	
D063	8-719-820-05	DIODE 1SS181-TE85L (EXCEPT AEP, UK, CIS)		IC002	8-759-701-59	IC TA7809S	
D064	8-719-801-78	DIODE 1SS184-TE85L (EXCEPT AEP, UK, CIS)		IC003	6-701-760-01	IC uPC3504AHF	
D065	8-719-988-61	DIODE 1SS355TE-17		IC601	6-702-895-01	IC BD3881FV	
D066	8-719-988-61	DIODE 1SS355TE-17		IC671	6-704-074-01	IC NJM2156M (TE2)	
D067	8-719-801-78	DIODE 1SS184-TE85L (EXCEPT AEP, UK, CIS)		IC672	8-759-396-78	IC BU2092F-E2	
D068	8-719-820-05	DIODE 1SS181-TE85L (EXCEPT AEP, UK, CIS)		< JACK >			
D069	8-719-988-61	DIODE 1SS355TE-17		J203	1-694-635-12	TERMINAL BOARD (4P) (SPEAKER)	
D101	8-719-820-05	DIODE 1SS181-TE85L		J602	1-793-987-11	JACK, PIN 2P (VIDEO/AUX)	
D103	8-719-988-61	DIODE 1SS355TE-17		< SHORT >			
D104	8-719-988-61	DIODE 1SS355TE-17		JR001	1-216-864-11	SHORT CHIP 0	
D105	8-719-820-05	DIODE 1SS181-TE85L		JR201	1-216-864-11	SHORT CHIP 0	
D106	8-719-820-05	DIODE 1SS181-TE85L		JR202	1-216-864-11	SHORT CHIP 0	
D107	8-719-801-78	DIODE 1SS184-TE85L		JR203	1-216-864-11	SHORT CHIP 0	
D108	8-719-801-78	DIODE 1SS184-TE85L		JR204	1-216-864-11	SHORT CHIP 0	
D109	8-719-046-74	DIODE AU-01Z-WS		JR601	1-216-864-11	SHORT CHIP 0 (AEP, UK, CIS)	
D110	8-719-046-74	DIODE AU-01Z-WS		JR602	1-216-864-11	SHORT CHIP 0	
D111	8-719-801-78	DIODE 1SS184-TE85L (EXCEPT AEP, UK, CIS)		JR603	1-216-864-11	SHORT CHIP 0	
D231	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT AEP, UK, CIS)		JR604	1-216-864-11	SHORT CHIP 0	
D232	8-719-977-28	DIODE UDZSTE-1710B	(EXCEPT AEP, UK, CIS)	JR605	1-216-864-11	SHORT CHIP 0	
D235	8-719-059-21	DIODE RK46LF-T2 (EXCEPT AEP, UK, CIS)		JR606	1-216-864-11	SHORT CHIP 0	
D236	8-719-059-21	DIODE RK46LF-T2 (EXCEPT AEP, UK, CIS)		JR607	1-216-864-11	SHORT CHIP 0	
D239	8-719-069-55	DIODE UDZSTE-175.6B	(EXCEPT AEP, UK, CIS)	JR608	1-216-864-11	SHORT CHIP 0	
D240	8-719-069-55	DIODE UDZSTE-175.6B	(EXCEPT AEP, UK, CIS)	JR611	1-216-296-00	SHORT CHIP 0 (AEP, UK, CIS)	
D241	8-719-988-61	DIODE 1SS355TE-17 (EXCEPT AEP, UK, CIS)		JR612	1-216-864-11	SHORT CHIP 0	
D242	1-216-295-00	SHORT CHIP 0 (EXCEPT AEP, UK, CIS)		JR615	1-216-864-11	SHORT CHIP 0	
D243	8-719-801-78	DIODE 1SS184-TE85L (EXCEPT AEP, UK, CIS)		JR616	1-216-864-11	SHORT CHIP 0	
D244	8-719-820-05	DIODE 1SS181-TE85L (EXCEPT AEP, UK, CIS)		JR618	1-216-864-11	SHORT CHIP 0	
D281	8-719-801-78	DIODE 1SS184-TE85L		JR619	1-216-864-11	SHORT CHIP 0	
D291	8-719-820-05	DIODE 1SS181-TE85L		JR620	1-216-864-11	SHORT CHIP 0	
D292	8-719-801-78	DIODE 1SS184-TE85L		JR621	1-216-864-11	SHORT CHIP 0	
D301	8-719-820-05	DIODE 1SS181-TE85L		JR622	1-216-864-11	SHORT CHIP 0	
D661	8-719-083-60	DIODE UDZSTE-174.7B		JR625	1-216-296-00	SHORT CHIP 0 (AEP, UK, CIS, KR)	
D662	8-719-083-60	DIODE UDZSTE-174.7B		JR651	1-216-296-00	SHORT CHIP 0	
D663	8-719-988-61	DIODE 1SS355TE-17		JR701	1-216-864-11	SHORT CHIP 0	

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR702	1-216-864-11	SHORT CHIP	0	Q231	6-550-293-01	FET	2SK2937
JR801	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK)				(EXCEPT AEP, UK, CIS)
		< DIODE >		Q232	6-550-293-01	FET	2SK2937
JW690	6-500-522-21	DIODE 10EDB40-TB3					(EXCEPT AEP, UK, CIS)
		< COIL >		Q233	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
L201	1-422-009-13	COIL, AIR-CORE					(EXCEPT AEP, UK, CIS)
L202	1-422-009-13	COIL, AIR-CORE		Q234	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
L311	1-424-849-11	COIL, OSCILLATION (BIAS)					(EXCEPT AEP, UK, CIS)
L901	1-410-501-11	INDUCTOR	2.2uH (AEP, UK, CIS, KR)	Q235	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
		< TRANSISTOR >					(EXCEPT AEP, UK, CIS)
Q022	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q281	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
Q023	8-729-201-53	TRANSISTOR	2SA1015TP-GR	Q282	8-729-271-31	TRANSISTOR	2SC2713G-TE85L
Q024	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q291	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q041	8-729-201-53	TRANSISTOR	2SA1015TP-GR	Q292	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
			(EXCEPT AEP, UK, CIS)	Q301	6-550-290-01	FET	2SJ460
Q043	8-729-201-53	TRANSISTOR	2SA1015TP-GR	Q302	6-550-290-01	FET	2SJ460
Q045	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q303	8-729-048-99	FET	2SK2541-T
Q046	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q304	8-729-048-99	FET	2SK2541-T
Q047	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q305	6-550-290-01	FET	2SJ460
Q063	8-729-600-22	TRANSISTOR	2SA1235TP-1EF	Q306	6-550-290-01	FET	2SJ460
Q064	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q307	8-729-048-99	FET	2SK2541-T
Q101	8-729-600-22	TRANSISTOR	2SA1235TP-1EF	Q308	8-729-048-99	FET	2SK2541-T
Q102	8-729-600-22	TRANSISTOR	2SA1235TP-1EF	Q309	8-729-048-99	FET	2SK2541-T
Q103	8-729-600-22	TRANSISTOR	2SA1235TP-1EF	Q310	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2
Q104	8-729-600-22	TRANSISTOR	2SA1235TP-1EF	Q311	8-729-201-53	TRANSISTOR	2SA1015TP-GR
Q105	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q312	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q106	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q601	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q107	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q641	8-729-045-62	FET	2SK2158-T2B
Q108	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q642	8-729-045-62	FET	2SK2158-T2B
Q109	8-729-271-31	TRANSISTOR	2SC2713G-TE85L	Q643	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
			(EXCEPT AEP, UK, CIS)	Q671	8-729-045-62	FET	2SK2158-T2B
Q110	8-729-271-31	TRANSISTOR	2SC2713G-TE85L	Q672	8-729-045-62	FET	2SK2158-T2B
			(EXCEPT AEP, UK, CIS)	Q673	8-729-045-62	FET	2SK2158-T2B
Q111	8-729-823-99	TRANSISTOR	2SC2909-AA	Q674	8-729-045-62	FET	2SK2158-T2B
Q112	8-729-823-99	TRANSISTOR	2SC2909-AA	Q675	8-729-045-62	FET	2SK2158-T2B
Q117	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q676	8-729-045-62	FET	2SK2158-T2B
Q118	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	Q677	8-729-045-62	FET	2SK2158-T2B
Q119	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF			< RESISTOR >	
Q120	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	R001	1-216-136-00	RES-CHIP	2.7 5% 1/8W
Q121	6-550-294-01	TRANSISTOR	2SB1342 (AEP, UK, CIS)				(KR)
Q121	6-550-331-01	TRANSISTOR	2SB1677	R001	1-216-138-00	METAL CHIP	3.3 5% 1/8W
			(EXCEPT AEP, UK, CIS)				(EXCEPT AEP, UK, CIS, KR)
Q122	6-550-294-01	TRANSISTOR	2SB1342 (AEP, UK, CIS)	R001	1-219-397-11	RES-CHIP	1.8 5% 1/8W
Q122	6-550-331-01	TRANSISTOR	2SB1677				(AEP, UK, CIS)
			(EXCEPT AEP, UK, CIS)	R002	1-219-397-11	RES-CHIP	1.8 5% 1/8W
Q123	6-550-295-01	TRANSISTOR	2SD1933 (AEP, UK, CIS)				(AEP, UK, CIS)
Q123	6-550-332-01	TRANSISTOR	2SD2619	R004	1-216-136-00	RES-CHIP	2.7 5% 1/8W
			(EXCEPT AEP, UK, CIS)				(KR)
Q124	6-550-295-01	TRANSISTOR	2SD1933 (AEP, UK, CIS)	R004	1-216-138-00	METAL CHIP	3.3 5% 1/8W
Q124	6-550-332-01	TRANSISTOR	2SD2619				(EXCEPT AEP, UK, CIS, KR)
			(EXCEPT AEP, UK, CIS)	R004	1-219-397-11	RES-CHIP	1.8 5% 1/8W
Q129	8-729-216-31	TRANSISTOR	2SA1163G-TE85L				(AEP, UK, CIS)
Q130	8-729-216-31	TRANSISTOR	2SA1163G-TE85L	R005	1-216-136-00	RES-CHIP	2.7 5% 1/8W
Q181	8-729-052-79	TRANSISTOR	2SD1306NETL				(KR)
Q182	8-729-052-79	TRANSISTOR	2SD1306NETL	R005	1-216-138-00	METAL CHIP	3.3 5% 1/8W
Q183	8-729-600-22	TRANSISTOR	2SA1235TP-1EF				(EXCEPT AEP, UK, CIS, KR)
				R005	1-219-397-11	RES-CHIP	1.8 5% 1/8W
							(AEP, UK, CIS)

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R007	1-219-397-11	RES-CHIP	1.8	5%	1/8W (AEP, UK, CIS)	R051	1-216-097-11	RES-CHIP	100K	5%	1/10W
R008	1-216-136-00	RES-CHIP	2.7	5%	1/8W (KR)	R067	1-216-843-11	METAL CHIP	68K	5%	1/10W (EXCEPT AEP, UK, CIS)
R008	1-216-138-00	METAL CHIP	3.3	5%	1/8W (EXCEPT AEP, UK, CIS, KR)	R068	1-216-843-11	METAL CHIP	68K	5%	1/10W (EXCEPT AEP, UK, CIS)
R008	1-219-397-11	RES-CHIP	1.8	5%	1/8W (AEP, UK, CIS)	R069	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK, CIS)
R009	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R070	1-216-838-11	METAL CHIP	27K	5%	1/10W
R010	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R071	1-216-838-11	METAL CHIP	27K	5%	1/10W
R011	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R072	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R012	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R073	1-216-838-11	METAL CHIP	27K	5%	1/10W
R013	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R074	1-216-838-11	METAL CHIP	27K	5%	1/10W
R014	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R075	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R015	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R076	1-216-821-11	METAL CHIP	1K	5%	1/10W
R016	1-216-228-00	RES-CHIP	18K	5%	1/8W (EXCEPT AEP, UK, CIS)	R077	1-216-821-11	METAL CHIP	1K	5%	1/10W
△ R017	1-219-121-11	FUSIBLE	0.22	5%	1/4W (AEP, UK, CIS)	R078	1-216-834-11	METAL CHIP	12K	5%	1/10W (EXCEPT AEP, UK, CIS)
△ R017	1-219-122-91	FUSIBLE	0.33	5%	1/4W (EXCEPT AEP, UK, CIS)	R078	1-216-864-11	SHORT CHIP	0	(AEP, UK, CIS)	
R024	1-216-184-00	RES-CHIP	270	5%	1/8W	R079	1-216-834-11	METAL CHIP	12K	5%	1/10W (EXCEPT AEP, UK, CIS)
R025	1-216-184-00	RES-CHIP	270	5%	1/8W	R079	1-216-864-11	SHORT CHIP	0	(AEP, UK, CIS)	
R026	1-216-188-00	RES-CHIP	390	5%	1/8W	R080	1-216-845-11	METAL CHIP	100K	5%	1/10W
R027	1-216-188-00	RES-CHIP	390	5%	1/8W	R082	1-216-839-11	METAL CHIP	33K	5%	1/10W (EXCEPT AEP, UK, CIS)
R028	1-216-186-00	RES-CHIP	330	5%	1/8W (EXCEPT AEP, UK, CIS)	R083	1-216-839-11	METAL CHIP	33K	5%	1/10W (EXCEPT AEP, UK, CIS)
R028	1-216-188-00	RES-CHIP	390	5%	1/8W (AEP, UK, CIS)	R084	1-216-842-11	METAL CHIP	56K	5%	1/10W (EXCEPT AEP, UK, CIS)
R029	1-216-188-00	RES-CHIP	390	5%	1/8W	R085	1-216-842-11	METAL CHIP	56K	5%	1/10W (EXCEPT AEP, UK, CIS)
R030	1-216-188-00	RES-CHIP	390	5%	1/8W	R086	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK, CIS)
R031	1-216-833-11	METAL CHIP	10K	5%	1/10W	R087	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK, CIS)
R032	1-216-841-11	METAL CHIP	47K	5%	1/10W	R092	1-216-809-11	METAL CHIP	100	5%	1/10W
R033	1-216-843-11	METAL CHIP	68K	5%	1/10W	R093	1-216-835-11	METAL CHIP	15K	5%	1/10W
R035	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R036	1-216-836-11	METAL CHIP	18K	5%	1/10W	R095	1-216-835-11	METAL CHIP	15K	5%	1/10W
R037	1-216-296-00	SHORT CHIP	0	(AEP, UK, CIS)	R096	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R038	1-216-296-00	SHORT CHIP	0		R097	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R041	1-216-845-11	METAL CHIP	100K	5%	1/10W	R105	1-216-835-11	METAL CHIP	15K	5%	1/10W
R042	1-216-845-11	METAL CHIP	100K	5%	1/10W	R106	1-216-835-11	METAL CHIP	15K	5%	1/10W
R043	1-216-845-11	METAL CHIP	100K	5%	1/10W	R107	1-216-837-11	METAL CHIP	22K	5%	1/10W (AEP, UK, CIS)
R045	1-216-178-00	RES-CHIP	150	5%	1/8W (E, E51, EA, SP, TW)	R107	1-216-838-11	METAL CHIP	27K	5%	1/10W (EXCEPT AEP, UK, CIS)
R045	1-216-186-00	RES-CHIP	330	5%	1/8W (KR)	R108	1-216-837-11	METAL CHIP	22K	5%	1/10W (AEP, UK, CIS)
R045	1-216-296-00	SHORT CHIP	0	(AEP, UK, CIS, AUS)	R108	1-216-838-11	METAL CHIP	27K	5%	1/10W (EXCEPT AEP, UK, CIS)	
R046	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R109	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)	R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R047	1-216-295-00	SHORT CHIP	0	(AEP, UK, CIS)	R113	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	
R048	1-216-295-00	SHORT CHIP	0		R114	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	
R049	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R115	1-216-081-00	METAL CHIP	22K	5%	1/10W (AEP, UK, CIS)
R050	1-216-001-00	METAL CHIP	10	5%	1/10W	R115	1-216-083-00	METAL CHIP	27K	5%	1/10W (EXCEPT AEP, UK, CIS)
						R116	1-216-081-00	METAL CHIP	22K	5%	1/10W (AEP, UK, CIS)

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

Ref. No.	Part No.	Description	Remark		
R116	1-216-083-00	METAL CHIP	27K	5%	1/10W (EXCEPT AEP, UK, CIS)
R117	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R118	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R119	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R120	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R121	1-216-198-00	RES-CHIP	1K	5%	1/8W
R122	1-216-198-00	RES-CHIP	1K	5%	1/8W
R123	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R124	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R125	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R126	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R127	1-216-809-11	METAL CHIP	100	5%	1/10W
R128	1-216-809-11	METAL CHIP	100	5%	1/10W
R129	1-216-809-11	METAL CHIP	100	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R132	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R133	1-216-824-11	METAL CHIP	1.8K	5%	1/10W (EXCEPT AEP, UK, CIS)
R133	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (AEP, UK, CIS)
R134	1-216-824-11	METAL CHIP	1.8K	5%	1/10W (EXCEPT AEP, UK, CIS)
R134	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (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 (EXCEPT AEP, UK, CIS)
R139	1-216-864-11	SHORT CHIP	0	(AEP, UK, CIS)	
R140	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, CIS)
R140	1-216-864-11	SHORT CHIP	0	(AEP, UK, CIS)	
R141	1-216-821-11	METAL CHIP	1K	5%	1/10W (EXCEPT AEP, UK, CIS)
R141	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, CIS)
R142	1-216-821-11	METAL CHIP	1K	5%	1/10W (EXCEPT AEP, UK, CIS)
R142	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, CIS)
R143	1-216-802-11	METAL CHIP	27	5%	1/10W (AEP, UK, CIS)
R143	1-216-804-11	METAL CHIP	39	5%	1/10W (EXCEPT AEP, UK, CIS)
R144	1-216-802-11	METAL CHIP	27	5%	1/10W (AEP, UK, CIS)
R144	1-216-804-11	METAL CHIP	39	5%	1/10W (EXCEPT AEP, UK, CIS)
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	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (EXCEPT AEP, UK, CIS)
R153	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK, CIS)

Ref. No.	Part No.	Description	Remark		
R154	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (EXCEPT AEP, UK, CIS)
R154	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK, CIS)
R155	1-216-822-11	METAL CHIP	1.2K	5%	1/10W (AEP, UK, CIS)
R155	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK, CIS)
R156	1-216-822-11	METAL CHIP	1.2K	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	1-218-867-11	METAL CHIP	6.8K	5%	1/10W (EXCEPT AEP, UK, CIS)
R162	1-218-867-11	METAL CHIP	6.8K	5%	1/10W (EXCEPT AEP, UK, CIS)
R163	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK, CIS)
R164	1-216-830-11	METAL CHIP	5.6K	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	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (EXCEPT AEP, UK, CIS)
R183	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (AEP, UK, CIS)
R184	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (EXCEPT AEP, UK, CIS)
R184	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (AEP, UK, CIS)
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
R236	1-216-861-11	METAL CHIP	2.2M	5%	1/10W (EXCEPT AEP, UK, CIS)
R237	1-216-049-11	RES-CHIP	1K	5%	1/10W (EXCEPT AEP, UK, CIS)
R238	1-216-206-00	RES-CHIP	2.2K	5%	1/8W (EXCEPT AEP, UK, CIS)
R239	1-216-206-00	RES-CHIP	2.2K	5%	1/8W (EXCEPT AEP, UK, CIS)
R241	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (EXCEPT AEP, UK, CIS)
R242	1-216-073-00	RES-CHIP	10K	5%	1/10W (EXCEPT AEP, UK, CIS)
R243	1-216-049-11	RES-CHIP	1K	5%	1/10W (EXCEPT AEP, UK, CIS)
R244	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK, CIS)
R246	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK, CIS)
R248	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK, CIS)
R249	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK, CIS)

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Replace only with part number specified.

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R250	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK, CIS)	R606	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
						R607	1-216-845-11	METAL CHIP	100K	5%	1/10W
R252	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK, CIS)	R608	1-216-845-11	METAL CHIP	100K	5%	1/10W
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK, CIS)	R609	1-216-836-11	METAL CHIP	18K	5%	1/10W
R257	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, CIS)	R610	1-216-836-11	METAL CHIP	18K	5%	1/10W
R258	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, CIS)	R611	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R259	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, CIS)	R612	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R260	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK, CIS)	R615	1-216-835-11	METAL CHIP	15K	5%	1/10W
R261	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK, CIS)	R616	1-216-835-11	METAL CHIP	15K	5%	1/10W
R262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK, CIS)	R617	1-216-835-11	METAL CHIP	15K	5%	1/10W
R263	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK, CIS)	R618	1-216-835-11	METAL CHIP	15K	5%	1/10W
R264	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK, CIS)	R619	1-216-838-11	METAL CHIP	27K	5%	1/10W
R280	1-216-073-00	RES-CHIP	10K	5%	1/10W	R620	1-216-838-11	METAL CHIP	27K	5%	1/10W
R281	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R621	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R282	1-216-834-11	METAL CHIP	12K	5%	1/10W	R622	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R283	1-216-833-11	METAL CHIP	10K	5%	1/10W	R623	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R284	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R624	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R290	1-216-841-11	METAL CHIP	47K	5%	1/10W	R625	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R291	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R625	1-216-828-11	METAL CHIP	3.9K	5%	1/10W (EXCEPT AEP, UK)
R292	1-216-833-11	METAL CHIP	10K	5%	1/10W	R626	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (EXCEPT AEP, UK)
R293	1-216-843-11	METAL CHIP	68K	5%	1/10W (EXCEPT AEP, UK, CIS)	R626	1-216-828-11	METAL CHIP	3.9K	5%	1/10W (AEP, UK)
R293	1-216-849-11	METAL CHIP	220K	5%	1/10W (AEP, UK, CIS)	R627	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R294	1-216-843-11	METAL CHIP	68K	5%	1/10W (EXCEPT AEP, UK, CIS)	R628	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R294	1-216-849-11	METAL CHIP	220K	5%	1/10W (AEP, UK, CIS)	R629	1-216-833-11	METAL CHIP	10K	5%	1/10W
R295	1-216-837-11	METAL CHIP	22K	5%	1/10W (AEP, UK, CIS)	R630	1-216-833-11	METAL CHIP	10K	5%	1/10W
R296	1-216-841-11	METAL CHIP	47K	5%	1/10W	R631	1-216-817-11	METAL CHIP	470	5%	1/10W
R297	1-216-841-11	METAL CHIP	47K	5%	1/10W	R632	1-216-817-11	METAL CHIP	470	5%	1/10W
R301	1-216-840-11	METAL CHIP	39K	5%	1/10W	R633	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R302	1-216-840-11	METAL CHIP	39K	5%	1/10W	R634	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R303	1-216-844-11	METAL CHIP	82K	5%	1/10W	R635	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R304	1-216-844-11	METAL CHIP	82K	5%	1/10W	R636	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R305	1-216-849-11	METAL CHIP	220K	5%	1/10W	R637	1-216-815-11	METAL CHIP	330	5%	1/10W
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W	R638	1-216-815-11	METAL CHIP	330	5%	1/10W
R312	1-216-833-11	METAL CHIP	10K	5%	1/10W	R643	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R313	1-216-838-11	METAL CHIP	27K	5%	1/10W	R644	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R314	1-216-797-11	METAL CHIP	10	5%	1/10W	R645	1-216-850-11	METAL CHIP	270K	5%	1/10W
R315	1-216-804-11	METAL CHIP	39	5%	1/10W	R646	1-216-850-11	METAL CHIP	270K	5%	1/10W
R316	1-216-833-11	METAL CHIP	10K	5%	1/10W	R647	1-216-850-11	METAL CHIP	270K	5%	1/10W
R317	1-216-821-11	METAL CHIP	1K	5%	1/10W	R648	1-216-852-11	METAL CHIP	390K	5%	1/10W
R318	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R649	1-216-852-11	METAL CHIP	390K	5%	1/10W
R601	1-216-809-11	METAL CHIP	100	5%	1/10W	R651	1-216-809-11	METAL CHIP	100	5%	1/10W
R602	1-216-809-11	METAL CHIP	100	5%	1/10W	R652	1-216-809-11	METAL CHIP	100	5%	1/10W
R603	1-216-852-11	METAL CHIP	390K	5%	1/10W	R653	1-216-837-11	METAL CHIP	22K	5%	1/10W
R604	1-216-852-11	METAL CHIP	390K	5%	1/10W	R654	1-216-837-11	METAL CHIP	22K	5%	1/10W
R605	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R655	1-216-837-11	METAL CHIP	22K	5%	1/10W
						R656	1-216-837-11	METAL CHIP	22K	5%	1/10W
						R657	1-216-842-11	METAL CHIP	56K	5%	1/10W (EXCEPT AEP, UK, CIS)
						R658	1-216-837-11	METAL CHIP	22K	5%	1/10W
						R659	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
						R661	1-216-835-11	METAL CHIP	15K	5%	1/10W
						R662	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R663	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R664	1-218-867-11	METAL CHIP	6.8K	5%	1/10W

MAIN

MOTOR (LD)

MOTOR (TB)

PANEL

Ref. No.	Part No.	Description	Remark		
R665	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R666	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R667	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R670	1-216-833-11	METAL CHIP	10K	5%	1/10W
R671	1-216-842-11	METAL CHIP	56K	5%	1/10W
R672	1-216-833-11	METAL CHIP	10K	5%	1/10W
R673	1-216-821-11	METAL CHIP	1K	5%	1/10W
R674	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R675	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R676	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R677	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R678	1-216-817-11	METAL CHIP	470	5%	1/10W
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
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)

Ref. No.	Part No.	Description	Remark		
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)		
< THERMISTOR >					
TH101	1-803-790-21	THERMISTOR			
TH102	1-803-790-21	THERMISTOR			
< CONNECTOR >					
WH011	1-817-362-11	HOLDER, WIRE 7P (AEP, UK, CIS)			
WH013	1-817-363-11	HOLDER, WIRE 11P (EXCEPT AEP, UK, CIS)			
WH201	1-816-818-11	HLDR, WIRE 2.5-5P			

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

1-687-134-11 MOTOR (TB) BOARD					

< CONNECTOR >					
CN742	1-784-727-11	CONNECTOR, FFC 5P			

A-4733-011-A PANEL BOARD, COMPLETE (E51)					
A-4747-710-A PANEL BOARD, COMPLETE (CIS)					
A-4747-721-A PANEL BOARD, COMPLETE					
(E, SP, TW, KR, AUS)					
A-4747-799-A PANEL BOARD, COMPLETE (EA)					
A-4748-177-A PANEL BOARD, COMPLETE (AEP, UK)					

< CAPACITOR/SHORT >					
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 AEP, UK, CIS)					
C414	1-164-156-11	CERAMIC CHIP	0.1uF		25V
(EXCEPT AEP, UK, CIS)					
C415	1-164-156-11	CERAMIC CHIP	0.1uF		25V
(EXCEPT 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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C906	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	< IC >			
C907	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	IC201	6-704-046-01	IC BU2099FV	
C908	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	IC501	6-704-135-01	IC MM1614A	
C909	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	IC502	8-759-533-04	IC M62703ML-E1	
C910	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	IC801	6-600-213-01	IC GP1UE271XK	
C911	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	IC901	6-803-019-01	IC LC876772B-51E9	
C912	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	< SHORT >			
C914	1-126-947-11	ELECT 47uF 20%	35V	JR102	1-216-296-00	SHORT CHIP 0	
C915	1-131-992-11	CERAMIC CHIP 0.1uF	35V	JR204	1-216-864-11	SHORT CHIP 0	
C916	1-126-163-11	ELECT 4.7uF 20%	50V	JR205	1-216-864-11	SHORT CHIP 0	
C917	1-126-163-11	ELECT 4.7uF 20%	50V	JR213	1-216-864-11	SHORT CHIP 0	
C918	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR218	1-216-864-11	SHORT CHIP 0	
C919	1-162-918-11	CERAMIC CHIP 18PF 5%	50V	JR219	1-216-864-11	SHORT CHIP 0	
C920	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	JR220	1-216-864-11	SHORT CHIP 0	
C921	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR401	1-216-864-11	SHORT CHIP 0	
C922	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	JR402	1-216-864-11	SHORT CHIP 0	
C923	1-162-919-11	CERAMIC CHIP 22PF 5%	50V	JR601	1-216-296-00	SHORT CHIP 0	
C924	1-216-864-11	SHORT CHIP 0		JR602	1-216-864-11	SHORT CHIP 0	
C926	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR903	1-216-864-11	SHORT CHIP 0	
C927	1-164-156-11	CERAMIC CHIP 0.1uF	25V	JR905	1-216-864-11	SHORT CHIP 0	
C933	1-164-173-11	CERAMIC CHIP 0.0039uF 10%	50V	JR909	1-216-296-00	SHORT CHIP 0	
C935	1-128-057-11	ELECT 330uF 20%	6.3V	JR910	1-216-864-11	SHORT CHIP 0	
C999	1-126-934-11	ELECT 220uF 20%	16V	JR911	1-216-864-11	SHORT CHIP 0	
< CONNECTOR >				JR912	1-216-864-11	SHORT CHIP 0	
CN101	1-793-767-11	CONNECTOR, BOARD TO BOARD 30P		JR913	1-216-864-11	SHORT CHIP 0	
CN403	1-784-784-11	CONNECTOR, FFC 23P		< TRANSISTOR >			
CN601	1-784-774-11	CONNECTOR, FFC 13P		Q601	8-729-116-57	TRANSISTOR 2SB1068TP-K	
CN701	1-568-830-11	CONNECTOR, FFC 11P		Q602	8-729-140-04	TRANSISTOR 2SB1116-TP-LK	
< DIODE >				Q603	8-729-140-04	TRANSISTOR 2SB1116-TP-LK	
D101	8-719-991-33	DIODE 1SS133T-72		Q604	8-729-900-80	TRANSISTOR RN1202TPE4	
D402	8-719-991-33	DIODE 1SS133T-72 (EXCEPT AEP, UK, CIS)		Q605	8-729-900-80	TRANSISTOR RN1202TPE4	
D501	8-719-991-33	DIODE 1SS133T-72		Q606	8-729-900-80	TRANSISTOR RN1202TPE4	
D502	8-719-991-33	DIODE 1SS133T-72		Q607	8-729-027-23	TRANSISTOR DTA114EKA-T146	
D503	8-719-991-33	DIODE 1SS133T-72		Q901	8-729-120-28	TRANSISTOR 2SC3052EF-T1-LEF	
D504	8-719-991-33	DIODE 1SS133T-72		< RESISTOR >			
D505	8-719-991-33	DIODE 1SS133T-72		R101	1-249-433-11	CARBON 22K 5% 1/4W	(AEP, UK)
D506	8-719-991-33	DIODE 1SS133T-72		R102	1-249-436-11	CARBON 39K 5% 1/4W	(AEP, UK)
D507	8-719-921-80	DIODE MTZJ-T-72-11B		R103	1-249-436-11	CARBON 39K 5% 1/4W	(AEP, UK)
D508	8-719-991-33	DIODE 1SS133T-72		R104	1-249-417-11	CARBON 1K 5% 1/4W	
D601	8-719-991-33	DIODE 1SS133T-72		R105	1-249-417-11	CARBON 1K 5% 1/4W	
D602	8-719-991-33	DIODE 1SS133T-72		R106	1-249-417-11	CARBON 1K 5% 1/4W	
D607	8-719-991-33	DIODE 1SS133T-72 (E51)		R107	1-249-417-11	CARBON 1K 5% 1/4W	
D608	8-719-991-33	DIODE 1SS133T-72 (EXCEPT AEP, UK, CIS)		R108	1-249-417-11	CARBON 1K 5% 1/4W	
D610	8-719-991-33	DIODE 1SS133T-72 (CIS)		R109	1-249-417-11	CARBON 1K 5% 1/4W	
D614	8-719-991-33	DIODE 1SS133T-72 (AEP, UK)		R110	1-249-417-11	CARBON 1K 5% 1/4W	
D620	8-719-820-05	DIODE 1SS181-TE85L		R111	1-249-417-11	CARBON 1K 5% 1/4W	
D621	8-719-820-05	DIODE 1SS181-TE85L		R112	1-249-417-11	CARBON 1K 5% 1/4W	
D622	8-719-820-05	DIODE 1SS181-TE85L		R113	1-249-417-11	CARBON 1K 5% 1/4W	
D623	8-719-820-05	DIODE 1SS181-TE85L		R114	1-249-417-11	CARBON 1K 5% 1/4W	
D624	8-719-820-05	DIODE 1SS181-TE85L		R118	1-249-393-11	CARBON 10 5% 1/4W	
D625	8-719-820-05	DIODE 1SS181-TE85L		R119	1-249-417-11	CARBON 1K 5% 1/4W	
D626	8-719-820-05	DIODE 1SS181-TE85L		< FLUORESCENT INDICATOR TUBE >			
D627	8-719-820-05	DIODE 1SS181-TE85L		FL902	1-518-895-11	INDICATOR TUBE, FLUORESCENT	

PANEL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R121	1-249-417-11	CARBON	1K	5%	1/4W	R703	1-216-809-11	METAL CHIP	100	5%	1/10W
R122	1-249-417-11	CARBON	1K	5%	1/4W	R704	1-216-809-11	METAL CHIP	100	5%	1/10W
R225	1-247-807-31	CARBON	100	5%	1/4W	R705	1-216-809-11	METAL CHIP	100	5%	1/10W
R226	1-249-429-11	CARBON	10K	5%	1/4W	R706	1-216-809-11	METAL CHIP	100	5%	1/10W
						R707	1-216-809-11	METAL CHIP	100	5%	1/10W
R227	1-249-429-11	CARBON	10K	5%	1/4W						
R228	1-249-429-11	CARBON	10K	5%	1/4W	R708	1-216-809-11	METAL CHIP	100	5%	1/10W
R247	1-216-834-11	METAL CHIP	12K	5%	1/10W	R709	1-247-807-31	CARBON	100	5%	1/4W
R248	1-216-845-11	METAL CHIP	100K	5%	1/10W	R817	1-249-401-11	CARBON	47	5%	1/4W
R249	1-216-838-11	METAL CHIP	27K	5%	1/10W	R818	1-249-438-11	CARBON	56K	5%	1/4W
					R902	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R254	1-216-849-11	METAL CHIP	220K	5%	1/10W						
R261	1-216-833-11	METAL CHIP	10K	5%	1/10W	R903	1-216-841-11	METAL CHIP	47K	5%	1/10W
R262	1-216-833-11	METAL CHIP	10K	5%	1/10W	R904	1-216-841-11	METAL CHIP	47K	5%	1/10W
R263	1-216-833-11	METAL CHIP	10K	5%	1/10W	R905	1-216-841-11	METAL CHIP	47K	5%	1/10W
R264	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R906	1-216-841-11	METAL CHIP	47K	5%	1/10W
					R907	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R334	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R335	1-216-833-11	METAL CHIP	10K	5%	1/10W	R908	1-216-841-11	METAL CHIP	47K	5%	1/10W
R336	1-216-833-11	METAL CHIP	10K	5%	1/10W	R909	1-216-841-11	METAL CHIP	47K	5%	1/10W
R415	1-216-809-11	METAL CHIP	100	5%	1/10W	R910	1-216-841-11	METAL CHIP	47K	5%	1/10W
				(EXCEPT AEP, UK, CIS)		R911	1-216-841-11	METAL CHIP	47K	5%	1/10W
R416	1-216-850-11	METAL CHIP	270K	5%	1/10W	R912	1-216-841-11	METAL CHIP	47K	5%	1/10W
				(EXCEPT AEP, UK, CIS)							
R417	1-216-835-11	METAL CHIP	15K	5%	1/10W	R913	1-216-845-11	METAL CHIP	100K	5%	1/10W
				(EXCEPT AEP, UK, CIS)		R914	1-216-845-11	METAL CHIP	100K	5%	1/10W
R418	1-216-853-11	METAL CHIP	470K	5%	1/10W	R915	1-216-845-11	METAL CHIP	100K	5%	1/10W
				(EXCEPT AEP, UK, CIS)		R916	1-216-845-11	METAL CHIP	100K	5%	1/10W
R419	1-216-821-11	METAL CHIP	1K	5%	1/10W	R917	1-216-845-11	METAL CHIP	100K	5%	1/10W
				(EXCEPT AEP, UK, CIS)							
R501	1-249-408-11	CARBON	180	5%	1/4W	R918	1-216-845-11	METAL CHIP	100K	5%	1/10W
R502	1-216-841-11	METAL CHIP	47K	5%	1/10W	R919	1-216-845-11	METAL CHIP	100K	5%	1/10W
					R920	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R503	1-216-841-11	METAL CHIP	47K	5%	1/10W	R921	1-216-845-11	METAL CHIP	100K	5%	1/10W
R504	1-249-429-11	CARBON	10K	5%	1/4W	R922	1-216-845-11	METAL CHIP	100K	5%	1/10W
R505	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R506	1-216-815-11	METAL CHIP	330	5%	1/10W	R923	1-216-845-11	METAL CHIP	100K	5%	1/10W
R507	1-216-833-11	METAL CHIP	10K	5%	1/10W	R924	1-216-845-11	METAL CHIP	100K	5%	1/10W
					R925	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R601	1-216-809-11	METAL CHIP	100	5%	1/10W	R926	1-216-845-11	METAL CHIP	100K	5%	1/10W
R607	1-216-821-11	METAL CHIP	1K	5%	1/10W	R927	1-216-845-11	METAL CHIP	100K	5%	1/10W
R608	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R609	1-216-821-11	METAL CHIP	1K	5%	1/10W	R928	1-216-845-11	METAL CHIP	100K	5%	1/10W
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W	R929	1-216-845-11	METAL CHIP	100K	5%	1/10W
					R930	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R611	1-216-821-11	METAL CHIP	1K	5%	1/10W	R931	1-216-845-11	METAL CHIP	100K	5%	1/10W
R612	1-216-821-11	METAL CHIP	1K	5%	1/10W	R932	1-216-845-11	METAL CHIP	100K	5%	1/10W
R625	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R626	1-216-841-11	METAL CHIP	47K	5%	1/10W	R933	1-216-845-11	METAL CHIP	100K	5%	1/10W
R627	1-216-841-11	METAL CHIP	47K	5%	1/10W	R934	1-216-845-11	METAL CHIP	100K	5%	1/10W
					R935	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R628	1-216-841-11	METAL CHIP	47K	5%	1/10W	R936	1-216-845-11	METAL CHIP	100K	5%	1/10W
R629	1-216-841-11	METAL CHIP	47K	5%	1/10W	R937	1-216-845-11	METAL CHIP	100K	5%	1/10W
R630	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R631	1-216-841-11	METAL CHIP	47K	5%	1/10W	R938	1-216-845-11	METAL CHIP	100K	5%	1/10W
R637	1-216-841-11	METAL CHIP	47K	5%	1/10W	R939	1-216-845-11	METAL CHIP	100K	5%	1/10W
					R940	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R638	1-249-417-11	CARBON	1K	5%	1/4W	R941	1-216-845-11	METAL CHIP	100K	5%	1/10W
R639	1-249-417-11	CARBON	1K	5%	1/4W	R942	1-249-420-11	CARBON	1.8K	5%	1/4W
R640	1-249-417-11	CARBON	1K	5%	1/4W						
R641	1-249-417-11	CARBON	1K	5%	1/4W	R943	1-249-420-11	CARBON	1.8K	5%	1/4W
R642	1-249-417-11	CARBON	1K	5%	1/4W	R944	1-249-427-11	CARBON	6.8K	5%	1/4W
					R945	1-249-427-11	CARBON	6.8K	5%	1/4W	
R643	1-249-417-11	CARBON	1K	5%	1/4W	R946	1-216-845-11	METAL CHIP	100K	5%	1/10W
R644	1-249-421-11	CARBON	2.2K	5%	1/4W	R947	1-216-845-11	METAL CHIP	100K	5%	1/10W
R645	1-249-421-11	CARBON	2.2K	5%	1/4W						
R701	1-216-809-11	METAL CHIP	100	5%	1/10W	R948	1-216-845-11	METAL CHIP	100K	5%	1/10W
R702	1-247-807-31	CARBON	100	5%	1/4W	R949	1-216-845-11	METAL CHIP	100K	5%	1/10W

PANEL

PT

SENSOR

SW

Ref. No.	Part No.	Description	Remark
R950	1-216-845-11	METAL CHIP 100K 5%	1/10W
R953	1-249-441-11	CARBON 100K 5%	1/4W
R954	1-216-828-11	METAL CHIP 3.9K 5%	1/10W
R957	1-249-441-11	CARBON 100K 5%	1/4W
R958	1-219-570-11	METAL CHIP 10M 5%	1/10W
R959	1-216-853-11	METAL CHIP 470K 5%	1/10W
R960	1-216-809-11	METAL CHIP 100 5%	1/10W
R961	1-216-821-11	METAL CHIP 1K 5%	1/10W
R962	1-216-821-11	METAL CHIP 1K 5%	1/10W
R963	1-216-821-11	METAL CHIP 1K 5%	1/10W
R964	1-216-845-11	METAL CHIP 100K 5%	1/10W
R965	1-216-845-11	METAL CHIP 100K 5%	1/10W
R966	1-216-845-11	METAL CHIP 100K 5%	1/10W
R967	1-216-845-11	METAL CHIP 100K 5%	1/10W
R968	1-216-845-11	METAL CHIP 100K 5%	1/10W
R969	1-216-845-11	METAL CHIP 100K 5%	1/10W
R970	1-216-845-11	METAL CHIP 100K 5%	1/10W
R971	1-249-441-11	CARBON 100K 5%	1/4W
R972	1-249-439-11	CARBON 68K 5%	1/4W (AEP, UK)
R972	1-249-441-11	CARBON 100K 5%	1/4W (EXCEPT AEP, UK)
R973	1-216-843-11	METAL CHIP 68K 5%	1/10W (AEP, UK)
R973	1-216-845-11	METAL CHIP 100K 5%	1/10W (EXCEPT AEP, UK)
R974	1-249-441-11	CARBON 100K 5%	1/4W
R975	1-249-441-11	CARBON 100K 5%	1/4W
R976	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
< VIBRATOR >			
X901	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)	
X902	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)	

	1-688-399-12	PT BOARD (AEP, UK, CIS, KR, AUS)	
	1-688-763-11	PT BOARD (E, E51, EA, SP, TW)	

< CAPACITOR >			
C003	1-162-974-11	CERAMIC CHIP 0.01uF 50V	(E, E51, EA, SP, TW)
C091	1-165-621-11	CERAMIC CHIP 0.1uF 50V	(AEP, UK, CIS)
< CONNECTOR >			
* CN090	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	(E, E51, EA, SP, TW)
* CN091	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	(AEP, UK, CIS, KR, AUS)
CN093	1-817-542-11	CONNECTOR 11P (E, E51, EA, SP, TW)	
< DIODE >			
D002	8-719-820-05	DIODE 1SS181-TE85L (E, E51, EA, SP, TW)	
D003	8-719-801-78	DIODE 1SS184-TE85L (E, E51, EA, SP, TW)	
D091	8-719-820-05	DIODE 1SS181-TE85L	(AEP, UK, CIS, KR, AUS)
D092	8-719-801-78	DIODE 1SS184-TE85L	(AEP, UK, CIS, KR, AUS)

Ref. No.	Part No.	Description	Remark
< TRANSFORMER >			
△ PT002	1-439-976-11	TRANSFORMER, POWER (E, E51, SP, TW)	
△ PT002	1-439-977-11	TRANSFORMER, POWER (STAND-BY) (EA)	
△ PT011	1-439-735-11	TRANSFORMER, POWER (AEP, UK, CIS)	
△ PT011	1-439-944-11	TRANSFORMER, POWER (KR)	
△ PT011	1-439-976-11	TRANSFORMER, POWER (AUS)	
< RELAY >			
△ RY001	1-755-276-11	RELAY, POWER	
< SWITCH >			
△ S001	1-786-404-11	SW, SL 1-2-2 SWS2201 (VOLTAGE SELECTOR) (E, E51, EA, SP, TW)	
< CONNECTOR >			
WH091	1-817-362-11	HOLDER, WIRE 7P (AEP, UK, CIS)	
WH093	1-817-363-11	HOLDER, WIRE 11P (KR, AUS)	

	1-687-132-11	SENSOR BOARD	*****
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P	
< IC >			
IC731	6-600-022-01	IC RPI-576	

	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)	
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 (FM/AM) (E, E51, EA, SP, TW, AUS)	
254	1-693-616-11	TUNER (FM/AM) (AEP, UK)	
254	1-693-617-11	TUNER (FM/AM) (KR)	
254	1-693-618-11	TUNER (FM/AM) (CIS)	
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	1-773-131-11	WIRE (FLAT TYPE) (19 CORE)	
△ 259	1-696-845-11	CORD, POWER (AUS)	
△ 259	1-757-140-11	CORD, POWER (AEP, E51, EA, CIS, SP)	
△ 259	1-775-787-62	CORD, POWER (UK)	
△ 259	1-823-296-11	CORD, POWER (KR)	
△ 259	1-827-226-21	CORD, POWER (E)	
△ 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)	

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

Ref. No.	Part No.	Description	Remark
602	1-471-035-11	MAGNET ASSY	
△ 652	A-4735-357-A	BASE ASSY, OP (KSM-213D)	
653	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	
C904	1-127-888-11	CERAMIC 0.1uF 10% 50V	
C905	1-127-888-11	CERAMIC 0.1uF 10% 50V	
M741	A-4723-963-A	MOTOR ASSY, TABLE	
M751	A-4736-655-A	MOTOR ASSY, LOADING	
△ PT002	1-439-845-11	TRANSFORMER, POWER (AEP, UK, CIS)	
△ PT002	1-439-930-11	TRANSFORMER, POWER (KR)	
△ PT002	1-443-050-11	TRANSFORMER, POWER (AUS)	
△ PT004	1-439-928-11	TRANSFORMER, POWER (E, E51, SP, TW)	
△ PT004	1-439-931-11	TRANSFORMER, POWER (EA)	
S711	1-477-680-11	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	

ACCESSORIES			

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

MEMO

REVISION HISTORY

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