

# ZS-D1

## SERVICE MANUAL

Ver 1.1 2000.08

AEP Model  
UK Model  
Canadian Model



Model Name Using Similar Mechanism	NEW
Loading Mechanism Type	KSL-213CGP
CD Mechanism Type	KSM-213CGP
Optical Pick-up Name	KSS-213C
Model Name Using Similar Mechanism	NEW
Transport Mechanism Type	MF-ZSD1

### SPECIFICATIONS

#### CD player section

##### System

Compact disc digital audio system

##### Laser diode properties

Material: GaAIAs

Wave length: 780nm

Emission duration: Continuous

Laser output: Less than 44.6  $\mu$ W (This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

##### Spindle speed

200 r/min (rpm) to 500 r/min (rpm) (CLV)

##### Number of channels

2

##### Frequency response

20 - 20,000 Hz +0.5/-2 dB

##### Wow and flutter

Below measurable limit

#### Radio section

##### Frequency range

FM	87.6 - 107 MHz (AEP, UK) 87.6 - 108 MHz (CND)
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MW	531 - 1,602 kHz (AEP, UK)
----	---------------------------

LW	153 - 279 kHz (AEP, UK)
----	-------------------------

AM	530 - 1,710 kHz (CND)
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##### IF

FM: 10.7 MHz

MW/LW,AM: 450 kHz

##### Aerials

FM: Telescopic aerial

MW/LW: Built-in loop aerial (AEP, UK)

AM: Built-in loop aerial (CND)

#### Cassette-corder section

##### Recording system

4-track 2 channel stereo

##### Fast winding time

Approx. 130s (sec.) with Sony cassette C-60

##### Frequency response

TYPE I (normal): 70 - 10,000 Hz

##### Speaker

Full range: 8 cm (3 1/4 in.) dia., 3.2 ohms, cone type x 2

##### Input

LINE IN jack (stereo minijack)

Minimum input level 250 mV

##### Outputs

Headphones jack (stereo minijack)

For 16 - 68 ohms impedance headphones

LINE OUT jack (stereo minijack)

Rated output level 250 mV at load impedance 47

kilohms

Optical digital output (optical output connector)

Wave length: 630 - 690 nm

— Continued on next page —

## PERSONAL AUDIO SYSTEM



# SONY®

Maximum power output  
4.5 W + 4.5 W (at 3.2 ohms, 10 % harmonic distortion)

Power requirements  
For personal component system:  
230 V AC, 50 Hz (AEP, UK)  
120 V AC, 60 Hz (CND)  
12V DC, 8 R20 (size D) batteries  
For remote commander:  
3 V DC, 2 R6 (size AA) batteries

Power consumption  
AC 25 W

Battery life  
For CD radio cassette-corder

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**FM recording**

---

Sony R20P: approx. 4.5 h

---

Sony alkaline LR20: approx. 12 h

---

**Tape playback**

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Sony R20P: approx. 2 h

---

Sony alkaline LR20: approx. 4.5 h

---

**CD playback**

---

Sony R20P: approx. 2 h

---

Sony alkaline LR20: approx. 4.5h

---

Dimensions (incl. projecting parts)  
Approx. 440 × 164 × 256 mm (w/h/d)  
(17 3/8 × 6 1/2 × 10 1/8 inches)

Mass (incl. batteries)  
Approx. 6 kg (13 lb. 3 oz)

Supplied accessories  
AC power cord (1)  
Remote commander (1)

Design and specifications are subject to change without notice.

**Optional accessories**

Sony MDR headphone series

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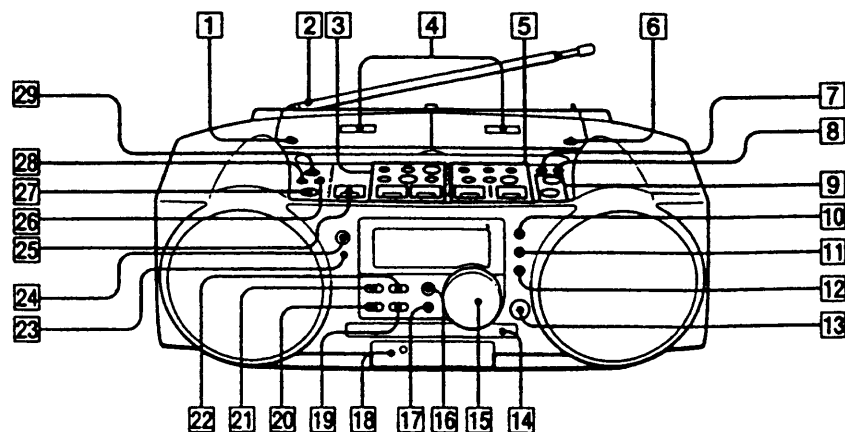
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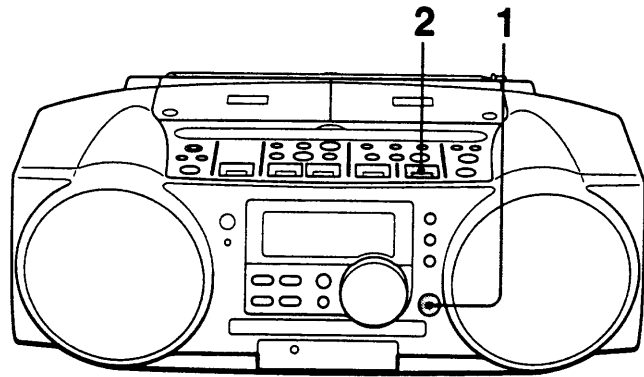
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## Parts and controls

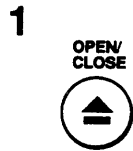


- |   |   |  |
|---|---|--|
| <p><b>1</b> ▲ PUSH (to open the tape compartment) button (DECK A)</p> <p><b>2</b> FM ANTENNA</p> <p><b>3</b> Tape operating button<br/>◀/▶ (PLAY)<br/>■ (STOP)<br/>◀◀/▶▶ (FF/REW · AMS)<br/>DUBBING START button<br/>●/   (REC/REC PAUSE)<br/>DECK A/B</p> <p><b>4</b> CASSETTE LID DECK A/B</p> <p><b>5</b> CD · Radio operating button<br/>CD : ▶   (PLAY/PAUSE)<br/>■ (STOP)<br/>REPEAT<br/>Radio : BAND<br/>AUTO PRESET<br/>Common : PLAY MODE/MONO/ST/ISS*<br/>* Decreases the noise while recording AM broadcast<br/>◀◀/▶▶ SERCH /TUNING<br/>+ / -</p> <p><b>6</b> ▲ PUSH (to open the tape compartment) button (DECK B)</p> <p><b>7</b> MEGA BASS button</p> | <p><b>8</b> SOUND button</p> <p><b>9</b> VOLUME button</p> <p><b>10</b> DISPLAY button</p> <p><b>11</b> DIR MODE (to select direction of the tape) button</p> <p><b>12</b> COUNTER RESET button</p> <p><b>13</b> ▲ OPEN/CLOSE button</p> <p><b>14</b> CD tray</p> <p><b>15</b> jog dial<br/>CD : AMS, Program Play, Music selection on EDIT<br/>Radio : Presetting radio stations<br/>Clock · Timer : Setting the clock, Setting the music source · volume</p> <p><b>16</b> ENTER button</p> <p><b>17</b> CANCEL button</p> <p><b>18</b> OPTICAL DIGITAL OUTPUT (CD) jack<br/>LINE IN jack<br/>LINE OUT jack</p> <p><b>19</b> PGM SET/MEMORY button</p> <p><b>20</b> CLOCK button</p> <p><b>21</b> TIMER button</p> <p><b>22</b> EDIT button</p> <p><b>23</b> OPR/BATT indicator</p> <p><b>24</b> Remote sensor</p> | <p><b>25</b> LINE button</p> <p><b>26</b> STANDBY button</p> <p><b>27</b> POWER button (CND), OPERATE button (AEP, UK)</p> <p><b>28</b> SLEEP button</p> <p><b>29</b> PHONES jack (stereo mini jack)</p> |
|---|---|--|

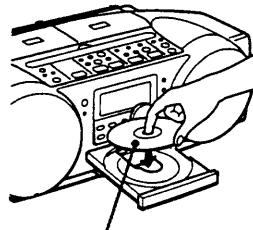
# Playing a CD



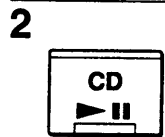
Connect the supplied AC power cord (see page 35.)



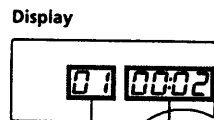
Press ▲ OPEN/CLOSE (direct power-on) and place the CD on the CD tray.



With the label side up

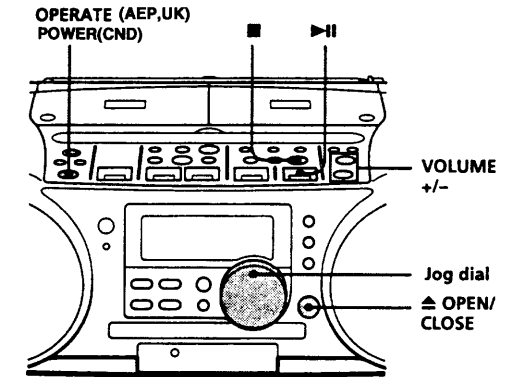


Press ►||. The CD tray closes and the player plays all the tracks once.



Track number Playing time

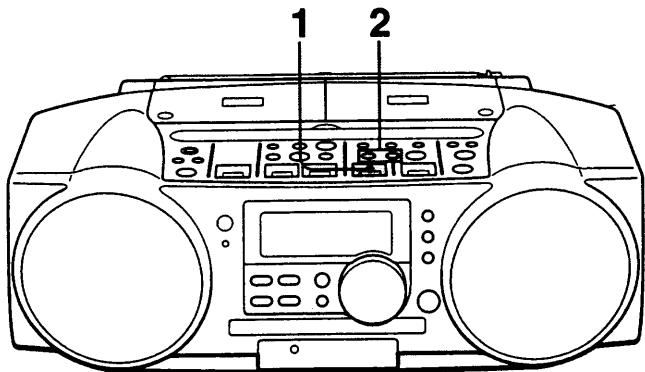
Use these buttons for additional operations



**Tip**  
Next time you want to listen to a CD, just press ►||. The player turns on automatically and starts playing the CD.

To	Do this
Adjust the volume	Press VOLUME +/-.
Stop playback	Press ■.
Pause playback	Press ►  . Press again to resume play after pause.
Go to the next track	Turn the jog dial clockwise.
Go back to the previous track	Turn the jog dial counterclockwise.
Remove the CD	Press ▲ OPEN/CLOSE.
Turn on/off the player	Press OPERATE. (AEP,UK) POWER(CND)

# Listening to the radio



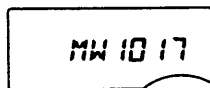
Connect the supplied AC power cord (see page 35.)

1

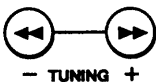


Press BAND until the band you want appears in the display (direct power-on).

Display



2



Hold down TUNING +/- until the frequency digits begin to change in the display.

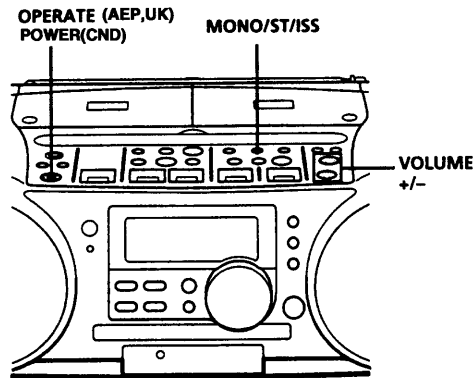
The player automatically scans the radio frequencies and stops when it finds a clear station.

If you can't tune in a station, press the button once at a time.



Indicates an FM stereo broadcast.

## Use these buttons for additional operations



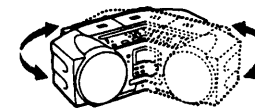
To	Press
Adjust the volume	VOLUME +/-
Turn on/off the radio.	OPERATE (AEP,UK) POWER(CND)

## To improve broadcast reception

Reorient the antenna for FM. Reorient the player itself for MW/LW.



For FM



For MW/LW (AEP,UK)  
AM (CND)

### AEP,UK

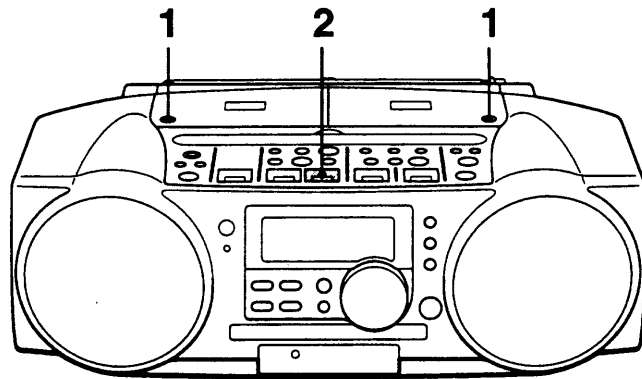
#### Note

If you press OPEN/CLOSE of the CD tray while listening to the radio, function of the player will change from "radio" to "CD."

#### Tips

- If the FM broadcast is noisy, press MONO/ST/ISS until "MONO" appears in the display and the radio will play in monaural.
- Next time you want to listen to the radio, just press the BAND button. The player turns on automatically and starts playing the previous station.

# Playing a tape

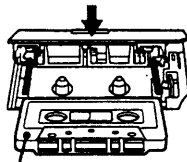


Connect the supplied AC power cord (see page 35.)

1



Press **▲ PUSH** to open the tape compartment and insert a recorded tape. Use TYPE I (normal), TYPE II (high position) and TYPE IV (metal) tapes. Close the compartment.

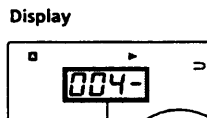


With the side you want to play facing upward

2

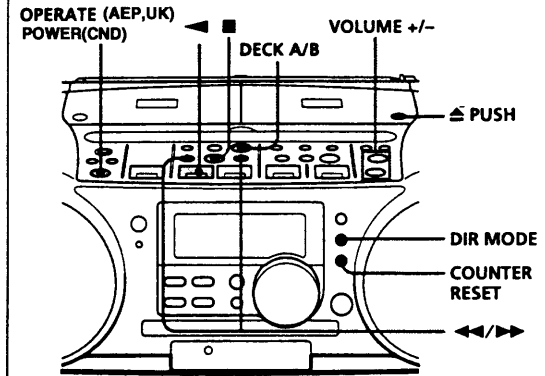


Press **▶**  
The player turns on (direct power-on) and starts playing.



Tape counter

## Use these buttons for additional operations



### Tips

- Press COUNTER RESET to reset the counter to "000."
- Next time you want to listen to a tape, just press **▶** or **◀**. The player turns on automatically and starts playing the tape.

### Note

During playback, do not press the buttons on the other deck. Otherwise the playback speed may change.

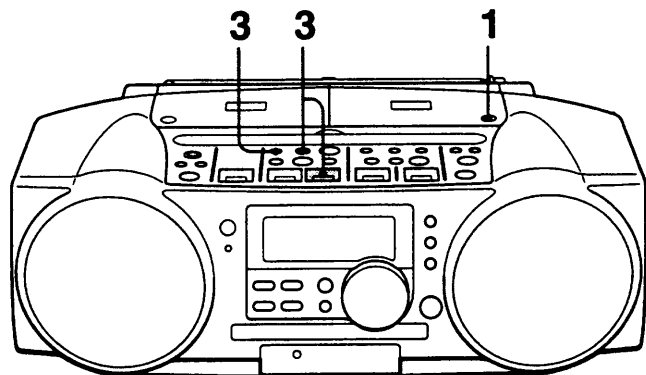
To	Press
Adjust the volume	VOLUME +/-
Stop playback	■
Play the reverse side	◀
Fast-forward or rewind the tape	▶▶ or ◀◀
Select the deck	DECK A/B
Eject the cassette	▲ PUSH
Turn on/off the player	OPERATE (AEP,UK) POWER(CND)

### To select the direction of the tape

Press DIR MODE repeatedly.

To play	Display shows
One side of the tape	==
Both sides of the tape from the front side to reverse side only	⇒
Both sides of the tape repeatedly	⇄

## Recording on a tape

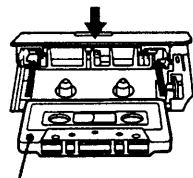


Connect the supplied AC power cord (see page 35.)

1



Press **▲ PUSH** on deck B to open the tape compartment, and insert a blank tape. Use TYPE I (normal) tape only.



With the side you want to record on facing upward

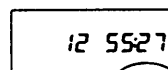
2



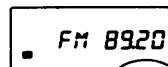
Select the program source you want to record.

To record from the CD player, insert a CD (see page 4) and press **■** on the CD section.

Display



To record from the radio, press **BAND** and tune in the station you want (see page 6.)



To record from the tape player, insert a recorded tape into deck A, and press **■** on the tape section.

3

DUBBING START



Start recording.

To record from the CD or tape player, press DUBBING START.

When **↔** is displayed during CD recording: If the last track on the upper side does not fit, the track will be recorded again from the beginning on the reverse side.



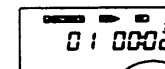
To record from the radio\*, press **●/||** and then **▶**. (On the remote, while keeping **●/||** pressed, press **▶** on the tape section.) To record on the reverse side, press **◀**.

\*You can also use this procedure for recording from the CD or tape player.

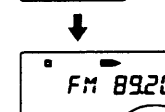
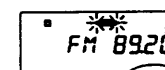
Note

If recording does not start, press **●/||** and then **▶** again.

Recording from the CD player



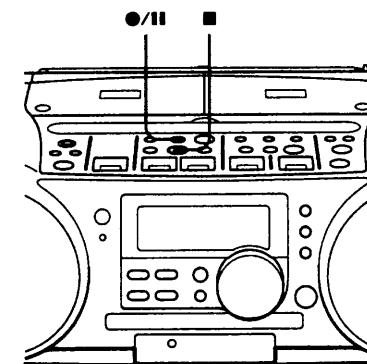
Recording from the radio



### Tips

- Adjusting the volume or the audio emphasis (see page 39) will not affect the recording level.
- When **↔** is displayed, recording will be made on both sides of the tape. To record on one side, press DIR MODE to display **→**.
- If the MW/LW radio makes a whistling sound after you've pressed **●/||** in step 3, press MONO/ST/ISS to select the position that most decreases the noise.
- To erase a recording, proceed as follows:
  - 1 Insert a tape you want to erase its recording into deck B and press **■** on the tape section.
  - 2 On the player: press **●/||** and then **▶**. On the remote: While keeping **●/||** pressed, press **▶** on the tape section.

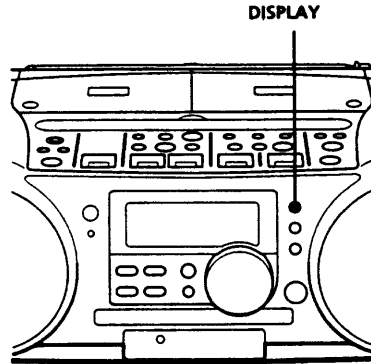
### Use these buttons for additional operations



To	Press
Stop recording	<b>■</b>
Pause recording (only when recording from the radio)	<b>●/  </b> Press the button again to resume recording.

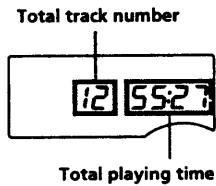
## Using the display

You can check information about the CD using the display.



### Checking the total track number and playing time

Press DISPLAY in stop mode.



### Checking the remaining time

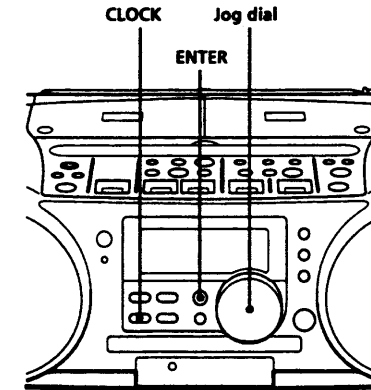
Press DISPLAY while playing a CD.

To display	Press DISPLAY
The current track number and the remaining time on the current track*	Once
Remaining time on the CD and the number of tracks left	Twice
The current track number and playing time	Three times

\* For a track whose number is more than 20 the remaining time appears as "--:--".

## Setting the clock

"0:00" indication appears in the display until you set the clock.



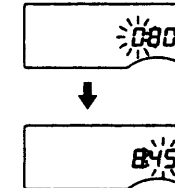
The Timer

Before you begin, connect to the power source (see page 35 - 36.)

**1** Press and hold CLOCK until "0:00" flashes.

**2** Set the clock.

- ① Turn jog dial to set the hour and press ENTER.
- ② Turn jog dial to set the minute.



**3** Press ENTER.

The clock starts from 00 seconds.

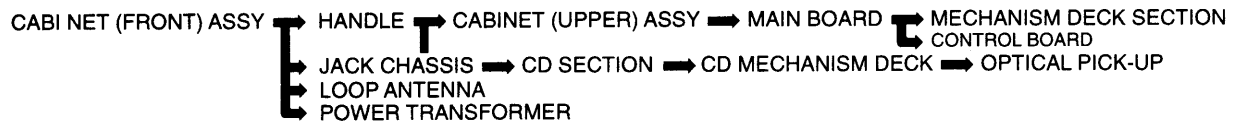
**Tip**

- The time display system of this player is the 24-hour system.
- When you use an AC power cord, ":" flashes as long as the clock goes.



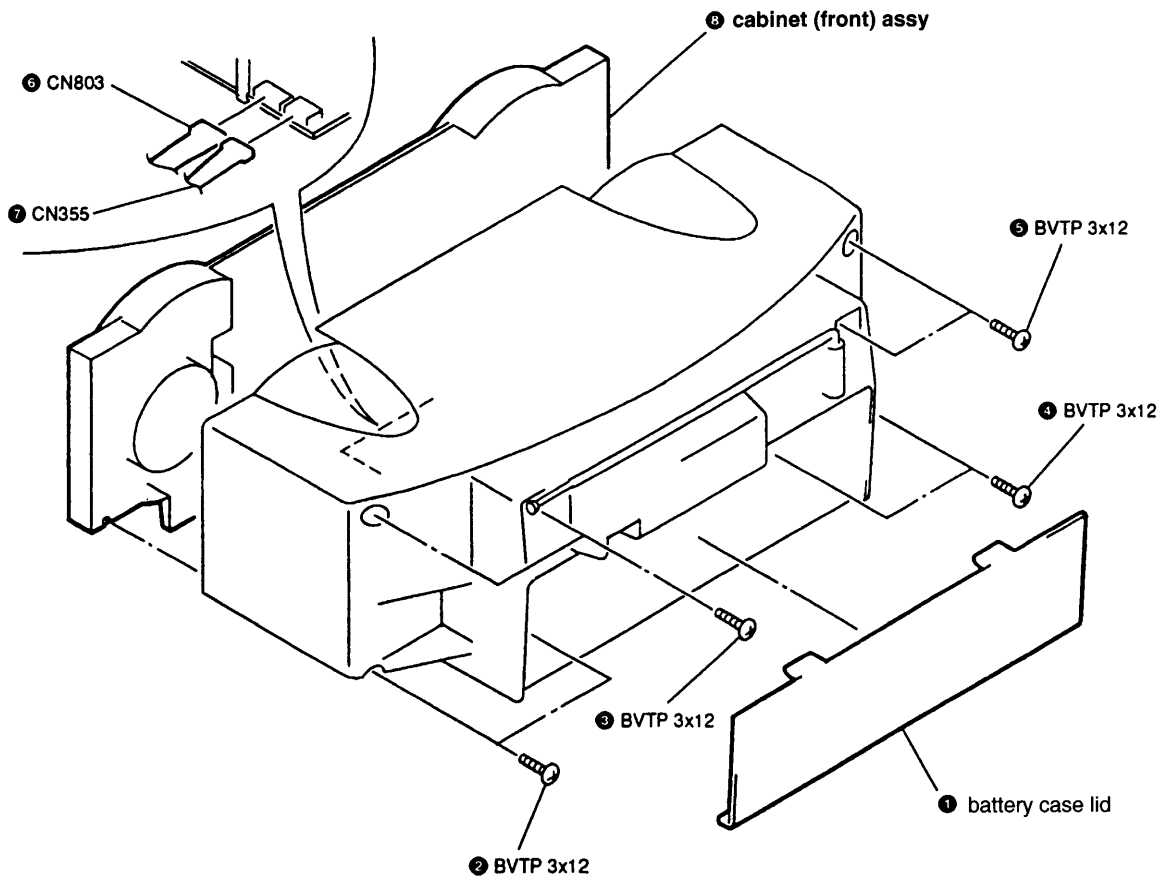
## SECTION 2 DISASSEMBLY

**Note :** This set can be disassemble according to the following sequence.

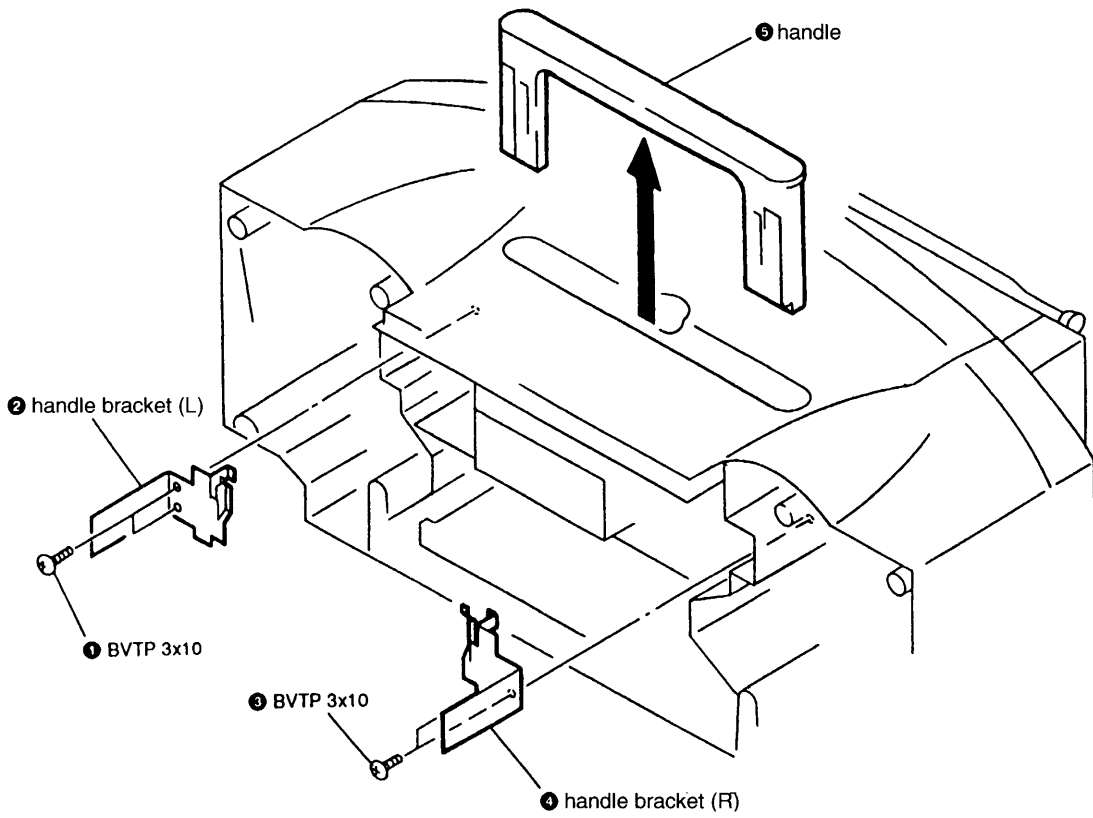


**Note :** Follow the disassembly procedure in the numerical order given.

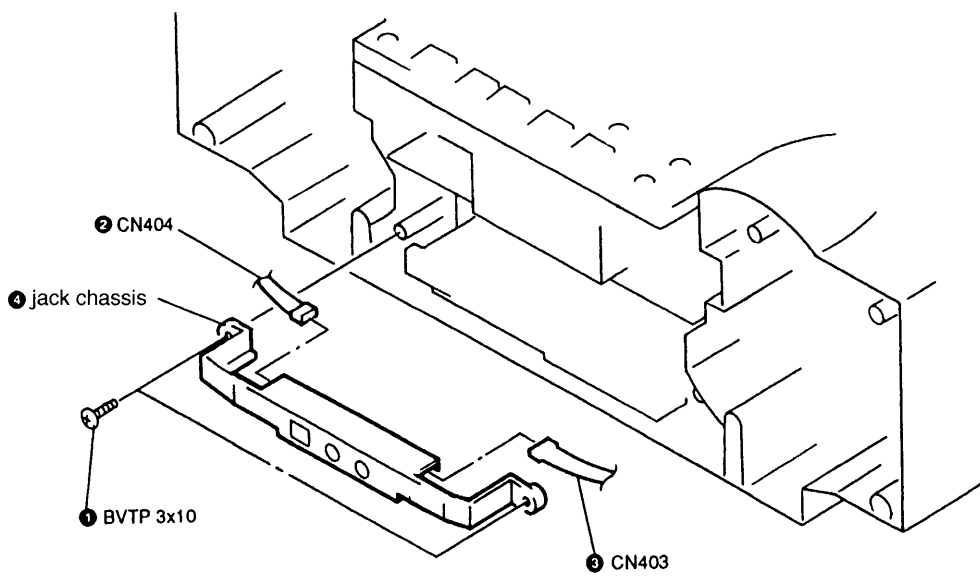
### 2-1. CABINET (FRONT) ASSY



## 2-2. HANDLE

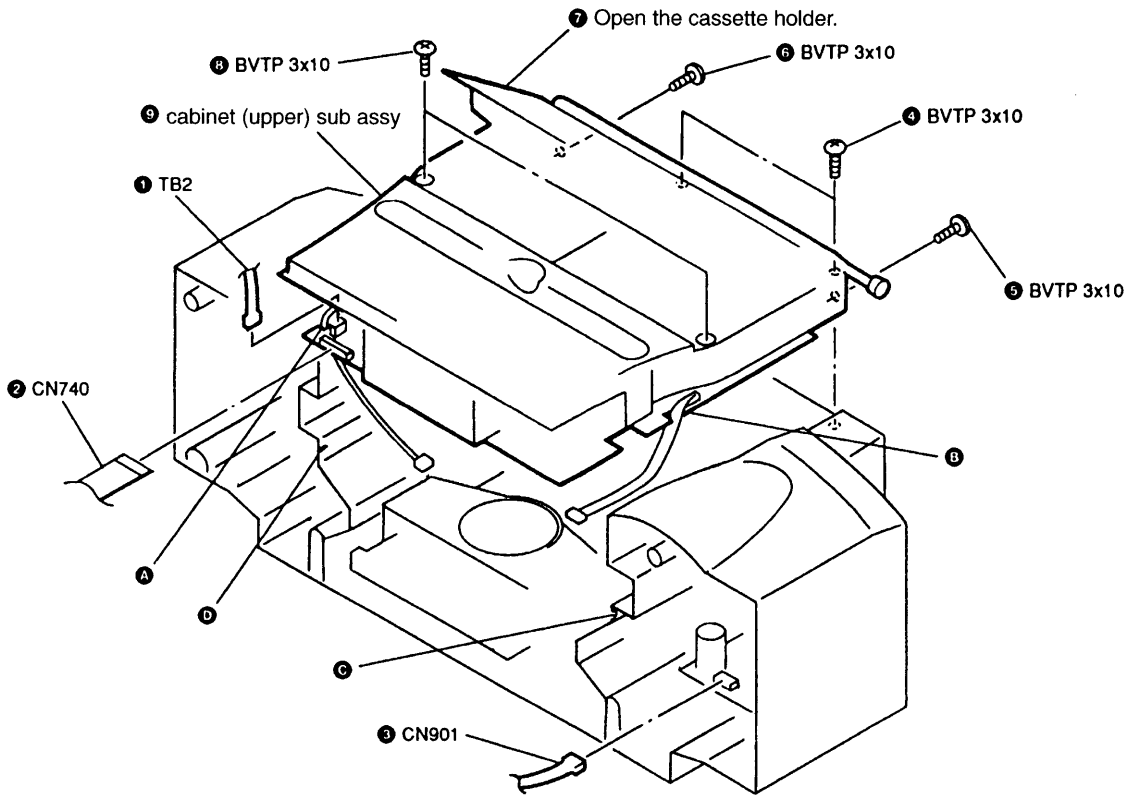


## 2-3. JACK CHASSIS



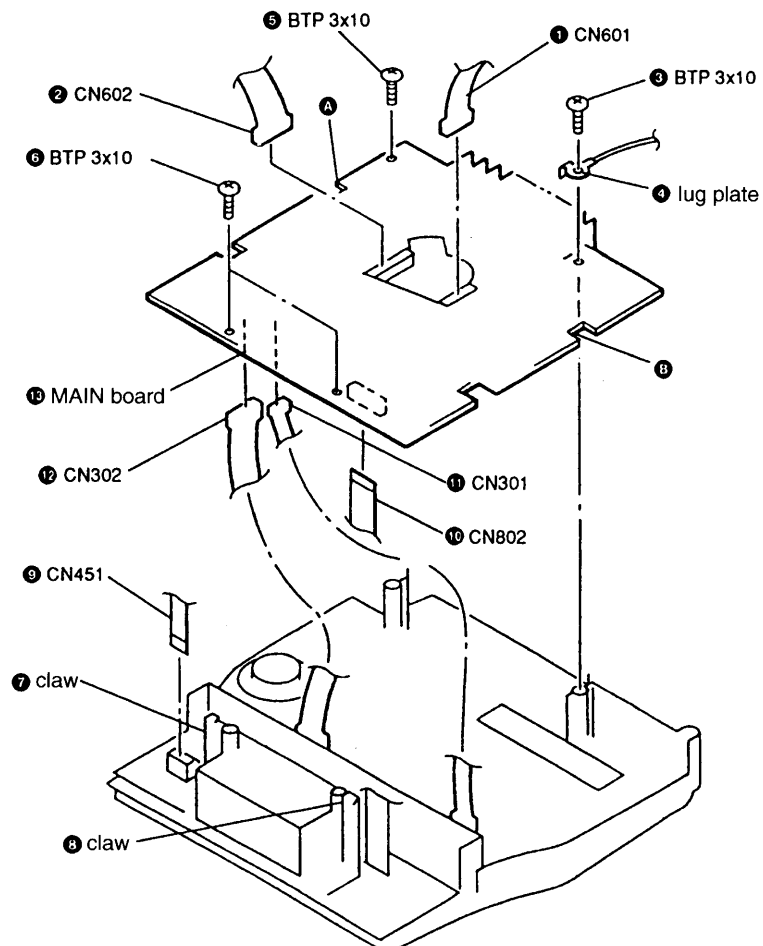
## 2-4. CABINET (UPPER) ASSY

**Note :** When attaching, the harness must be routed through blocks **A** through **D**.

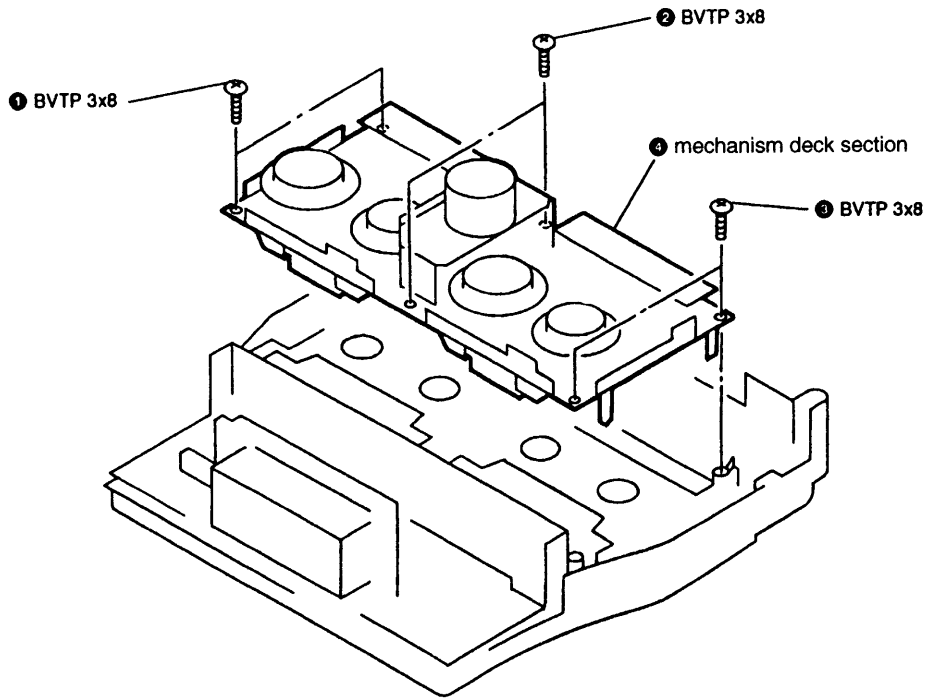


## 2-5. MAIN BOARD

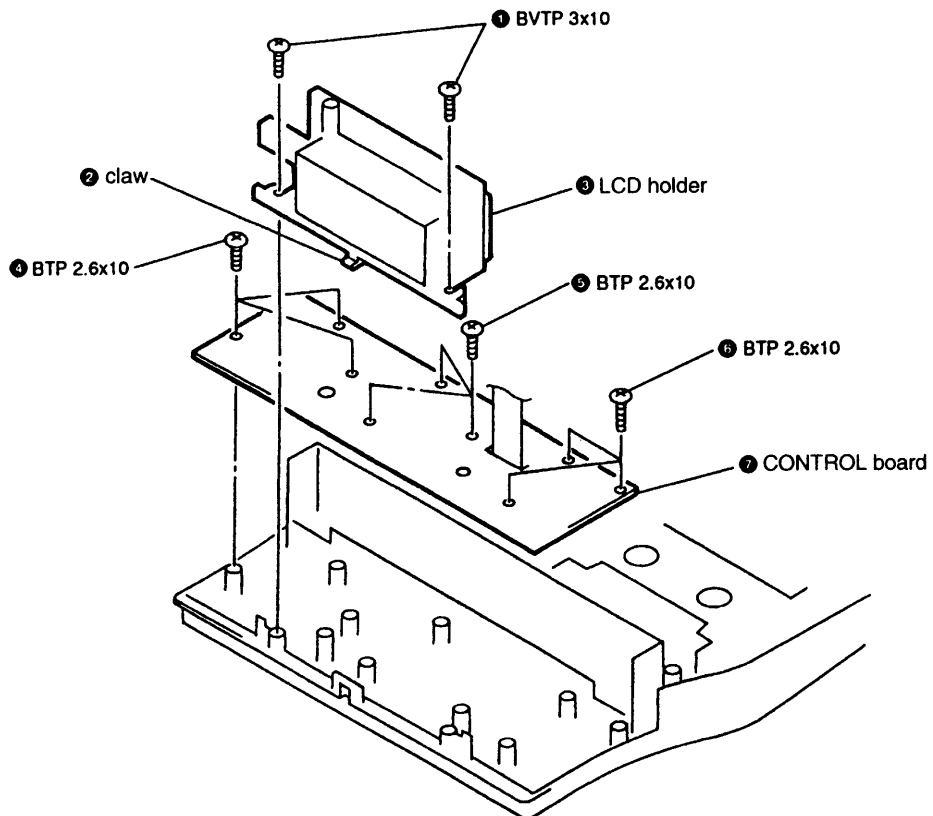
**Note :** When attaching, the harness must be routed through blocks **A** through **B**.



## 2-6. MECHANISM DECK SECTION

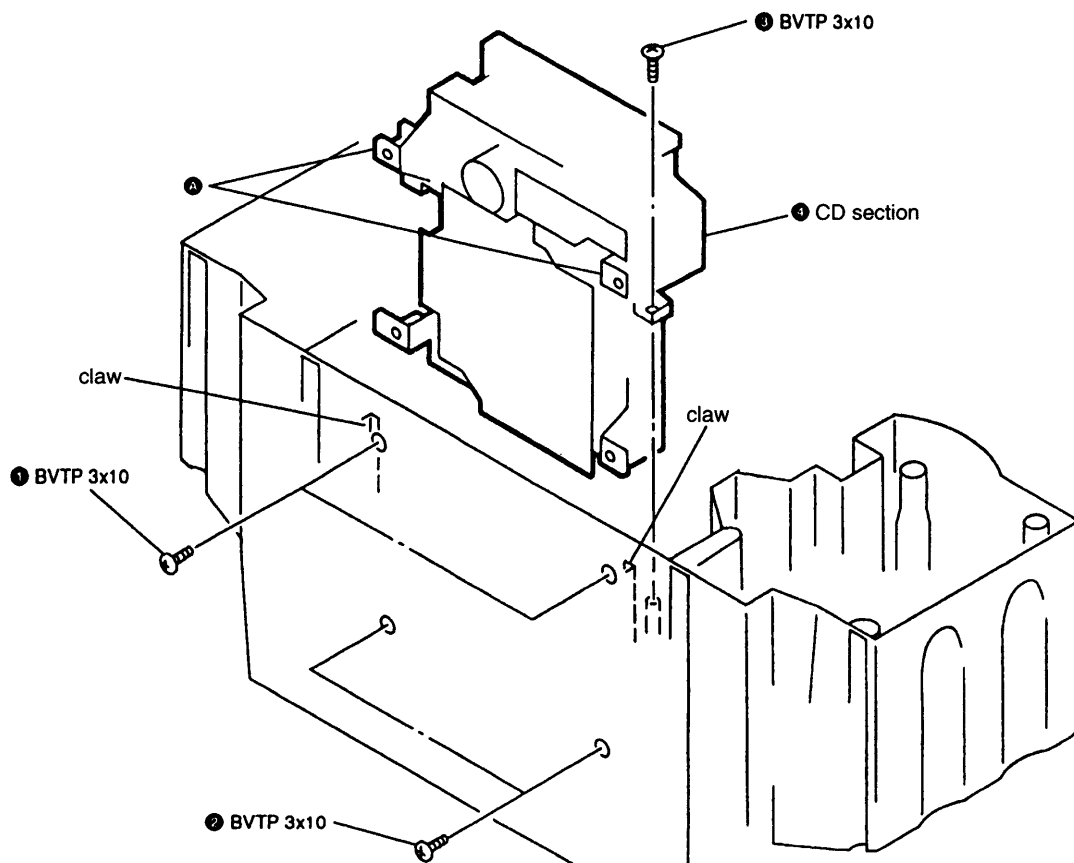


## 2-7. CONTROL BOARD

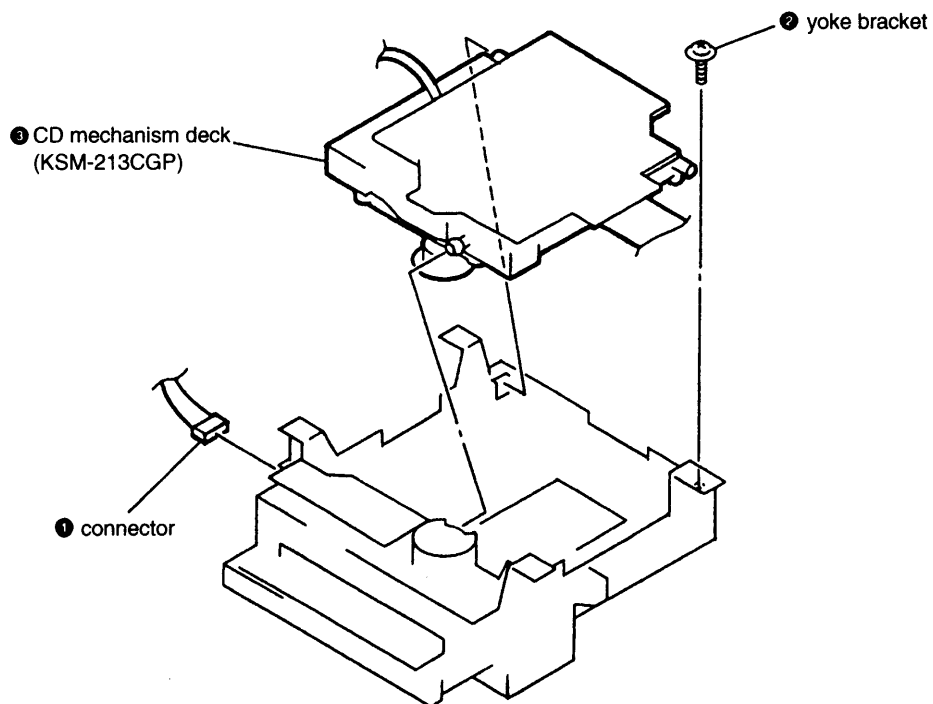


## 2-8. CD SECTION

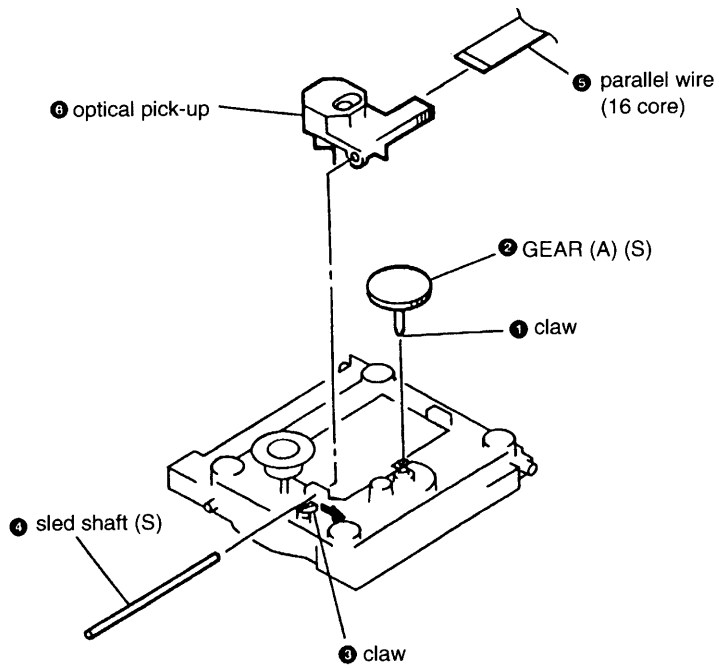
Note : When attaching, engaged the block **A** with the claw.



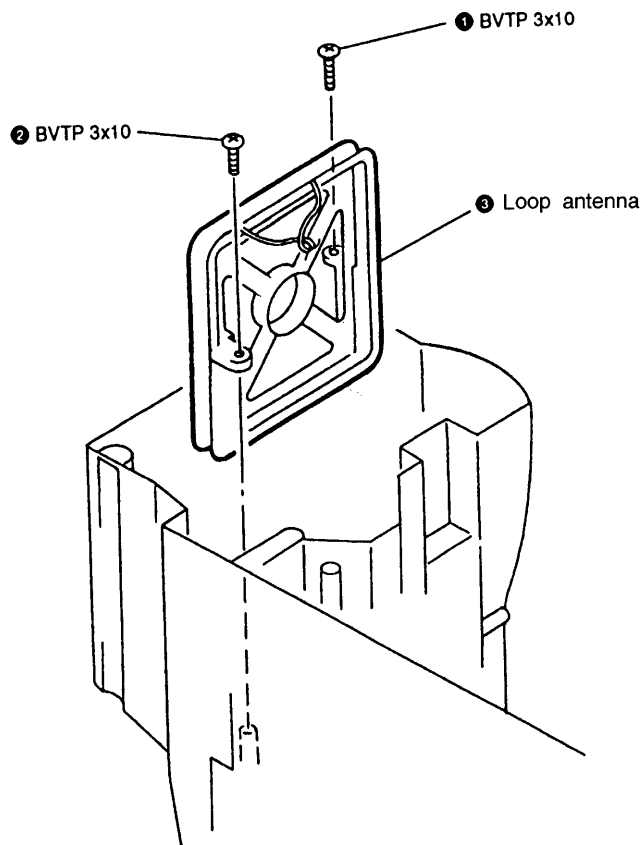
## 2-9. CD MECHANISM DECK



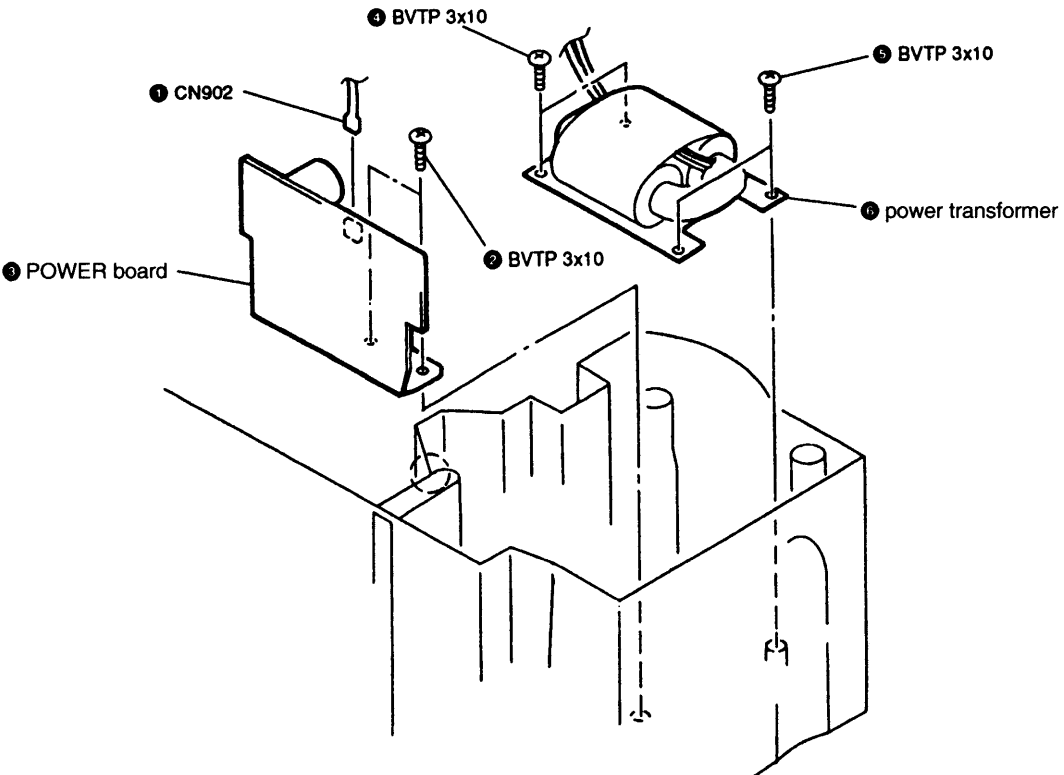
## 2-10. OPTICAL PICK-UP



## 2-11. LOOP ANTENNA



2-12. POWER TRANSFORMER



## SECTION 3 TEST MODE

- The two test modes of the display test mode and the CD test mode can be established by pressing the keys as follows:
- How to establish the test modes.

Display test mode :

While pressing the two keys of VOLUME + DISPLAY at the same time, press the RESET button.

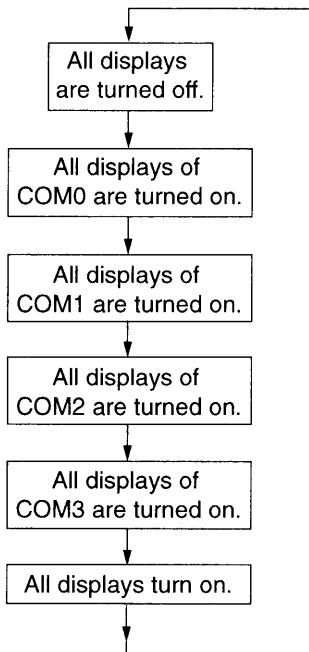
CD test mode:

While pressing the two keys of VOLUME + ■ (CD) at the same time, press the RESET button.

- How to release the test mode.  
Either turn off the main power, or select any other function.

### Display test mode

- Immediately after entering the display test mode, all displays are turned off. Then the displays turn on in the following order every one second interval and repeat the following pattern. The function is LINE at this time.



(When the two keys of VOLUME + any key such as VOLUME + 10 key or VOLUME + [-] key during the display test mode, the VOLUME 0 state is established.)

### CD test mode

Test contents of the CD test mode.

Effective keys (CD)		Operating mode			
		OFF	OFF	OFF	OFF
■		OFF	OFF	OFF	OFF
CD ►		FCSS	FCSS	FCSS	FCSS
◀◀	Press continuously	SREV	SREV	SREV	SREV
	Release	OFF	OFF	OFF	OFF
◀◀	Press continuously	SFWD	SFWD	SFWD	SFWD
	Release	OFF	OFF	OFF	OFF
PLAY MODE		—	—	—	—
▲ OPEN/CLOSE		OPEN/ CLOSE	OPEN/ CLOSE	OPEN/ CLOSE	OPEN/ CLOSE

### \* : Details of the operating mode

Operating mode	Mode status	LCD
OFF	The status in which all servo loops are turned OFF. (Initial state)	88
FCSS	The status in which focus servo is ON which controls spindle in the CLV-S mode. Tracking and sled servo loops are turned OFF.	F —
ALLS	The status in which all servo loops are turned ON.	P —
TGUP	The status in which tracking gain is increased from the ALLS status.	P0
SFWD	The status in which the sled is moved to the outer circumference in the servo off status.	S1
SREV	The status in which the sled is moved to the inner circumference in the servo off status.	S2
FFWD	The status in which the sled is moved to the outer circumference in the FCSS status.	F1
FREV	The status in which the sled is moved to the inner circumference in the FCSS status.	F2

**Note:** All key operations are not received during loading and focus search gain increase. The machine operates on the premises that a CD tray is closed when started. If a CD tray is opened, close the CD tray by pressing the ▲ OPEN/CLOSE key.



## SECTION 4 MECHANICAL ADJUSTMENTS

### PRECAUTION

- Clean the following parts with a denatured-alcohol-moistened swab:
  - record/playback/erase head (Deck B)
  - pinch rollers
  - playback head (Deck A)
  - rubber belts
  - idlers
  - capstans
- Demagnetize the record/playback/erase head with a head demagnetizer.
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- Perform adjustment under the specified voltage unless otherwise specified.
- When running a mechanism deck with a cassette inserted, press a function key while pressing down the cassette.

### Torque Measurement

DECK A   DECK B

Mode	Torque Meter	Meter reading
FWD	CQ-102C	22.5 to 50g · cm (0.31 to 0.69 oz · inch)
FWD back tension		1.5 to 5g · cm (0.02 to 0.06 oz · inch)
REV	CQ-102RC	22.5 to 50g · cm (0.31 to 0.69 oz · inch)
REV back tension		1.5 to 5g · cm (0.02 to 0.06 oz · inch)
FF	CQ-201B	*140 to 180g · cm (1.94 to 2.49 oz · inch)

- \* The head must be set in the FWD position before starting FF torque measurement.

### Tape Tension

DECK A   DECK B

Mode	Tension Meter	Meter reading
FWD	CQ-403A	more than 100g
REV (Deck B)	CQ-403R	(more than 1.38 oz · inch)

## SECTION 5 ELECTRICAL ADJUSTMENTS

### 5-1. TAPE RECORDER SECTION 0 dB = 0.775 V

#### PRECAUTION

1. Adjustments should be performed in the order given. (Generally playback circuit adjustments should be completed before performing recording circuit adjustments.)
2. Adjustments should be performed for both L-ch and R-ch. (Switches and controls should be set as follows unless otherwise specified.)

#### • Standard Record:

Deliver the standard input signal level to the input jack and set the VOLUME +/- keys to obtain the standard input and output signal level.

#### • Standard input level

Input Pin	LINE IN
Signal source impedance	10 k
Input signal level	0.25 V (-9.8 dB)

#### • Standard output level

Output Pin	SP OUT (L, R)	H.P OUT
Load impedance	3.2	32
Output signal level	0.775 V (0 dB)	0.10 V (-18 dB)

#### • Test tape

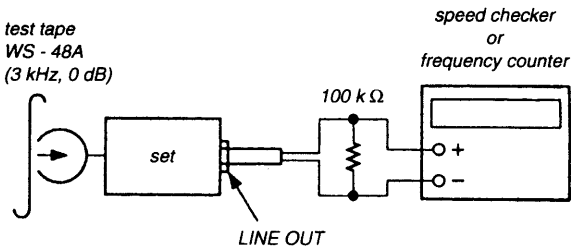
Test Tape	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape speed adjustment
P-4-A100	10 kHz, -10 dB	REC/PB/ERASE Head azimuth and phase adjustment.

## Tape Speed Adjustment

**DECK B**

### Procedure:

Mode : FWD playback



1. Press the TAPE ◀ Key to enter the RVS playback mode. (Playback the beginning of tape.)
2. Adjust RV601 so that the frequency counter reading or the speed checker reading satisfies the following adjustment value.

Adjustment Value : normal tape speed

DECK	Speed checker	Frequency counter
B	0 to 1 %	3,000 to 3,030 Hz

3. Press the TAPE ▶ key to enter the RVS playback mode. (Playback beginning of the tape.)
4. Confirm that the frequency difference between the direction and direction is within 1.5 % (45 Hz).
5. Repeat steps 1 and 2 when step 4 is not satisfied.

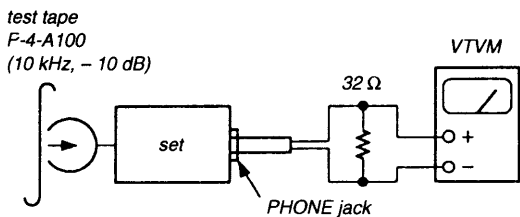
Adjustment location : Refer to next page.

## Record/Playback/Erase Head Azimuth Adjustment

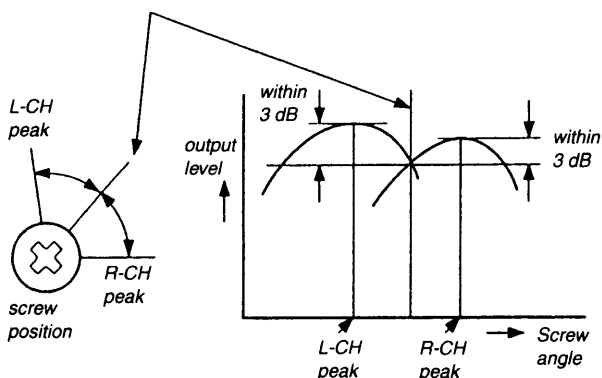
**DECK A DECK B**

### Procedure:

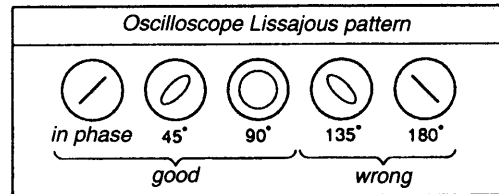
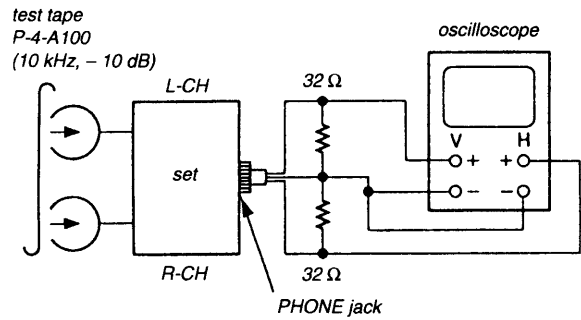
1. Mode : FWD/RVS playback



2. Turn the adjustment screw for the maximum output levels. If these levels at L-ch and R-ch do not match, turn the adjustment screw until both of output levels match together within 3 dB.



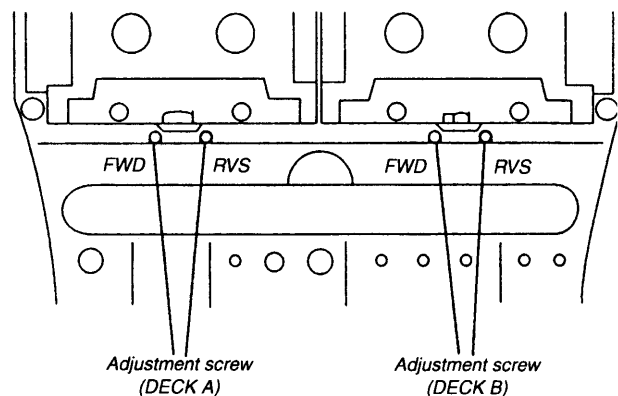
3. Phase Check  
Mode : FWD/RVS playback



**Note:** Adjustment must be completed by cw turning of adjustment screw.  
After the adjustment, lock the screws with locking compound.

Adjustment Location : Record/Playback head (Deck A)  
Record/Playback/Erase head (Deck B)

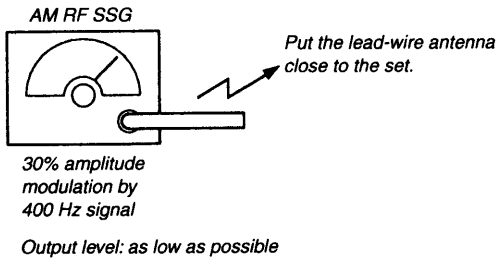
— When viewed from the top —



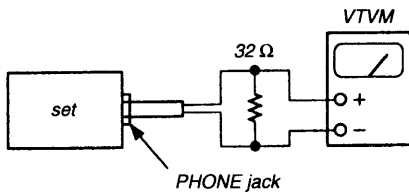
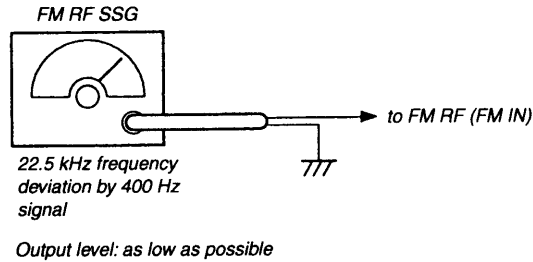
## 5-2. TUNER SECTION

0 dB = 1  $\mu$ V

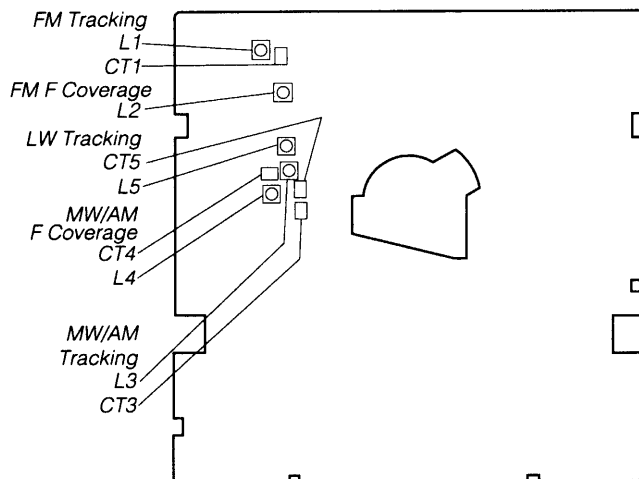
### • AM section



### • FM section



Adjustment Location : MAIN board (side A)



### • Positions of switches and control knobs

VOLUME ..... standard output level position  
(See previous page.)

- Repeat the procedures in each adjustment several times for the maximum level meter indication.
- The frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AEP/UK/Canadian model ( ): Canadian model

MW/AM RECEPTION FREQUENCY COVERAGE CHECK		
Frequency indication	531 kHz (530 kHz)	1,611 kHz (1,710 kHz)
Digital voltmeter reading	0.9 $\pm$ 0.3 V (0.85 $\pm$ 0.15 V)	5.0 $\pm$ 0.5 V (5.7 $\pm$ 0.5 V)
Adjustment	L4	check

AEP/UK model

LW RECEPTION FREQUENCY COVERAGE CHECK		
Frequency indication	151 kHz	273 kHz
Digital voltmeter reading	0.65 $\pm$ 0.05 V	5.2 $\pm$ 0.5 V
Adjustment	CT4	check

AEP/UK/Canadian model ( ): Canadian model

MW/AM TRACKING ADJUSTMENT	
Adjust for a maximum deflection of level meter.	
L3	CT3
621 kHz (620 kHz)	1,404 kHz (1,400 kHz)

AEP/UK model

LW TRACKING ADJUSTMENT	
Adjust for a maximum deflection of level meter.	
L5	CT5
162 kHz	261 kHz

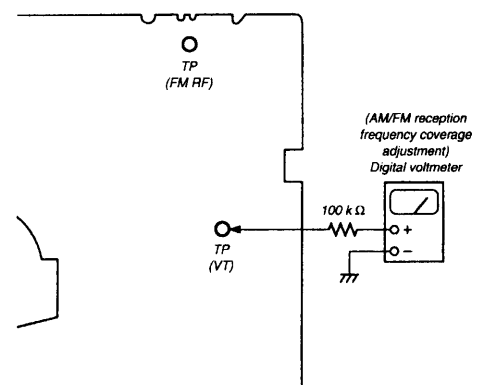
AEP/UK/Canadian model

FM RECEPTION FREQUENCY COVERAGE CHECK		
Frequency indication	87.5 MHz	108 MHz
Digital voltmeter reading	2.3 $\pm$ 0.1 V	5.2 $\pm$ 0.5 V
Adjustment	L2	check

AEP/UK/Canadian model

FM TRACKING ADJUSTMENT	
Adjust for a maximum deflection of level meter.	
L1	CT1
87.5 MHz	108 MHz

Test Point : MAIN board (side B)



### 5-3. CD SECTION

#### Notes on Adjustment

1. Perform the traverse adjustment in the CD test mode. (Refer to page 16.)  
After adjustment, be sure to release test mode.
2. Perform adjustments in the order given.
3. Use the disc (YEDS-18, Parts No. 3-702-101-01) only when so indicated.
4. Short the both ends of R720 of the CD Board to stop functioning of the anti-shock circuit. (Refer to page 22.)

#### Before Adjustment

Put the set into test mode (see page 16) and perform the following checks.

Repair if there are any problems.

#### • Sled Motor Check

Press **▶▶**, **◀◀** keys and confirm that the FOP moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises.

**▶▶** : FOP moves to the outer circumference.

**◀◀** : FOP moves to the inner circumference.

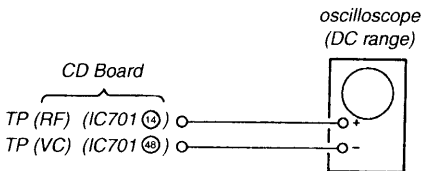
#### • Focus Search Check

1. Press the CD **▶▶** key. (Focus search operation is performed continuously.)
2. Look at the FOP objective lens and confirm that it moves up and down smoothly, with no catching or abnormal noises.
3. Press **■** key. (Focus search operation stops and the turntable continues to turn.)  
Press **■** key again longer, the turntable stops.

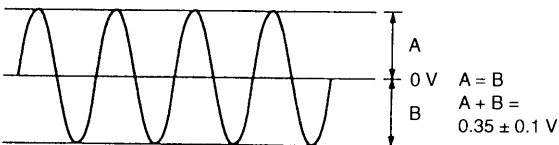
#### Traverse Adjustment

This check is to be done when the optical block is replaced.

#### Check Procedure:



1. Connect the oscilloscope between TP (TE) and TP (VC).
2. Put the set into CD test mode. (Refer to page 16.)
3. Insert disc (YEDS-18) and press the **▶▶** and **◀◀** keys to move the FOP to the center.
4. Press the CD key.
5. Adjust RV703 that the waveform on oscilloscope is vertically symmetric to 0 V.
6. Release test mode after adjustment is completed. (See page 16.)

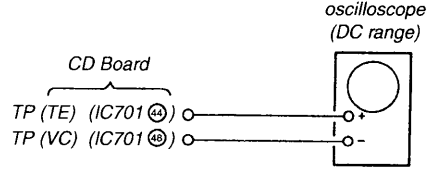


Check Location : See page 22.

#### Focus Bias Adjustment

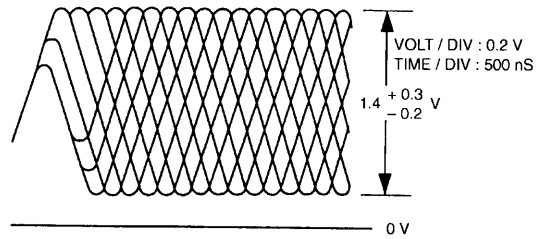
This check is to be done when the optical block replaced.

#### Check Procedure:



1. Connect the oscilloscope between TP (RF) and TP (VC).
2. Insert disc (YEDS-18) and press the CD **▶▶** key.
3. Adjust RV701 for the maximum amplitude of the oscilloscope waveform as shown.

- RF signal reference waveform (eye pattern)



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Check Location : See page 22.

## 5-4. REFERENCE

### Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/Tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

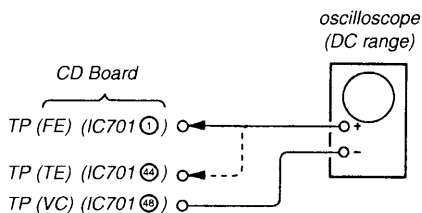
Symptoms \ Gain	Focus	Tracking
<ul style="list-style-type: none"> <li>• The time until music starts becomes longer for STOP → CD ►► or automatic selection (◀◀, ►► buttons pressed). (Normally takes about 2 seconds.)</li> </ul>	low	low or high
<ul style="list-style-type: none"> <li>• Music does not start and disc continues to rotate for STOP → CD ►► or automatic selection (◀◀, ►► buttons pressed.)</li> </ul>	—	low
<ul style="list-style-type: none"> <li>• Sound is interrupted during PLAY. Or time counter display stops progressing.</li> </ul>	—	low
<ul style="list-style-type: none"> <li>• More noise during 2-axis device operation.</li> </ul>	high	high

The following is a simple adjustment method.

#### — Simple Adjustment —

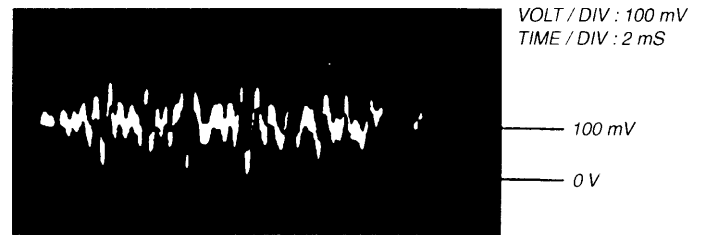
**Note :** Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

#### Procedure :



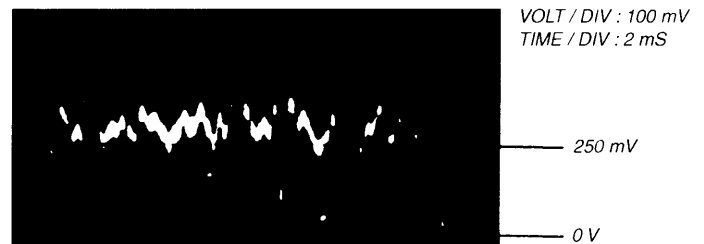
1. Keep the set horizontal.  
If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.
2. Connect the oscilloscope between TP (FE) and TP (VC).
3. Insert disc (YEDS-18) and press CD ►► button.
4. Adjustment RV702 so that the waveform is as shown in the figure below. (focus gain adjustment)

#### • Good Example

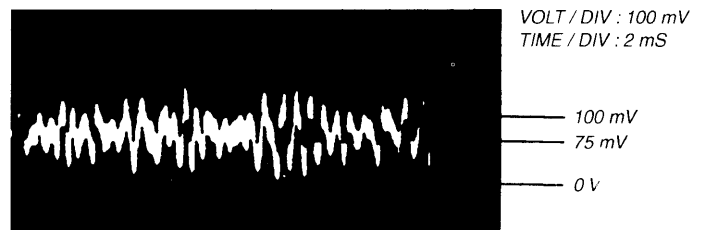


#### • Inccornt Examples (DC level changes more than on adjusted waveform)

##### low focus gain



##### high focus gain

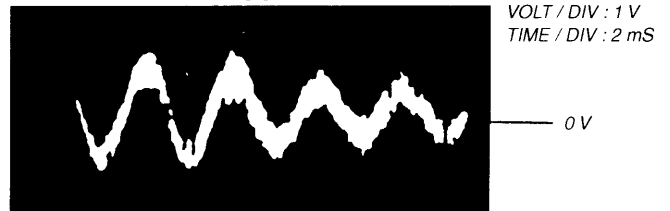


5. Connect the oscilloscope between TP (TE) and TP (VC).
6. Insert disc (YEDS-18) and press the CD ►► button.
7. Adjust RV704 so that the waveform is as shown in the figure below. (tracking gain adjustment)



#### • Inccornt Examples (fundamental wave appears)

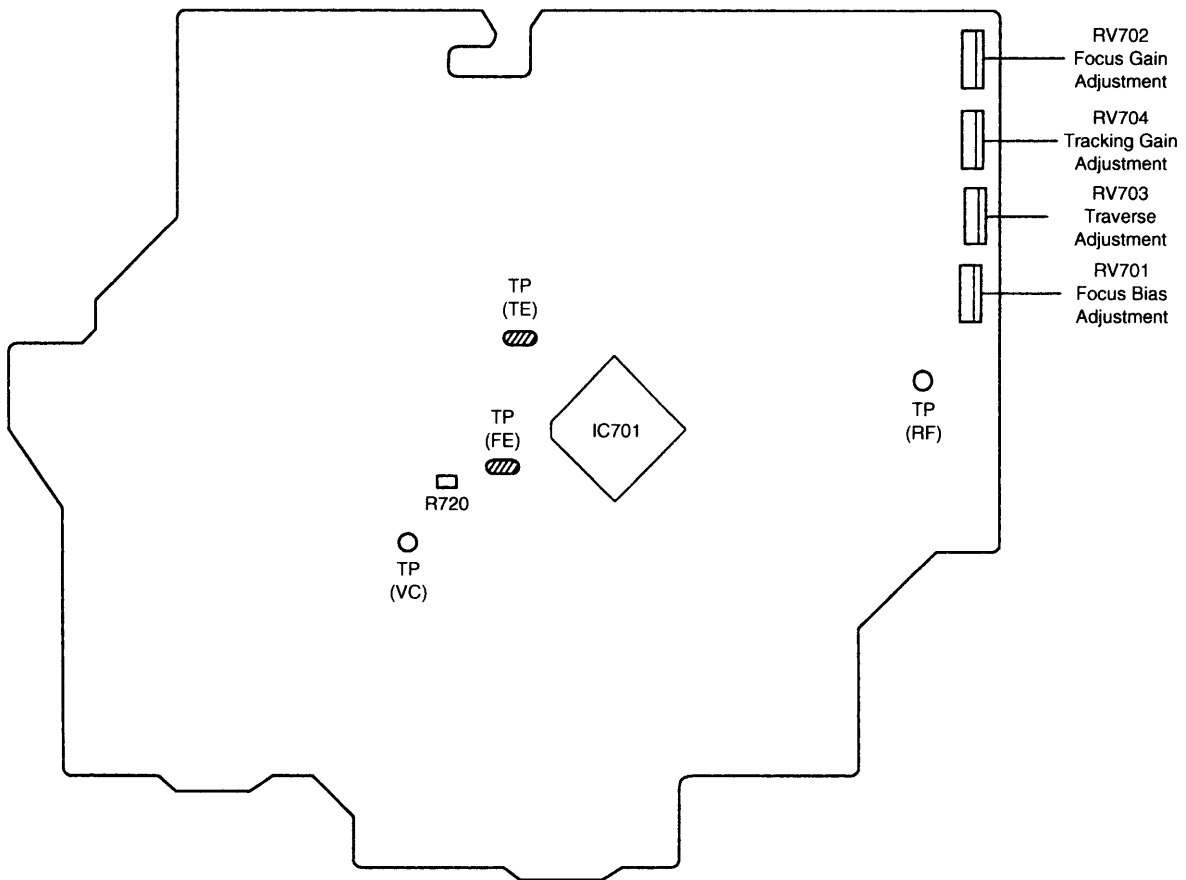
##### low tracking gain



##### high tracking gain (higher fundamental wave than for low gain)



Adjustment Location : CD board (pattern side)



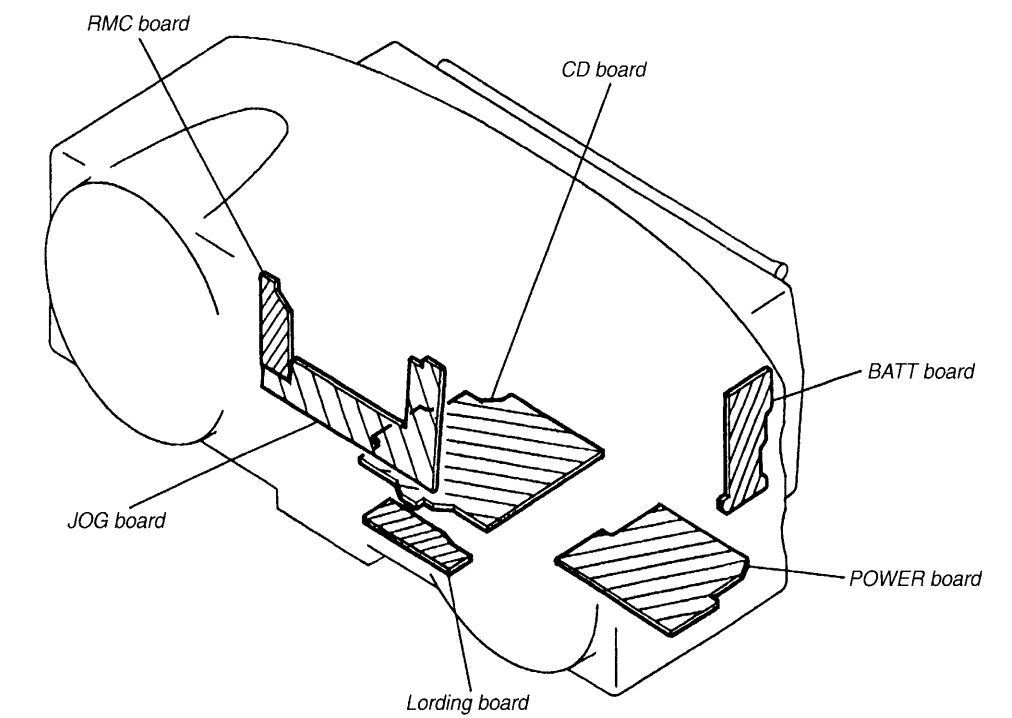
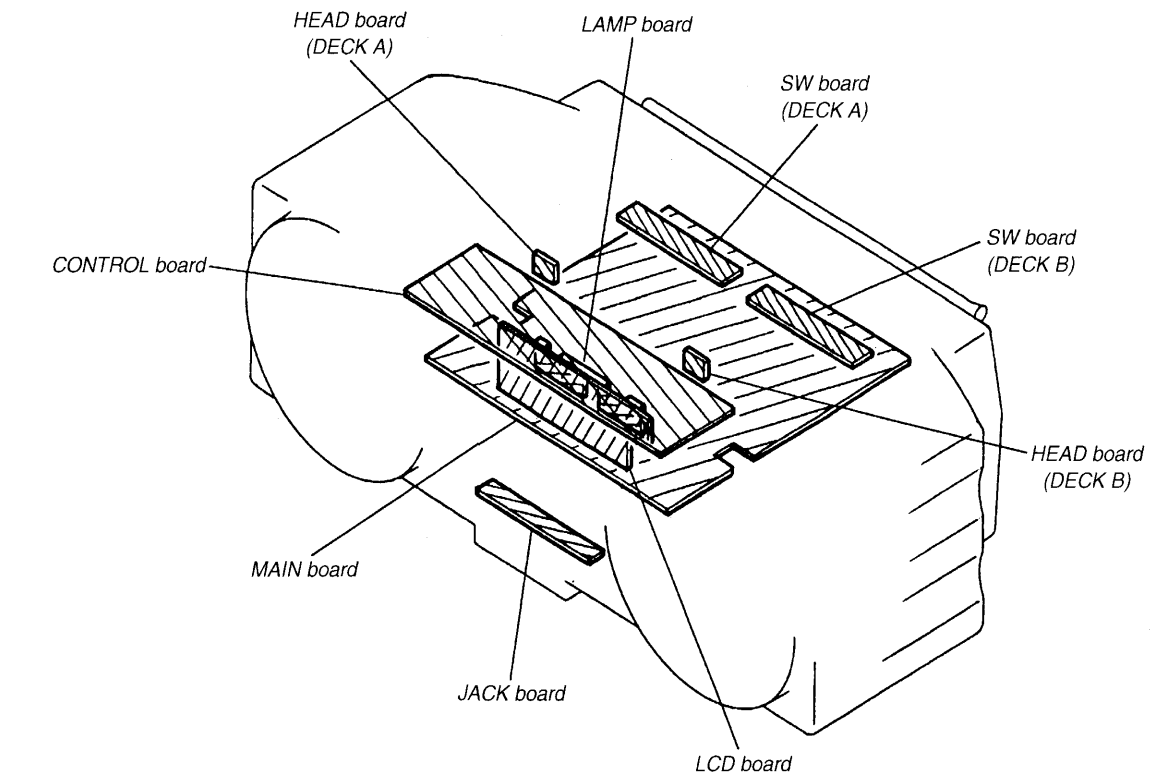
## SECTION 6 DIAGRAMS

### 6-1. IC Pin Description • IC801 CSP84124-056Q (System control)

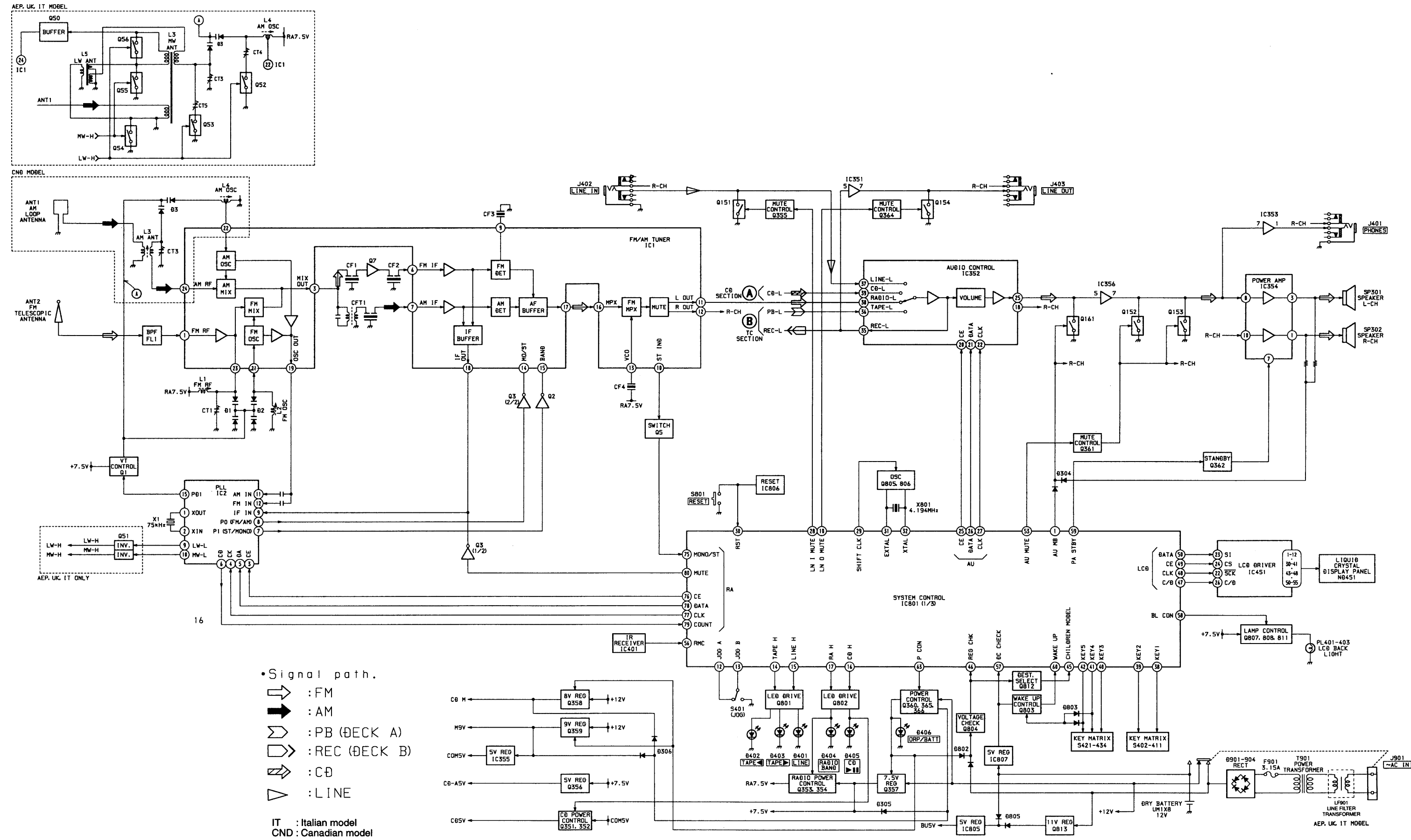
Pin No.	Pin Name	I/O	Description
1	AU MB	O	MEGA BASS ON/OFF output
2	SENSE	I	CD sense input
3	CA XLAT	O	CD X latch output
4	CD DATA	O	CD command data line output
5	CD CLK	O	CD command clock line output
6	CD OP MOT	O	CD tray motor control output (open)
7	CD CL MOT	O	CD tray motor control output (close)
8	CD XRST	O	CD X reset output
9	CD MUTE	O	CD mute output
10	LN O MUTE	O	LINE OUT mute output
11	HP SW	I	Headphone insertion detect input
12, 13	JOG A, JOG B	I	JOG DIAL input
14	TAPE H	O	TAPE FUNCTION LED control output
15	LINE H	O	LINE FUNCTION LED control output
16	CD H	O	CD FUNCTION LED control output
17	RA H	O	RADIO FUNCTION LED control output
18, 19	ISS-1, ISS-2	O	ISS selection output during AM recording.
20	BIAS	O	Tape bias oscillation ON/OFF output
21	REC	O	Tape REC/PB selection output
22	PB MUTE	O	Tape playback mute output
23	B/PRI	O	Tape deck A/B selection output
24	AMS	I	Music exist/non-exist detection input during tape AMS
25	AU CE	O	Electronic volume's chip enable output
26	AU DATA	O	Electronic volume serial data output
27	AU CLK	O	Electronic volume serial clock output
28	LN I MUTE	O	LINE IN mute output
29	SHIFT. CLK	O	Shift clock control output during TU
30	RST	I	Reset input
31	EXTAL	I	4.19 MHz oscillation input
32	XTAL	O	4.19 MHz oscillation output
33	VSS	—	GND
34	TX	O	32.768 MHz oscillation output
35	TEX	I	32.768 MHz oscillation input
36	AVSS	—	AD GND
37	AVREF	I	AD reference voltage input
38-42	KEY1 - KEY5	I	Key input
43	BATT - CHK	I	Tape deck low voltage detection input
44	CD DOOR	I	CD tray status detection input (AD)
45	CHILDREN MODEL	I	Model destination setting input
46	REG - CHK	I	Set power check input
47	LCD C/D	O	LCD command/data selection output
48	LCD CLK	O	LCD clock line output
49	LCD CE	O	LCD chip enable output
50	LCD DATA	O	LCD data line output
51	CD SQCK	O	CD SUBQ clock output
52	CD SQSO	I	CD SUBQ data input
53	AU MUTE	O	Audio mute output
54	B END	I	Tape deck (B), tape end detection input
55	A END	I	Tape deck (A), tape end detection input
56	RMC	I	Remote control signal input

Pin No.	Pin Name	I/O	Description
57	DC - CHK	I	Battery exist/non-exist detection input
58	B/L CON	O	Back-light ON/OFF output
59	PA STBY	O	Power amplifier ON/OFF output
60	WAKE UP	I	Key interrupt input port (INT)
61	CD. SCOR	I	CD SCOR input port (INT)
62	TC MOT CNT	O	Tape deck motor ON/OFF output
63	P CON	O	Power control output
64	9K/10K	—	Not used
65	B PL CNT	O	Tape deck (B) solenoid plunger control output
66	B H POS	I	Tape deck (B) head position detection input
67	CASSETTE B	I	Tape deck (B) cassette exist/non-exist detection input
68	REC INHIBIT A	I	Tape deck (B) side-A record-inhibit claw detection input
69	REC INHIBIT B	I	Tape deck (B) side-B record-inhibit claw detection input
70	A PL CNT	O	Tape deck (A) solenoid plunger control output
71	A H POS	I	Tape deck (A) head position detection input
72	VDD	—	Power supply voltage (+5V)
73	NC	—	Not used
74	CASSETTE A	I	Tape deck (A) cassette exist/non-exist detection input
75	RA MONO ST	I	Radio stereo/monaural signal input
76	RA CE	O	Radio chip enable output
77	RA CLK	O	Radio clock line output
78	RA DATA	O	Radio data line output
79	RA COUNT	I	Radio IF count input
80	RA MUTE	O	Radio mute output

### 6-2. CIRCUIT BOARDS LOCATION

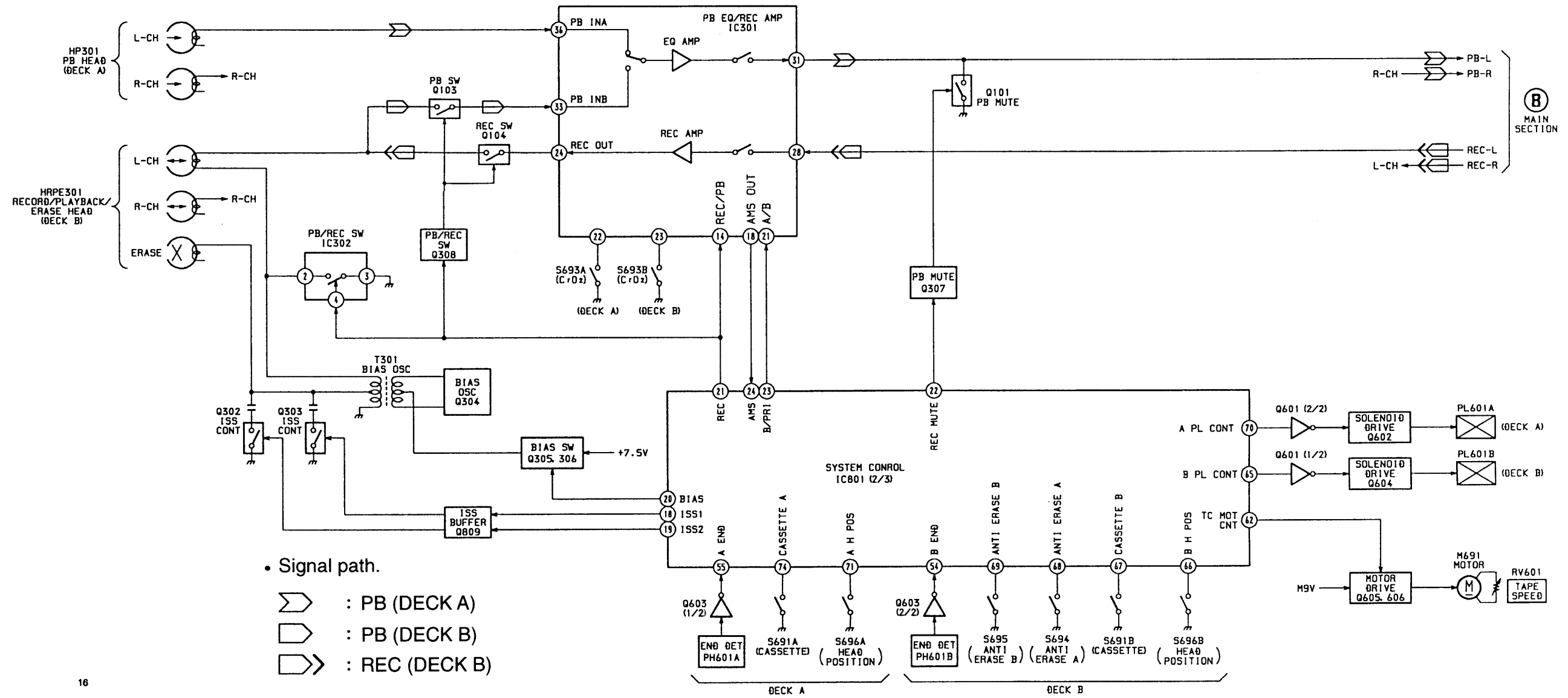


6-3. BLOCK DIAGRAM — MAIN SECTION —



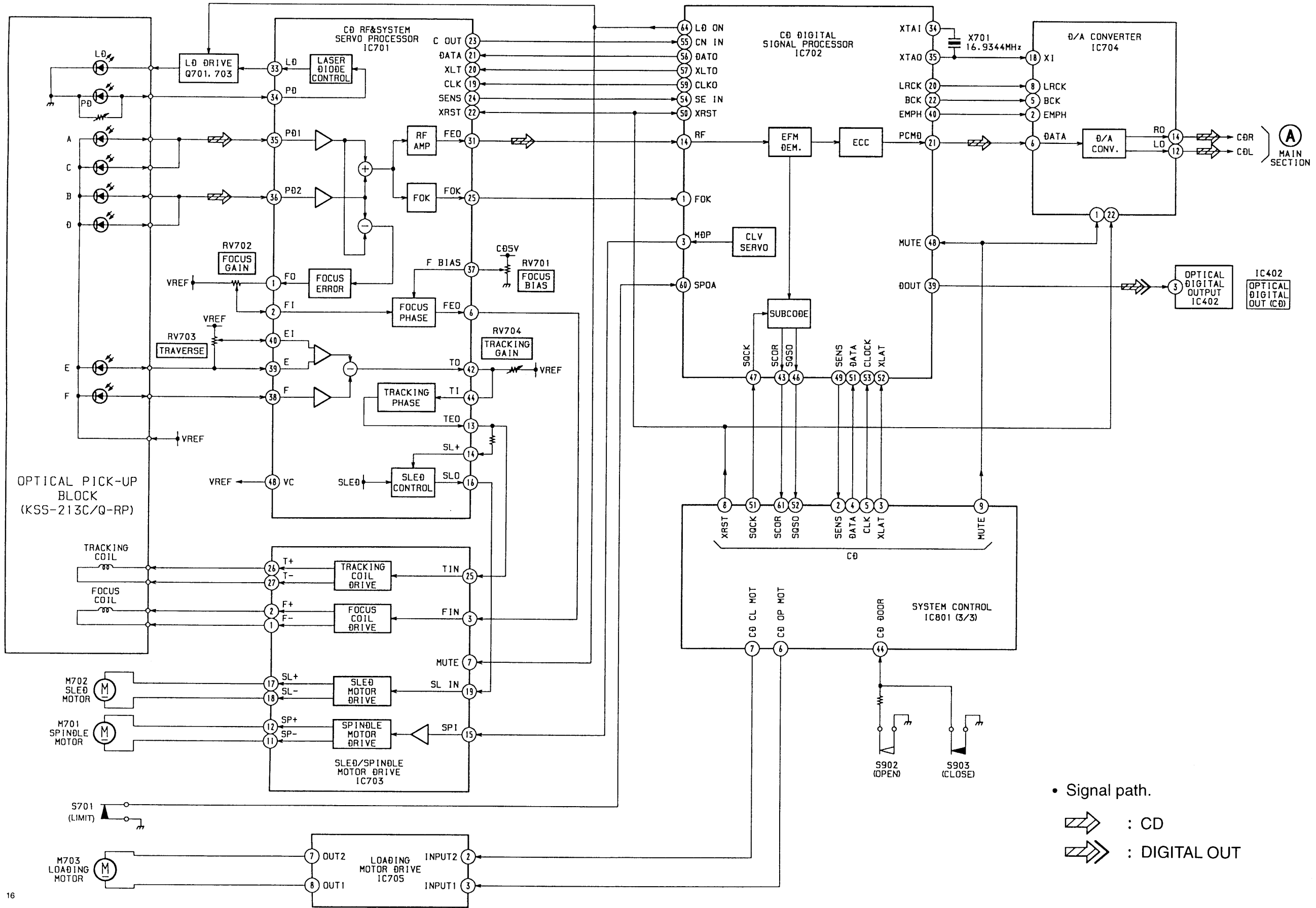


6-4. BLOCK DIAGRAM — TC SECTION —

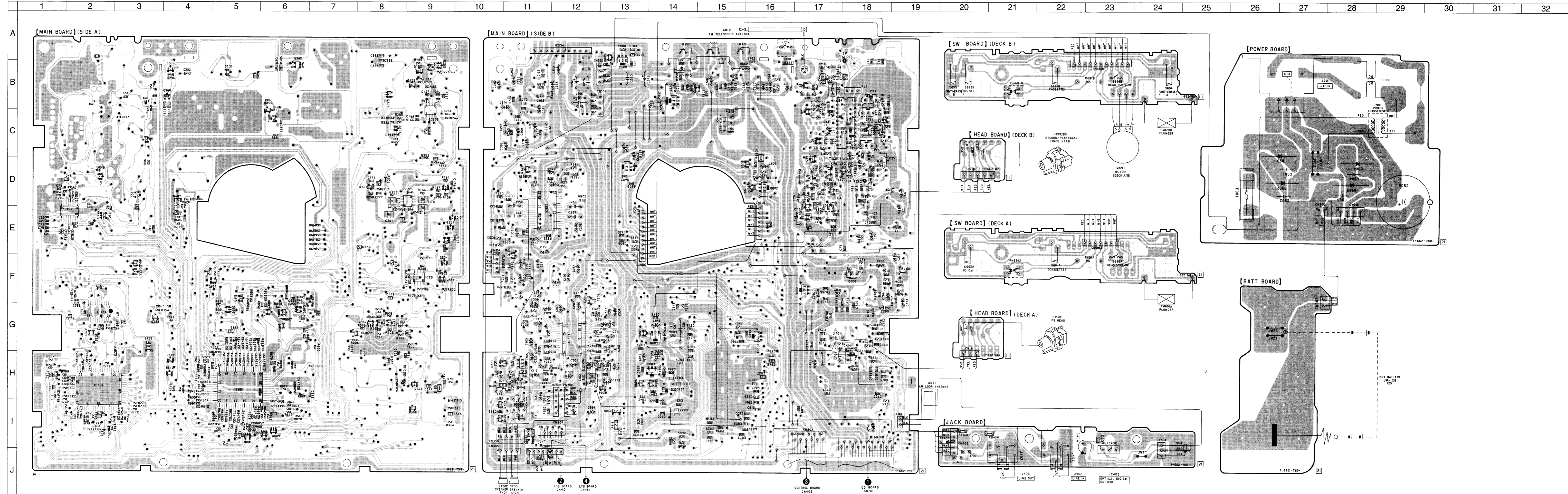


16

6-5. BLOCK DIAGRAM — CD SECTION —



6-6. PRINTED WIRING BOARD — MAIN SECTION — (AEP, UK, IT Model)



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1	B-17	Q7	C-18
D2	B-17	Q50	B-17
D3	E-17	Q51	E-2
D40	B-18	Q52	D-17
D41	B-18	Q53	D-17
D301	B-6	Q54	C-17
D302	B-4	Q55	D-17
D303	B-5	Q56	D-3
D304	C-8	Q101	G-8
D305	B-6	Q103	H-11
D306	B-5	Q104	H-9
D351	B-14	Q151	E-9
D352	B-16	Q152	B-9
D353	D-9	Q153	B-9
D355	B-15	Q154	E-11
D601	E-16	Q161	D-9
D602	D-13	Q201	G-8
D603	D-13	Q203	H-12
D751	G-2	Q204	H-12
D752	G-2	Q251	E-9
D753	G-17	Q252	B-9
D754	G-17	Q253	B-9
D755	G-3	Q254	F-9
D756	G-3	Q261	D-8
D801	G-13	Q302	I-10
D802	F-6	Q303	H-10
D803	G-6	Q304	H-10
D804	G-6	Q305	H-11
D805	B-13	Q306	H-10
D806	F-6	Q307	G-8
D807	G-6	Q308	I-9
D808	A-13	Q351	F-17
D809	G-15	Q352	G-3
D811	G-5	Q353	F-3
D812	H-4	Q354	F-3
D813	H-4	Q355	E-9
D814	I-11	Q356	F-18
D815	I-11	Q357	A-14
D901	C-27	Q358	A-15
D902	D-27	Q359	A-15
D903	D-28	Q360	B-6
D904	C-28	Q361	D-11
		Q362	B-8
		Q364	F-9
		Q365	B-4
		Q366	B-4
		Q601	F-4
		Q602	D-16
		Q603	G-5
		Q604	D-13
		Q605	D-16
		Q606	D-15
		Q801	I-5
		Q802	I-5
		Q803	G-6
		Q804	G-6
		Q805	H-13
		Q806	H-13
		Q807	C-6
		Q808	B-14
		Q809	I-6
		Q810	H-4
		Q811	B-6
		Q812	F-5
		Q813	B-13

**Note:**  
 • : Parts extracted from the component side.  
 • : Parts extracted from the conductor side.  
 • : Pattern from the side which enable seeing.

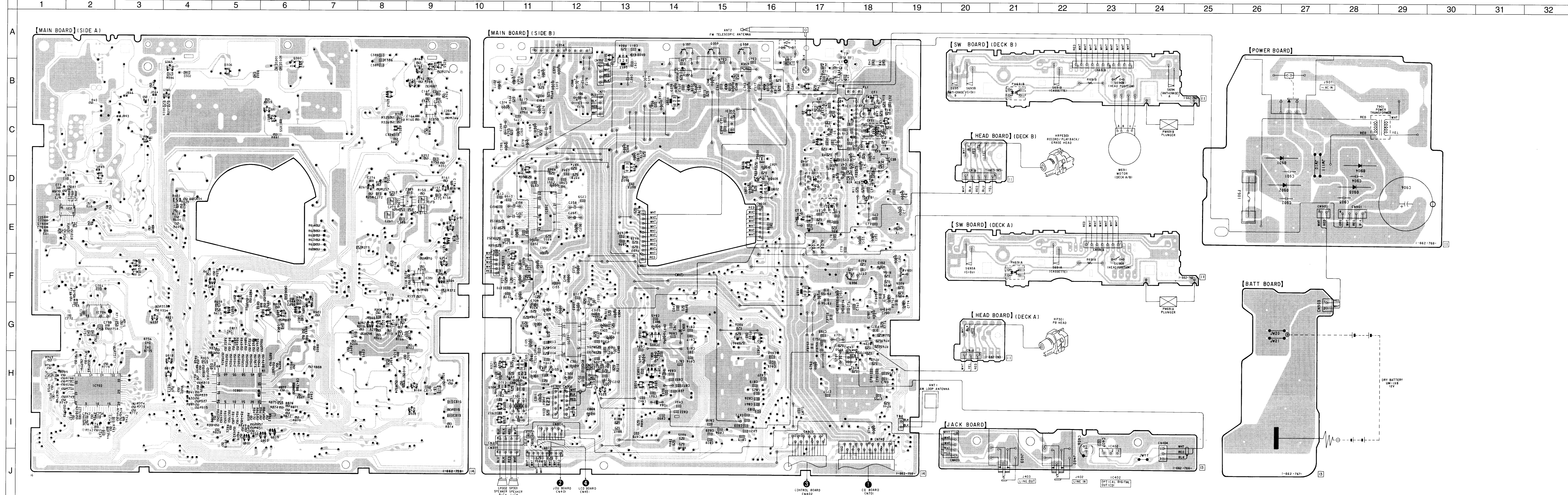
• Abbreviation  
 IT : Italian model

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1	B-17	Q1	D-18
D2	C-17	Q3	C-17
D3	E-17	Q4	C-3
D40	B-18	Q5	D-2
D41	B-18	Q7	C-18
D301	B-6	Q101	G-8
D302	B-4	Q103	H-11
D303	B-5	Q104	H-9
D304	C-8	Q151	E-9
D305	B-6	Q152	B-9
D306	B-5	Q153	B-9
D351	B-14	Q154	E-11
D352	B-16	Q161	D-9
D353	D-9	Q201	G-8
D355	B-15	Q203	H-12
D601	E-16	Q204	H-13
D602	D-13	Q251	E-9
D603	D-13	Q252	B-9
D751	G-2	Q253	B-9
D752	G-2	Q254	F-9
D753	G-17	Q261	D-8
D754	G-17	Q302	I-10
D755	G-17	Q303	I-10
D756	G-3	Q304	H-11
D801	C-13	Q305	H-11
D802	F-4	Q306	H-11
D803	G-6	Q307	G-8
D804	G-6	Q308	I-9
D805	A-13	Q351	F-17
D806	F-6	Q352	G-3
D807	G-6	Q353	F-3
D808	A-13	Q354	F-3
D809	G-16	Q355	E-9
D811	G-5	Q356	F-18
D812	H-4	Q357	A-14
D813	H-4	Q358	A-15
D814	I-11	Q359	A-15
D901	I-11	Q360	B-6
D902	C-27	Q361	D-11
D903	D-27	Q362	B-8
D904	C-28	Q364	F-9
		Q365	B-4
		Q366	B-4
IC1	C-18	Q601	F-4
IC2	E-2	Q602	D-16
IC301	G-12	Q603	G-5
IC302	H-12	Q604	D-13
IC351	F-9	Q605	D-16
IC352	E-11	Q606	D-16
IC353	B-9	Q801	I-5
IC354	A-12	Q802	I-6
IC355	C-15	Q803	G-6
IC356	D-8	Q804	G-6
IC402	I-23	Q805	H-14
IC702	H-2	Q806	H-13
IC704	G-2	Q807	C-6
IC801	H-5	Q808	B-14
IC805	G-14	Q809	I-6
IC806	H-14	Q810	H-4
IC807	G-16	Q811	B-6
		Q812	F-5
		Q813	B-13

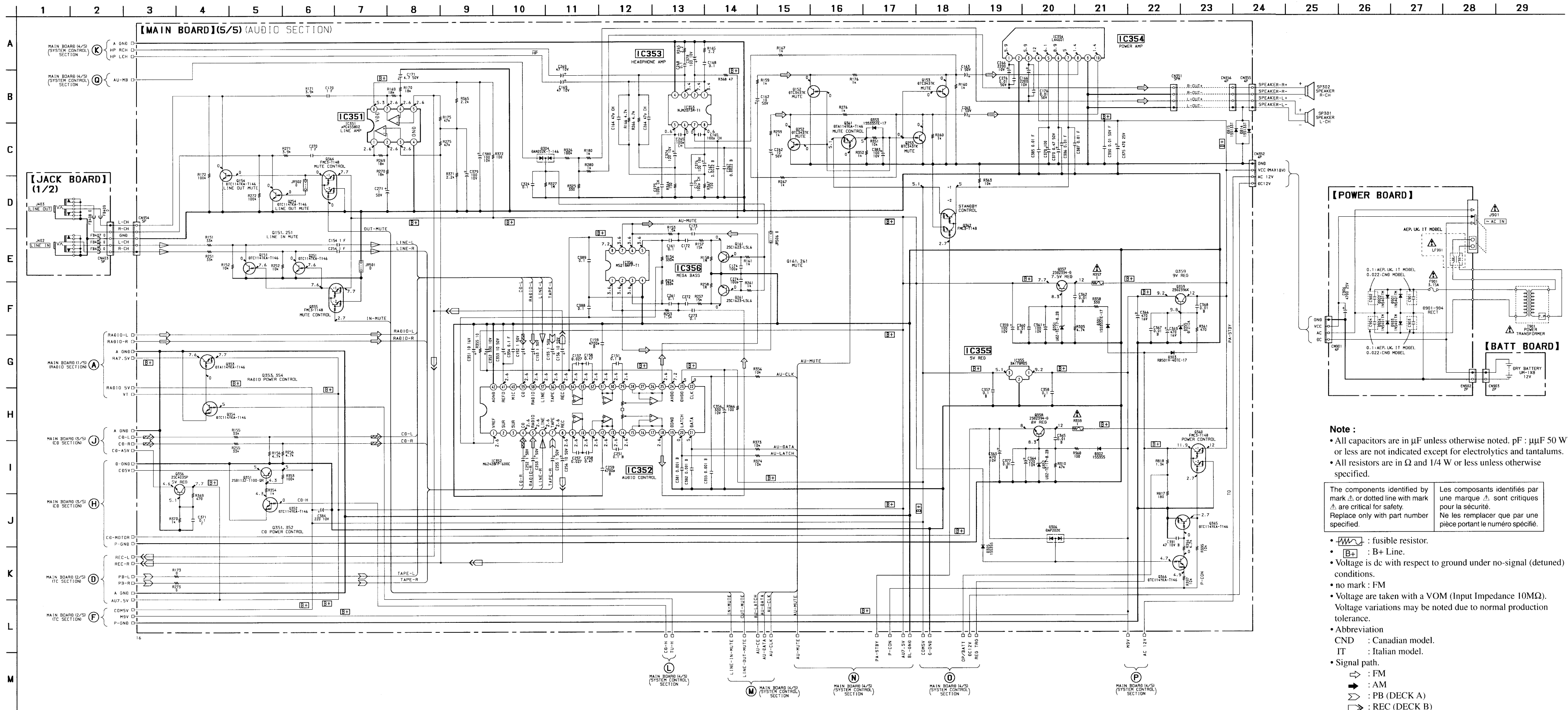
Note:  
 • : Parts extracted from the component side.  
 — : Parts extracted from the conductor side.  
 — : Pattern from the side which enable seeing.

6-7. PRINTED WIRING BOARD — MAIN SECTION — (Canadian Model)



6-8. SCHEMATIC DIAGRAM — MAIN (AUDIO) SECTION —

• Refer to page 75 for IC Block Diagrams.



**Note :**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$  :  $\mu\text{F}$  50  $\text{V}$  or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.

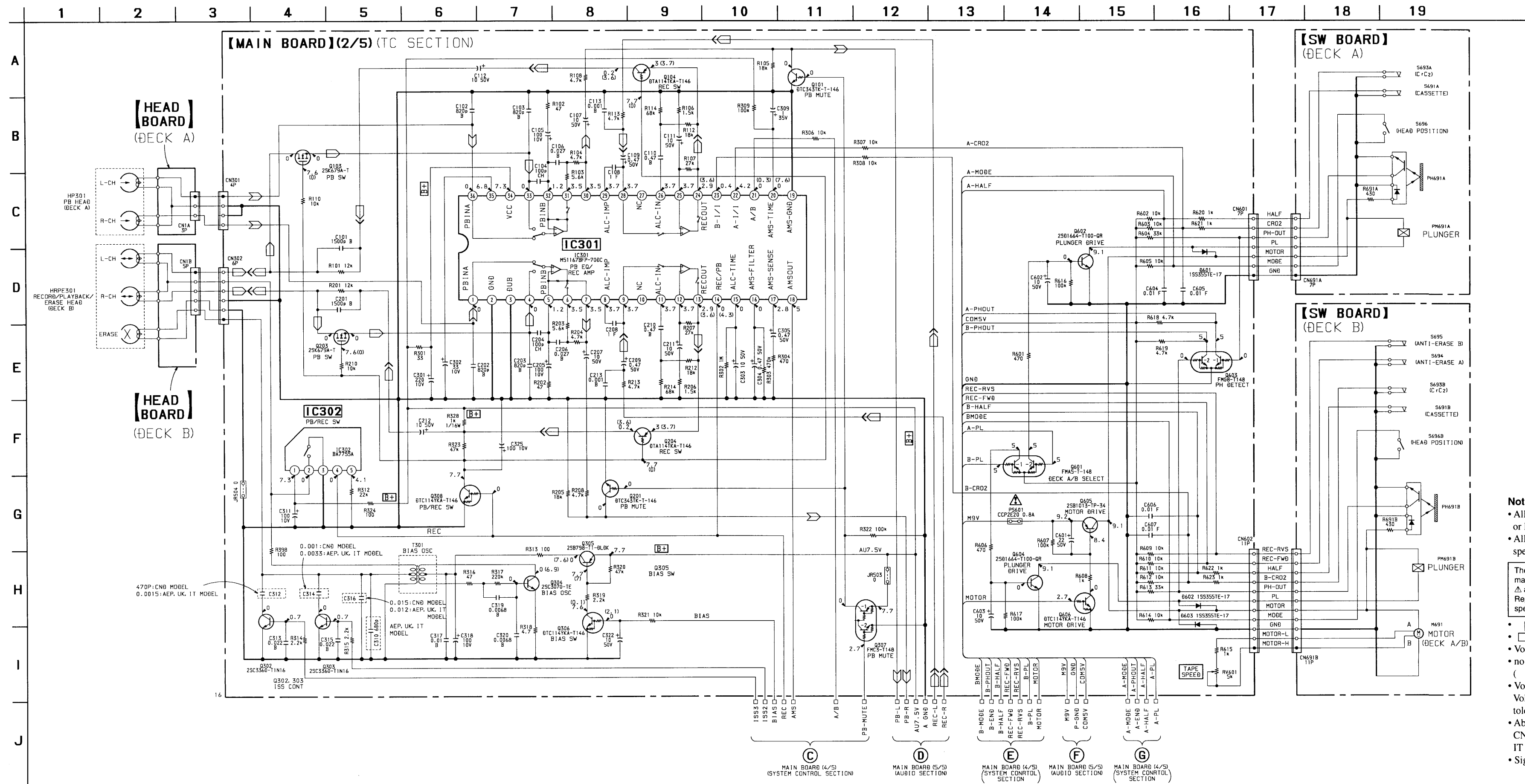
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

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

- $\text{---/---}$  : fusible resistor.
- $\text{---|---}$  : B+ Line.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- Voltage are taken with a VOM (Input Impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerance.
- Abbreviation  
 CND : Canadian model.  
 IT : Italian model.
- Signal path.  
 $\text{---}$  : FM  
 $\text{---}$  : AM  
 $\text{---}$  : PB (DECK A)  
 $\text{---}$  : REC (DECK B)  
 $\text{---}$  : CD  
 $\text{---}$  : LINE



6-10. SCHEMATIC DIAGRAM — MAIN (TC) SECTION — Refer to page 75 for IC Block Diagrams.



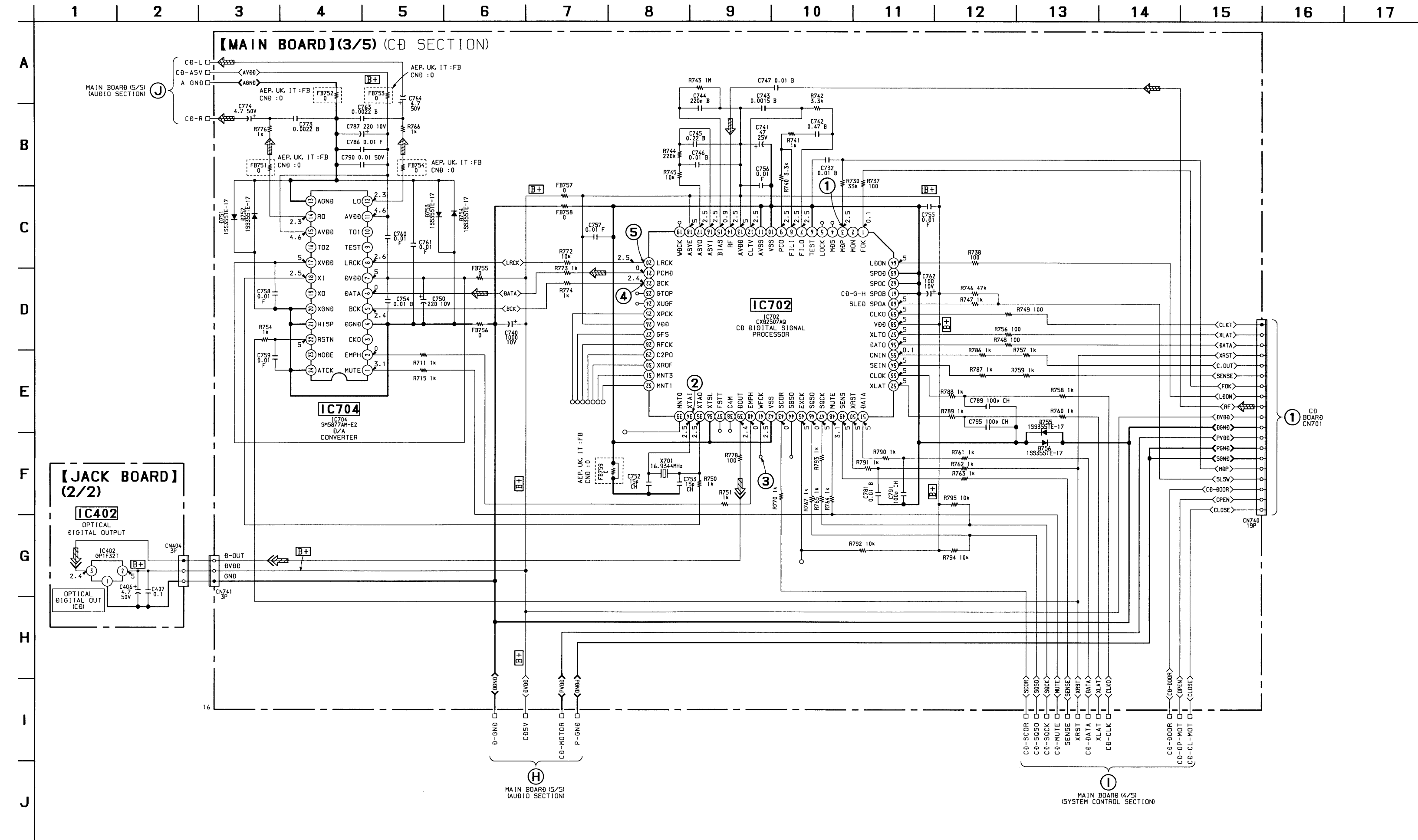
**Note :**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$  :  $\mu\text{F}$  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.

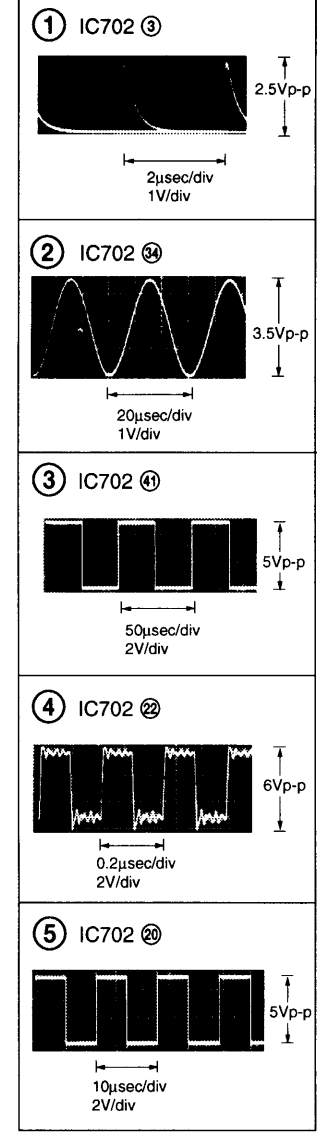
The components identified by mark $\Delta$ or dotted line with mark $\Delta$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\Delta$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
--	---

- $\square$  : B+ Line.
- $\square$  : adjustment for repair.
- Voltage is dc with respect to ground under no-signal conditions.
- no mark : PB (DECK A)
- ( ) : REC (DECK B)
- Voltage are taken with a VOM (Input Impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerance.
- Abbreviation  
 CND : Canadian model.  
 IT : Italian model.
- Signal path.  
 $\Rightarrow$  : PB (DECK A)  
 $\square$  : PB (DECK B)  
 $\Rightarrow$  : REC (DECK B)

6-11. SCHEMATIC DIAGRAM — MAIN (CD) SECTION — Refer to page 75 for IC Block Diagrams.



Waveforms (MODE:PLAY)



**Note :**

- 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 1/4 W or less unless otherwise specified.

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

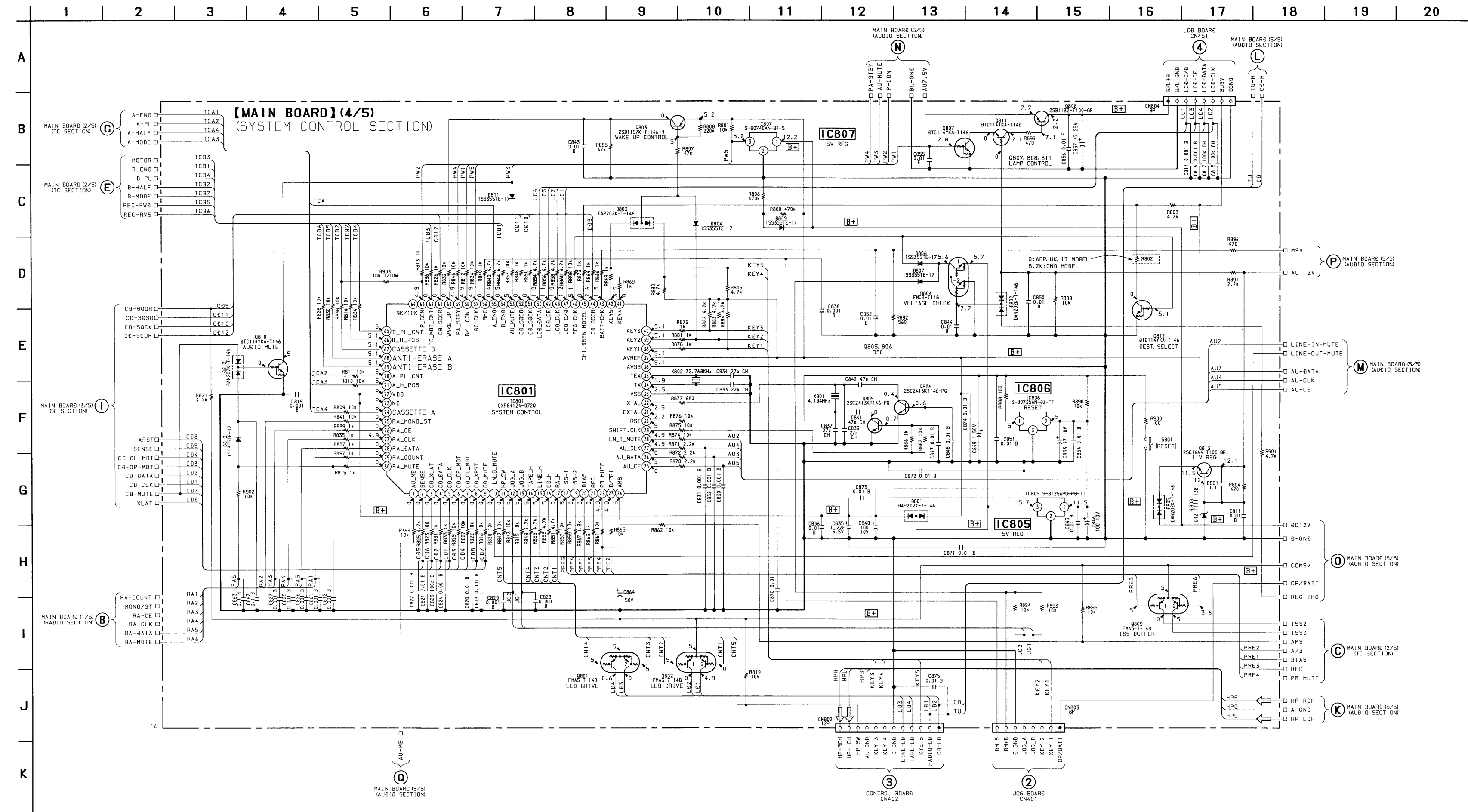
Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- [B+] : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- no mark : CD PLAY
- Voltage are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerance.
- Waveforms are taken with an oscilloscope.
- Circled numbers refer to waveforms.
- Abbreviation  
CND : Canadian model.  
IT : Italian model.
- Signal path.  
⇒ : CD  
⇒ : DIGITAL OUT



6-12. SCHEMATIC DIAGRAM — MAIN (SYSTEM CONTROL) SECTION —

• Refer to page 75 for IC Block Diagrams.



**Note :**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF :  $\mu\text{F}$  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.
- [B+] : B+ Line.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- Voltage are taken with a VOM (Input Impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerance.
- Abbreviation  
CND : Canadian model.  
IT : Italian model.
- Signal path.  
⇒ : FM

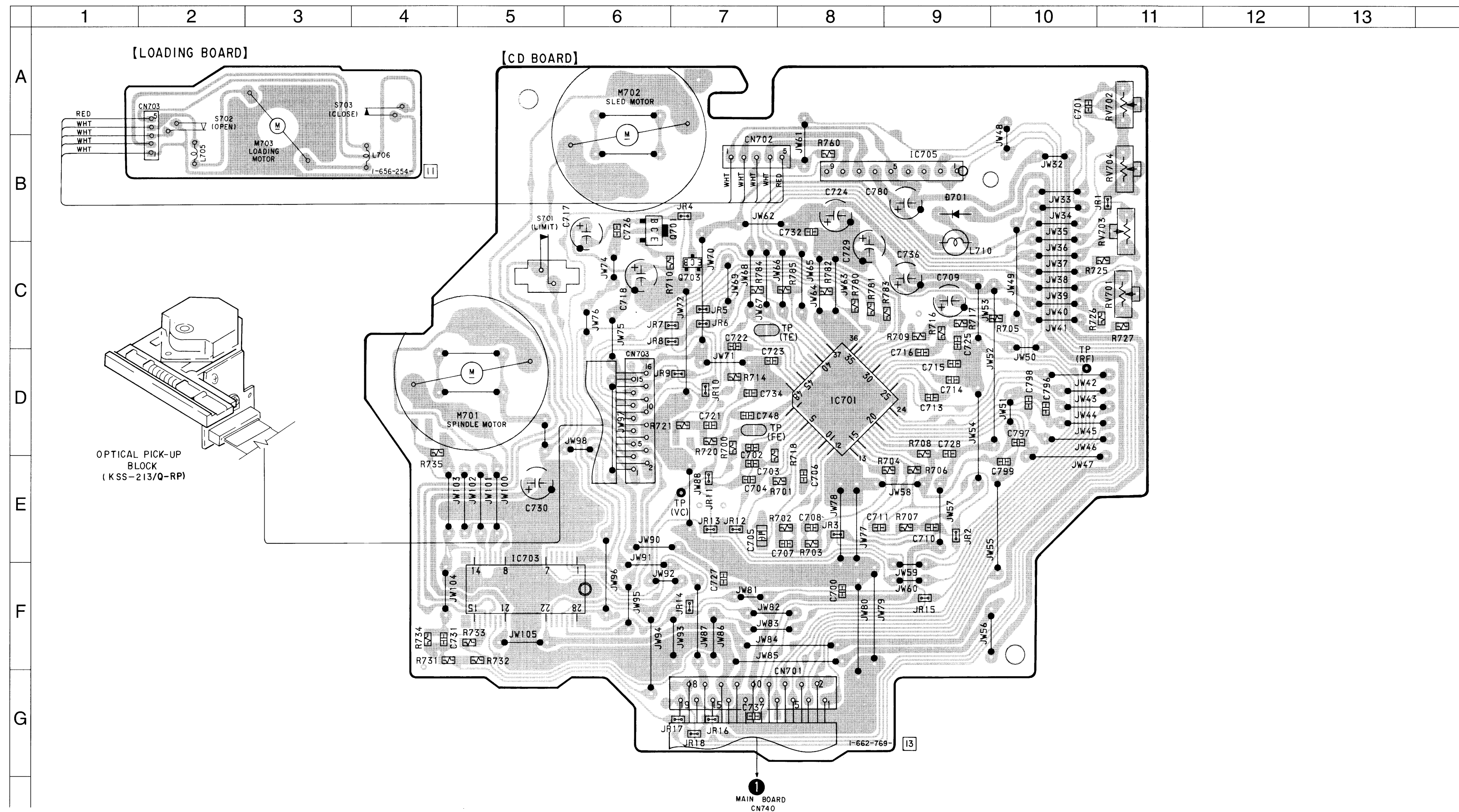
6-13. PRINTED WIRING BOARD — CD SECTION —

• Semiconductor Location

Ref. No.	Location
D701	B-9
IC701	D-8
IC703	F-5
IC705	B-9
Q701	B-6
Q703	C-7

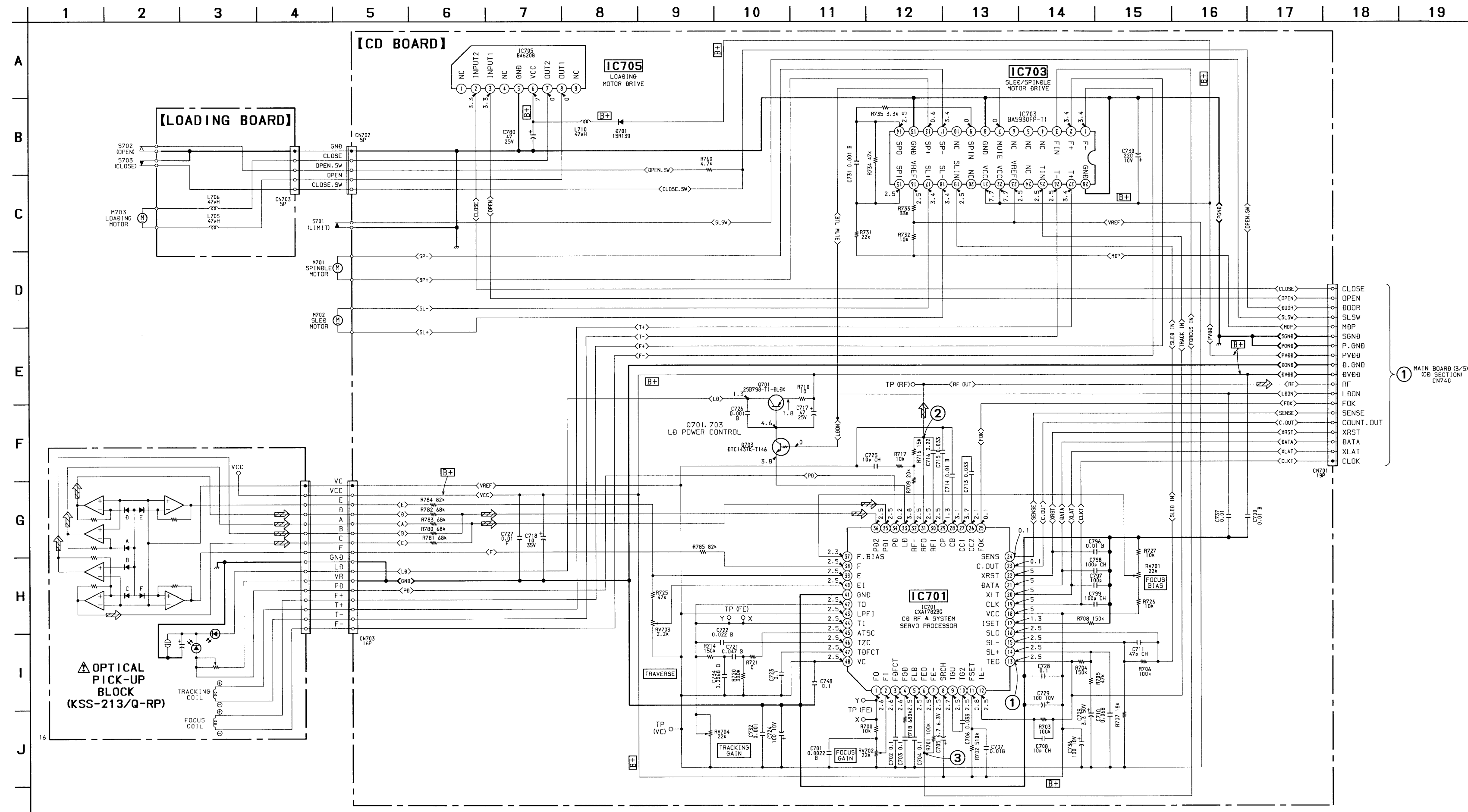
Note:

- : Parts extracted from the component side.
- : Pattern from the side which enable seeing.

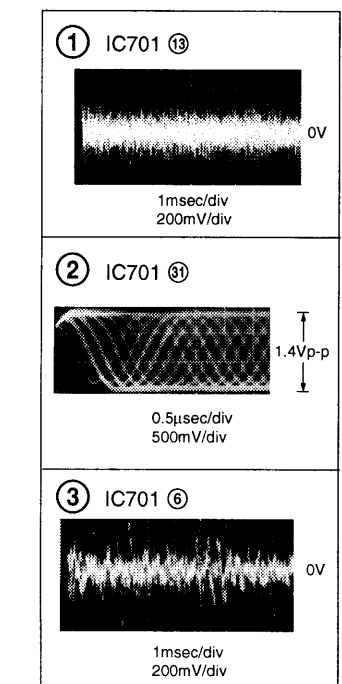


6-14. SCHEMATIC DIAGRAM — CD SECTION —

• Refer to page 75 for IC Block Diagrams.



• Waveforms (MODE:PLAY)



**Note :**  
 • 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 1/4 W or less unless otherwise specified.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.  
 Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

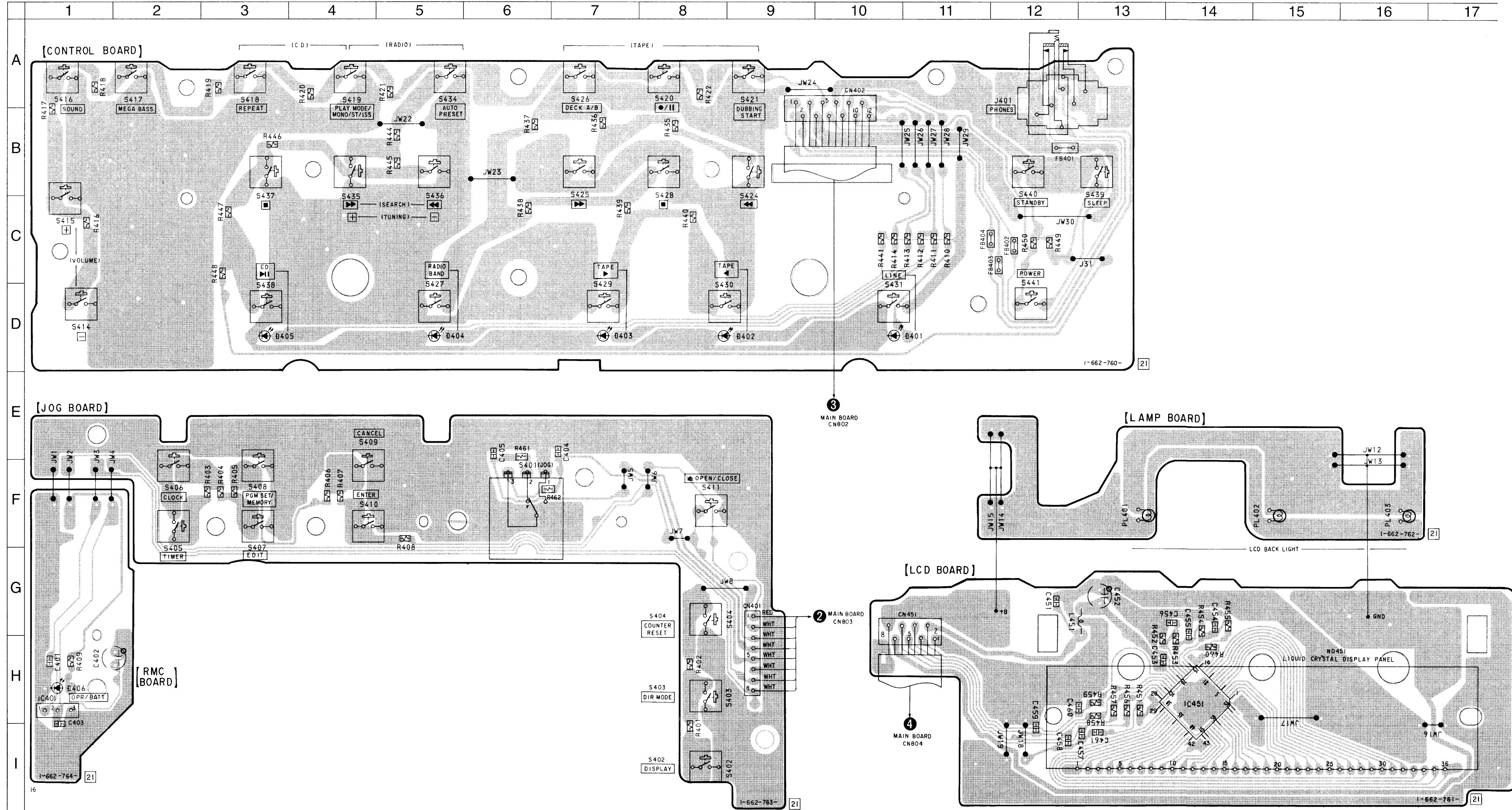
- B+ : B+ Line.
- [ ] : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- no mark : CD PLAY
- Voltage are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerance.
- Waveforms are taken with an oscilloscope.
- Circled numbers refer to waveforms.
- Abbreviation  
 CND : Canadian model.  
 IT : Italian model.
- Signal path  
 [ ] : CD

6-15. PRINTED WIRING BOARD — PANEL SECTION — (AEP, UK, IT Model)

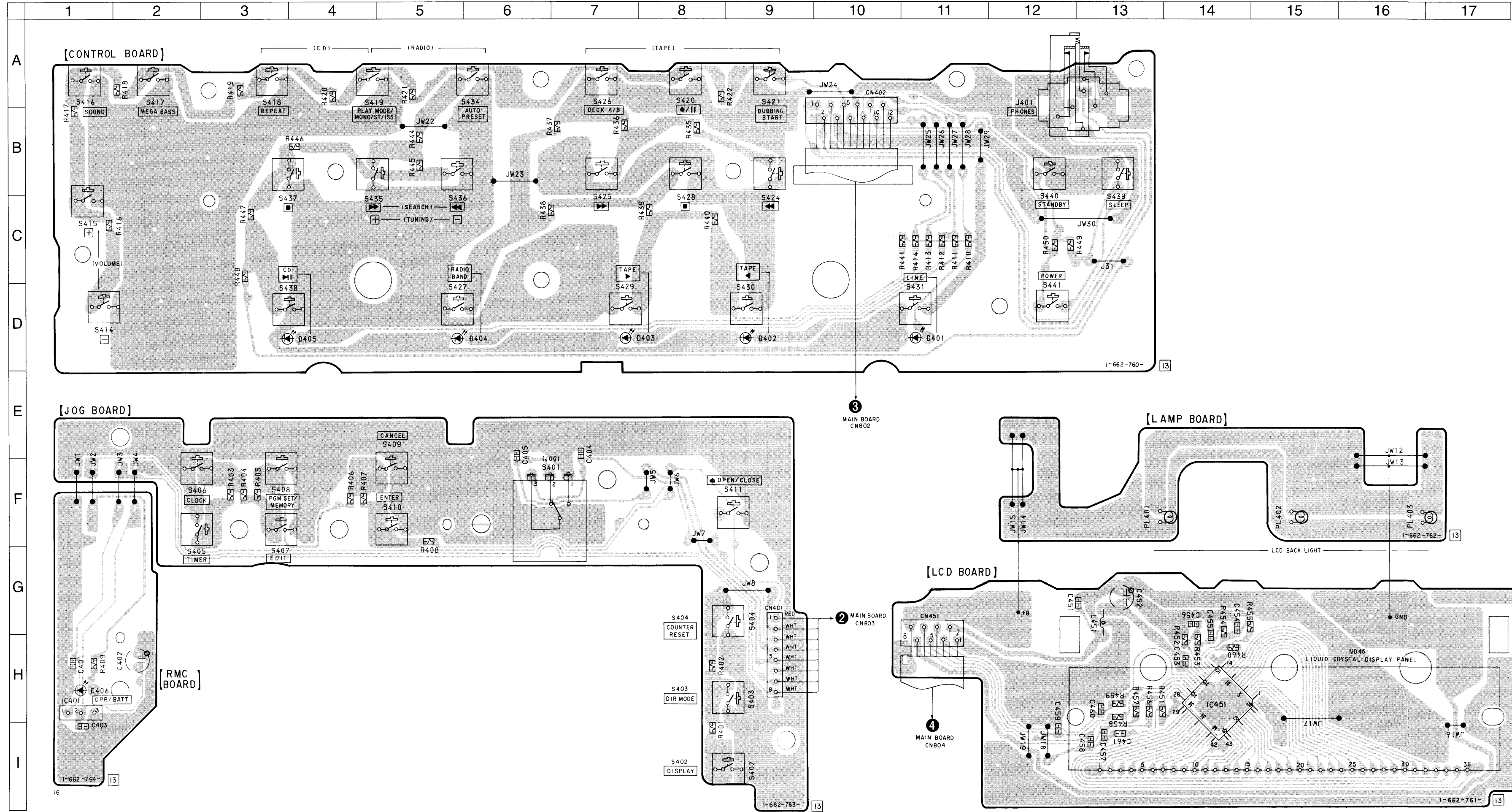
• Semiconductor Location

Ref. No.	Location
D401	D-11
D402	D-9
D403	D-7
D404	D-5
D405	D-3
D406	H-1
IC401	H-1
IC451	H-14

**Note:**  
 • — : Parts extracted from the component side.  
 • — : Pattern from the side which enable seeing.  
 • Abbreviation  
 IT : Italian model



6-16. SCHEMATIC DIAGRAM — PANEL SECTION — (Canadian Model) • Refer to page 75 for IC Block Diagrams.



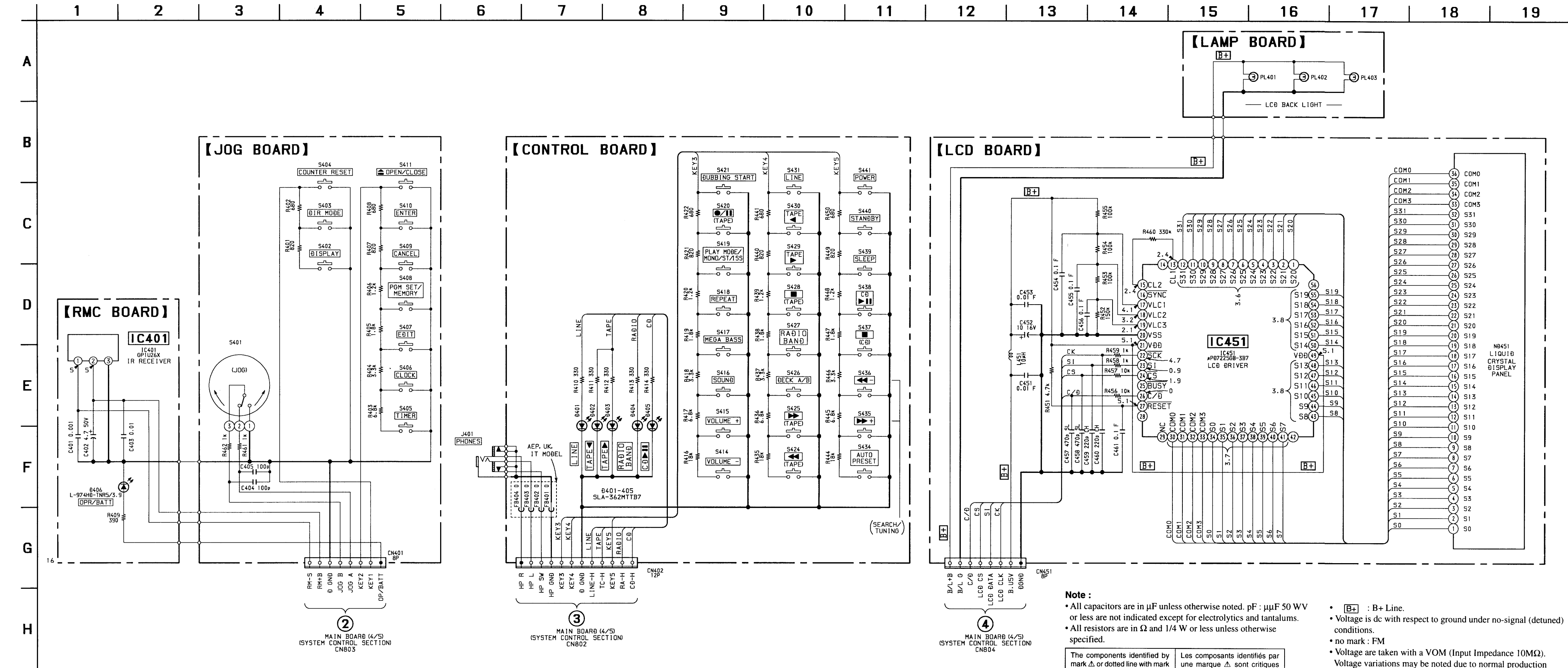
• Semiconductor Location

Ref. No.	Location
D401	D-11
D402	D-9
D403	D-7
D404	D-5
D405	D-3
D406	H-1
IC401	H-1
IC451	H-14

Note:

- — : Parts extracted from the component side.
- — : Pattern from the side which enable seeing.

6-17. SCHEMATIC DIAGRAM — PANEL SECTION —



A  
B  
C  
D  
E  
F  
G  
H

**Note :**  
 • 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 1/4 W or less unless otherwise specified.

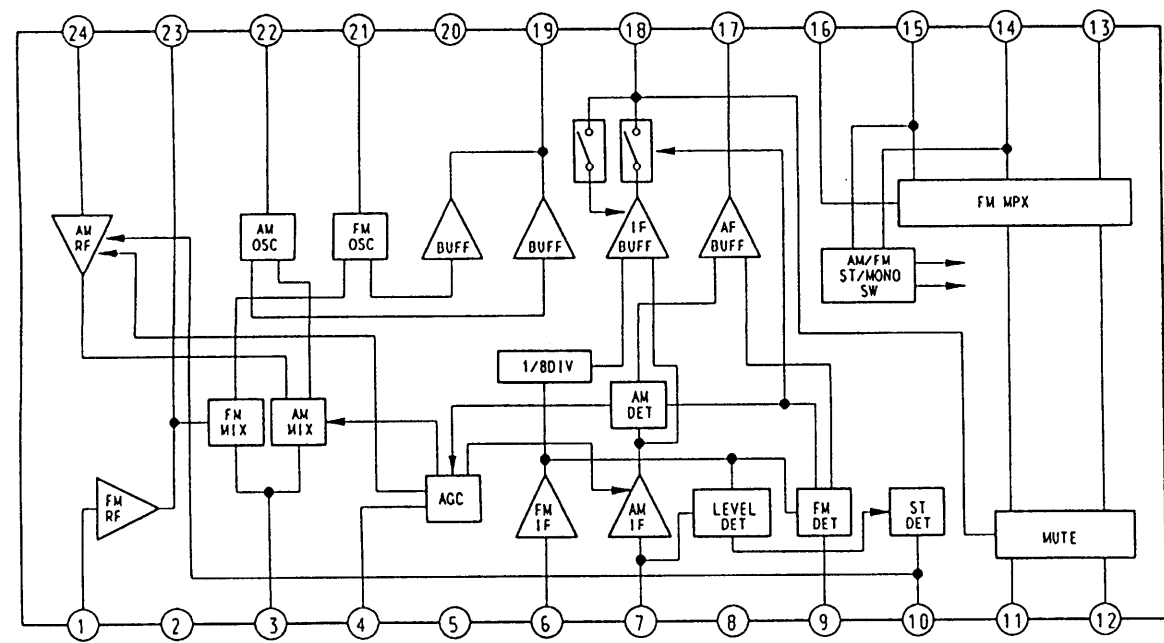
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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

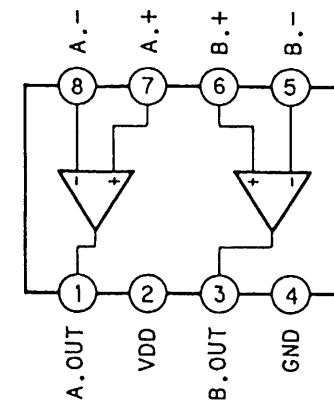
- [B+] : B+ Line.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- Voltage are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerance.
- Abbreviation  
 CND : Canadian model.  
 IT : Italian model.

6-18. IC BLOCK DIAGRAMS

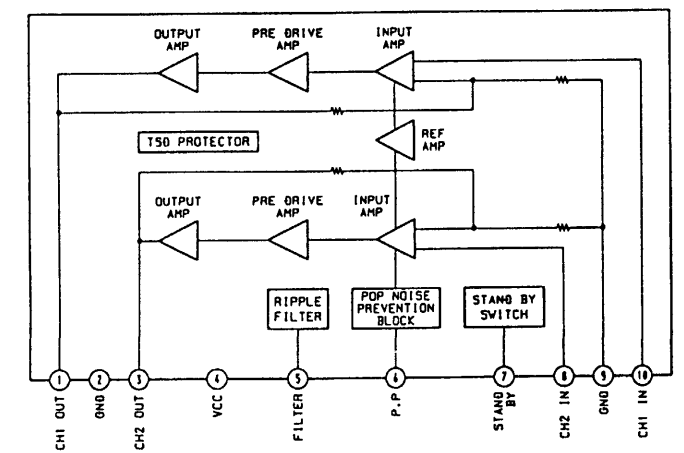
IC1 TA2008AN



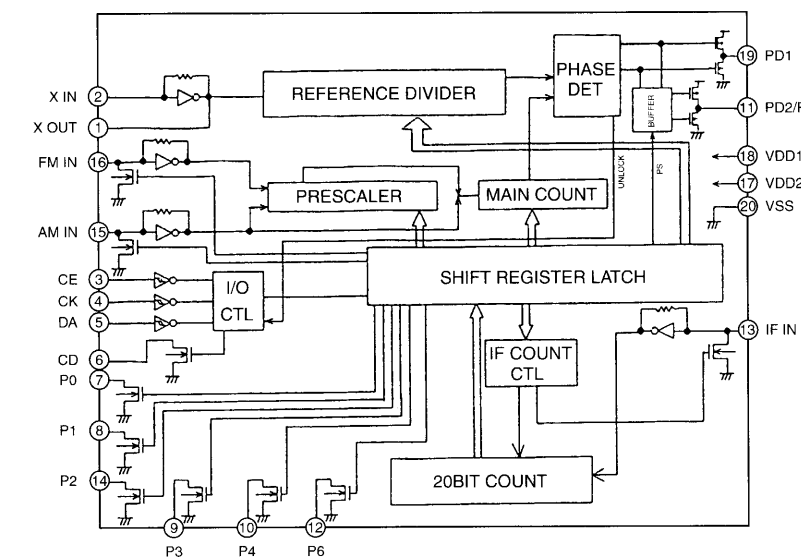
IC353 NJM2073M



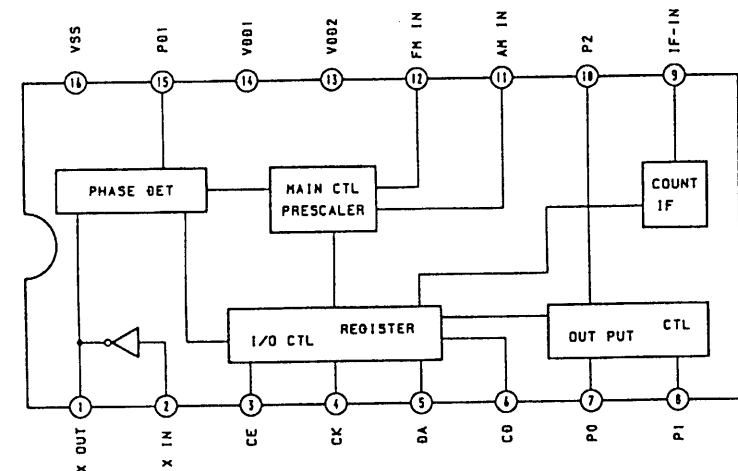
IC354 LA4601



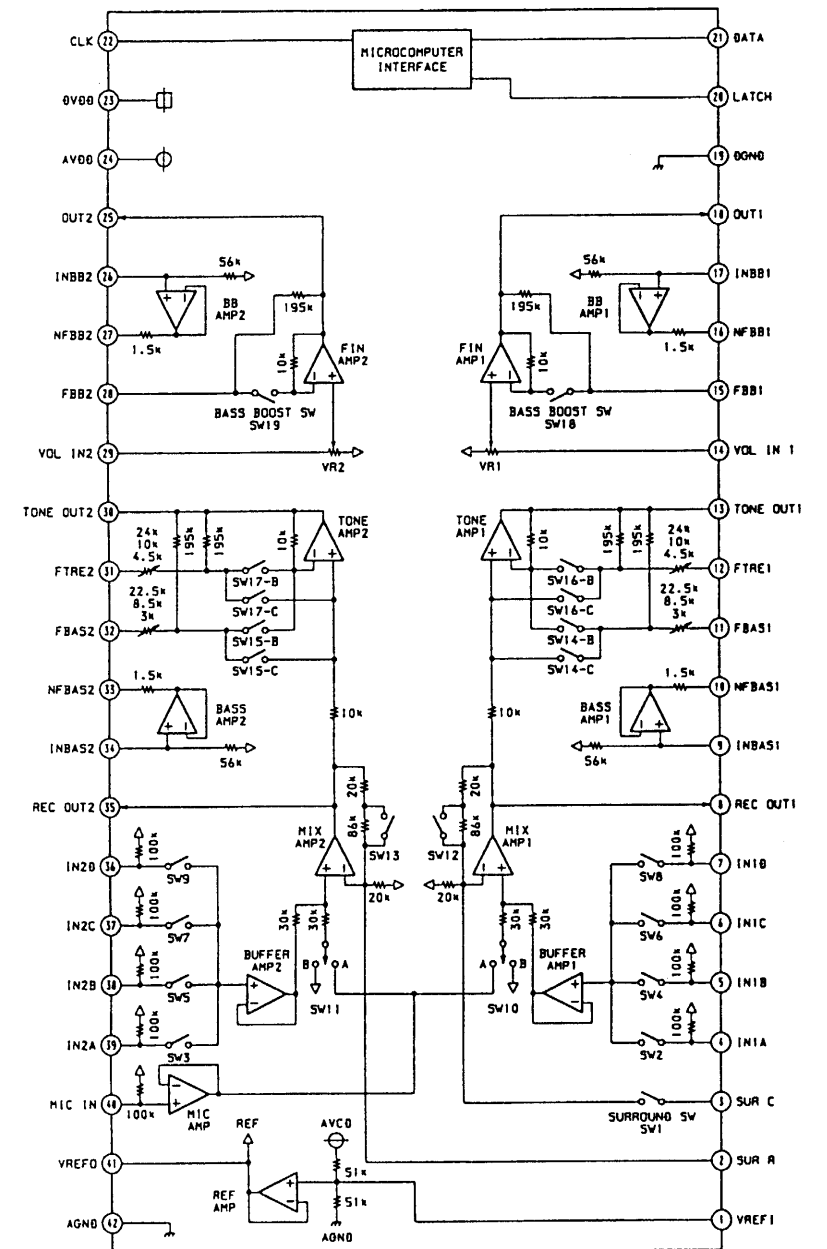
IC2 (AEP, UK, Italian model) BU2614FS



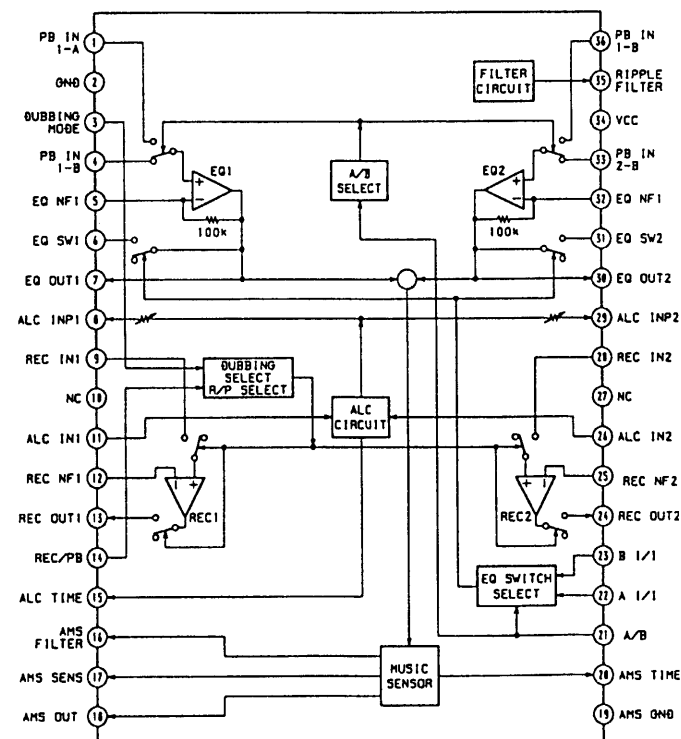
IC2 (Canadian model) BU2614FS



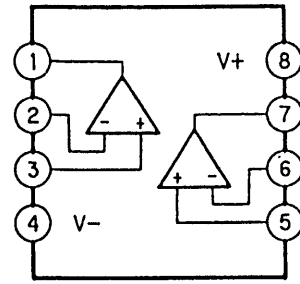
IC352 M62428FP-600C



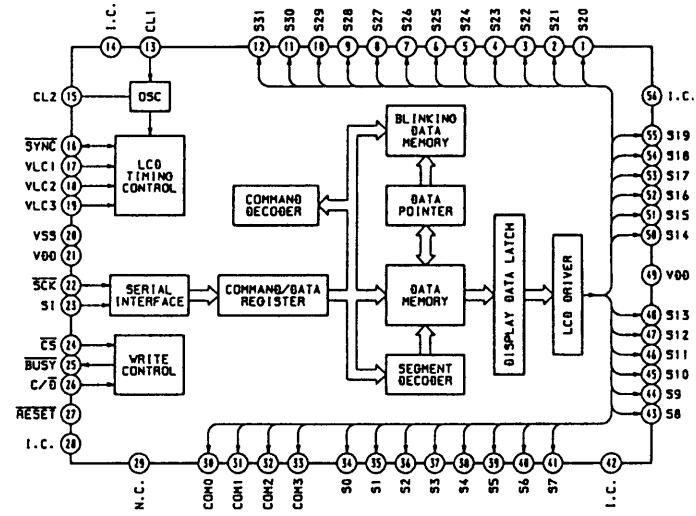
IC301 M51167BFP



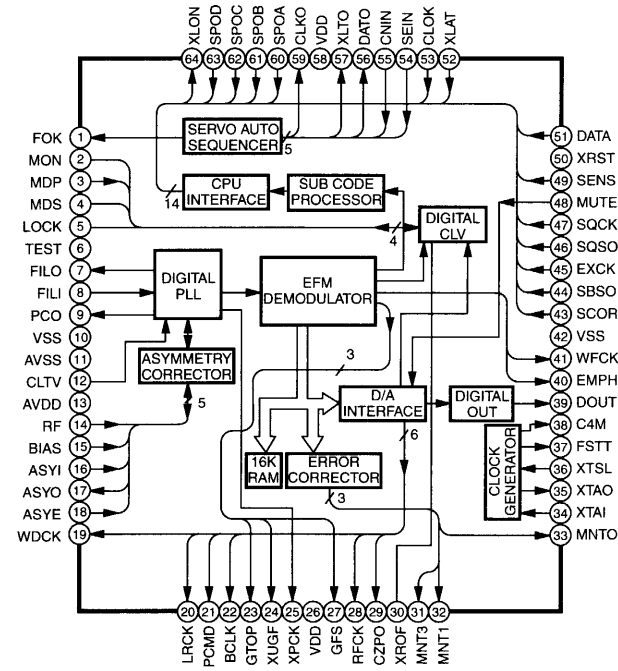
IC356 M5218AFP



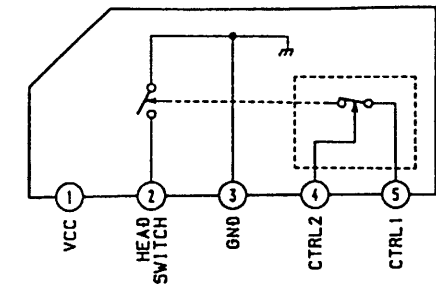
IC451 μPD7225GB-3B7



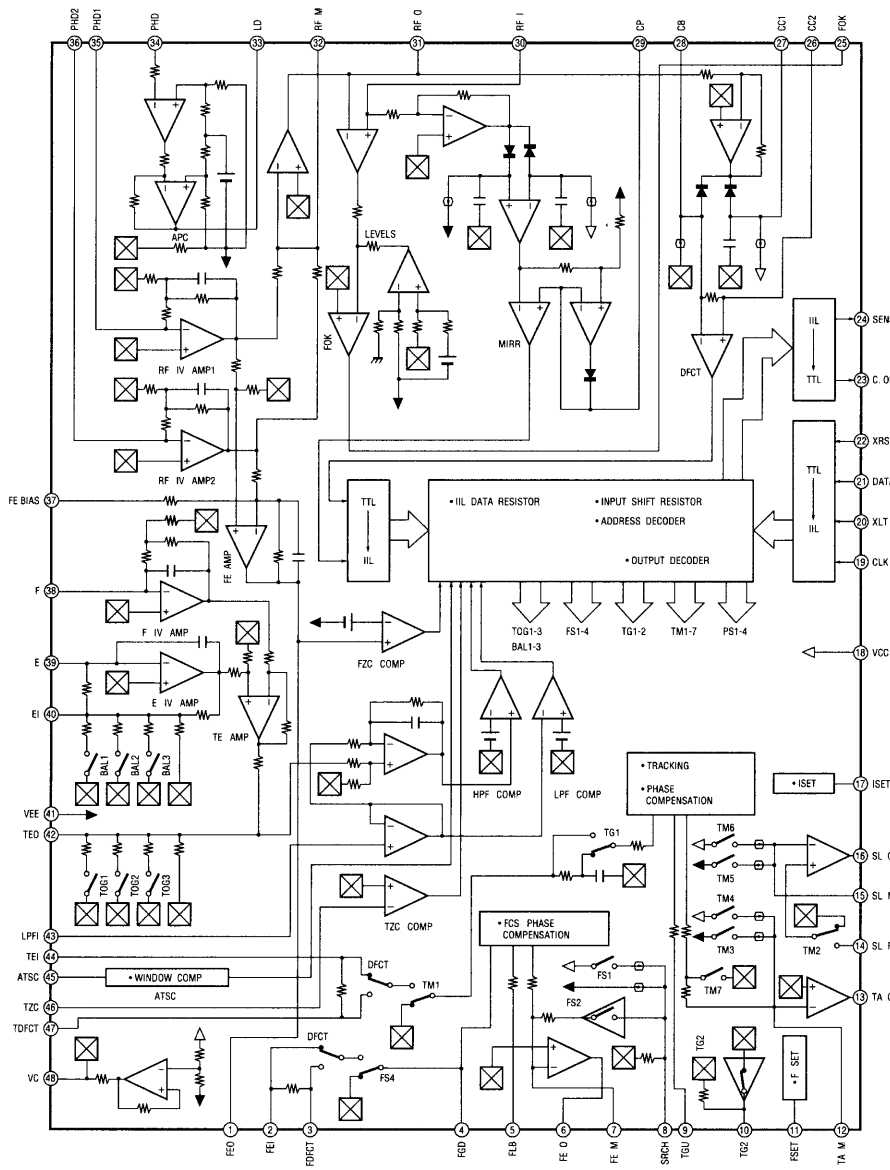
IC702 CXD2507AQ



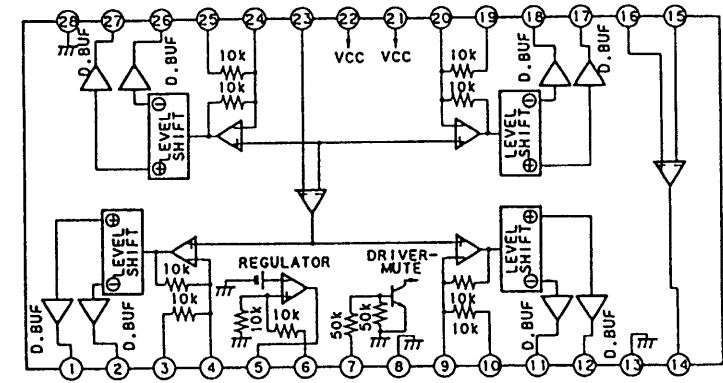
IC705 BA6208



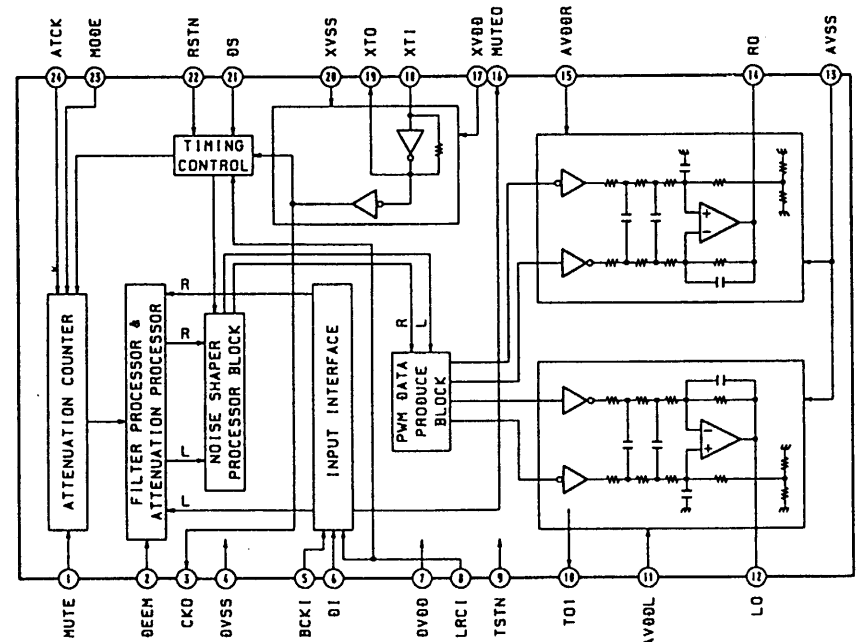
IC701 CXA1782BQ



IC703 BA5930FP



IC704 SM5877AM-E2





## SECTION 7 EXPLODED VIEWS

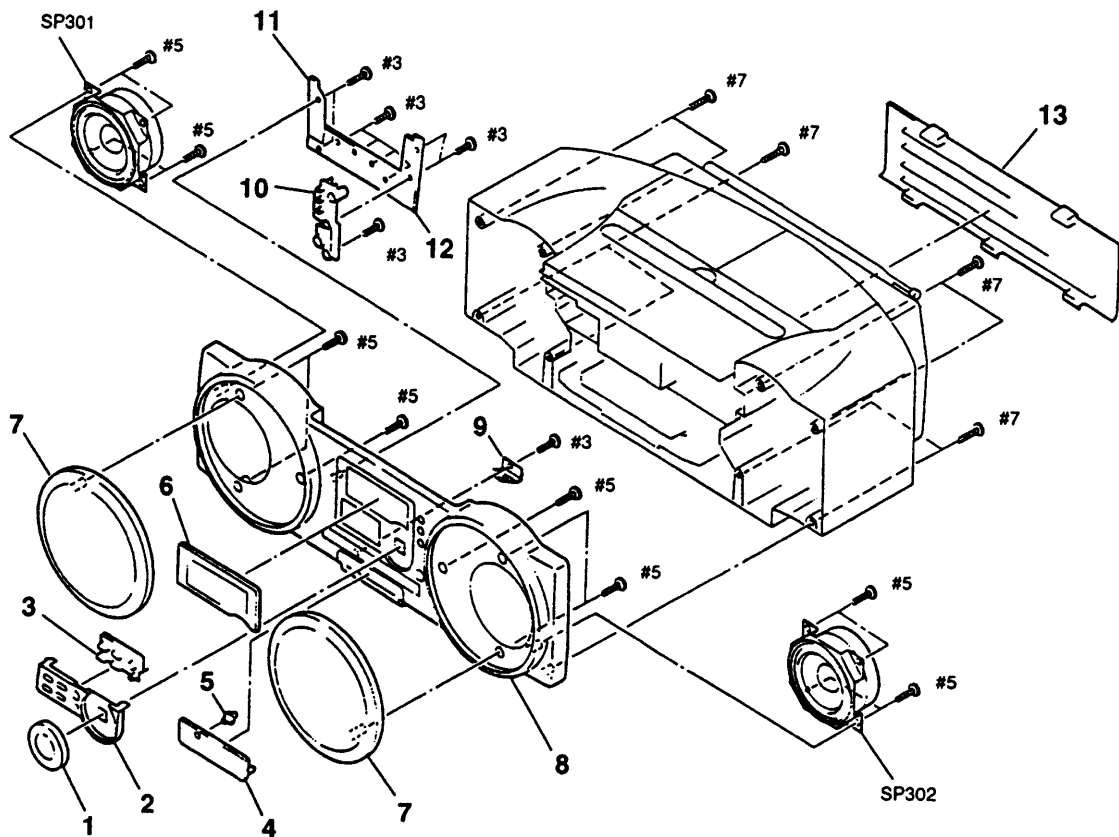
**Note:**

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation  
IT : Italian model  
CND : Canadian model

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

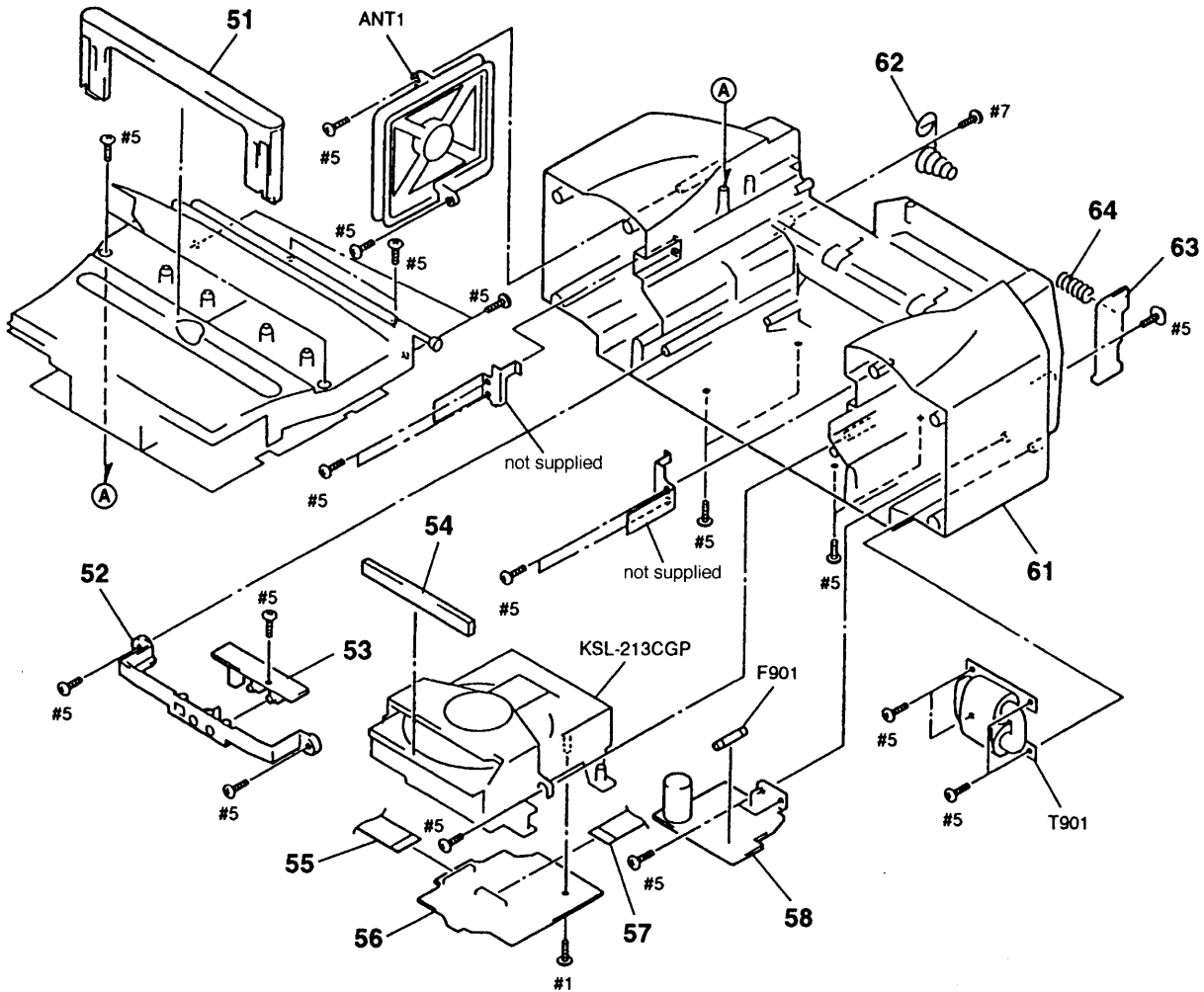
Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

### 7-1. FRONT CABINET SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	3-939-004-01	DIAL, JOG		10	3-939-003-01	BUTTON, DISPLAY	
2	3-939-000-01	PANEL, FRONT		* 11	1-662-764-13	RMC BOARD (CND)	
3	3-939-001-01	BUTTON, TIMER		* 11	1-662-764-21	RMC BOARD (AEP,UK,IT)	
4	3-939-006-01	LID, JACK		* 12	1-662-763-13	JOG BOARD (CND)	
5	3-939-002-01	WINDOW, DIGITAL (OUT)		* 12	1-662-763-21	JOG BOARD (AEP,UK,IT)	
6	3-939-005-01	WINDOW, LCD		13	3-372-420-01	LID, BATTERY CASE	
7	X-3372-624-1	NET ASSY, SP		SP301	1-505-420-11	SPEAKER (8CM)(L-CH)	
8	X-3372-905-1	CABINET (FRONT) ASSY		SP302	1-505-420-11	SPEAKER (8CM)(R-CH)	
9	3-939-037-01	SPRING, JACK LID					

## 7-2. REAR CABINET SECTION

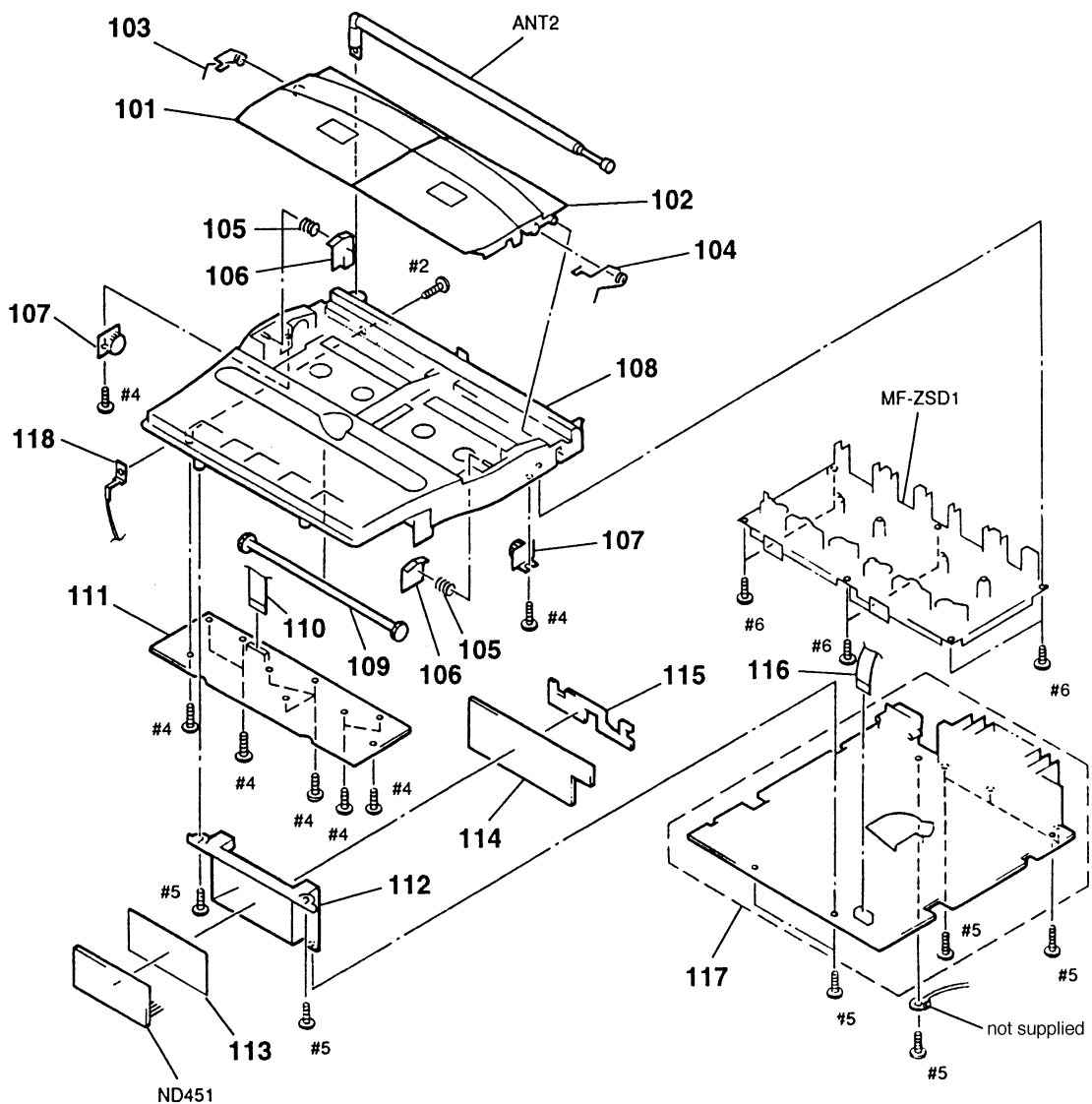


Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	3-939-023-01	HANDLE		61	3-938-998-11	CABINET (REAR) (CND)	
52	3-939-010-01	CHASSIS, JACK		61	3-938-998-21	CABINET (REAR) (AEP,UK,IT)	
* 53	1-662-766-13	JACK BOARD (CND)		62	3-939-011-01	TERMINAL (+ -), BATTERY	
* 53	1-662-766-21	JACK BOARD (AEP,UK,IT)		* 63	1-662-767-13	BATT BOARD (CND)	
54	3-939-009-01	PANEL, CD		* 63	1-662-767-21	BATT BOARD (AEP,UK,IT)	
55	1-777-642-11	WIRE, PARALLEL (FFC) (19 CORE)		64	3-939-012-01	TERMINAL (-), BATTERY	
* 56	A-3293-410-A	CD BOARD, COMPLETE (CND)		ANT1	1-501-862-11	ANTENNA, ROOP (CND)	
* 56	A-3293-413-A	CD BOARD, COMPLETE (AEP,UK,IT)		△ F901	1-533-690-11	FUSE, GLASS CYLINDRICAL (DIA.5)(CND)	
57	1-777-494-11	WIRE, PARALLEL (FFC) (16 CORE)		△ F901	1-532-464-31	FUSE (AEP,UK,IT)	
* 58	1-662-768-13	POWER BOARD (CND)		△ T901	1-431-308-11	TRANSFORMER, POWER (AEP,UK,IT)	
* 58	1-662-768-21	POWER BOARD (AEP,UK,IT)		△ T901	1-431-309-11	TRANSFORMER, POWER (CND)	

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

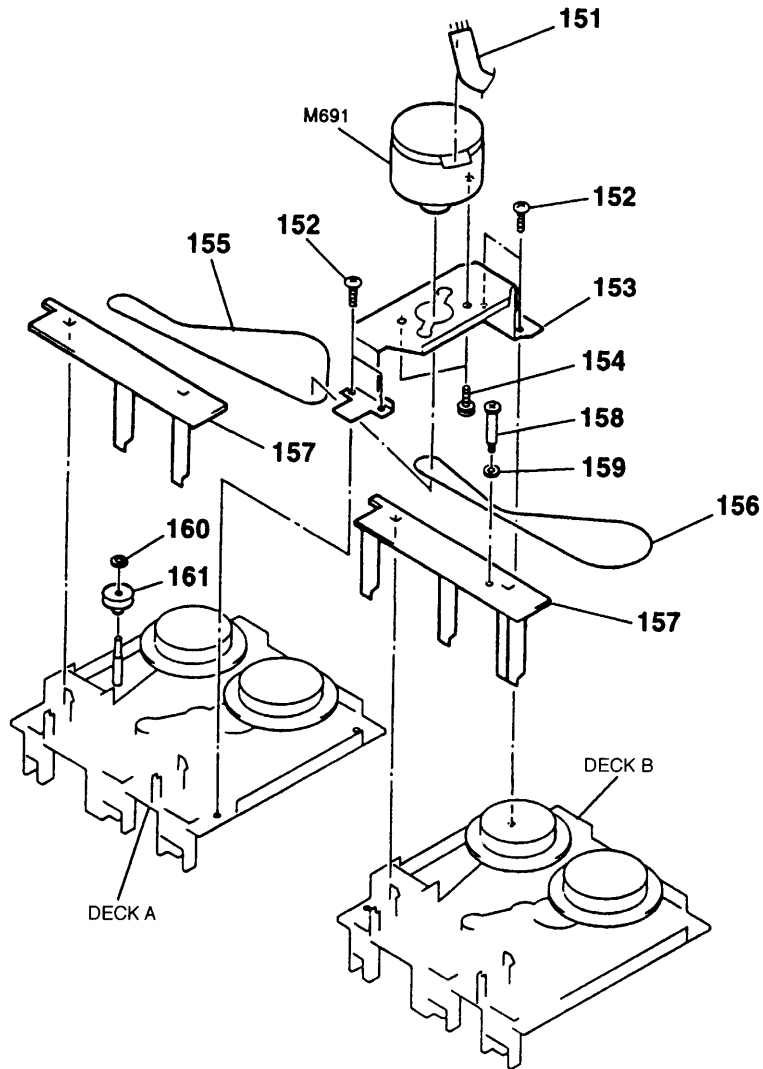
Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-3. UPPER CABINET SECTION



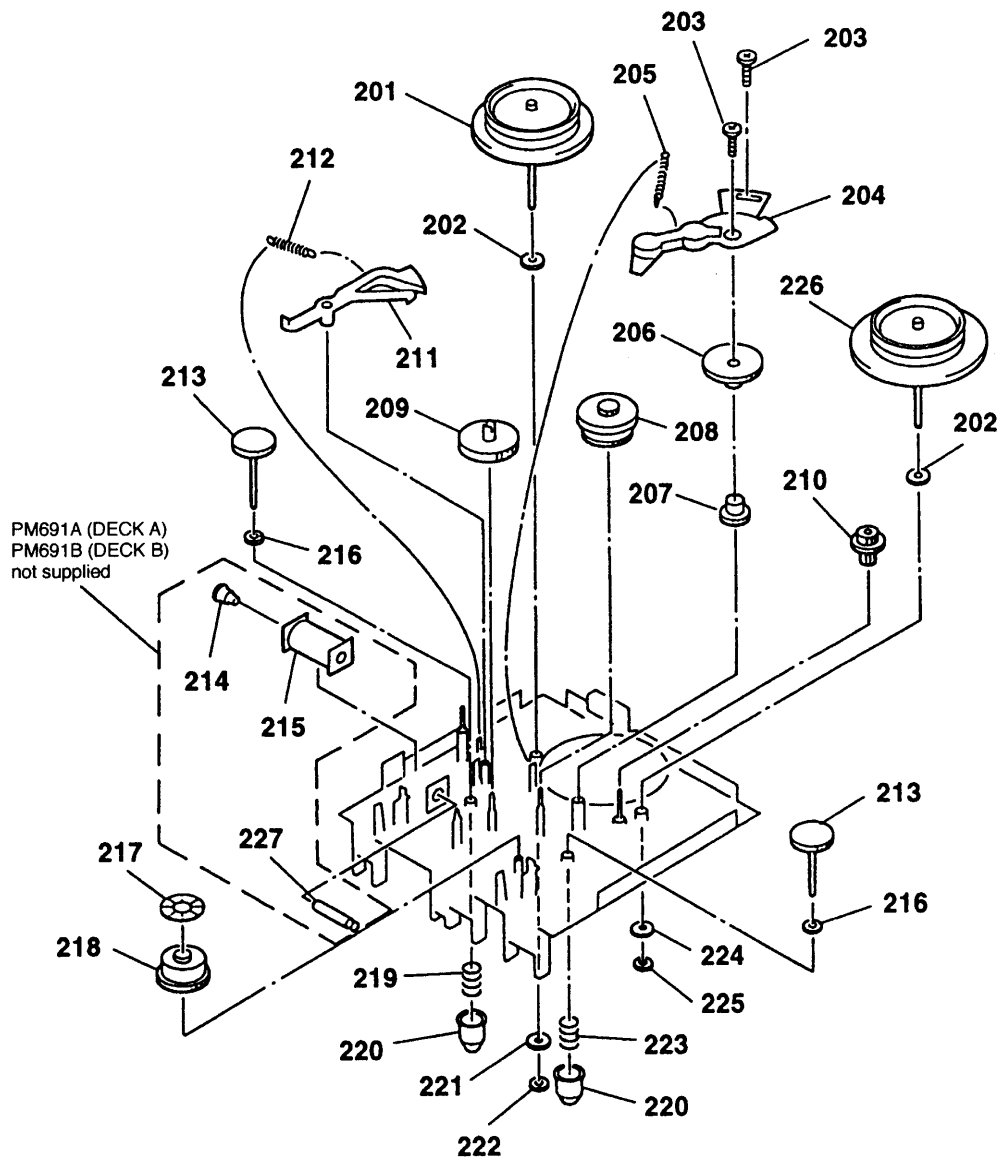
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	X-3372-903-1	CASSETTE HOLDER (A) ASSY		* 111	A-3306-457-A	CONTROL BOARD, COMPLETE (AEP,UK,IT)	
102	X-3372-904-1	CASSETTE HOLDER (B) ASSY		112	3-939-028-01	HOLDER, LCD	
103	3-939-032-01	SPRING (A), CASSETTE UP		113	3-939-029-01	ILLUMINATOR	
104	3-939-033-01	SPRING (B), CASSETTE UP		* 114	A-3306-447-A	LCD BOARD, COMPLETE (CND)	
105	3-939-031-01	SPRING, PUSH CATCHER RETURN		* 114	A-3306-458-A	LCD BOARD, COMPLETE (AEP,UK,IT)	
106	3-939-030-01	CATCHER, PUSH		* 115	1-662-762-13	LAMP BOARD (CND)	
107	3-351-377-31	DAMPER		* 115	1-662-762-21	LAMP BOARD (AEP,UK,IT)	
108	X-3373-690-1	CABINET (UPPER) SUB ASSY (CND)		116	1-777-641-11	WIRE, PARALLEL (FFC) (8 CORE)	
108	X-3373-692-1	CABINET (UPPER) SUB ASSY (AEP,UK,IT)		* 117	A-3293-409-A	MAIN BOARD, COMPLETE (CND)	
109	3-939-038-01	GEAR, HANDLE		* 117	A-3293-412-A	MAIN BOARD, COMPLETE (AEP,UK,IT)	
110	1-777-640-11	WIRE, PARALLEL (FFC) (12 CORE)		118	3-939-034-01	TERMINAL, ANTENNA	
* 111	A-3306-446-A	CONTROL BOARD, COMPLETE (CND)		ANT2	1-501-861-11	ANTENNA, TELESCOPIC	
				ND451	1-801-465-11	DISPLAY PANEL, LIQUID CRYSTAL	

7-4. MECHANISM DECK SECTION-1  
(MF-ZSD1)



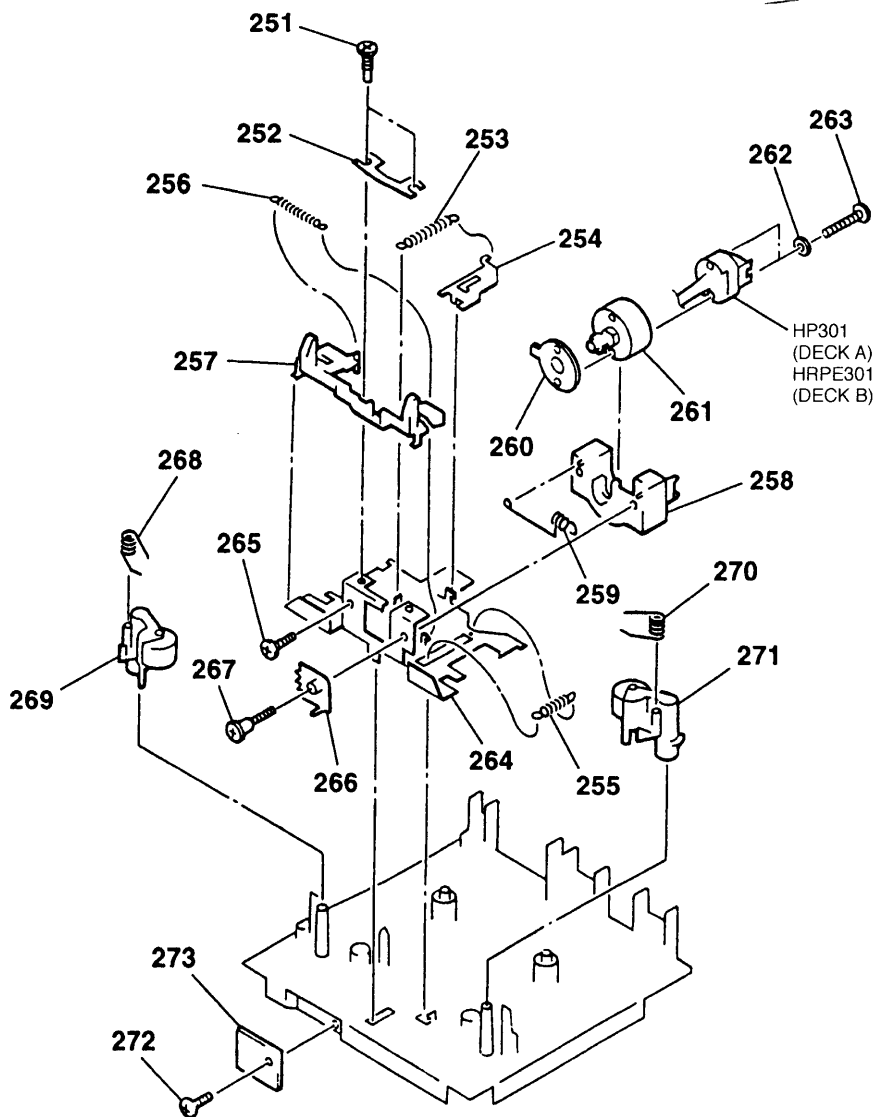
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
151	1-777-444-11	WIRE		* 157	1-662-742-11	SW BOARD	
152	3-938-899-01	SCREW		158	3-938-947-01	SCREW (G)	
153	3-938-897-01	MOTOR, BRACKET		159	3-938-954-01	WASHER (G)	
154	3-938-898-01	SCREW		160	3-938-953-01	WASHER (F)	
155	3-938-928-01	BELT (AR)		161	3-938-927-01	PULLY	
156	3-938-974-01	BELT (BR)		M691	X-3372-608-1	MOTOR ASSY	

**7-5. MECHANISM DECK SECTION-2  
(MF-ZSD1)**



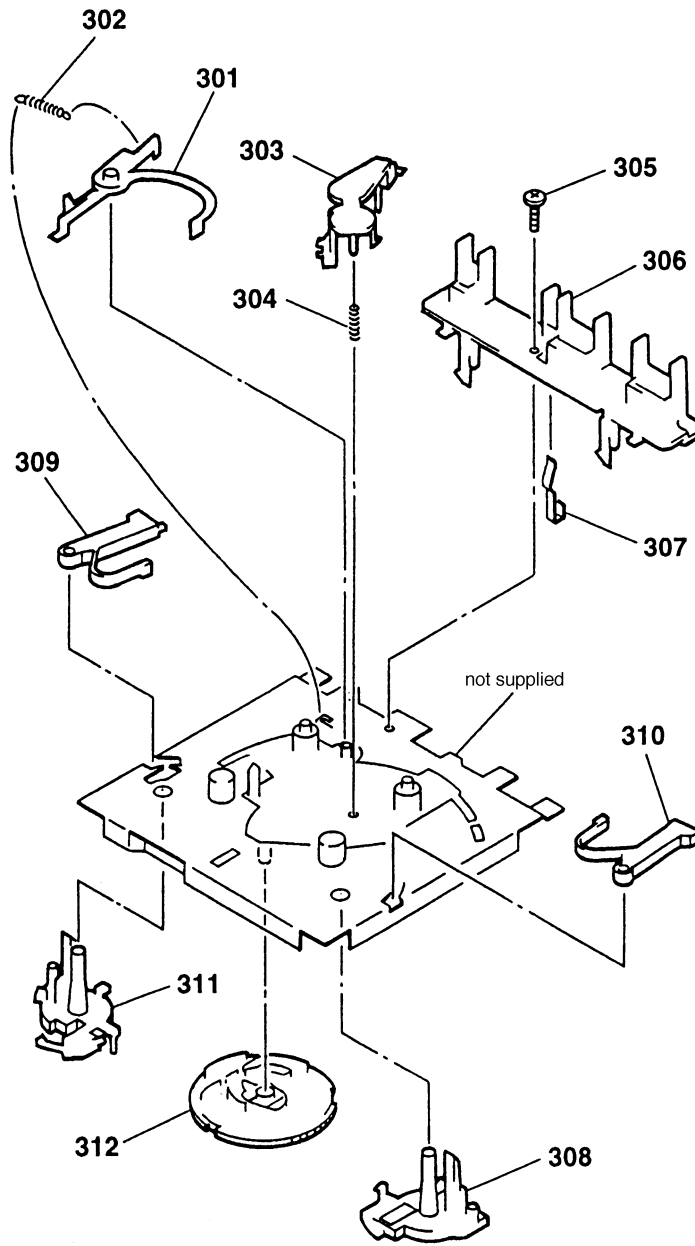
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
201	X-3373-434-1	FLYWHEEL (LV) ASSY		215	X-3372-612-1	COIL ASSY	
202	3-938-950-01	WASHER (C) (DECK A)		216	3-011-513-01	WASHER	
202	3-938-975-01	WASHER (H) (DECK B)		217	3-011-514-01	REFLECTOR	
203	3-938-946-01	SCREW (F)		218	3-938-926-01	GEAR (REF)	
* 204	3-938-919-01	ARM (FR)		219	3-938-932-01	SPRING (D)	
205	3-938-939-01	SPRING (K)		220	3-938-910-01	REEL, CAP	
206	3-938-923-01	GEAR (FR)		221	3-938-948-01	WASHER (A)	
207	3-938-924-01	GEAR (P)		222	3-938-952-01	WASHER (E)	
208	X-3372-613-1	CLUTCH ASSY		223	3-938-936-01	SPRING (H)	
209	3-938-925-01	GEAR (IDL)		224	3-938-949-01	WASHER (B)	
210	3-938-917-01	GEAR (A)		225	3-938-951-01	WASHER (D)	
* 211	3-938-918-01	TRIGGER, ARM		226	X-3373-433-1	FLYWHEEL (RV) ASSY	
212	3-938-931-01	SPRING (C)		227	1-454-782-11	PLUNGER	
213	3-938-921-01	GEAR (REEL)					
214	3-938-920-01	PLUNGER, K					

7-6. MECHANISM DECK SECTION-3  
(MF-ZSD1)



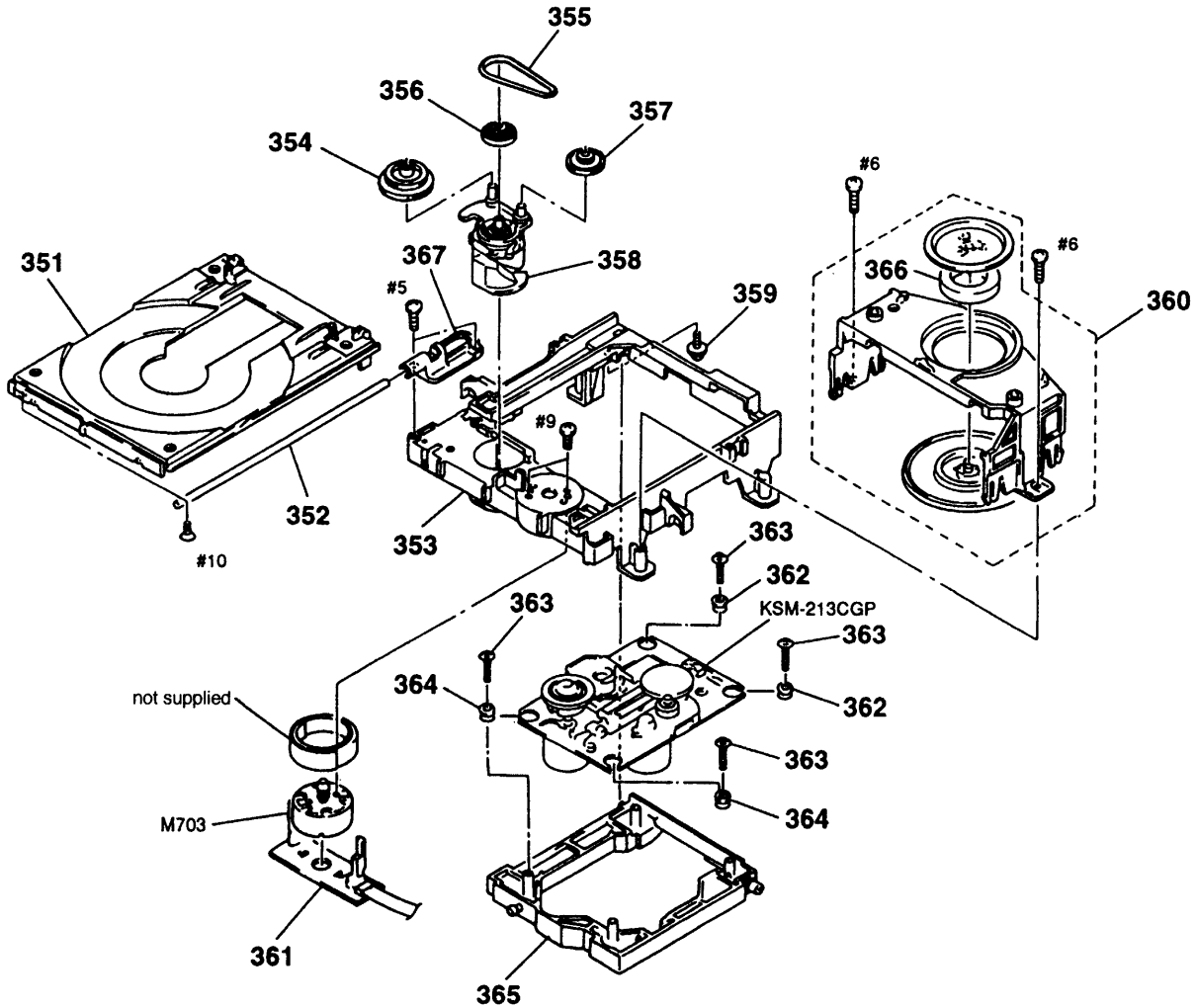
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
251	3-938-941-01	SCREW (A)		* 264	3-938-911-01	HEAD (B), CHASSIS	
252	3-938-906-01	AZIMUTH, SPRING		265	3-938-942-01	SCREW (B)	
253	3-938-935-01	SPRING (G)		266	3-938-907-01	HEAD, GEAR ARM	
* 254	X-3372-610-1	ASSIST ASSY, LEVER		267	3-938-943-01	SCREW (C)	
255	3-938-938-01	SPRING (J)		268	3-938-933-01	SPRING (E)	
256	3-938-940-01	SPRING (L)		269	X-3372-611-1	PINCH (L) ASSY, ARM	
257	3-938-905-01	HEAD, LEVER		270	3-938-937-01	SPRING (I)	
* 258	3-938-904-01	HEAD, FRAME		271	X-3372-614-1	PINCH (R) ASSY, ARM	
259	3-938-929-01	SPRING (A)		272	3-938-944-01	SCREW (D)	
260	3-938-900-01	HEAD, ARM		* 273	1-662-743-11	HEAD BOARD	
261	3-938-901-01	HEAD, HOLDER		HP301	X-3372-609-1	HEAD (A) ASSY	
262	3-938-902-01	WASHER		HRPE301	X-3372-616-1	HEAD (B) ASSY	
263	3-938-903-01	SCREW					

7-7. MECHANISM DECK SECTION-4  
(MF-ZSD1)



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
* 301	3-938-916-01	BRAKE, ARM		307	3-938-908-01	CASSETTE, SPRING	
302	3-938-934-01	SPRING (F)		* 308	3-938-913-01	FRAME (B)	
* 303	3-938-912-01	ARM (UD)		* 309	3-938-909-01	LOCK, EJECT	
304	3-938-930-01	SPRING (B)		* 310	3-938-973-01	LOCK, EJECT	
305	7-685-852-01	SCREW +BVTT 2X5 (S)		* 311	3-938-914-01	FRAME (C)	
* 306	3-938-915-01	FRAME (D)		312	3-938-922-01	GEAR (CAM)	

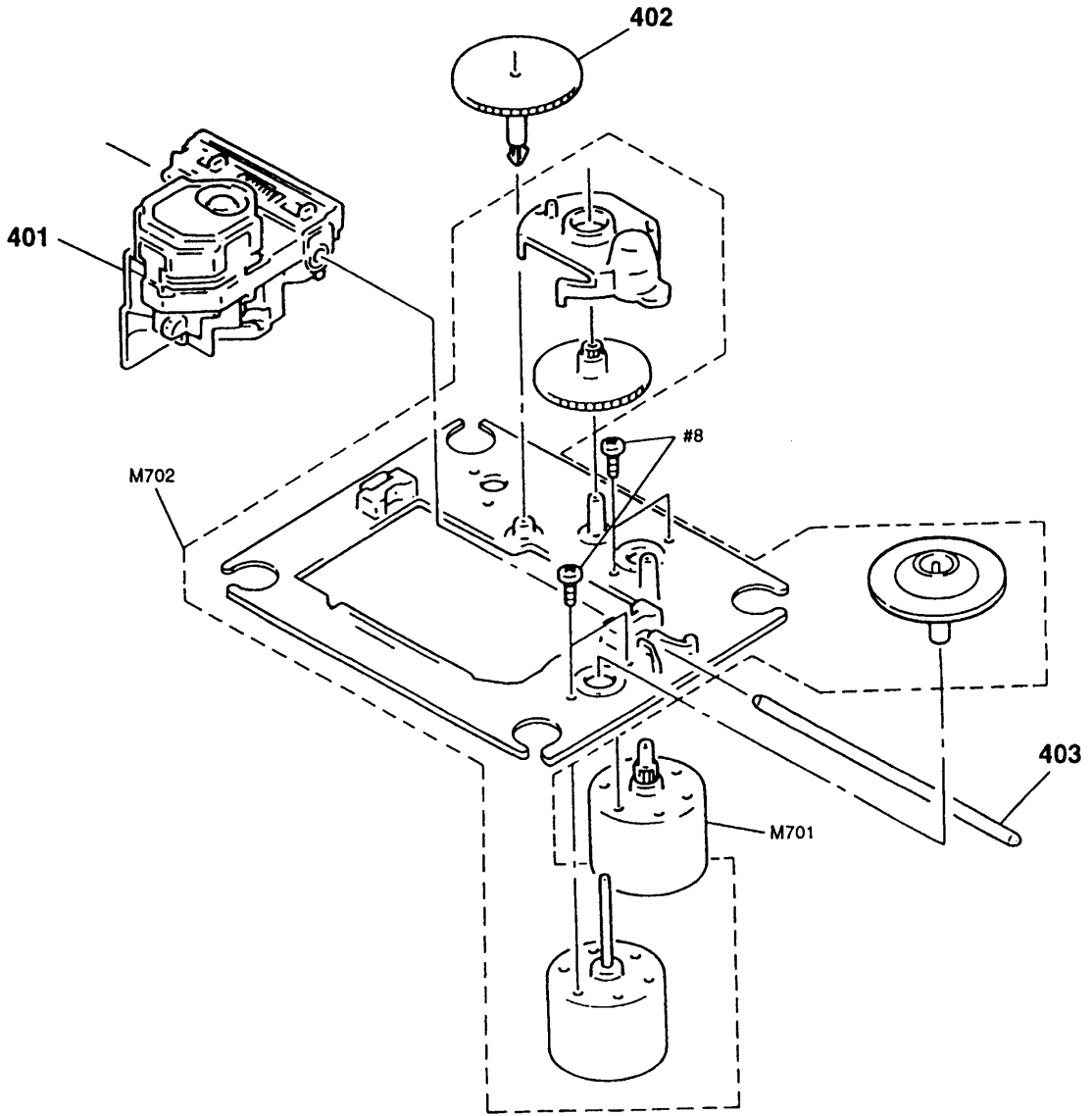
## 7-8. CD CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
351	2-627-170-01	TABLE, DISK		* 360	X-2625-880-1	HOLDER (MG) ASSY	
* 352	2-627-171-01	SHAFT (TABLE GUIDE)		* 361	1-656-254-11	LOADING BOARD	
* 353	2-627-169-01	CHASSIS		362	3-910-095-11	RUBBER, VIBRATION PROOF	
354	2-627-163-01	GEAR (P)		363	3-910-095-01	RUBBER, VIBRATION PROOF	
355	4-927-649-01	BELT		364	3-910-095-01	RUBBER, VIBRATION PROOF	
356	2-627-172-01	PULLEY (S)		* 365	X-2625-879-1	HOLDER (BU) ASSY	
357	2-627-162-01	GEAR (C)		366	1-452-493-21	MAGNET	
358	2-627-166-01	CAM		367	2-627-164-01	BEARING	
* 359	4-917-583-21	BRACKET, YOKE		M703	X-2625-878-1	MOTOR ASSY, LOADING	



**7-8. OPTICAL PICK-UP SECTION  
(KSM-213CGP)**



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
401	8-848-483-05	OPTICAL DEVICE KSS-213 C/Q-RP		M701	X-2625-769-1	MOTER GEAR ASSY (MB) (RP)	
402	2-625-188-02	GEAR (A) (S)		M702	X-2626-272-1	MOTER CHASSIS ASSY (MB)	
403	4-917-565-01	SHAFT (S), SLED					

## SECTION 8

# ELECTRICAL PARTS LIST

**BATTERY**

**CD**

**Note:**

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

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

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

- Abbreviation  
IT : Italian model  
CND : Canadian model

- 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, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:  
uF:  $\mu$ F
- RESISTORS  
All resistors are in ohms.  
METAL: metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable
- COILS  
uH:  $\mu$ H
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A..., uPA...,  $\mu$ PA...,  
uPB...,  $\mu$ PB..., uPC...,  $\mu$ PC...,  
uPD...,  $\mu$ PD...

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	1-662-767-21	BATT BOARD (AEP,IT,UK)		C734	1-163-019-00	CERAMIC CHIP 0.0068uF 10%	50V
	*****			C736	1-126-177-11	ELECT 100uF 20%	10V
*	1-662-767-13	BATT BOARD (CND)		C737	1-164-232-11	CERAMIC CHIP 0.01uF	50V
	*****			C748	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
	3-939-012-01	TERMINAL (-), BATTERY		C780	1-104-664-11	ELECT 47uF 20%	25V
		< CONNECTOR >		C796	1-164-232-11	CERAMIC CHIP 0.01uF	50V
* CN903	1-580-154-11	PIN, CONNECTOR (PC BOARD) 2P		C797	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
	*****			C798	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
				C799	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
*	A-3293-413-A	CD BOARD, COMPLETE (AEP,IT,UK)				< CONNECTOR >	
	*****			CN701	1-691-078-41	HOUSING, CONNECTOR 19P	
*	A-3293-410-A	CD BOARD, COMPLETE (CND)		CN703	1-770-168-11	CONNECTOR, FFC/FPC 16P	
	*****					< DIODE >	
		< CAPACITOR >		D701	8-719-970-02	DIODE 1SR139-400	
C700	1-164-232-11	CERAMIC CHIP 0.01uF	50V			< IC >	
C701	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	100V	IC701	8-752-069-56	IC CXA1782BQ	
C702	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	IC703	8-759-336-75	IC BA5930FP	
C703	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	IC705	8-759-962-08	IC BA6208	
C704	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V			< JUMPER RESISTOR >	
C705	1-135-181-21	TANTALUM CHIP 4.7uF 20%	6.3V	JR1	1-216-295-91	CONDUCTOR, CHIP (2012)	
C706	1-163-989-11	CERAMIC CHIP 0.033uF 10%	25V	JR2	1-216-295-91	CONDUCTOR, CHIP (2012)	
C707	1-163-024-00	CERAMIC CHIP 0.018uF 10%	50V	JR3	1-216-295-91	CONDUCTOR, CHIP (2012)	
C708	1-163-227-11	CERAMIC CHIP 10PF 0.5PF	50V	JR4	1-216-295-91	CONDUCTOR, CHIP (2012)	
C709	1-126-962-11	ELECT 3.3uF 20%	50V	JR5	1-216-295-91	CONDUCTOR, CHIP (2012)	
C710	1-164-344-11	CERAMIC CHIP 0.068uF 10%	25V	JR6	1-216-295-91	CONDUCTOR, CHIP (2012)	
C711	1-163-243-11	CERAMIC CHIP 47PF 5%	50V	JR7	1-216-295-91	CONDUCTOR, CHIP (2012)	
C713	1-163-989-11	CERAMIC CHIP 0.033uF 10%	25V	JR8	1-216-295-91	CONDUCTOR, CHIP (2012)	
C714	1-164-232-11	CERAMIC CHIP 0.01uF	50V	JR9	1-216-295-91	CONDUCTOR, CHIP (2012)	
C715	1-163-989-11	CERAMIC CHIP 0.033uF 10%	25V	JR10	1-216-295-91	CONDUCTOR, CHIP (2012)	
C716	1-164-489-11	CERAMIC CHIP 0.22uF 10%	16V	JR11	1-216-295-91	CONDUCTOR, CHIP (2012)	
C717	1-104-664-11	ELECT 47uF 20%	25V	JR12	1-216-295-91	CONDUCTOR, CHIP (2012)	
C718	1-126-096-11	ELECT 10uF 20%	35V	JR13	1-216-295-91	CONDUCTOR, CHIP (2012)	
C721	1-163-809-11	CERAMIC CHIP 0.047uF 10%	25V	JR14	1-216-295-91	CONDUCTOR, CHIP (2012)	
C722	1-163-037-11	CERAMIC CHIP 0.022uF 10%	25V	JR15	1-216-295-91	CONDUCTOR, CHIP (2012)	
C723	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	JR16	1-216-295-91	CONDUCTOR, CHIP (2012)	
C724	1-126-933-11	ELECT 100uF 20%	10V	JR17	1-216-295-91	CONDUCTOR, CHIP (2012)	
C725	1-163-227-11	CERAMIC CHIP 10PF 0.5PF	50V	JR18	1-216-295-91	CONDUCTOR, CHIP (2012)	
C726	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V			< COIL >	
C727	1-163-031-11	CERAMIC CHIP 0.01uF	50V	L710	1-412-852-11	INDUCTOR 47uH	
C728	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V			< TRANSISTOR >	
C729	1-126-933-11	ELECT 100uF 20%	10V	Q701	8-729-101-07	TRANSISTOR 2SB798-DL	
C730	1-126-923-11	ELECT 220uF 20%	10V	Q703	8-729-900-98	TRANSISTOR DTC143TK	
C731	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V				
C732	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V				

Ref. No.	Part No.	Description	Remarks
< RESISTOR >			
R700	1-216-073-00	METAL CHIP 10K 5%	1/10W
R701	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R702	1-216-114-00	METAL GLAZE 510K 5%	1/10W
R703	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R704	1-216-101-00	METAL CHIP 150K 5%	1/10W
R705	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R706	1-216-097-91	METAL GLAZE 100K 5%	1/10W
R707	1-216-079-00	METAL CHIP 18K 5%	1/10W
R708	1-216-101-00	METAL CHIP 150K 5%	1/10W
R709	1-216-080-00	METAL CHIP 20K 5%	1/10W
R710	1-216-001-00	METAL CHIP 10 5%	1/10W
R714	1-216-101-00	METAL CHIP 150K 5%	1/10W
R716	1-216-077-00	METAL CHIP 15K 5%	1/10W
R717	1-216-073-00	METAL CHIP 10K 5%	1/10W
R718	1-216-117-00	METAL CHIP 680K 5%	1/10W
R720	1-216-109-00	METAL CHIP 330K 5%	1/10W
R721	1-216-295-91	CONDUCTOR, CHIP (2012)	
R725	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R726	1-216-073-00	METAL CHIP 10K 5%	1/10W
R727	1-216-073-00	METAL CHIP 10K 5%	1/10W
R731	1-216-081-00	METAL CHIP 22K 5%	1/10W
R732	1-216-073-00	METAL CHIP 10K 5%	1/10W
R733	1-216-085-00	METAL CHIP 33K 5%	1/10W
R734	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R735	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R760	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R780	1-216-093-00	METAL CHIP 68K 5%	1/10W
R781	1-216-093-00	METAL CHIP 68K 5%	1/10W
R782	1-216-093-00	METAL CHIP 68K 5%	1/10W
R783	1-216-093-00	METAL CHIP 68K 5%	1/10W
R784	1-216-095-00	METAL CHIP 82K 5%	1/10W
R785	1-216-095-00	METAL CHIP 82K 5%	1/10W
< VARIABLE RESISTOR >			
RV701	1-241-786-11	RES, ADJ, CARBON 22K	
RV702	1-241-786-11	RES, ADJ, CARBON 22K	
RV703	1-223-459-21	RES, ADJ, CERMET 2.2K	
RV704	1-241-786-11	RES, ADJ, CARBON 22K	
< SWITCH >			
S701	1-762-812-11	SWITCH, LEAF	
*****			
*	A-3306-457-A	CONTROL BOARD, COMPLETE (AEP,IT,UK)	
*****			
*	A-3306-446-A	CONTROL BOARD, COMPLETE (CND)	
*****			
< CONNECTOR >			
* CN402	1-695-335-31	PIN, CONNECTOR (PC BOARD) 12P	
< DIODE >			
D401	8-719-061-29	DIODE SLA-362MTTB7	
D402	8-719-061-29	DIODE SLA-362MTTB7	
D403	8-719-061-29	DIODE SLA-362MTTB7	
D404	8-719-061-29	DIODE SLA-362MTTB7	
D405	8-719-061-29	DIODE SLA-362MTTB7	

Ref. No.	Part No.	Description	Remarks
< FERRITE BEAD >			
FB401	1-500-445-21	INDUCTOR 0UH (AEP,IT,UK)	
FB402	1-216-295-91	CONDUCTOR, CHIP (2012) (AEP,IT,UK)	
FB403	1-500-445-21	INDUCTOR 0UH (AEP,IT,UK)	
FB404	1-500-445-21	INDUCTOR 0UH (AEP,IT,UK)	
< JACK >			
J401	1-573-191-21	JACK (PHONES)	
< RESISTOR >			
R410	1-216-037-00	METAL CHIP 330 5%	1/10W
R411	1-216-037-00	METAL CHIP 330 5%	1/10W
R412	1-216-037-00	METAL CHIP 330 5%	1/10W
R413	1-216-037-00	METAL CHIP 330 5%	1/10W
R414	1-216-037-00	METAL CHIP 330 5%	1/10W
R416	1-216-079-00	METAL CHIP 18K 5%	1/10W
R417	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R418	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R419	1-216-055-00	METAL CHIP 1.8K 5%	1/10W
R420	1-216-051-00	METAL CHIP 1.2K 5%	1/10W
R421	1-216-047-91	METAL GLAZE 820 5%	1/10W
R422	1-216-045-00	METAL CHIP 680 5%	1/10W
R435	1-216-079-00	METAL CHIP 18K 5%	1/10W
R436	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R437	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R438	1-216-055-00	METAL CHIP 1.8K 5%	1/10W
R439	1-216-051-00	METAL CHIP 1.2K 5%	1/10W
R440	1-216-047-91	METAL GLAZE 820 5%	1/10W
R441	1-216-045-00	METAL CHIP 680 5%	1/10W
R444	1-216-079-00	METAL CHIP 18K 5%	1/10W
R445	1-216-069-00	METAL CHIP 6.8K 5%	1/10W
R446	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R447	1-216-055-00	METAL CHIP 1.8K 5%	1/10W
R448	1-216-051-00	METAL CHIP 1.2K 5%	1/10W
R449	1-216-047-91	METAL GLAZE 820 5%	1/10W
R450	1-216-045-00	METAL CHIP 680 5%	1/10W
< SWITCH >			
S414	1-692-014-11	SWITCH, KEY BOARD (-)(volume)	
S415	1-692-014-11	SWITCH, KEY BOARD (+)(volume)	
S416	1-692-014-11	SWITCH, KEY BOARD (SOUND)	
S417	1-692-014-11	SWITCH, KEY BOARD (MEGA BASS)	
S418	1-692-014-11	SWITCH, KEY BOARD (REPEAT)	
S419	1-692-014-11	SWITCH, KEY BOARD (PLAY MODE/MONO/ST/ISS)	
S420	1-692-014-11	SWITCH, KEY BOARD (●/■)	
S421	1-692-014-11	SWITCH, KEY BOARD (DUBBING START)	
S424	1-692-014-11	SWITCH, KEY BOARD (◀◀)	
S425	1-692-014-11	SWITCH, KEY BOARD (▶▶)	
S426	1-692-014-11	SWITCH, KEY BOARD (DECK A/B)	
S427	1-692-014-11	SWITCH, KEY BOARD (RADIO BAND)	
S428	1-692-014-11	SWITCH, KEY BOARD (■)	
S429	1-692-014-11	SWITCH, KEY BOARD (TAPE▶)	
S430	1-692-014-11	SWITCH, KEY BOARD (TAPE◀)	
S431	1-692-014-11	SWITCH, KEY BOARD (LINE)	
S434	1-692-014-11	SWITCH, KEY BOARD (AUTO PRESET)	
S435	1-692-014-11	SWITCH, KEY BOARD (▶▶ +)	
S436	1-692-014-11	SWITCH, KEY BOARD (◀◀ -)	
S437	1-692-014-11	SWITCH, KEY BOARD (■)	

**CONTROL****JACK****JOG****LAMP****LCD**

Ref. No.	Part No.	Description	Remarks
S438	1-692-014-11	SWITCH, KEY BOARD (CD ▶  )	
S439	1-692-014-11	SWITCH, KEY BOARD (SLEEP)	
S440	1-692-014-11	SWITCH, KEY BOARD (STANDBY)	
S441	1-692-014-11	SWITCH, KEY BOARD (POWER)	
*****			
*	1-662-766-21	JACK BOARD (AEP,IT,UK)	
*****			
*	1-662-766-13	JACK BOARD (CND)	
*****			
< CAPACITOR >			
C406	1-126-963-11	ELECT	4.7uF 20% 50V
C407	1-163-038-91	CERAMIC CHIP	0.1uF 25V
< CONNECTOR >			
* CN403	1-580-166-11	PIN, CONNECTOR (PC BOARD) 5P	
CN404	1-695-105-11	PIN, CONNECTOR (PC BOARD) 3P	
< FERRITE BEAD >			
FB405	1-216-295-91	CONDUCTOR, CHIP (2012) (AEP,IT,UK)	
FB406	1-216-295-91	CONDUCTOR, CHIP (2012) (AEP,IT,UK)	
FB407	1-500-445-21	INDUCTOR	0UH (AEP,IT,UK)
FB408	1-500-445-21	INDUCTOR	0UH (AEP,IT,UK)
FB409	1-500-445-21	INDUCTOR	0UH (AEP,IT,UK)
< IC >			
IC402	8-749-921-12	IC GP1F32T (OPTICAL DIGITAL OUT (CD))	
< JACK >			
J402	1-566-891-21	JACK (LINE IN)	
J403	1-566-891-21	JACK (LINE OUT)	
*****			
*	1-662-763-21	JOG BOARD (AEP,IT,UK)	
*****			
*	1-662-763-13	JOG BOARD (CND)	
*****			
< CAPACITOR >			
C404	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C405	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
< CONNECTOR >			
* CN401	1-580-169-11	PIN, CONNECTOR (PC BOARD) 8P	
< RESISTOR >			
R401	1-216-047-91	METAL GLAZE	820 5% 1/10W
R402	1-216-045-00	METAL CHIP	680 5% 1/10W
R403	1-216-069-00	METAL CHIP	6.8K 5% 1/10W
R404	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
R405	1-216-055-00	METAL CHIP	1.8K 5% 1/10W
R406	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R407	1-216-047-91	METAL GLAZE	820 5% 1/10W
R408	1-216-045-00	METAL CHIP	680 5% 1/10W
R461	1-216-049-91	METAL GLAZE	1.0K 5% 1/10W
R462	1-216-049-91	METAL GLAZE	1.0K 5% 1/10W

Ref. No.	Part No.	Description	Remarks
< SWITCH >			
S401	1-473-970-11	SWITCH, ROTARY (jog)	
S402	1-692-014-11	SWITCH, KEY BOARD (DISPLAY)	
S403	1-692-014-11	SWITCH, KEY BOARD (DIR MODE)	
S404	1-692-014-11	SWITCH, KEY BOARD (COUNTER RESET)	
S405	1-692-014-11	SWITCH, KEY BOARD (TIMER)	
S406	1-692-014-11	SWITCH, KEY BOARD (CLOCK)	
S407	1-692-014-11	SWITCH, KEY BOARD (EDIT)	
S408	1-692-014-11	SWITCH, KEY BOARD (PGM SET/MEMORY)	
S409	1-692-014-11	SWITCH, KEY BOARD (CANCEL)	
S410	1-692-014-11	SWITCH, KEY BOARD (ENTER)	
S411	1-692-014-11	SWITCH, KEY BOARD (▲ OPEN/CLOSE)	
*****			
*	1-662-762-13	LAMP BOARD (CND)	
*****			
*	1-662-762-21	LAMP BOARD (AEP,IT,UK)	
*****			
< PILOT LAMP >			
PL401	1-517-602-11	LAMP, PILOT	
PL402	1-517-602-11	LAMP, PILOT	
PL403	1-517-602-11	LAMP, PILOT	
*****			
*	A-3306-458-A	LCD BOARD, COMPLETE (AEP,IT,UK)	
*****			
*	A-3306-447-A	LCD BOARD, COMPLETE (CND)	
*****			
< CAPACITOR >			
C451	1-163-031-11	CERAMIC CHIP	0.01uF 50V
C452	1-126-157-11	ELECT	10uF 20% 16V
C453	1-163-031-11	CERAMIC CHIP	0.01uF 50V
C454	1-163-038-91	CERAMIC CHIP	0.1uF 25V
C455	1-163-038-91	CERAMIC CHIP	0.1uF 25V
C456	1-163-038-91	CERAMIC CHIP	0.1uF 25V
C457	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C458	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C459	1-163-259-91	CERAMIC CHIP	220PF 5% 50V
C460	1-163-259-91	CERAMIC CHIP	220PF 5% 50V
C461	1-163-038-91	CERAMIC CHIP	0.1uF 25V
< CONNECTOR >			
CN451	1-770-516-31	PIN, CONNECTOR (PC BOARD) 8P	
< IC >			
IC451	8-759-153-90	IC UPD7225GB-3B7	
< COIL >			
L451	1-410-971-11	INDUCTOR	10uH
< FLUORECENT INDICATOR >			
ND451	1-801-465-11	DISPLAY PANEL, LIQUID CRYSTAL	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< RESISTOR >				C36	1-163-038-91	CERAMIC CHIP 0.1uF	25V
R451	1-216-065-00	METAL CHIP 4.7K 5%	1/10W	C37	1-163-133-00	CERAMIC CHIP 470PF 5%	50V
R452	1-216-101-00	METAL CHIP 150K 5%	1/10W	(AEP,IT,UK)			
R453	1-216-097-91	METAL GLAZE 100K 5%	1/10W				
R454	1-216-097-91	METAL GLAZE 100K 5%	1/10W	C37	1-163-131-00	CERAMIC CHIP 390PF 5%	50V
R455	1-216-097-91	METAL GLAZE 100K 5%	1/10W	(CND)			
R456	1-216-073-00	METAL CHIP 10K 5%	1/10W				
R457	1-216-073-00	METAL CHIP 10K 5%	1/10W	C38	1-163-234-11	CERAMIC CHIP 20PF 5%	50V
R458	1-216-049-91	METAL GLAZE 1K 5%	1/10W	C39	1-163-038-91	CERAMIC CHIP 0.1uF	25V
R459	1-216-049-91	METAL GLAZE 1K 5%	1/10W	C41	1-163-227-11	CERAMIC CHIP 10P 0.5PF	50V
R460	1-216-109-00	METAL CHIP 330K 5%	1/10W	C42	1-163-231-11	CERAMIC CHIP 15PF 5%	50V
*****				C43	1-163-009-11	CERAMIC CHIP 0.001uF	10% 50V
* A-3293-412-A	MAIN BOARD, COMPLETE (AEP,IT,UK)			C44	1-163-220-11	CERAMIC CHIP 3PF	0.25PF 50V
*****				C45	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
* A-3293-409-A	MAIN BOARD, COMPLETE (CND)			C46	1-164-232-11	CERAMIC CHIP 0.01uF	50V
*****				C47	1-163-038-91	CERAMIC CHIP 0.1uF	25V
< CAPACITOR >				C52	1-163-263-11	CERAMIC CHIP 330PF 5%	50V
C1	1-126-963-11	ELECT 4.7uF 20%	50V	(AEP,IT,UK)			
C2	1-126-933-11	ELECT 100uF 20%	10V				
C3	1-126-960-11	ELECT 1uF 20%	50V	C53	1-163-113-00	CERAMIC CHIP 68PF 5%	50V
C4	1-126-960-11	ELECT 1uF 20%	50V	(AEP,IT,UK)			
C5	1-126-964-11	ELECT 10uF 20%	50V				
C6	1-126-964-11	ELECT 10uF 20%	50V	C54	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C7	1-126-964-11	ELECT 10uF 20%	50V	(AEP,IT,UK)			
C11	1-164-232-11	CERAMIC CHIP 0.01uF	50V				
C12	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C70	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C13	1-163-023-00	CERAMIC CHIP 0.015uF 5%	50V	C71	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C13	1-163-024-00	CERAMIC CHIP 0.018uF 10%	50V	C72	1-163-009-11	CERAMIC CHIP 0.001uF	10% 50V
(CND)				C73	1-164-232-11	CERAMIC CHIP 0.01uF	50V
				C14	1-163-023-00	CERAMIC CHIP 0.015uF 5%	50V
C14	1-163-024-00	CERAMIC CHIP 0.018 10%	50V	C101	1-163-011-00	CERAMIC CHIP 0.0015uF 5%	50V
(CND)				C102	1-163-139-00	CERAMIC CHIP 820PF 5%	50V
				C15	1-164-345-11	CERAMIC CHIP 0.082uF 10%	25V
C16	1-164-345-11	CERAMIC CHIP 0.082uF 10%	25V	C104	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C17	1-164-344-11	CERAMIC CHIP 0.068uF 10%	25V	C105	1-126-933-11	ELECT 100uF 20%	10V
C18	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V	C106	1-163-986-11	CERAMIC CHIP 0.027uF 10%	25V
C19	1-162-921-11	CERAMIC CHIP 33PF 5%	50V	C107	1-126-964-11	ELECT 10uF 20%	50V
C20	1-162-915-11	CERAMIC CHIP 10PF 0.5PF	50V	C108	1-164-346-11	CERAMIC CHIP 1uF	16V
C21	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C109	1-126-959-11	ELECT 0.47uF 20%	50V
C22	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C110	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V
C23	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C111	1-126-964-11	ELECT 10uF 20%	50V
C24	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C112	1-126-964-11	ELECT 10uF 20%	50V
(AEP,IT,UK)				C113	1-163-009-11	CERAMIC CHIP 0.001uF	10% 50V
				C25	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C26	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C152	1-126-960-11	ELECT 1uF 20%	50V
C27	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V	C153	1-126-960-11	ELECT 1uF 20%	50V
C28	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C154	1-164-346-11	CERAMIC CHIP 1uF	16V
C29	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C155	1-126-160-11	ELECT 1uF 20%	50V
C30	1-164-489-11	CERAMIC CHIP 0.22uF 10%	16V	C156	1-124-261-11	ELECT 10uF 20%	50V
C31	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C157	1-136-158-00	FILM 0.027uF 5%	50V
C32	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C158	1-136-173-00	FILM 0.47uF 5%	50V
C35	1-126-923-11	ELECT 220uF 20%	10V	C159	1-163-017-00	CERAMIC CHIP 0.0047uF 5%	50V
(AEP,IT,UK)				C161	1-137-306-11	FILM CHIP 0.1uF 5%	16V
				C162	1-126-964-11	ELECT 10uF 20%	50V
C163	1-126-960-11	ELECT 1uF 20%	50V	C164	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C164	1-162-923-11	CERAMIC CHIP 47PF 5%	50V	C165	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C165	1-162-927-11	CERAMIC CHIP 100PF 5%	50V	C166	1-126-927-11	ELECT 2200uF 20%	10V
C166	1-126-927-11	ELECT 2200uF 20%	10V	C167	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
C167	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V	C168	1-136-165-00	FILM 0.1uF 5%	50V
C168	1-136-165-00	FILM 0.1uF 5%	50V	C169	1-126-967-11	ELECT 47uF 20%	10V
C169	1-126-967-11	ELECT 47uF 20%	10V	C170	1-164-346-11	CERAMIC CHIP 1uF	16V
C170	1-164-346-11	CERAMIC CHIP 1uF	16V	C171	1-126-160-11	ELECT 1uF 20%	50V
C171	1-126-160-11	ELECT 1uF 20%	50V	C172	1-164-346-11	CERAMIC CHIP 1uF	16V
C172	1-164-346-11	CERAMIC CHIP 1uF	16V	C173	1-137-306-11	FILM CHIP 0.1uF 5%	16V
C173	1-137-306-11	FILM CHIP 0.1uF 5%	16V	C174	1-162-953-11	CERAMIC CHIP 100PF 5%	50V
C174	1-162-953-11	CERAMIC CHIP 100PF 5%	50V				

**MAIN**

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C175	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C315	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V
C176	1-136-153-00	FILM	0.01uF 5% 50V	C316	1-136-967-11	MYLAR	0.012uF 5% 50V
C177	1-164-346-11	CERAMIC CHIP	1uF 16V				(AEP,IT,UK)
C201	1-163-011-00	CERAMIC CHIP	0.0015uF 5% 50V	C316	1-130-485-00	MYLAR	0.015uF 5% 50V
C202	1-163-139-00	CERAMIC CHIP	820PF 5% 50V				(CND)
C203	1-164-473-11	CERAMIC CHIP	820PF 10% 50V	C317	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C204	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C318	1-126-933-11	ELECT	100uF 20% 10V
C205	1-126-933-11	ELECT	100uF 20% 10V	C319	1-163-057-00	CERAMIC CHIP	0.0068uF 10% 50V
C206	1-163-986-11	CERAMIC CHIP	0.027uF 10% 25V	C320	1-163-057-00	CERAMIC CHIP	0.0068uF 10% 50V
C207	1-126-964-11	ELECT	10uF 20% 50V	C322	1-126-964-11	ELECT	10uF 20% 50V
C208	1-164-346-11	CERAMIC CHIP	1uF 16V	C324	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C209	1-126-959-11	ELECT	0.47uF 20% 50V	C325	1-126-933-11	ELECT	100uF 20% 10V
C210	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V	C351	1-126-157-11	ELECT	10uF 20% 16V
C211	1-126-964-11	ELECT	10uF 20% 50V	C352	1-126-924-11	ELECT	330uF 20% 10V
C212	1-126-964-11	ELECT	10uF 20% 50V	C353	1-126-964-11	ELECT	10uF 20% 50V
C213	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	C354	1-163-038-91	CERAMIC CHIP	0.1uF 25V
C251	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C355	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V
C252	1-126-160-11	ELECT	1uF 20% 50V	C356	1-126-924-11	ELECT	330uF 20% 10V
C253	1-126-960-11	ELECT	1uF 20% 50V	C357	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C254	1-164-346-11	CERAMIC CHIP	1uF 16V	C358	1-163-038-91	CERAMIC CHIP	0.1uF 25V
C255	1-126-960-11	ELECT	1uF 20% 50V	C359	1-126-933-11	ELECT	100uF 20% 10V
C256	1-126-964-11	ELECT	10uF 20% 50V	C360	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C257	1-136-158-00	FILM	0.027uF 5% 50V	C361	1-126-933-11	ELECT	100uF 20% 10V
C258	1-136-173-00	FILM	0.47uF 5% 50V	C362	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C259	1-163-017-00	CERAMIC CHIP	0.0047uF 5% 50V	C363	1-126-925-11	ELECT	470uF 20% 10V
C261	1-137-306-11	FILM CHIP	0.1uF 5% 16V	C364	1-126-923-11	ELECT	220uF 20% 10V
C262	1-126-964-11	ELECT	10uF 20% 50V	C365	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C263	1-126-960-11	ELECT	1uF 20% 50V	C366	1-126-935-11	ELECT	470uF 20% 16V
C264	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	C367	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C265	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	C368	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C266	1-126-927-11	ELECT	2200uF 20% 10V	C369	1-126-935-11	ELECT	470uF 20% 16V
C267	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C370	1-104-665-11	ELECT	100uF 20% 25V
C268	1-136-165-00	FILM	0.1uF 5% 50V	C371	1-163-038-91	CERAMIC CHIP	0.1uF 25V
C269	1-126-967-11	ELECT	47uF 20% 10V	C373	1-126-959-11	ELECT	0.47uF 20% 50V
C270	1-164-346-11	CERAMIC CHIP	1uF 16V	C374	1-126-933-11	ELECT	100uF 20% 10V
C271	1-126-160-11	ELECT	1uF 20% 50V	C375	1-126-941-11	ELECT	470uF 20% 25V
C272	1-164-346-11	CERAMIC CHIP	1uF 16V	C376	1-126-933-11	ELECT	100uF 20% 10V
C273	1-137-306-11	FILM CHIP	0.1uF 5% 16V	C377	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C274	1-162-953-11	CERAMIC CHIP	100PF 5% 50V	C378	1-126-933-11	ELECT	100uF 20% 10V
C275	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C379	1-124-584-00	ELECT	100uF 20% 10V
C276	1-136-153-00	FILM	0.01uF 5% 50V	C380	1-124-584-00	ELECT	100uF 20% 10V
C277	1-164-346-11	CERAMIC CHIP	1uF 16V	C381	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V
C301	1-126-923-11	ELECT	220uF 20% 10V	C382	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V
C302	1-124-229-00	ELECT	33uF 20% 10V	C383	1-126-933-11	ELECT	100uF 20% 10V
C303	1-126-964-11	ELECT	10uF 20% 50V	C384	1-126-923-11	ELECT	220uF 20% 10V
C304	1-126-959-11	ELECT	0.47uF 20% 50V	C385	1-163-031-11	CERAMIC CHIP	0.01uF 50V
C305	1-126-959-11	ELECT	0.47uF 20% 50V	C386	1-163-031-11	CERAMIC CHIP	0.01uF 50V
C309	1-131-347-00	TANTALUM	1uF 10% 35V	C387	1-163-031-11	CERAMIC CHIP	0.01uF 50V
C310	1-163-007-11	CERAMIC CHIP	680PF 10% 50V	C388	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C311	1-124-584-00	ELECT	100uF 20% 10V	C389	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C312	1-163-011-11	CERAMIC CHIP	0.0015uF 10% 50V	C390	1-136-153-00	FILM	0.01uF 5% 50V
C312	1-163-133-00	CERAMIC CHIP	470PF 5% 50V	C391	1-126-967-11	ELECT	47uF 20% 10V
C313	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V	C601	1-126-965-11	ELECT	22uF 20% 50V
C314	1-164-182-11	CERAMIC CHIP	0.0033uF 10% 50V	C602	1-126-964-11	ELECT	10uF 20% 50V
C314	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	C603	1-126-964-11	ELECT	10uF 20% 50V
			(AEP,IT,UK)	C604	1-162-974-11	CERAMIC CHIP	0.01uF 50V
			(CND)	C605	1-162-974-11	CERAMIC CHIP	0.01uF 50V
			(AEP,IT,UK)	C606	1-163-031-11	CERAMIC CHIP	0.01uF 50V
			(CND)				

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C607	1-163-031-11	CERAMIC CHIP	0.01uF 50V	C838	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V
C732	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C839	1-163-237-11	CERAMIC CHIP	27PF 5% 50V
C740	1-126-926-11	ELECT	1000uF 20% 10V	C840	1-126-933-11	ELECT	100uF 20% 10V
C741	1-104-664-11	ELECT	47uF 20% 25V	C841	1-163-243-11	CERAMIC CHIP	47PF 5% 50V
C742	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V	C842	1-163-243-11	CERAMIC CHIP	47PF 5% 50V
C743	1-162-965-11	CERAMIC CHIP	0.0015uF 10% 50V	C843	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C744	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	C844	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C745	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V	C845	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C746	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	C846	1-126-933-11	ELECT	100uF 20% 10V
C747	1-164-232-11	CERAMIC CHIP	0.01uF 50V	C847	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C750	1-126-923-11	ELECT	220uF 20% 10V	C848	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C752	1-163-231-11	CERAMIC CHIP	15PF 5% 50V	C849	1-126-960-11	ELECT	1uF 20% 50V
C753	1-163-231-11	CERAMIC CHIP	15PF 5% 50V	C850	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C754	1-164-232-11	CERAMIC CHIP	0.01uF 50V	C851	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C755	1-163-031-11	CERAMIC CHIP	0.01uF 50V	C852	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V
C756	1-163-031-11	CERAMIC CHIP	0.01uF 50V	C853	1-126-967-11	ELECT	47uF 20% 10V
C757	1-163-031-11	CERAMIC CHIP	0.01uF 50V	C854	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C758	1-163-031-11	CERAMIC CHIP	0.01uF 50V	C855	1-162-974-11	CERAMIC CHIP	0.01uF 50V
C759	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C856	1-163-031-11	CERAMIC CHIP	0.01uF 50V
C760	1-163-031-11	CERAMIC CHIP	0.01uF 50V	C857	1-104-664-11	ELECT	47uF 20% 25V
C761	1-163-031-11	CERAMIC CHIP	0.01uF 50V	C861	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V
C762	1-126-933-11	ELECT	100uF 20% 10V	C862	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C763	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C863	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C764	1-126-963-11	ELECT	4.7uF 20% 50V	C864	1-126-960-11	ELECT	1uF 20% 50V
C773	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	C870	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C774	1-126-963-11	ELECT	4.7uF 20% 50V	C871	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C781	1-164-232-11	CERAMIC CHIP	0.01uF 50V	C872	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C786	1-162-974-11	CERAMIC CHIP	0.01uF 50V	C873	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C787	1-126-923-11	ELECT	220uF 20% 10V	C874	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C789	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C875	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C790	1-136-153-00	FILM	0.01uF 5% 50V			< FILTER >	
C791	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	CF1	1-760-468-11	FILTER, CERAMIC (AEP,IT,UK)	
C795	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	CF1	1-767-557-11	FILTER, CERAMIC (AEP,IT,UK)	
C801	1-163-038-91	CERAMIC CHIP	0.1uF 25V	CF1	1-760-127-11	FILTER, CERAMIC (CND)	
C811	1-164-232-11	CERAMIC CHIP	0.01uF 50V	CF1	1-767-355-11	FILTER, CERAMIC (CND)	
C812	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CF2	1-760-468-11	FILTER, CERAMIC (AEP,IT,UK)	
C813	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CF2	1-767-557-11	FILTER, CERAMIC (AEP,IT,UK)	
C814	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CF2	1-760-127-11	FILTER, CERAMIC (CND)	
C815	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	CF2	1-767-355-11	FILTER, CERAMIC (CND)	
C816	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CF3	1-760-468-11	FILTER, CERAMIC (AEP,IT,UK)	
C817	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	CF3	1-767-557-11	FILTER, CERAMIC (AEP,IT,UK)	
C819	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CF3	1-760-127-11	FILTER, CERAMIC (CND)	
C820	1-164-232-11	CERAMIC CHIP	0.01uF 50V	CF3	1-767-355-11	FILTER, CERAMIC (CND)	
C821	1-164-232-11	CERAMIC CHIP	0.01uF 50V	CF4	1-767-096-11	VIBRATOR, CERAMIC	
C822	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V			< COMPOSITION CIRCUIT BLOCK >	
C823	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	CFT1	1-239-173-11	ENCAPSULATED COMPONENT (AEP,IT,UK)	
C824	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CFT1	1-233-474-11	ENCAPSULATED COMPONENT (CND)	
C825	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V			< CONNECTOR >	
C826	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	* CN301	1-580-158-11	PIN, CONNECTOR (PC BOARD) 6P	
C827	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CN302	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P	
C828	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	* CN352	1-564-507-11	PLUG, CONNECTOR 4P	
C829	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	* CN355	1-564-519-11	PLUG, CONNECTOR 4P	
C830	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	* CN601	1-569-749-11	PIN, CONNECTOR (PC BOARD) 7P	
C831	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	* CN602	1-566-250-11	PIN, CONNECTOR (PC BOARD) 11P	
C832	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	CN740	1-695-380-31	PIN, CONNECTOR (PC BOARD) 19P	
C833	1-163-235-11	CERAMIC CHIP	22PF 5% 50V	* CN802	1-695-335-31	PIN, CONNECTOR (PC BOARD) 12P	
C834	1-163-237-11	CERAMIC CHIP	27PF 5% 50V	* CN803	1-580-169-11	PIN, CONNECTOR (PC BOARD) 8P	
C835	1-104-905-11	CAPACITOR	0.22F 5.5V	* CN804	1-695-331-31	PIN, CONNECTOR (PC BOARD) 8P	
C836	1-164-232-11	CERAMIC CHIP	0.01uF 50V				
C837	1-163-237-11	CERAMIC CHIP	27PF 5% 50V				

# MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< TRIMMER >					
CT1	1-141-410-11	CAP, ADJ 10PF		FB758	1-216-295-91	CONDUCTOR, CHIP (2012)	
CT3	1-141-410-11	CAP, ADJ 10PF		FB759	1-216-295-91	CONDUCTOR, CHIP (2012)(CND)	
CT4	1-141-459-11	CAP, TRIMMER (SEAL TYPE) 45PF (AEP,IT,UK)		FB759	1-500-445-21	INDUCTOR 0UH (AEP,IT,UK)	
CT5	1-141-459-11	CAP, TRIMMER (SEAL TYPE) 45PF (AEP,IT,UK)				< FILTER >	
		< DIODE >		FL1	1-236-711-21	FILTER, BAND PASS	
						< IC >	
D1	8-719-055-86	DIODE KV1470TL1-3		IC1	8-759-386-02	IC TA2008AN	
D2	8-719-055-86	DIODE KV1470TL1-3		IC2	8-759-459-42	IC BU2615FS (AEP,IT,UK)	
D3	8-719-049-75	DIODE KV1520TL00		IC2	8-759-188-85	IC BU2614FS (CND)	
D40	8-719-988-62	DIODE 1SS355		IC301	8-759-449-29	IC M511167BFP-70DC	
D41	8-719-988-62	DIODE 1SS355		IC302	1-809-920-11	IC BA7755A	
				IC351	8-759-100-96	IC UPC4558G2	
D301	8-719-988-62	DIODE 1SS355					
D302	8-719-988-62	DIODE 1SS355		IC352	8-759-442-81	IC M62428FP-600C	
D303	8-719-058-24	DIODE RB501V-40TE-17		IC353	8-759-701-02	IC NJM2073M	
D304	8-719-914-43	DIODE DAN202K		IC354	8-759-439-31	IC LA4601	
D305	8-719-988-62	DIODE 1SS355		IC355	8-759-938-15	IC BA178M05	
				IC356	8-759-636-55	IC M5218AFP	
D306	8-719-914-44	DIODE DAP202K		IC702	8-752-372-94	IC CXD2507AQ	
D351	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC704	8-759-364-34	IC SM5877AM	
D352	8-719-056-85	DIODE UDZ-TE-17-8.2B		IC801	8-752-884-14	IC CXP84124-072Q	
D353	8-719-988-62	DIODE 1SS355		IC805	8-759-438-49	IC S-81256PG-PD-T1	
D355	8-719-977-27	DIODE DTZ10A		IC806	8-759-256-03	IC S-80735AN-DZ-T1	
D601	8-719-988-62	DIODE 1SS355		IC807	8-759-503-60	IC S-80740AN-D4-S	
D602	8-719-988-62	DIODE 1SS355				< JUMPER RESISTOR >	
D603	8-719-988-62	DIODE 1SS355		JR40	1-216-295-91	CONDUCTOR, CHIP (2012) (CND)	
D751	8-719-988-62	DIODE 1SS355		JR41	1-216-295-91	CONDUCTOR, CHIP (2012) (CND)	
D752	8-719-988-62	DIODE 1SS355		JR43	1-216-864-11	METAL CHIP 0 5%	1/16W
				JR44	1-216-864-11	METAL CHIP 0 5%	1/16W (CND)
D753	8-719-988-62	DIODE 1SS355		JR46	1-216-864-11	METAL CHIP 0 5%	1/16W (CND)
D754	8-719-988-62	DIODE 1SS355					
D755	8-719-988-62	DIODE 1SS355		JR49	1-216-864-11	METAL CHIP 0 5%	1/16W
D756	8-719-988-62	DIODE 1SS355		JR501	1-216-295-91	CONDUCTOR, CHIP (2012)	
D801	8-719-914-44	DIODE DAP202K		JR502	1-216-295-91	CONDUCTOR, CHIP (2012)	
				JR503	1-216-295-91	CONDUCTOR, CHIP (2012)	
D802	8-719-914-43	DIODE DAN202K		JR504	1-216-296-91	CONDUCTOR, CHIP (3216)	
D803	8-719-914-44	DIODE DAP202K		JR506	1-216-295-91	CONDUCTOR, CHIP (2012)	
D804	8-719-988-62	DIODE 1SS355				< COIL >	
D805	8-719-914-43	DIODE DAN202K		L1	1-406-994-11	COIL, FM RF	
D806	8-719-988-62	DIODE 1SS355		L2	1-416-128-11	COIL, FM OSC	
				L3	1-416-133-11	COIL, MW ANT (AEP,IT,UK)	
D807	8-719-988-62	DIODE 1SS355		L3	1-411-958-11	COIL, AM ANT (CND)	
D808	8-719-978-61	DIODE DTZ-TT11-13B		L4	1-411-959-11	COIL, AM OSC	
D809	8-719-988-62	DIODE 1SS355		L5	1-416-129-11	COIL, LW ANT (AEP,IT,UK)	
D811	8-719-988-62	DIODE 1SS355					
D812	8-719-914-43	DIODE DAN202K		L8	1-414-142-61	INDUCTOR 1uH	
				L9	1-414-142-61	INDUCTOR 1uH	
D813	8-719-988-62	DIODE 1SS355		L50	1-410-071-11	INDUCTOR 10mH (AEP,IT,UK)	
D814	8-719-988-61	DIODE 1SS355TE-17		L70	1-410-987-11	INDUCTOR CHIP 0.33uH	
D815	8-719-988-61	DIODE 1SS355TE-17					
		< FERRITE BEAD >					
FB751	1-500-445-21	INDUCTOR 0UH (AEP,IT,UK)					
FB751	1-216-295-91	CONDUCTOR, CHIP (2012) (CND)					
FB752	1-500-445-21	INDUCTOR 0UH (AEP,IT,UK)					
FB752	1-216-295-91	CONDUCTOR, CHIP (2012) (CND)					
FB753	1-500-445-21	INDUCTOR 0UH (AEP,IT,UK)					
FB753	1-216-295-91	CONDUCTOR, CHIP (2012) (CND)					
FB754	1-500-444-11	INDUCTOR 0UH (AEP,IT,UK)					
FB754	1-216-864-11	METAL CHIP 0 5%	1/16W (CND)				
FB755	1-216-295-91	CONDUCTOR, CHIP (2012)					
FB756	1-216-295-91	CONDUCTOR, CHIP (2012)					
FB757	1-216-295-91	CONDUCTOR, CHIP (2012)					



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< IC LINK >					
△ PS601	1-576-123-21	LINK, IC					
		< TRANSISTOR >					
Q1	8-729-012-83	TRANSISTOR 2SK679A		Q606	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q3	8-729-904-07	TRANSISTOR FMG2		Q801	8-729-015-34	TRANSISTOR FMA5-T-148	
Q4	8-729-027-59	TRANSISTOR DTC144EKA-T146		Q802	8-729-015-34	TRANSISTOR FMA5-T-148	
Q5	8-729-027-24	TRANSISTOR DTA114TKA-T146		Q803	8-729-904-87	TRANSISTOR 2SB1197K-R	
Q7	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q804	8-729-920-41	TRANSISTOR FMC3	
Q50	8-729-119-32	TRANSISTOR 2SK193 (AEP,IT,UK)		Q805	8-729-931-02	TRANSISTOR 2SC2413KQ	
Q51	8-729-039-73	TRANSISTOR FMA5A-T148 (AEP,IT,UK)		Q806	8-729-931-02	TRANSISTOR 2SC2413KQ	
Q52	8-729-931-02	TRANSISTOR 2SC2413KQ (AEP,IT,UK)		Q807	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q53	8-729-920-38	TRANSISTOR 2SC2059K-N (AEP,IT,UK)		Q808	8-729-903-46	TRANSISTOR 2SB1132-P	
Q54	8-729-920-31	TRANSISTOR DTC343TK (AEP,IT,UK)		Q809	8-729-015-34	TRANSISTOR FMA5-T-148	
Q55	8-729-931-02	TRANSISTOR 2SC2413KQ (AEP,IT,UK)		Q810	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q56	8-729-920-31	TRANSISTOR DTC343TK (AEP,IT,UK)		Q811	8-729-027-60	TRANSISTOR DTC144TKA-T146	
Q101	8-729-920-31	TRANSISTOR DTC343TK		Q812	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q103	8-729-012-83	TRANSISTOR 2SK679A		Q813	8-729-920-85	TRANSISTOR 2SD1664-QR	
Q104	8-729-027-24	TRANSISTOR DTA114TKA-T146				< RESISTOR >	
Q151	8-729-027-60	TRANSISTOR DTC144TKA-T146		R1	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
Q152	8-729-920-31	TRANSISTOR DTC343TK		R2	1-216-021-00	METAL CHIP 68 5%	1/10W
Q153	8-729-920-31	TRANSISTOR DTC343TK		R3	1-216-081-00	METAL CHIP 22K 5%	1/10W
Q154	8-729-027-60	TRANSISTOR DTC144TKA-T146		R4	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
Q161	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R5	1-216-833-11	METAL CHIP 10K 5%	1/16W
Q201	8-729-920-31	TRANSISTOR DTC343TK		R6	1-216-833-11	METAL CHIP 10K 5%	1/16W
Q203	8-729-012-83	TRANSISTOR 2SK679A		R7	1-216-813-11	METAL CHIP 220 5%	1/16W
Q204	8-729-027-24	TRANSISTOR DTA114TKA-T146		R8	1-216-819-11	METAL CHIP 680 5%	1/16W
Q251	8-729-027-60	TRANSISTOR DTC144TKA-T146		R9	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q252	8-729-920-31	TRANSISTOR DTC343TK		R10	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
Q253	8-729-920-31	TRANSISTOR DTC343TK		R11	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q254	8-729-027-60	TRANSISTOR DTC144TKA-T146		R11	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
Q261	8-729-120-28	TRANSISTOR 2SC1623-L5L6					(AEP,IT,UK)
Q302	8-729-105-37	TRANSISTOR 2SC3360		R12	1-216-041-00	METAL CHIP 470 5%	1/10W
Q303	8-729-105-37	TRANSISTOR 2SC3360					(AEP,IT,UK)
Q304	8-729-800-34	TRANSISTOR 2SC3070		R12	1-216-049-91	METAL GLAZE 1K 5%	1/10W
Q305	8-729-101-07	TRANSISTOR 2SB798-DL					(CND)
Q306	8-729-027-46	TRANSISTOR DTC114YKA-T146		R13	1-216-097-91	METAL GLAZE 100K 5%	1/10W
Q307	8-729-920-41	TRANSISTOR FMC3		R15	1-216-049-91	METAL GLAZE 1K 5%	1/10W
Q308	8-729-027-46	TRANSISTOR DTC114YKA-T146		R16	1-216-105-91	METAL GLAZE 220K 5%	1/10W
Q351	8-729-903-46	TRANSISTOR 2SB1132-P		R17	1-216-037-00	METAL CHIP 330 5%	1/10W
Q352	8-729-027-46	TRANSISTOR DTC114YKA-T146		R18	1-216-033-00	METAL CHIP 220 5%	1/10W
Q353	8-729-027-26	TRANSISTOR DTA114YKA-T146		R19	1-216-295-91	CONDUCTOR, CHIP (2012)	
Q354	8-729-027-46	TRANSISTOR DTC114YKA-T146		R21	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q355	8-729-920-41	TRANSISTOR FMC3		R22	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q356	8-729-119-78	TRANSISTOR 2SC403SP-51		R23	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q357	8-729-019-00	TRANSISTOR 2SD2394-G		R24	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q358	8-729-019-00	TRANSISTOR 2SD2394-G		R25	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q359	8-729-021-82	TRANSISTOR 2SD2396K		R26	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q360	8-729-920-41	TRANSISTOR FMC3		R27	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q361	8-729-027-26	TRANSISTOR DTA114YKA-T146		R28	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q362	8-729-920-41	TRANSISTOR FMC3		R31	1-216-049-91	METAL GLAZE 1K 5%	1/10W
Q364	8-729-920-41	TRANSISTOR FMC3		R32	1-216-845-11	METAL CHIP 100K 5%	1/16W
Q365	8-729-027-46	TRANSISTOR DTC114YKA-T146		R34	1-216-049-91	METAL GLAZE 1K 5%	1/10W
Q366	8-729-027-26	TRANSISTOR DTA114YKA-T146		R35	1-216-025-91	METAL GLAZE 100 5%	1/10W
Q601	8-729-015-34	TRANSISTOR FMA5-T-148		R36	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q602	8-729-920-85	TRANSISTOR 2SD1664-QR		R37	1-216-833-11	METAL CHIP 10K 5%	1/16W
Q603	8-729-924-79	TRANSISTOR FMG8		R40	1-216-813-11	METAL CHIP 220 5%	1/16W
Q604	8-729-920-85	TRANSISTOR 2SD1664-QR		R41	1-216-835-11	METAL CHIP 15K 5%	1/16W
Q605	8-729-801-84	TRANSISTOR 2SB1013-4		R42	1-216-097-91	METAL GLAZE 100K 5%	1/10W

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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**MAIN**

Ref. No.	Part No.	Description	Quantity	Unit	Remarks	Ref. No.	Part No.	Description	Quantity	Unit	Remarks
R43	1-216-845-11	METAL CHIP	100K	5%	1/16W	R213	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R44	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R214	1-216-843-11	METAL CHIP	68K	5%	1/16W
R54	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R215	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
					(AEP,IT,UK)	R251	1-216-085-00	METAL CHIP	33K	5%	1/10W
R55	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R252	1-216-073-00	METAL CHIP	10K	5%	1/10W
					(AEP,IT,UK)						
R56	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R253	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
					(AEP,IT,UK)	R254	1-216-109-00	METAL CHIP	330K	5%	1/10W
R57	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R255	1-216-085-00	METAL CHIP	33K	5%	1/10W
					(AEP,IT,UK)	R256	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R58	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R257	1-216-835-11	METAL CHIP	15K	5%	1/16W
					(AEP,IT,UK)						
R59	1-216-295-91	CONDUCTOR, CHI (2012)			(AEP,IT,UK)	R258	1-216-857-11	METAL CHIP	1M	5%	1/16W
R60	1-216-819-11	METAL CHIP	680	5%	1/16W	R259	1-216-049-91	METAL GLAZE	1K	5%	1/10W
					(AEP,IT,UK)	R260	1-216-821-11	METAL CHIP	1K	5%	1/16W
R70	1-216-073-00	METAL CHIP	10K	5%	1/10W	R261	1-216-821-11	METAL CHIP	1K	5%	1/16W
						R265	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R101	1-216-075-00	METAL CHIP	12K	5%	1/10W	R266	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R102	1-216-805-11	METAL CHIP	47	5%	1/16W	R267	1-216-821-11	METAL CHIP	1K	5%	1/16W
R103	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	R269	1-216-836-11	METAL CHIP	18K	5%	1/16W
R104	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R270	1-216-836-11	METAL CHIP	18K	5%	1/16W
R105	1-216-836-11	METAL CHIP	18K	5%	1/16W	R271	1-216-063-91	METAL GLAZE	3.9K	5%	1/10W
R106	1-216-823-11	METAL CHIP	1.5K	5%	1/16W	R272	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R107	1-216-083-00	METAL CHIP	27K	5%	1/10W	R273	1-216-295-91	CONDUCTOR, CHIP (2012)			
R108	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R275	1-216-841-11	METAL CHIP	47K	5%	1/16W
R110	1-216-833-11	METAL CHIP	10K	5%	1/16W	R276	1-216-821-11	METAL CHIP	1K	5%	1/16W
R112	1-216-836-11	METAL CHIP	18K	5%	1/16W	R280	1-216-821-11	METAL CHIP	1K	5%	1/16W
R113	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R301	1-216-013-00	METAL CHIP	33	5%	1/10W
R114	1-216-843-11	METAL CHIP	68K	5%	1/16W	R302	1-216-121-91	METAL GLAZE	1M	5%	1/10W
R115	1-216-051-00	METAL CHIP	1.2K	5%	1/10W	R303	1-216-113-00	METAL CHIP	470K	5%	1/10W
R151	1-216-085-00	METAL CHIP	33K	5%	1/10W	R304	1-216-041-00	METAL CHIP	470	5%	1/10W
R152	1-216-073-00	METAL CHIP	10K	5%	1/10W	R305	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R153	1-216-823-11	METAL CHIP	1.5K	5%	1/16W	R306	1-216-073-00	METAL CHIP	10K	5%	1/10W
R154	1-216-109-00	METAL CHIP	330K	5%	1/10W	R307	1-216-073-00	METAL CHIP	10K	5%	1/10W
R155	1-216-085-00	METAL CHIP	33K	5%	1/10W	R308	1-216-073-00	METAL CHIP	10K	5%	1/10W
R156	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R309	1-216-845-11	METAL CHIP	100K	5%	1/16W
R157	1-216-835-11	METAL CHIP	15K	5%	1/16W	R310	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R158	1-216-857-11	METAL CHIP	1M	5%	1/16W	R312	1-216-081-00	METAL CHIP	22K	5%	1/10W
R159	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R313	1-216-174-00	METAL GLAZE	100	5%	1/8W
R160	1-216-821-11	METAL CHIP	1K	5%	1/16W	R314	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R161	1-216-821-11	METAL CHIP	1K	5%	1/16W	R315	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R165	1-216-298-00	METAL CHIP	2.2	5%	1/10W	R316	1-216-805-11	METAL CHIP	47	5%	1/16W
R166	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R317	1-216-849-11	METAL CHIP	220K	5%	1/16W
R167	1-216-821-11	METAL CHIP	1K	5%	1/16W	R318	1-216-308-00	METAL CHIP	4.7	5%	1/10W
R169	1-216-836-11	METAL CHIP	18K	5%	1/16W	R319	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R170	1-216-836-11	METAL CHIP	18K	5%	1/16W	R320	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R171	1-216-063-91	METAL GLAZE	3.9K	5%	1/10W	R321	1-216-073-00	METAL CHIP	10K	5%	1/10W
R172	1-216-097-91	METAL GLAZE	100K	5%	1/10W	R322	1-216-845-11	METAL CHIP	100K	5%	1/16W
R173	1-216-295-91	CONDUCTOR, CHIP (2012)				R323	1-216-841-11	METAL CHIP	47K	5%	1/16W
R175	1-216-841-11	METAL CHIP	47K	5%	1/16W	R324	1-216-025-91	METAL GLAZE	100	5%	1/10W
R176	1-216-821-11	METAL CHIP	1K	5%	1/16W	R325	1-216-815-11	METAL CHIP	330	5%	1/16W
R180	1-216-821-11	METAL CHIP	1K	5%	1/16W	R326	1-216-845-11	METAL CHIP	100K	5%	1/16W
R201	1-216-075-00	METAL CHIP	12K	5%	1/10W	R327	1-216-857-11	METAL CHIP	1M	5%	1/16W
R202	1-216-805-11	METAL CHIP	47	5%	1/16W	R328	1-216-821-11	METAL CHIP	1K	5%	1/16W
R203	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	R351	1-216-833-11	METAL CHIP	10K	5%	1/16W
R204	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R352	1-216-821-11	METAL CHIP	1K	5%	1/16W
R205	1-216-836-11	METAL CHIP	18K	5%	1/16W	R353	1-216-845-11	METAL CHIP	100K	5%	1/16W
R206	1-216-823-11	METAL CHIP	1.5K	5%	1/16W	R354	1-216-821-11	METAL CHIP	1K	5%	1/16W
R207	1-216-083-00	METAL CHIP	27K	5%	1/10W	R355	1-216-001-00	METAL CHIP	10	5%	1/10W
R208	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R356	1-216-073-00	METAL CHIP	10K	5%	1/10W
R210	1-216-073-00	METAL CHIP	10K	5%	1/10W	R358	1-216-037-00	METAL CHIP	330	5%	1/10W
R212	1-216-836-11	METAL CHIP	18K	5%	1/16W	R360	1-216-037-00	METAL CHIP	330	5%	1/10W

Ref. No.	Part No.	Description	Quantity	Unit	Material	Remarks	Ref. No.	Part No.	Description	Quantity	Unit	Material	Remarks
R361	1-216-041-00	METAL CHIP	470		5%	1/10W	R757	1-216-821-11	METAL CHIP	1K		5%	1/16W
R363	1-216-073-00	METAL CHIP	10K		5%	1/10W	R758	1-216-821-11	METAL CHIP	1K		5%	1/16W
R364	1-216-029-00	METAL CHIP	150		5%	1/10W	R759	1-216-821-11	METAL CHIP	1K		5%	1/16W
R365	1-216-057-00	METAL CHIP	2.2K		5%	1/10W	R760	1-216-821-11	METAL CHIP	1K		5%	1/16W
R366	1-216-025-91	METAL GLAZE	100		5%	1/10W	R761	1-216-821-11	METAL CHIP	1K		5%	1/16W
R367	1-216-029-00	METAL CHIP	150		5%	1/10W	R762	1-216-049-91	METAL GLAZE	1K		5%	1/10W
R368	1-216-017-91	METAL GLAZE	47		5%	1/10W	R763	1-216-821-11	METAL CHIP	1K		5%	1/16W
R369	1-216-041-00	METAL CHIP	470		5%	1/10W	R764	1-216-821-11	METAL CHIP	1K		5%	1/16W
R370	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R765	1-216-049-91	METAL GLAZE	1K		5%	1/10W
R371	1-216-057-00	METAL CHIP	2.2K		5%	1/10W	R766	1-216-821-11	METAL CHIP	1K		5%	1/16W
R372	1-216-025-91	METAL GLAZE	100		5%	1/10W	R767	1-216-049-91	METAL GLAZE	1K		5%	1/10W
R373	1-216-073-00	METAL CHIP	10K		5%	1/10W	R770	1-216-049-91	METAL GLAZE	1K		5%	1/10W
R374	1-216-073-00	METAL CHIP	10K		5%	1/10W	R772	1-216-833-11	METAL CHIP	10K		5%	1/16W
R395	1-216-073-00	METAL CHIP	10K		5%	1/10W	R773	1-216-821-11	METAL CHIP	1K		5%	1/16W
R396	1-216-065-00	METAL CHIP	4.7K		5%	1/10W	R774	1-216-821-11	METAL CHIP	1K		5%	1/16W
R397	1-216-073-00	METAL CHIP	10K		5%	1/10W	R776	1-216-049-91	METAL GLAZE	1K		5%	1/10W
R398	1-216-174-00	METAL GLAZE	100		5%	1/8W	R778	1-216-809-11	METAL CHIP	100		5%	1/16W
R399	1-216-833-11	METAL CHIP	10K		5%	1/16W	R786	1-216-821-11	METAL CHIP	1K		5%	1/16W
R601	1-216-817-11	METAL CHIP	470		5%	1/16W	R787	1-216-821-11	METAL CHIP	1K		5%	1/16W
R602	1-216-222-00	METAL GLAZE	10K		5%	1/8W	R788	1-216-821-11	METAL CHIP	1K		5%	1/16W
R603	1-216-833-11	METAL CHIP	10K		5%	1/16W	R789	1-216-821-11	METAL CHIP	1K		5%	1/16W
R604	1-216-839-11	METAL CHIP	33K		5%	1/16W	R790	1-216-821-11	METAL CHIP	1K		5%	1/16W
R605	1-216-833-11	METAL CHIP	10K		5%	1/16W	R791	1-216-821-11	METAL CHIP	1K		5%	1/16W
R606	1-216-817-11	METAL CHIP	470		5%	1/16W	R792	1-216-073-00	METAL CHIP	10K		5%	1/10W
R607	1-216-097-91	METAL GLAZE	100K		5%	1/10W	R793	1-216-821-11	METAL CHIP	1K		5%	1/16W
R608	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R794	1-216-073-00	METAL CHIP	10K		5%	1/10W
R609	1-216-833-11	METAL CHIP	10K		5%	1/16W	R795	1-216-073-00	METAL CHIP	10K		5%	1/10W
R610	1-216-833-11	METAL CHIP	10K		5%	1/16W	R800	1-216-113-00	METAL CHIP	470K		5%	1/10W
R611	1-216-833-11	METAL CHIP	10K		5%	1/16W	R801	1-216-073-00	METAL CHIP	10K		5%	1/10W
R612	1-216-833-11	METAL CHIP	10K		5%	1/16W	R802	1-216-864-11	METAL CHIP	0		5%	1/16W (AEP,IT,UK)
R613	1-216-839-11	METAL CHIP	33K		5%	1/16W	R802	1-216-832-11	METAL CHIP	8.2K		5%	1/16W (CND)
R614	1-216-833-11	METAL CHIP	10K		5%	1/16W	R803	1-216-829-11	METAL CHIP	4.7K		5%	1/16W
R615	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R804	1-216-041-00	METAL CHIP	470		5%	1/10W
R616	1-216-097-91	METAL GLAZE	100K		5%	1/10W	R805	1-216-065-00	METAL CHIP	4.7K		5%	1/10W
R617	1-216-097-91	METAL GLAZE	100K		5%	1/10W	R806	1-216-113-00	METAL CHIP	470K		5%	1/10W
R618	1-216-065-00	METAL CHIP	4.7K		5%	1/10W	R807	1-216-841-11	METAL CHIP	47K		5%	1/16W
R619	1-216-065-00	METAL CHIP	4.7K		5%	1/10W	R808	1-216-849-11	METAL CHIP	220K		5%	1/16W
R620	1-216-821-11	METAL CHIP	1K		5%	1/16W	R809	1-216-833-11	METAL CHIP	10K		5%	1/16W
R621	1-216-821-11	METAL CHIP	1K		5%	1/16W	R810	1-216-833-11	METAL CHIP	10K		5%	1/16W
R622	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R811	1-216-833-11	METAL CHIP	10K		5%	1/16W
R623	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R812	1-216-833-11	METAL CHIP	10K		5%	1/16W
R711	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R813	1-216-821-11	METAL CHIP	1K		5%	1/16W
R715	1-216-821-11	METAL CHIP	1K		5%	1/16W	R814	1-216-833-11	METAL CHIP	10K		5%	1/16W
R730	1-216-839-11	METAL CHIP	33K		5%	1/16W	R815	1-216-821-11	METAL CHIP	1K		5%	1/16W
R737	1-216-809-11	METAL CHIP	100		5%	1/16W	R816	1-216-833-11	METAL CHIP	10K		5%	1/16W
R738	1-216-809-11	METAL CHIP	100		5%	1/16W	R817	1-216-031-00	METAL CHIP	180		5%	1/10W
R740	1-216-827-11	METAL CHIP	3.3K		5%	1/16W	R818	1-216-201-11	METAL GLAZE	1.3K		5%	1/8W
R741	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R819	1-216-833-11	METAL CHIP	10K		5%	1/16W
R742	1-216-827-11	METAL CHIP	3.3K		5%	1/16W	R820	1-216-833-11	METAL CHIP	10K		5%	1/16W
R743	1-216-857-11	METAL CHIP	1M		5%	1/16W	R821	1-216-829-11	METAL CHIP	4.7K		5%	1/16W
R744	1-216-849-11	METAL CHIP	220K		5%	1/16W	R822	1-216-833-11	METAL CHIP	10K		5%	1/16W
R745	1-216-833-11	METAL CHIP	10K		5%	1/16W	R823	1-216-809-11	METAL CHIP	100		5%	1/16W
R746	1-216-089-91	METAL GLAZE	47K		5%	1/10W	R824	1-216-833-11	METAL CHIP	10K		5%	1/16W
R747	1-216-821-11	METAL CHIP	1K		5%	1/16W	R825	1-216-829-11	METAL CHIP	4.7K		5%	1/16W
R748	1-216-809-11	METAL CHIP	100		5%	1/16W	R826	1-216-821-11	METAL CHIP	1K		5%	1/16W
R749	1-216-809-11	METAL CHIP	100		5%	1/16W	R827	1-216-833-11	METAL CHIP	10K		5%	1/16W
R750	1-216-049-91	METAL GLAZE	1K		5%	1/10W	R828	1-216-833-11	METAL CHIP	10K		5%	1/16W
R751	1-216-821-11	METAL CHIP	1K		5%	1/16W	R829	1-216-833-11	METAL CHIP	10K		5%	1/16W
R754	1-216-821-11	METAL CHIP	1K		5%	1/16W	R830	1-216-833-11	METAL CHIP	10K		5%	1/16W
R756	1-216-809-11	METAL CHIP	100		5%	1/16W	R831	1-216-821-11	METAL CHIP	1K		5%	1/16W

**MAIN**

**POWER**

Ref. No.	Part No.	Description	Quantity	Value	Remarks
R832	1-216-833-11	METAL CHIP	10K	5%	1/16W
R833	1-216-821-11	METAL CHIP	1K	5%	1/16W
R834	1-216-073-11	METAL CHIP	10K	5%	1/10W
R835	1-216-821-11	METAL CHIP	1K	5%	1/16W
R836	1-216-833-11	METAL CHIP	10K	5%	1/16W
R837	1-216-821-11	METAL CHIP	1K	5%	1/16W
R838	1-216-833-11	METAL CHIP	10K	5%	1/16W
R839	1-216-821-11	METAL CHIP	1K	5%	1/16W
R840	1-216-821-11	METAL CHIP	1K	5%	1/16W
R841	1-216-833-11	METAL CHIP	10K	5%	1/16W
R842	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R843	1-216-833-11	METAL CHIP	10K	5%	1/16W
R844	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R845	1-216-833-11	METAL CHIP	10K	5%	1/16W
R846	1-216-833-11	METAL CHIP	10K	5%	1/16W
R847	1-216-833-11	METAL CHIP	10K	5%	1/16W
R848	1-216-821-11	METAL CHIP	1K	5%	1/16W
R849	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R850	1-216-821-11	METAL CHIP	1K	5%	1/16W
R851	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R852	1-216-833-11	METAL CHIP	10K	5%	1/16W
R853	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R854	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R855	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R856	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R857	1-216-833-11	METAL CHIP	10K	5%	1/16W
R858	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R859	1-216-833-11	METAL CHIP	10K	5%	1/16W
R860	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R861	1-216-833-11	METAL CHIP	10K	5%	1/16W
R862	1-216-833-11	METAL CHIP	10K	5%	1/16W
R863	1-216-821-11	METAL CHIP	1K	5%	1/16W
R864	1-216-821-11	METAL CHIP	1K	5%	1/16W
R865	1-216-833-11	METAL CHIP	10K	5%	1/16W
R866	1-216-821-11	METAL CHIP	1K	5%	1/16W
R867	1-216-201-11	METAL GLAZE	1.3K	5%	1/8W
R868	1-216-821-11	METAL CHIP	1K	5%	1/16W
R869	1-216-821-11	METAL CHIP	1K	5%	1/16W
R870	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R871	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R872	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R873	1-216-821-11	METAL CHIP	1K	5%	1/16W
R874	1-216-833-11	METAL CHIP	10K	5%	1/16W
R875	1-216-073-00	METAL CHIP	10K	5%	1/10W
R876	1-216-833-11	METAL CHIP	10K	5%	1/16W
R877	1-216-819-11	METAL CHIP	680	5%	1/16W
R878	1-216-821-11	METAL CHIP	1K	5%	1/16W
R879	1-216-821-11	METAL CHIP	1K	5%	1/16W
R880	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R881	1-216-821-11	METAL CHIP	1K	5%	1/16W
R882	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R883	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R884	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R885	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R886	1-216-821-11	METAL CHIP	1K	5%	1/16W
R887	1-216-833-11	METAL CHIP	10K	5%	1/16W
R888	1-216-809-11	METAL CHIP	100	5%	1/16W
R889	1-216-821-11	METAL CHIP	1K	5%	1/16W
R890	1-216-833-11	METAL CHIP	10K	5%	1/16W
R891	1-216-829-11	METAL CHIP	4.7K	5%	1/16W

Ref. No.	Part No.	Description	Quantity	Value	Remarks
R892	1-216-818-11	METAL CHIP	560	5%	1/16W
R893	1-216-073-00	METAL CHIP	10K	5%	1/10W
R894	1-216-073-00	METAL CHIP	10K	5%	1/10W
R895	1-216-073-00	METAL CHIP	10K	5%	1/10W
R896	1-216-817-11	METAL CHIP	470	5%	1/16W
R897	1-216-821-11	METAL CHIP	1K	5%	1/16W
R898	1-216-833-11	METAL CHIP	10K	5%	1/16W
R899	1-216-817-11	METAL CHIP	470	5%	1/16W
R900	1-216-809-11	METAL CHIP	100	5%	1/16W
R901	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R902	1-216-833-11	METAL CHIP	10K	5%	1/16W
R903	1-216-073-00	METAL CHIP	10K	5%	1/10W
< VARIABLE RESISTOR >					
RV601	1-238-076-11	RES, ADJ, CARBON 5K			
< SWITCH >					
S801	1-554-088-00	SWITCH, KEY BOARD (RESET)			
< TRANSFORMER >					
T301	1-429-820-11	TRANSFORMER, BIAS OSCILLATION			
< TERMINAL >					
* TB2	1-580-154-11	PIN, CONNECTOR (PC BOARD) 2P			
< VIBRATOR >					
X1	1-760-130-11	VIBRATOR, CRYSTAL 75kHz			
X701	1-767-226-11	VIBRATOR, CRYSTAL 16.9344MHz			
X801	1-579-901-11	OSCILLATOR, CERAMIC 4.194MHz			
X802	1-760-105-11	VIBRATOR, CRYSTAL 32.768kHz			
*****					
* 1-662-768-21	POWER BOARD (AEP,IT,UK)				
*****					
* 1-662-768-13	POWER BOARD (CND)				
*****					
< CAPACITOR >					
C901	1-130-495-00	MYLAR	0.1uF	5%	50V (AEP,IT,UK)
C901	1-130-487-00	MYLAR	0.022uF	5%	50V (CND)
C902	1-130-495-00	MYLAR	0.1uF	5%	50V (AEP,IT,UK)
C902	1-130-487-00	MYLAR	0.022uF	5%	50V (CND)
C903	1-130-495-00	MYLAR	0.1uF	5%	50V (AEP,IT,UK)
C903	1-130-487-00	MYLAR	0.022uF	5%	50V (CND)
C904	1-130-495-00	MYLAR	0.1uF	5%	50V (AEP,IT,UK)
C904	1-130-487-00	MYLAR	0.022uF	5%	50V (CND)
C906	1-115-877-11	ELECT	4700uF	20%	25V
< CONNECTOR >					
* CN901	1-564-519-11	PLUG, CONNECTOR 4P			
* CN902	1-580-163-11	PIN, CONNECTOR (PC BOARD) 2P			

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< DIODE >				*****	
D901	8-719-046-47	DIODE 1N5401TM		*	1-564-518-11	PLUG, CONNECTOR 3P	
D902	8-719-046-47	DIODE 1N5401TM		*	1-564-520-11	PLUG, CONNECTOR 5P	
D903	8-719-046-47	DIODE 1N5401TM			1-580-168-11	PIN, CONNECTOR (PC BOARD) 7P	
D904	8-719-046-47	DIODE 1N5401TM			1-762-810-11	SWITCH, LEAF	
		< FUSE >			1-762-811-11	SWITCH, LEAF	
△F901	1-532-464-31	FUSE (AEP,IT,UK)		*	1-766-594-11	PIN, CONNECTOR (PC BOARD) 11P	
△F901	1-533-690-11	FUSE, GLASS CYLINDRICAL (DIA.5) (CND)			1-801-455-11	PHOTO REFLECTOR	
		< HOLDER >		55	1-777-642-11	WIRE, PARALLEL (FFC) (19 CORE)	
FH901	1-533-217-31	HOLDER, FUSE		57	1-777-494-11	WIRE, PARALLEL (FFC) (16 CORE)	
FH902	1-533-217-31	HOLDER, FUSE		110	1-777-640-11	WIRE, PARALLEL (FFC) (12 CORE)	
		< JACK >			116	1-777-641-11	WIRE, PARALLEL (FFC) (8 CORE)
△J901	1-526-838-11	INLET, AC 2P (AC IN) (AEP,IT,UK)		151	1-777-444-11	WIRE	
△J901	1-540-009-11	INLET, AC (AC IN) (CND)		*	1-662-742-11	SW BOARD	
		< LINE FILTER TRANSFORMER >		227	1-454-782-11	PLUNGER	
△LF901	1-402-663-11	LINE FILTER TRANSFORMER (AEP,IT,UK)		*	1-662-743-11	HEAD BOARD	
		< TRANSFORMER >			ANT1	1-501-862-11	ANTENNA, LOOP
△T901	1-431-308-11	TRANSFORMER, POWER (AEP,IT,UK)			ANT2	1-501-861-11	ANTENNA, TELESCOPIC
		*****			HP301	X-3372-609-1	HEAD (A) ASSY
*	1-662-764-21	RMC BOAR (AEP,IT,UK)			HRPE301	X-3372-616-1	HEAD (B) ASSY
		*****			M691	X-3372-608-1	MOTOR ASSY
*	1-662-764-13	RMC BOARD (CND)			M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTER
		*****			M702	X-2626-272-1	CHASSIS ASSY (MB), MOTER
		< CAPACITOR >			SP301	1-505-420-11	SPEAKER (8CM)
C401	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V			SP302	1-505-420-11	SPEAKER (8CM)
C402	1-126-163-11	ELECT 4.7uF 20% 50V		△T901	1-431-309-11	TRANSFORMER, POWER	
C403	1-163-031-11	CERAMIC CHIP 0.01uF 50V				*****	
		< DIODE >				ACCESSORIES & PACKING MATERIALS	
D406	8-719-061-52	DIODE L-974HD-TNR5/3.9 (OPR/BATT)				*****	
		< IC >			1-590-147-11	CORD, POWER	
IC401	8-749-011-03	IC GP1U26X			1-769-412-11	CORD, POWER	
		< RESISTOR >			1-770-019-11	ADAPTOR, CONVERSION PLUG 3P	
R409	1-216-039-00	METAL CHIP 390 5% 1/10W		*	3-007-492-01	CUSHION (TOP)	
		*****		*	3-007-493-01	CUSHION (BOTTOM)	
		MISCELLANEOUS			3-858-006-12	MANUAL, INSTRUCTION (AEP,UK)	
						(ENGLISH, GERMAN)	
					3-858-006-22	MANUAL, INSTRUCTION (AEP)	
						(FRENCH, SPANISH)	
					3-858-006-32	MANUAL, INSTRUCTION (AEP)	
						(DUTCH, SWEDISH, PORTUGUESE)	
					3-858-006-42	MANUAL, INSTRUCTION (IT) (ITALIAN)	
					3-858-006-52	MANUAL, INSTRUCTION (CANADIAN)	
						(ENGLISH, FRENCH)	
				*	4-941-548-01	LABEL, CLASS (1)	
					8-917-595-90	REMOTE COMMANDER RMT-CD1A (CND)	
					8-917-600-90	REMOTE COMMANDER, RMT-CD1AD SET	
						(AEP, UK, IT)	
						*****	

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

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

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
		***** HARDWARE LIST *****		#6	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
				#7	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
				#8	7-621-775-10	SCREW +B 2.6X4	
				#9	7-685-255-14	SCREW +KTP 2.6X6 TYPE2 N-S	
				#10	7-685-233-19	SCREW +K 2.6X6 TYPE2 N-S	
#1	7-621-772-20	SCREW +B 2X5					
#2	7-682-548-04	SCREW +B 3X8					
#3	Y7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S					
#4	Y7-685-135-19	SCREW +BTP 2.6X10 TYPE2 N-S					
#5	Y7-685-647-79	SCREW +BT 3X10 TYPE2 N-S					