

# TC-KE200/KE300/KE400S/RX300

## SERVICE MANUAL

Ver 1.1 2001.05

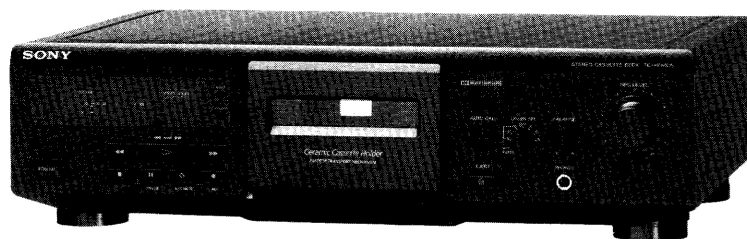


Photo : TC-KE400S

*US Model*  
TC-KE400S

*Canadian Model*  
TC-RX300


*AEP Model*  
TC-KE200/KE300/KE400S

*UK Model*  
TC-KE200/KE400S

*E Model*  
TC-KE300

*Australian Model*  
TC-KE300/KE400S

• Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

“DOLBY”, the double-D symbol  and “HX PRO” are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism	TC-K215/K361/K461S/RX361
Tape Transport Mechanism Type	TC-KE200 : TCM-190VB22CS TC-KE300/KE400S : TCM-190VB12CS TC-RX300 : TCM-190RB12C

### SPECIFICATIONS

#### System

#### Recording system

4-track 2-channel stereo

#### Fast winding time (approx.)

90 sec. (with Sony C-60 cassette)

#### Bias

AC bias

#### Heads

Erasing head × 1 (F&F head)  
Playing/Recording head × 1 (SD head)

#### Motors

Capstan motor × 1 (DC servo motor)  
Reel motor × 1 (DC motor)

#### Signal-to-noise ratio (at peak level, weighted, and with Dolby NR off)

Type I tape, Sony Type I (NORMAL): 55 dB  
Type II tape, Sony Type II (HIGH): 57 dB  
Type IV tape, Sony Type IV (METAL): 58 dB

#### S/N ratio improvement (approximate values)

With Dolby B NR on: 5 dB at 1 kHz, 10 dB at 5 kHz  
With Dolby C NR on: 15 dB at 500 Hz, 20 dB at 1 kHz

#### Harmonic distortion

0.4% (with Type I tape, Sony Type I (NORMAL):  
160n Wb/m 315 Hz, 3rd H.D.)  
1.8% (with Type IV tape, Sony Type IV (METAL):  
250n Wb/m 315 Hz, 3rd H.D.)

#### Frequency response (Dolby NR off)

Type I tape, Sony Type I (NORMAL) :  
EXCEPT KE200  
30- 15,000 Hz ( ± 3 dB, IEC)  
20- 16,000 Hz ( ± 6 dB)  
KE200  
30- 14,000 Hz ( ± 3 dB, IEC)  
20- 15,000 Hz ( ± 6 dB)  
Type II tape, Sony Type II (HIGH) :  
EXCEPT KE200  
30- 16,000 Hz ( ± 3 dB, IEC)  
20- 17,000 Hz ( ± 6 dB)  
KE200  
30- 15,000 Hz ( ± 3 dB, IEC)  
20- 16,000 Hz ( ± 6 dB)

— Continued on page 2 —

## STEREO CASSETTE DECK

# SONY®

9-960-660-12  
2001E0200-1  
© 2001.5

**Sony Corporation**  
Home Audio Company  
Shinagawa Tec Service Manual Production Group

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Type IV tape, Sony Type IV (METAL) :

EXCEPT KE200

30- 18,000 Hz ( ± 3 dB, IEC)

30- 13,000 Hz ( ± 3 dB, - 4 dB recording)

20- 19,000 Hz ( ± 6 dB)

KE200

30- 15,000 Hz ( ± 3 dB, IEC)

30- 13,000 Hz ( ± 3 dB, - 4 dB recording)

20- 16,000 Hz ( ± 6 dB)

### Wow and flutter

± 0.13% W. Peak (IEC)

0.07% W. RMS (NAB)

±0.18% W. Peak (DIN)

### Inputs

#### Line inputs (phono jacks)

Sensitivity: 0.16 V

Input impedance: 47 kilohms

### Outputs

#### Line outputs (phono jacks)

Rated output level: 0.5 V at a load impedance of  
47 kilohms

Load impedance: Over 10 kilohms

#### Headphones (stereo phone jack)

Output level: 0.25 mW at a load impedance of  
32 ohms

### General

#### Power requirements

Where purchased	Power requirements
US, Canadian model :	120 V AC, 60 Hz
AEP, UK, German, Malaysia, Singapore model :	220 - 230 V AC, 50/60 Hz
Australian model :	240 V AC, 50/60 Hz
E model :	110 - 120 V or 220 - 240 V AC, 50/60 Hz adjustable with the voltage selector

#### Power consumption

19 W (EXCEPT KE400S)

20 W (KE400S)

#### Dimensions (approx.) (w/h/d)

430 × 120 × 310 mm (17 × 4 1/4 × 12 1/4 inches)

incl. projecting parts and controls

#### Mass (approx.)

3.5 kg (7 lbs 11 oz)

### Supplied accessories

Audio connecting cords (2)

Design and specifications are subject to change without notice.

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## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

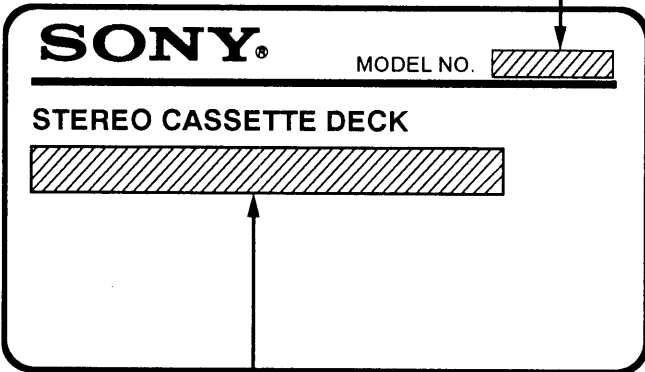
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE TEST

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

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

### MODEL IDENTIFICATION



TC-KE200  
TC-KE300  
TC-KE400S  
TC-RX300

US, Canadian model : AC 120V 60Hz  
Australian model : AC 240V~50/60Hz  
AEP, UK, German, Malaysia,  
Singapore model : AC 220-230V~50/60Hz  
E model : AC 110-120V or 220-240V~50/60Hz

### SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT  
À LA SÉCURITÉ!

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

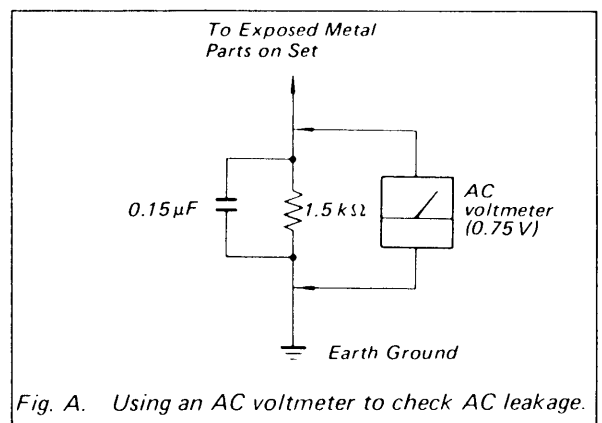
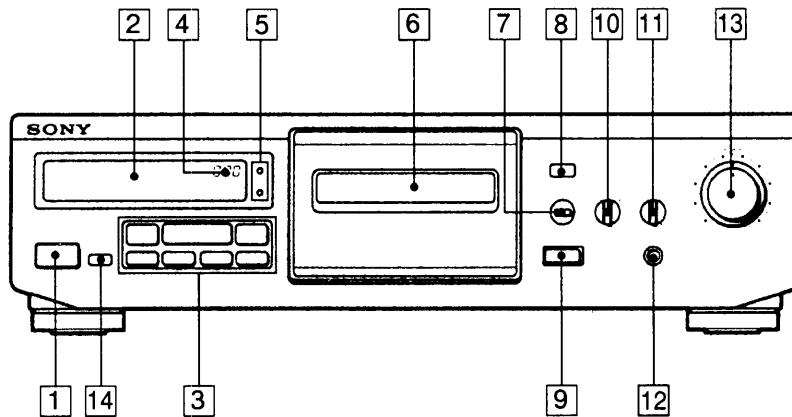


Fig. A. Using an AC voltmeter to check AC leakage.

## SECTION 1 GENERAL

### IDENTIFYING THE PARTS ON THE FRONT PANEL



- |   |  |
|---|--|
| <p>1 POWER switch</p> <p>2 Display panel</p> <p>3 Tape operation buttons</p> <ul style="list-style-type: none"> <li>◀◀ (rewind) (Multi-AMS™) button</li> <li>▷ (play) button (KE200/KE300/KE400S)</li> <li>◁/▷ (forward play and reverse play) button (RX300)</li> <li>▶▶ (fast-forward) (Multi-AMS™) button</li> <li>■ (stop) button</li> <li>⏸ PAUSE button</li> <li>○ REC MUTE (record muting) button</li> <li>● REC (record) button</li> </ul> <p>4 Tape counter</p> <p>5 Counter buttons</p> <ul style="list-style-type: none"> <li>RESET button</li> <li>MEMORY button</li> </ul> | <p>6 Cassette holder</p> <p>7 AUTO CAL button (EXCEPT KE200)</p> <p>8 Remote control sensor</p> <p>9 ⏏ (eject) button</p> <p>10 DOLBY NR (noise reduction) button</p> <p>11 BALANCE control</p> <p>12 PHONES jack (stereo phone jack)</p> <p>13 REC (recording) LEVEL control</p> <p>14 DIRECTION MODE switch (RX300 only)</p> <p style="text-align: center;">™AMS is an abbreviation for Automatic Music Sensor</p> |
|---|--|

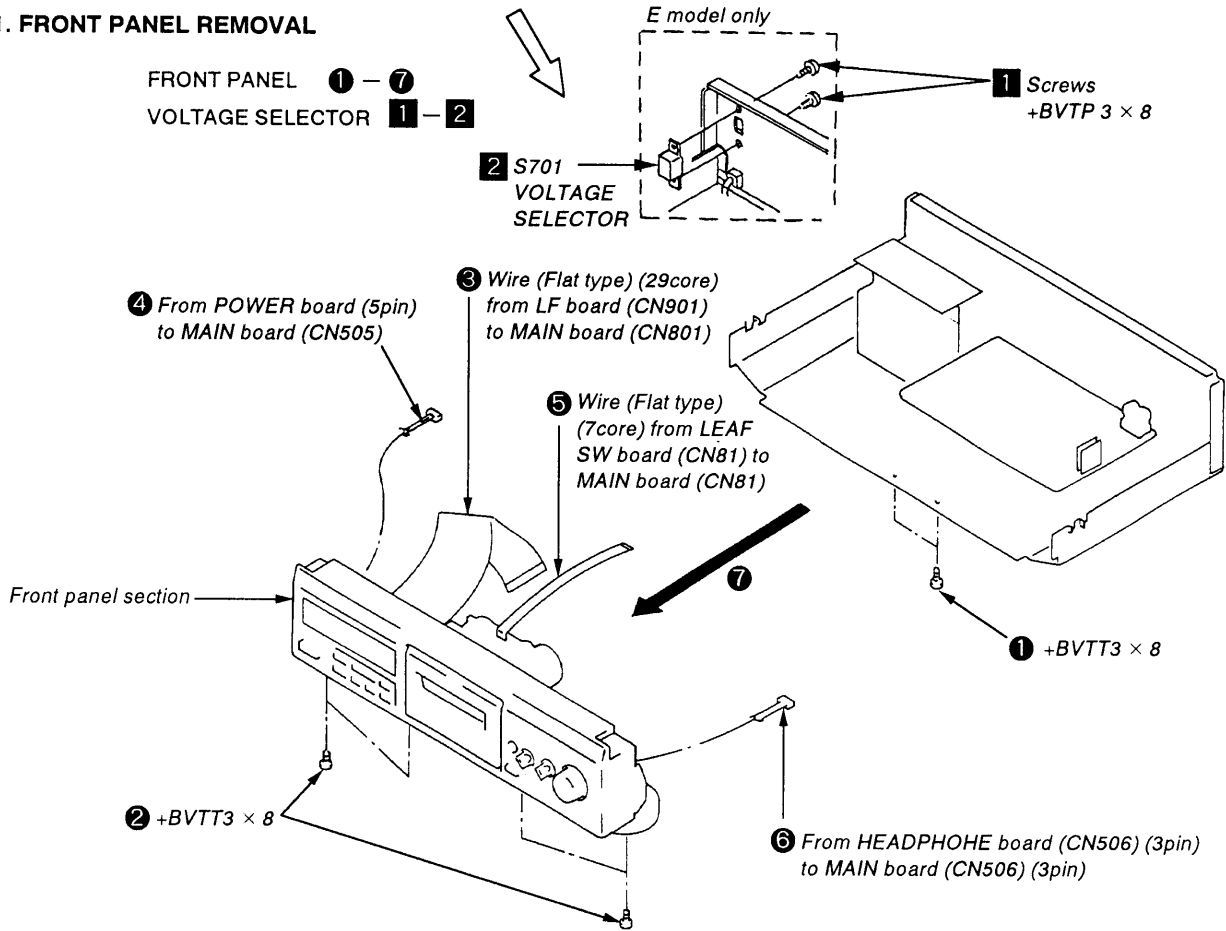
## SECTION 2 DISASSEMBLY

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

### CASE

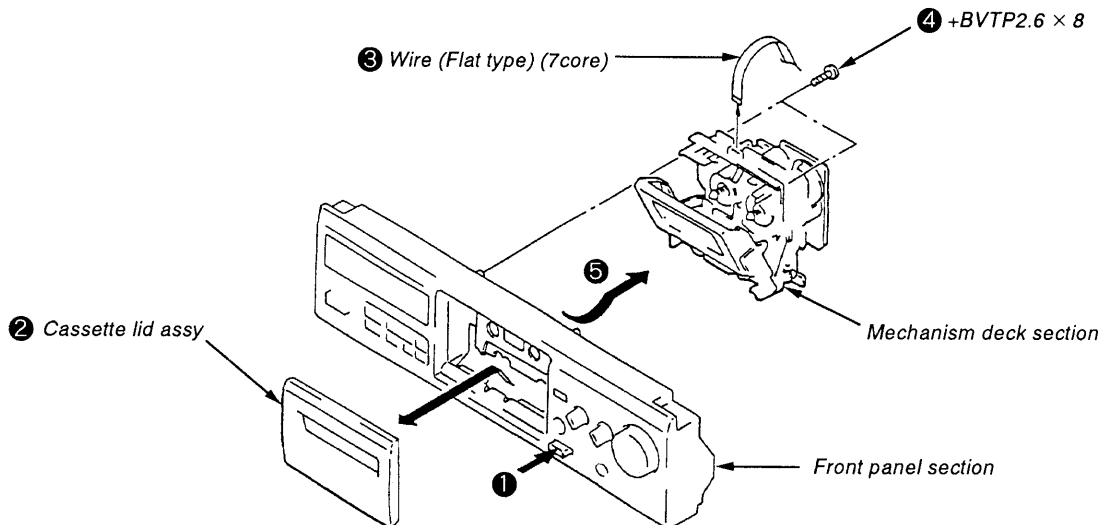
Unscrew the four case attachment screws M3 × 8 and remove the case.

### 2-1. FRONT PANEL REMOVAL



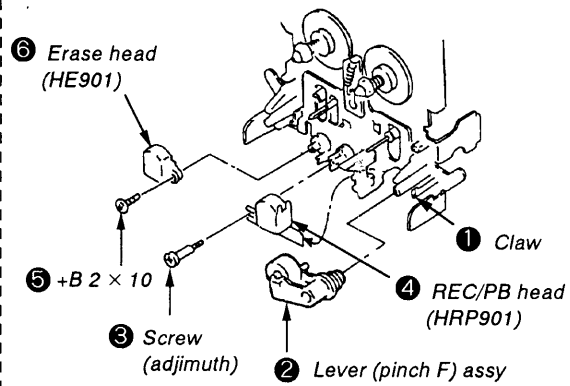
### 2-2. MECHANISM DECK SECTION REMOVAL

① Press the EJECT button.

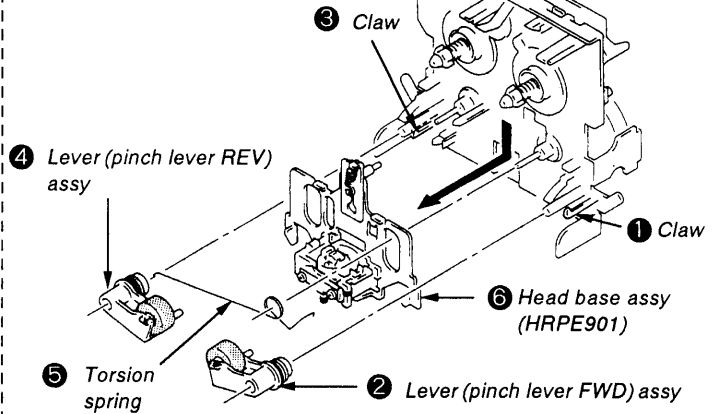


### 2-3. HEAD AND PINCH ROLLER REMOVAL

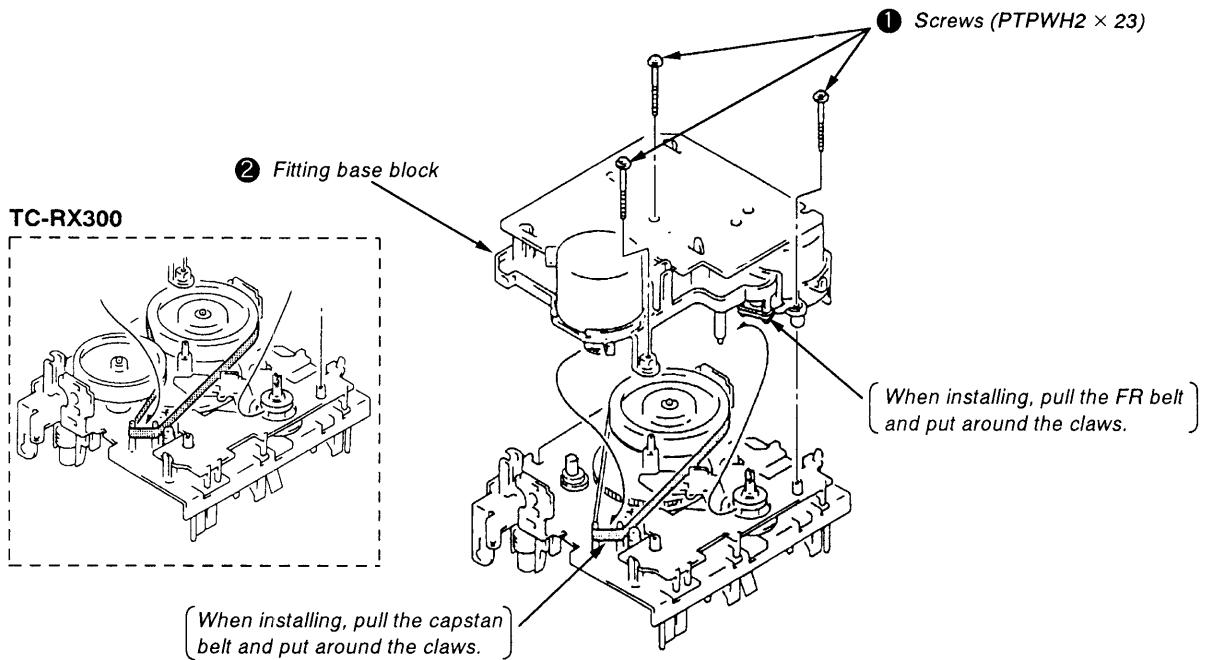
EXCEPT TC-RX300 :



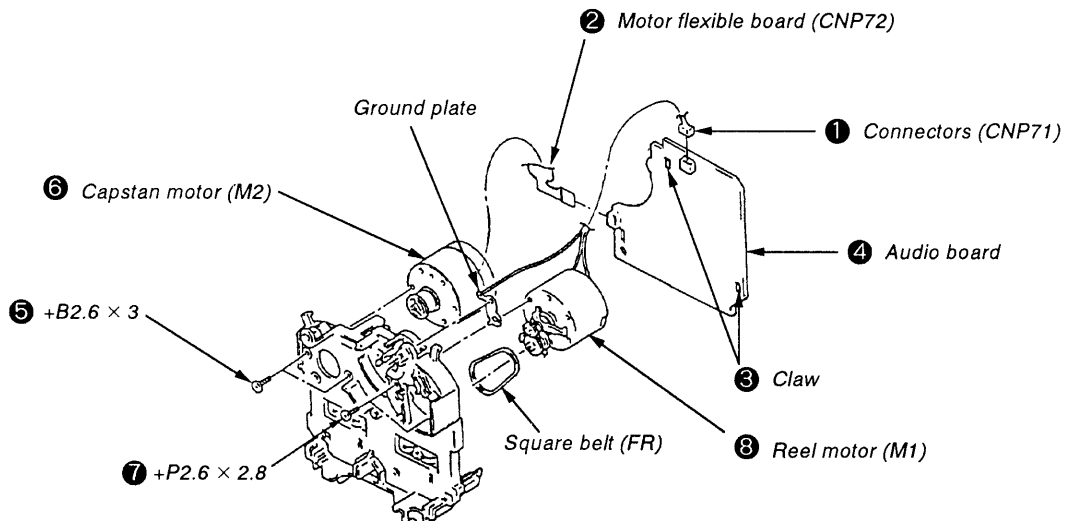
TC-RX300 :



### 2-4. FITTING BASE BLOCK REMOVAL



### 2-5. MOTOR REMOVAL



## SECTION 3 ADJUSTMENTS

### 3-1. MECHANICAL ADJUSTMENTS

#### PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab:
 

record/playback/erase head	pinch roller
rubber belts	capstan
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustment.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

#### Torque Measurement

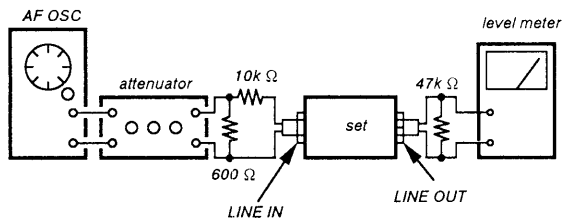
Mode	Torque meter	Meter reading
Forward	CQ-102C	35 to 60g • cm (0.48 to 0.83 oz • inch)
Forward back tension	CQ-102C	2 to 60g • cm (0.03 to 0.08 oz • inch)
Reverse (RX300 only)	CQ-102RC	35 to 60g • cm (0.48 to 0.83 oz • inch)
Reverse back tension (RX300 only)	CQ-102RC	2 to 6g • cm (0.03 to 0.08 oz • inch)
FF/REW	CQ-201B	70 to 110g•cm (0.98 to 1.52 oz•inch)

### 3-2. ELECTRICAL ADJUSTMENTS

#### PRECAUTION

1. The adjustment should be performed in the publication.  
(Be sure to make playback adjustment at first.)
2. The adjustments and measurement should be performed for both L-CH and R-CH.
  - Position of switches and controls knobs  
DOLBY NR switch : OFF
  - Standard record position:  
Deliver the standard input signal level to input jack and set the REC LEVEL control to obtain the standard output signal level as follows.

— Record Mode —



#### Standard Input Level

Input terminal	LINE IN
source impedance	10k Ω
input signal level	0.5V ( - 3.8dB)

#### Standard Output Level

Output terminal	LINE OUT
load impedance	47k Ω
output signal level	0.5V ( - 3.8dB)

#### Test Tape

Tape	Contents	Use
P-4-A100	10kHz, - 10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

0dB=0.775V

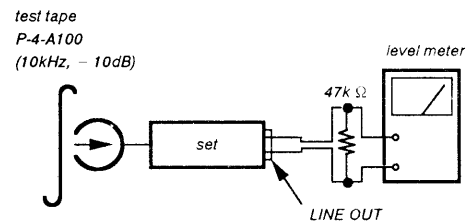
#### Test Mode

1. Insert a short-circuit plug into TP801 (2P) and turn ON the power switch. (Earth pin ⑦ of IC801 and turn ON the power switch.)  
At first, all the fluorescent tubes light up, then the system returns to normal display. (However, "00 00" is not displayed on the counter.)
2. To release the test mode, remove the short plug and turn off the power switch.
3. Remove the short plug after completion of adjustment.

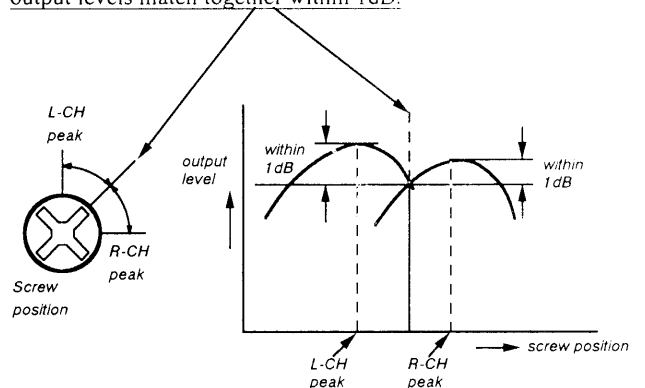
#### Record/Playback Head Azimuth Adjustment

##### Procedure :

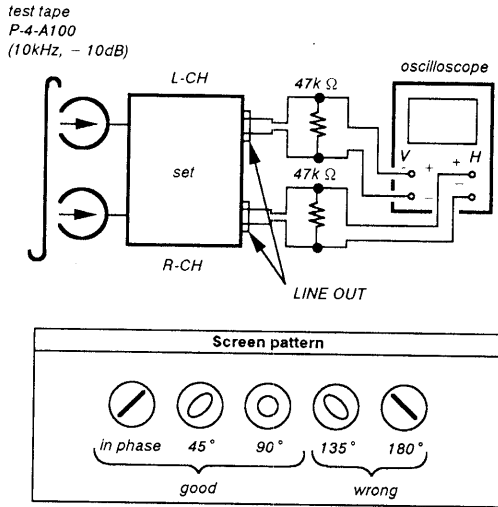
1. playback Mode



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.

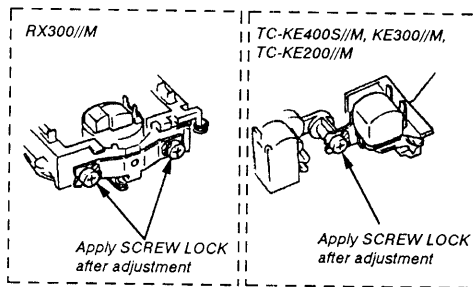


3. Phase check  
Playback Mode



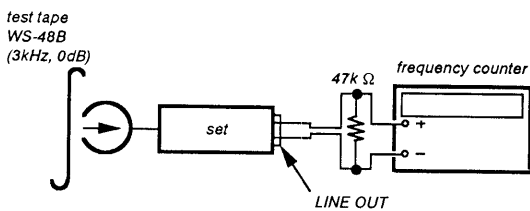
4. After the adjustment, lock the adjustment screws with suitable locking compound.

Adjustment Location : - record/playback head -



Tape Speed Adjustment

Procedure :  
- Playback Mode -



1. Adjust RV71 so that the frequency counter reading becomes  $3,000 \pm 10\text{Hz}$ .
2. If, the frequency counter reading does not become  $3,000 \pm 10\text{Hz}$ . Turn RV72 and back to 1st. step again.

Note :

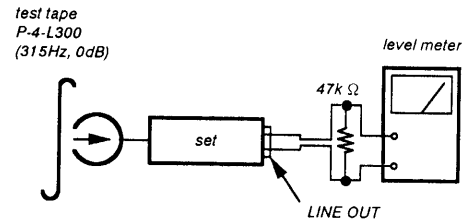
- Turn RV72 to clockwise - Tape speed becomes fast.
- Turn RV72 to counter clockwise - Tape speed becomes slow.

Frequency difference between the beginning and the end of the tape should be within 1%.

Adjustment Location : AUDIO board (Page 9)

Playback Level Adjustment

Procedure :  
- Playback Mode -



Adjust RV11 (L-CH) and RV21 (R-CH) so the level meter reading becomes the adjustment limits below.

Adjustment Value :

LINE OUT level :  $-7.7 \pm 0.5\text{dB}$  (0.301 to 0.338V)

Level difference between channels : within 0.5dB

Confirm the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times

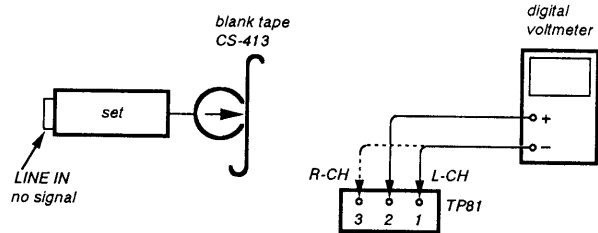
Adjustment Location : AUDIO board (Page 9)

Bias Consumption Current Adjustment

This adjustment should be performed when replacing the head assy or the bias oscillating transformer (T81, T91).

Procedure :

- Record Mode -



1. Connect the digital voltmeter to test point TP81.
2. Set RV81 (L-CH) and RV91 (R-CH) to mechanical center.
3. Set to record mode.
4. Adjust T81 (L-CH) and T91 (R-CH) so that the digital voltmeter reading becomes minimum.

Adjustment Location : AUDIO board (Page 9)

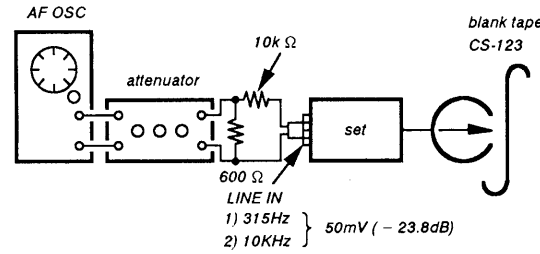


### Record Bias Adjustment

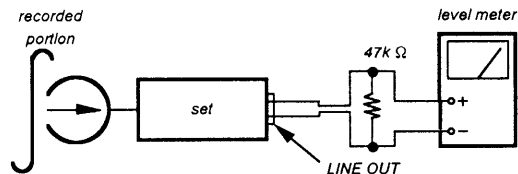
Setting :  
REC LEVEL control : standard record position (Refer to page 7)

#### Procedure :

1. Record Mode



2. Playback Mode



Confirm that the 10kHz playback output is  $0 \pm 0.5\text{dB}$  relative to the 315Hz output. If necessary, adjust semi-fixed resistor as shown below and repeat the steps given above.

TC-KE200 : RV12 (L-CH), RV22 (R-CH)  
TC-KE300/KE400S/RX300 : RV81 (L-CH), RV91 (R-CH)

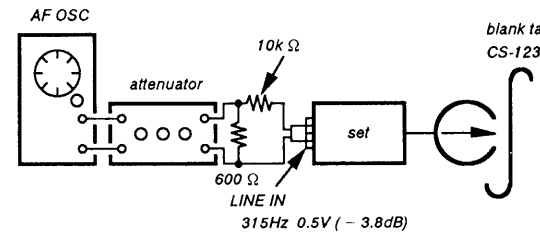
Adjustment Location : AUDIO board

### Record Level Adjustment

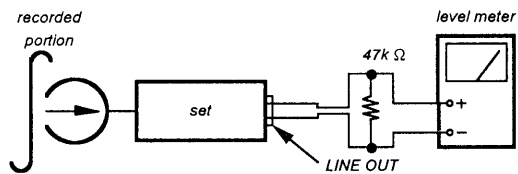
Setting :  
REC LEVEL control : standard record position (Refer to page 7)

#### Procedure :

1. Record Mode



2. Playback Mode



Confirm playback the tape recorded become adjustment level as follows.

If necessary, adjust RV111 (L-CH), RV211 (R-CH) and repeat the steps 1 and 2.

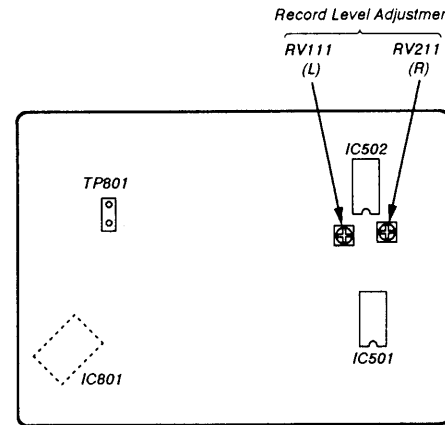
### Adjustment Value :

LINE OUT level :  $-3.8 \pm 0.5\text{dB}$  (0.47 to 0.53V)

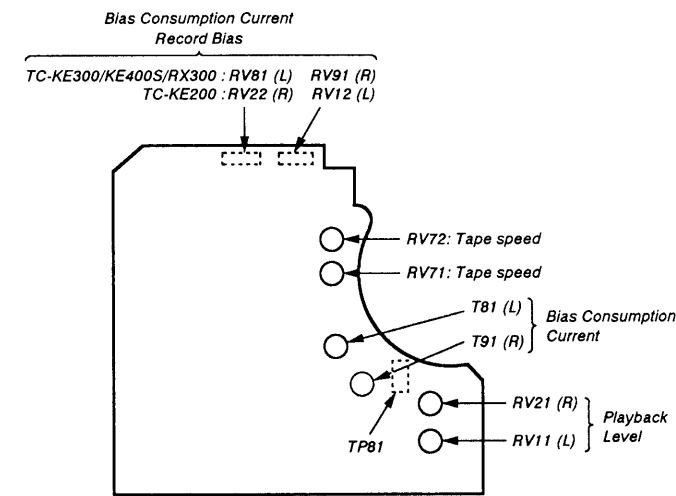
Adjustment Location : MAIN board

### Adjustment Parts Location Diagrams -

#### [MAIN BOARD]



#### [AUDIO BOARD]



## SECTION 4 EXPLANATION OF IC TERMINALS

### IC801 CXP82612-022Q (SYSTEM CONTROL)

Pin No.	Pin name	I/O	Description
1	STOP SW	I	Mechanism stop switch input terminal.
2	SIRCS IN	I	SIRCS signal input terminal.
3	VRSION 2	I	Version selector.
4	NC	-	Not used.
5	NC	-	Not used.
6	NC	-	Not used.
7	MPX ON/OFF	O	MPX filter ON/OFF control terminal. OFF=L
8	CAL ON/OFF	O	Calibration ON/OFF control terminal.
9	REC CAL 0	I	REC calibration terminal.
10	REC CAL 1	O	REC calibration terminal.
11	GP CAL 0	O	GP calibration terminal.
12	GP CAL 1	I	GP calibration terminal.
13	LINE MUTE	O	Line mute ON/OFF. 0V=Mute
14	AMS IN	I	AMS signal input terminal.
15	NC	-	Not used.
16	REC MUTE	O	REC out mute terminal.
17	REEL -	O	Reel motor - control terminal.
18	REEL +	O	Reel motor+ control terminal.
19	BIAS	O	Bias ON/OFF.
20	RELAY	O	Relay selector terminal.
21	CAL KEY	I	Calibration ON/OFF switch input terminal.
22	METER L	I	Meter level L ch.
23	KEY X	I	Key switch input terminal.
24	KEY Y	I	Key switch input terminal.
25	METER R	I	Meter level R ch.
26	DOLBY AD	I	Dolby OFF/B/C/S select terminal.
27	HALF	I	Half pawl input terminal.
28	METAL CHROM	I	Metal, CrO <sub>2</sub> tape selector terminal. "H" : Metal, CrO <sub>2</sub>
29	S. REEL	I	Supply pulse input terminal.
30	RESET	I	Reset terminal.
31	XO	O	System clock input terminal.
32	XI	I	System clock output terminal.
33	Vss	-	Ground.
34	BIAS CAL 0	O	Bias calibration terminal.
35	BIAS CAL 1	O	Bias calibration terminal.
36	BIAS CAL 2	O	Bias calibration terminal.
37	BIAS CAL 3	O	Bias calibration terminal.
38	CAP. M ON/OFF	O	Capstan motor ON/OFF terminal.
39	OSC H/L	O	OSC H/L control.
40	OSC ON/OFF	O	OSC ON/OFF control.

Pin No.	Pin name	I/O	Description
41	BC/S	O	Dolby B, C/S select terminal.
42	DOLCON	O	Dolby B/C control terminal.
43	REC/PB	O	Recording/Playback selector for dolby IC.
44	NC	-	Not used.
45	NC	-	Not used.
46	S1	O	Fluorescent indicator tube segment output.
47	S2	O	Fluorescent indicator tube segment output.
48	S3	O	Fluorescent indicator tube segment output.
49	S4	O	Fluorescent indicator tube segment output.
50	S5	O	Fluorescent indicator tube segment output.
51	S6	O	Fluorescent indicator tube segment output.
52	S7	O	Fluorescent indicator tube segment output.
53	S8	O	Fluorescent indicator tube segment output.
54	S9	O	Fluorescent indicator tube segment output.
55	S10	O	Fluorescent indicator tube segment output.
56	S11	O	Fluorescent indicator tube segment output.
57	S12	O	Fluorescent indicator tube segment output.
58	S13	O	Fluorescent indicator tube segment output.
59	S14	O	Fluorescent indicator tube segment output.
60	S15	O	Fluorescent indicator tube segment output.
61	S16	O	Fluorescent indicator tube segment output.
62	S17	O	Fluorescent indicator tube segment output.
63	NC	-	Not used.
64	NC	-	Not used.
65	NC	-	Not used.
66	G5	O	Fluorescent indicator tube grid output.
67	G4	O	Fluorescent indicator tube grid output.
68	G3	O	Fluorescent indicator tube grid output.
69	G2	O	Fluorescent indicator tube grid output.
70	G1	O	Fluorescent indicator tube grid output.
71	V-DISP	-	Fluorescent indicator tube power supply. (-20V)
72	V <sub>DD</sub>	-	Power supply. (+5V)
73	NC	-	Not used.
74	NC	-	Not used.
75	V <sub>DD</sub>	-	Power supply. (+5V)
76	POWER IN	I	0V= Power OFF
77	POWER OUT	O	Power ON/OFF. ON=0V
78	V <sub>DD</sub>	-	Power supply. (+5V)
79	TEST MODE	I	Test mode selector. 0V= Test mode
80	VERSION 1	I	Version selector.

SECTION 5  
DIAGRAMS

• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D131	D-11	IC511	F-16
D132	D-11	IC601	B-9
D231	D-11	IC701	G-10
D232	D-12	IC801	C-8
D511	B-13	IC802	E-8
D512	B-13	Q101	B-14
D513	F-13	Q102	C-14
D551	B-11	Q121	G-12
D701	H-8	Q122	D-13
D702	H-8	Q201	A-14
D703	G-8	Q202	C-16
D704	G-8	Q221	G-12
D705	G-8	Q222	E-13
D706	G-8	Q503	G-14
D707	G-8	Q504	G-14
D708	H-9	Q505	F-14
D709	H-11	Q511	C-13
D710	G-9	Q512	C-13
D711	G-10	Q521	G-14
D712	F-9	Q531	C-11
D713	G-7	Q532	C-11
D714	F-9	Q551	B-11
D715	G-10	Q572	F-13
D801	E-8	Q573	D-13
D802	E-8	Q601	C-10
IC501	D-15	Q701	H-12
IC502	G-15	Q702	H-11
IC503	D-13	Q703	H-9
IC504	D-11	Q704	H-10
IC505	D-11	Q705	G-10
IC506	B-15	Q706	G-9
IC507	C-13	Q707	F-9
IC508	B-10	Q708	F-8
IC509	D-10	Q803	B-7
IC510	C-12	Q805	E-8

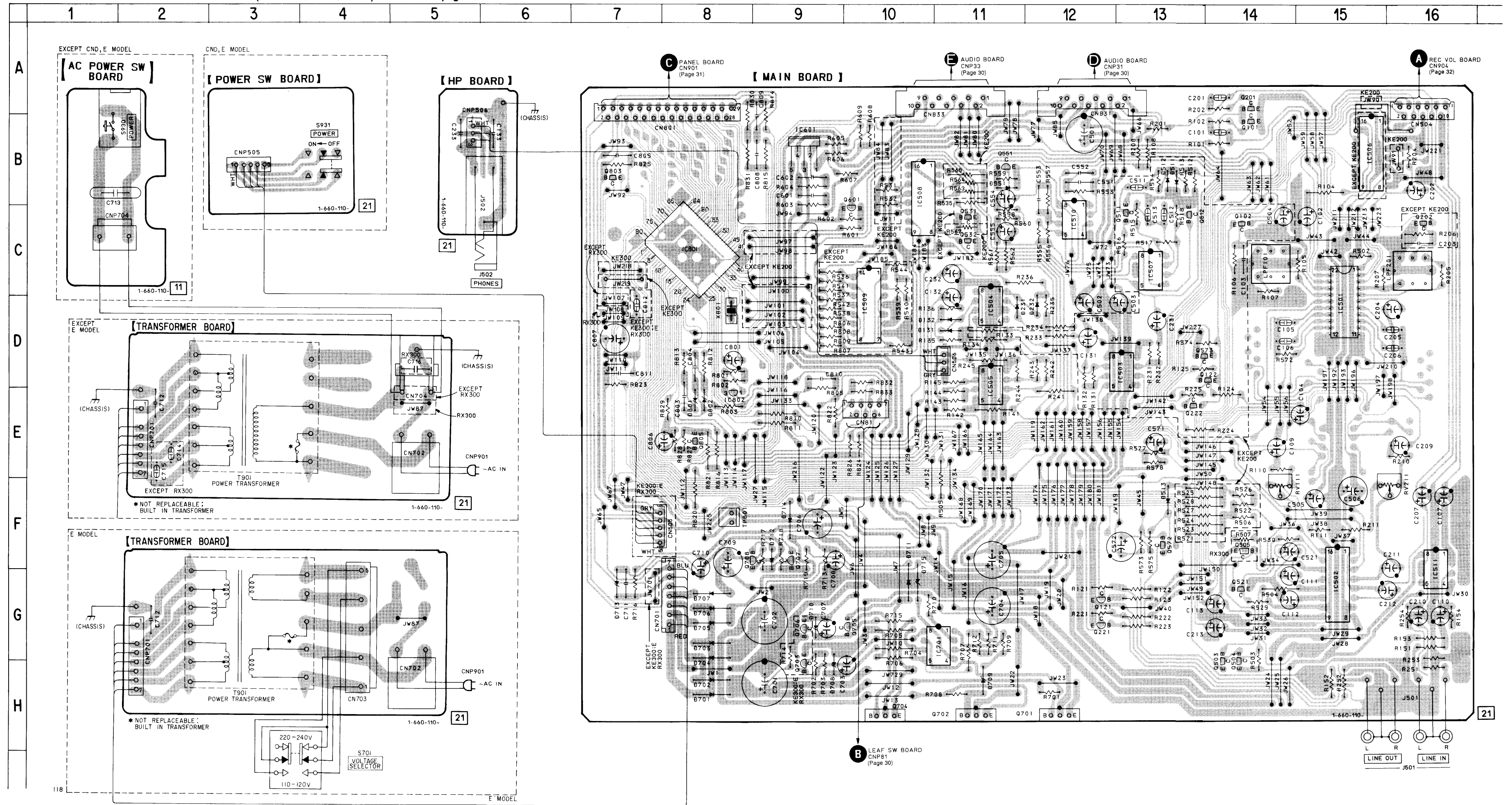
**Note:**

- : parts extracted from the component side.
- △ : internal component.
- ⊙ : Pattern from the side which enables seeing. (The other layers' patterns are not indicated)

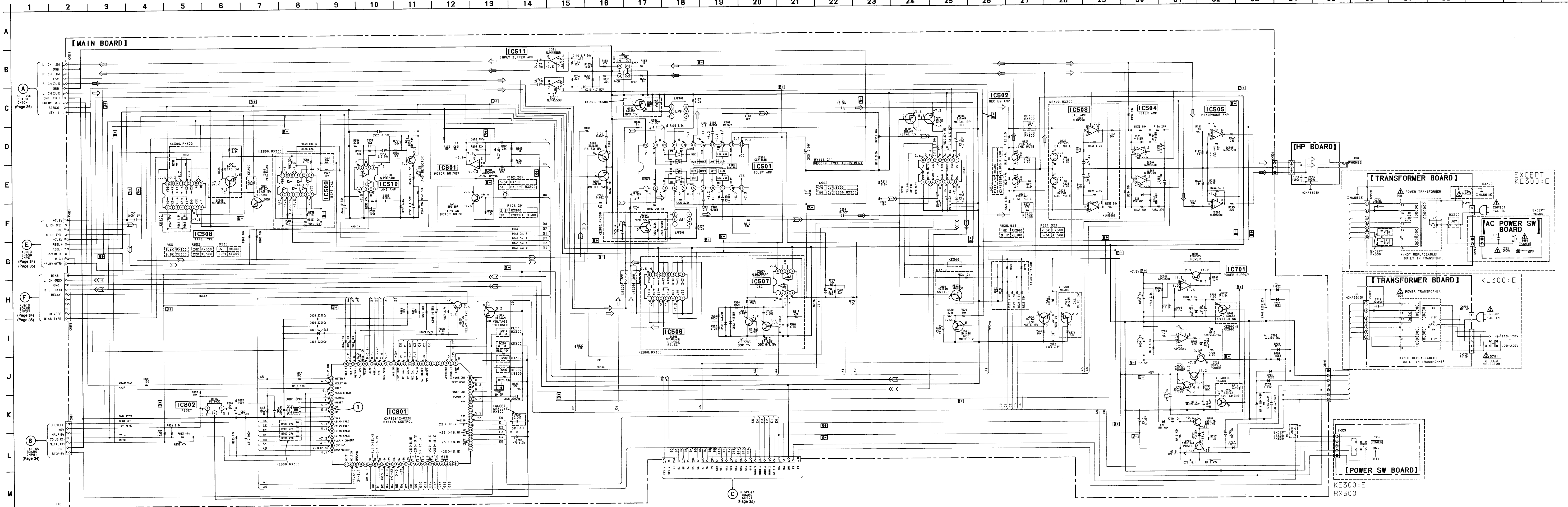
**Caution:**

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

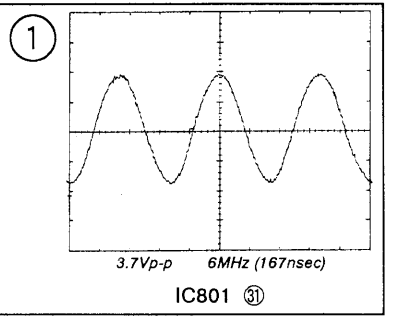
• Abbreviation  
 CND : Canadian



5-2. SCHEMATIC DIAGRAM - MAIN SECTION - (TC-KE200/KE300/RX300) Refer to page 28 for IC Block Diagram.

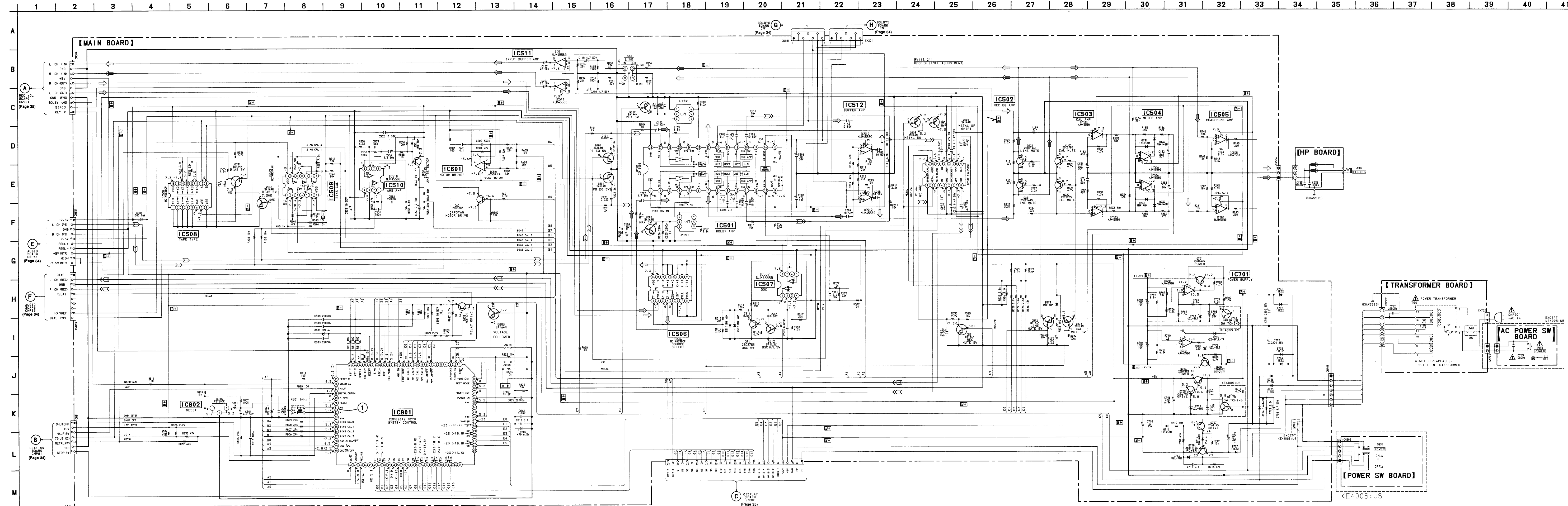
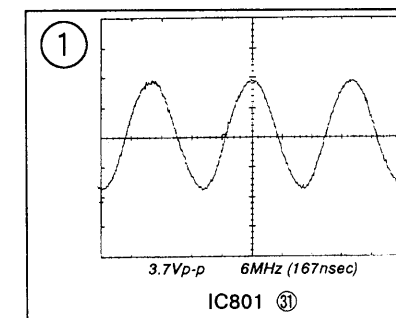


WAVEFORM



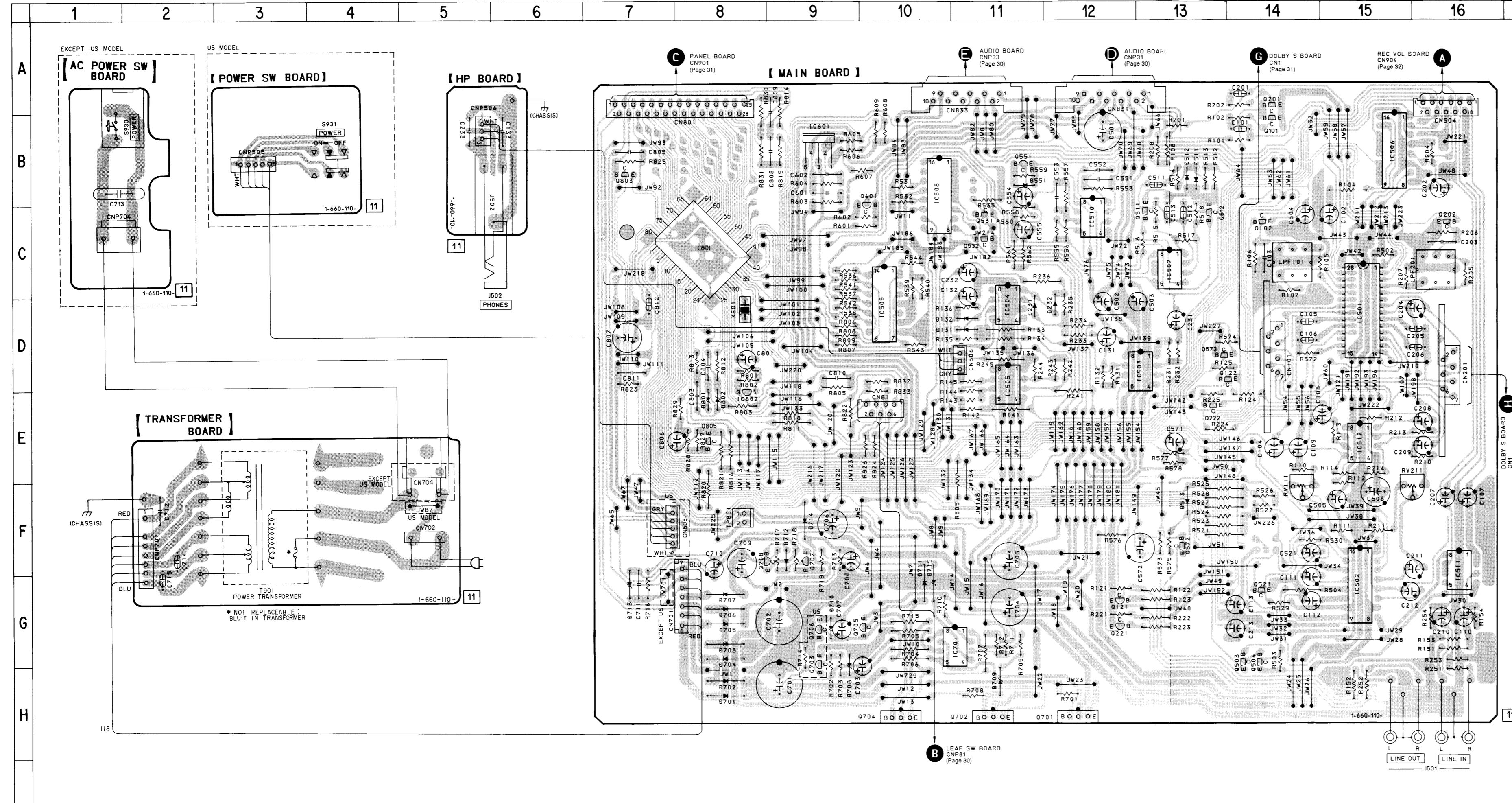
- Note:**
- All capacitors are in  $\mu$ F unless otherwise noted. pF:  $\mu$ F
  - 50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and  $\frac{1}{2}W$  or less unless otherwise specified.
  - % : indicates tolerance.
  - $\Delta$  : internal component.
  - [ ] : panel designation.
  - B+ : B+ Line
  - B- : B- Line
  - [ ] : adjustment for repair.
  - Voltage and waveforms are dc with respect to ground under no-signal conditions.
  - no mark : PLAYBACK
  - ( ) : REC
  - \* : can not be measured.
  - Voltagess are taken with a VOM (Input impedance 10M  $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
  - Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
  - Circled numbers refer to waveforms.
  - Signal path:
    - : LINE
    - ↔ : PB
    - ⇨ : REC
  - Abbreviation
  - CND : Canadian

● WAVEFORM



**Note :**

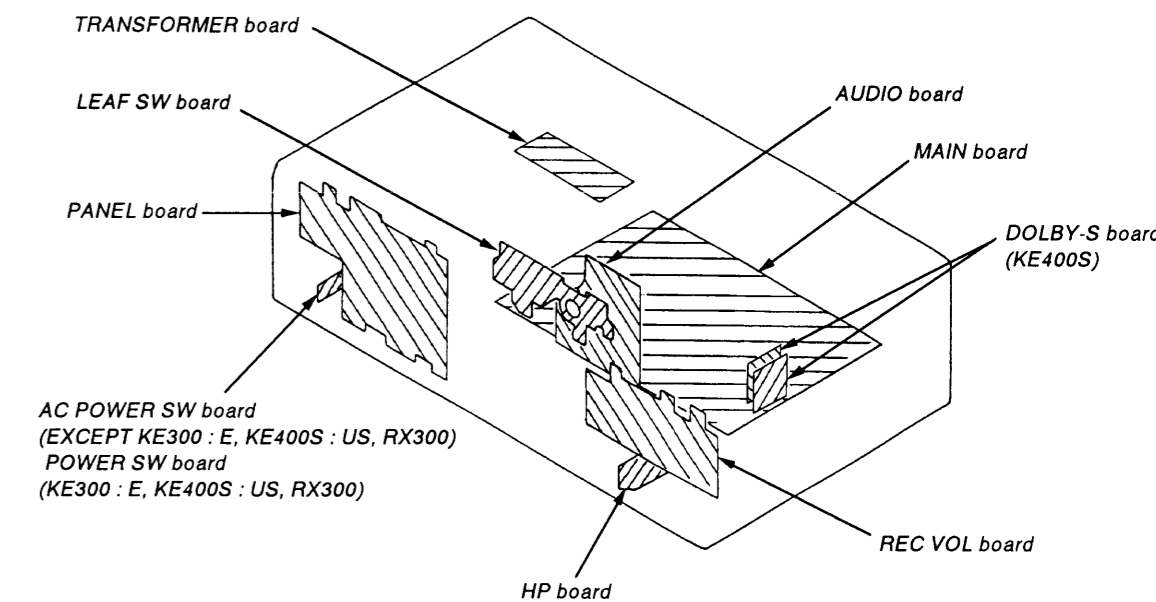
- All capacitors are in  $\mu$  F unless otherwise noted. pF:  $\mu$   $\mu$  F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}$ W or less unless otherwise specified.
- % : indicates tolerance.
- $\Delta$  : internal component.
- $\square$  : panel designation.
- B+ : B+ Line
- B- : B- Line
- $\square$  : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- no mark : PLAYBACK
- ( ) : REC
- \* : can not be measured.
- Voltages are taken with a VOM ( Input impedance 10M  $\Omega$  ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- $\rightarrow$  : LINE
- $\rightarrow$  : PB
- $\rightarrow$  : REC



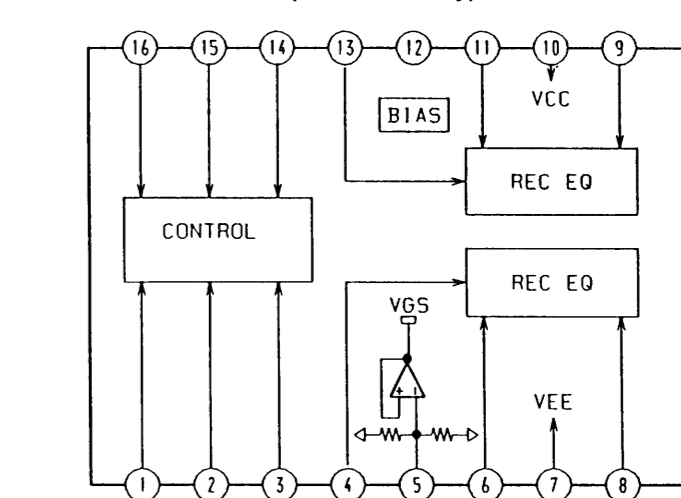
• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D131	D - 11	IC512	E - 15
D132	D - 11	IC601	B - 9
D231	D - 11	IC701	G - 11
D232	D - 12	IC801	C - 8
D511	B - 13	IC802	E - 8
D512	B - 13	Q101	B - 14
D513	F - 13	Q102	C - 14
D551	B - 11	Q121	G - 12
D701	H - 8	Q122	D - 13
D702	H - 8	Q201	A - 14
D703	G - 8	Q202	C - 16
D704	G - 8	Q221	G - 12
D705	G - 8	Q222	E - 13
D706	G - 8	Q503	G - 14
D707	G - 8	Q504	G - 14
D708	H - 9	Q505	C - 13
D709	H - 11	Q511	C - 13
D710	G - 9	Q512	C - 13
D711	G - 10	Q521	G - 14
D712	F - 9	Q531	C - 11
D713	G - 7	Q532	C - 11
D714	F - 9	Q551	B - 11
D715	G - 10	Q572	F - 13
D801	E - 8	Q573	D - 13
D802	E - 8	Q601	B - 10
IC501	D - 15	Q701	H - 12
IC502	G - 15	Q702	H - 11
IC503	D - 13	Q703	G - 9
IC504	D - 11	Q704	H - 10
IC505	D - 11	Q705	G - 10
IC506	B - 15	Q706	G - 9
IC507	C - 13	Q707	F - 9
IC508	B - 10	Q708	F - 8
IC509	D - 10	Q803	B - 7
IC510	C - 12	Q805	E - 8
IC511	F - 16		

5-5. CIRCUIT BOARDS LOCATION



• IC BLOCK DIAGRAM  
IC502 CXA1579P (EXCEPT TC-RX300)  
IC502 CXA1578P (TC-RX300 only)



Note:

- : parts extracted from the component side.
- △ : internal component.
- ▨ : Pattern from the side which enables seeing. (The other layers' patterns are not indicated)

Caution:

Pattern face side : Parts on the pattern face side seen from the pattern face are indicated.  
Parts face side : Parts on the parts face side seen from the parts face are indicated.

● SEMICONDUCTOR LOCATION

Ref. No.	Location
D31	H - 1
IC1	I - 2
IC81	H - 7 (LEAF SW BOARD)
Q51	H - 2
Q52	G - 2
Q53	H - 2
Q71	H - 3

● SEMICONDUCTOR LOCATION

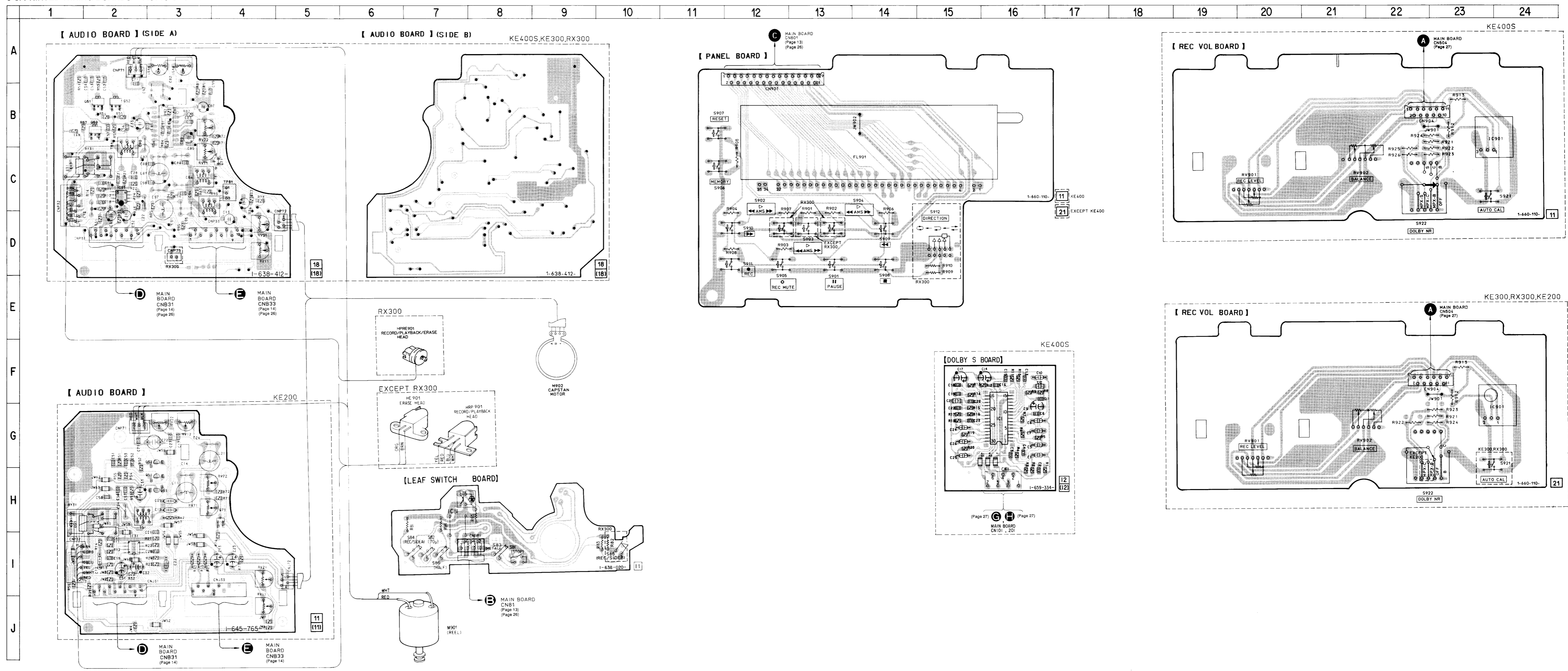
Ref. No.	Location
D31	C - 1
IC1	G - 16 (KE400S)
IC31	C - 2
IC81	B - 3 (AUDIO BOARD)
IC81	H - 7 (LEAF SW BOARD)
IC901	B - 23 (KE400S)
IC901	G - 23 (KE200/KE300/RX300)
Q51	B - 2
Q52	B - 2
Q53	B - 1
Q71	C - 3

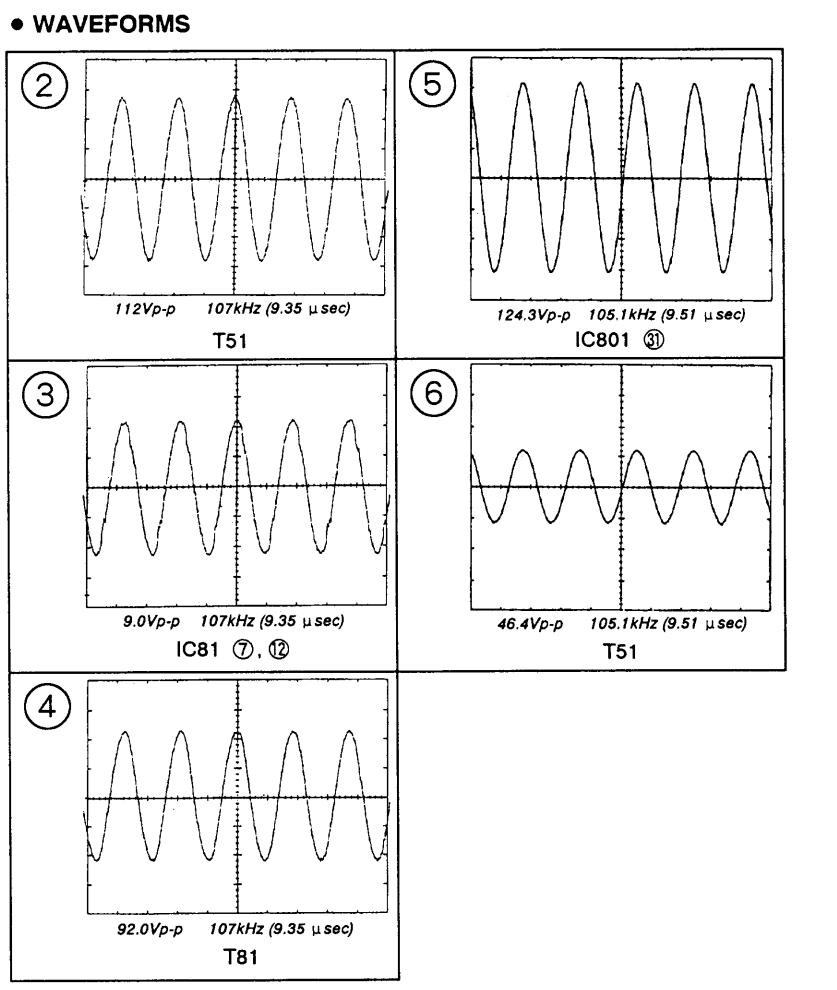
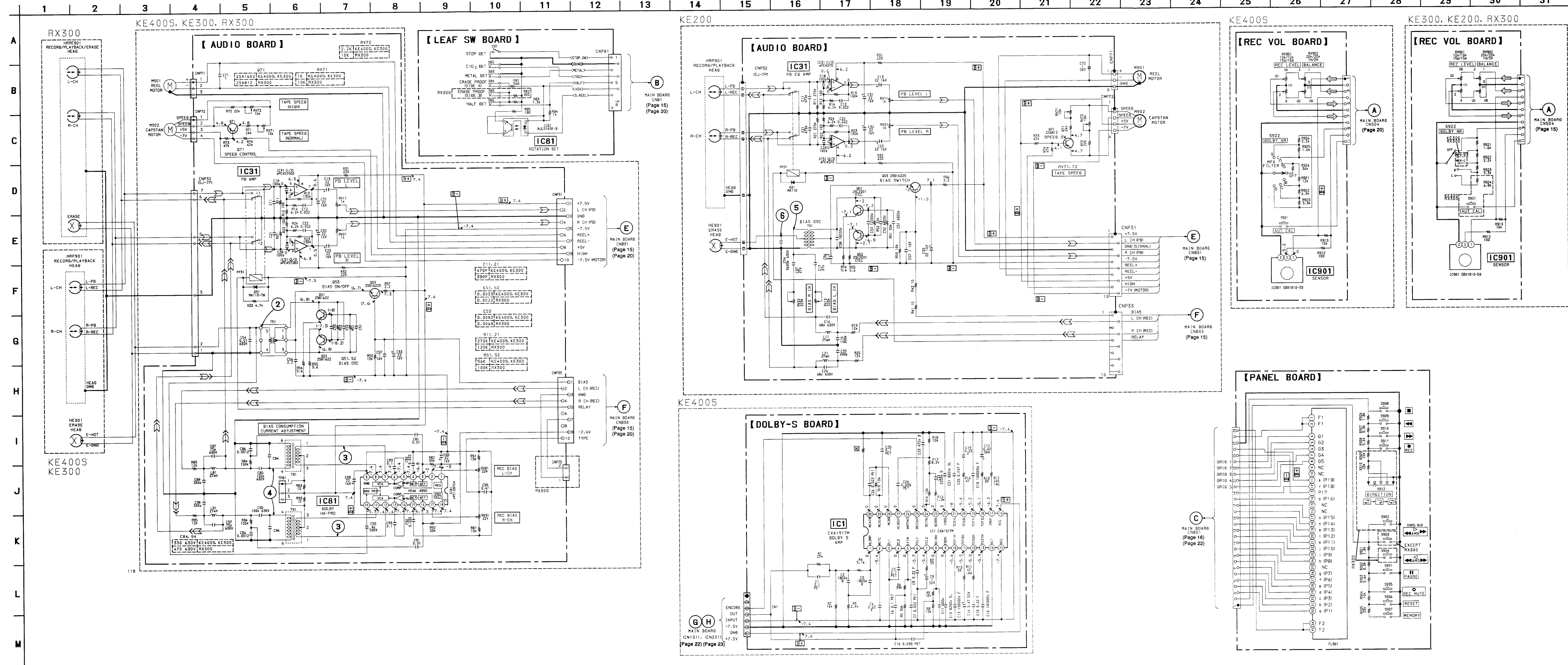
Note:

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

Caution :

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





**Note :**

- All capacitors are in μF unless otherwise noted, pF: μF
- 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- : panel designation.

**Note :**

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

**Note :**

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

- ⊕ : B+ Line
- ⊖ : B- Line
- ⊞ : adjustment for repair.

Voltage and waveforms are dc with respect to ground under no-signal conditions.

Volts are taken with a VOM ( Input impedance 10M Ω ). Voltage variations may be noted due to normal production tolerances.

Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.

Circled numbers refer to waveforms.

Signal path.

⊞ : PB

⊠ : REC

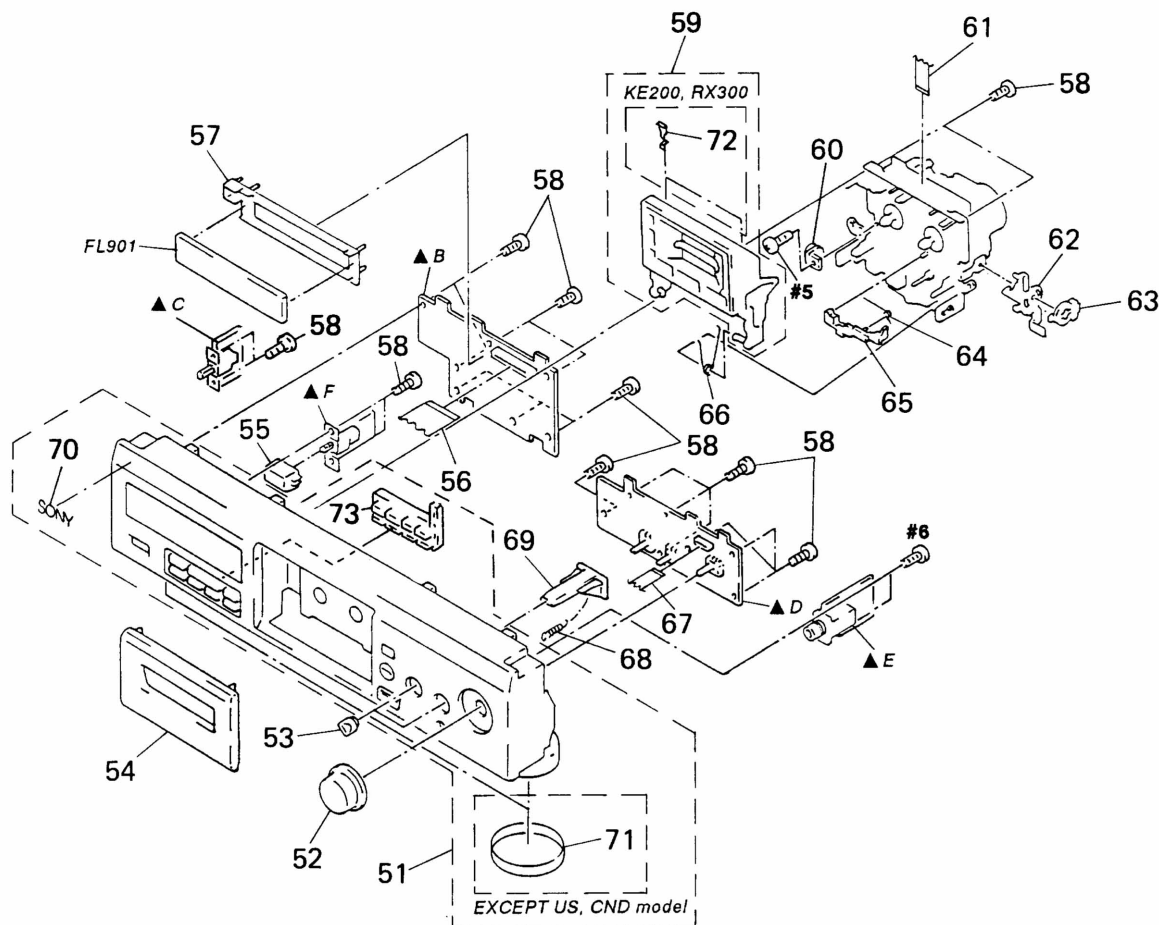




Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-704-366-01	SCREW (CASE) (M3X8)...(BLACK)		* 7	3-933-307-01	PANEL, BACK (KE200:AEP,G)	
1	3-704-366-71	SCREW (CASE) (M3X8)...(SILVER) (KE400S)		* 7	3-933-307-11	PANEL, BACK (KE200:UK)	
* 2	3-931-432-01	CASE (410726)...(BLACK)		8	X-4947-207-1	FOOT ASSY (F50150S) (EXCEPT US,CND)	
* 2	3-931-432-21	CASE (410726)...(SILVER) (KE400S)		8	X-4947-208-1	FOOT ASSY (F50150S) (US,CND)	
* 3	A-2007-523-A	MAIN BOARD, COMPLETE (KE200)		△ 9	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
* 3	A-2007-524-A	MAIN BOARD, COMPLETE (KE400S:EXCEPT US)		10	4-956-370-12	BAND, PLUG FIXED (UK,AUS)	
* 3	A-2007-525-A	MAIN BOARD, COMPLETE (KE400S:US)		* 11	3-346-265-31	HOLDER, PC BOARD	
* 3	A-2007-526-A	MAIN BOARD, COMPLETE (KE300:EXCEPT E)		△ CNP901	1-558-945-21	CORD, POWER (POLAR.SPT-1) (US,CND)	
* 3	A-2007-527-A	MAIN BOARD, COMPLETE (KE300:E)		△ CNP901	1-575-651-21	CORD, POWER (AEP,G,MY,SP)	
* 3	A-2007-591-A	MAIN BOARD, COMPLETE (RX300)		△ CNP901	1-696-027-11	CORD, POWER (E)	
* 4	3-923-762-11	HOLDER (TR)		△ CNP901	1-696-586-11	CORD, POWER (UK)	
* 5	A-2007-481-A	DOLBY-S BOARD, COMPLETE (KE400S)		△ CNP901	1-696-845-11	CORD, POWER (AUS)	
* 6	3-703-244-00	BUSHING (2104), CORD (EXCEPT US,E,CND)		△ CNP901	1-751-523-11	CORD, POWER (UK)	
6	3-703-571-11	BUSHING (S) (4516), CORD (US,E,CND)		△ S701	1-570-046-21	SWITCH, VOLTAGE CHANGE (E)	
* 7	3-933-281-01	PANEL, BACK (KE400S:US)		△ T901	1-426-651-11	TRANSFORMER, POWER (KE200,KE300:EXCEPT E)	
* 7	3-933-281-12	PANEL, BACK (KE400S:AEP,G)		△ T901	1-426-652-11	TRANSFORMER, POWER (KE300:E)	
* 7	3-933-281-21	PANEL, BACK (KE400S:UK)		△ T901	1-427-743-11	TRANSFORMER, POWER (RX300)	
* 7	3-933-281-31	PANEL, BACK (KE400S:AUS)		△ T901	1-427-751-11	TRANSFORMER, POWER (KE400S:EXCEPT US)	
* 7	3-933-281-41	PANEL, BACK (KE300:AEP,G,MY,SP)		△ T901	1-427-752-11	TRANSFORMER, POWER (KE400S:US)	
* 7	3-933-281-51	PANEL, BACK (KE300:AUS)					
* 7	3-933-281-61	PANEL, BACK (KE300:E)					
* 7	3-933-281-81	PANEL, BACK (RX300)					

6-2. FRONT PANEL SECTION

- ▲ B : PANEL board
- ▲ C : POWER SW board (US, CND, E)
- ▲ D : REC VOL board
- ▲ E : HP board
- ▲ F : AC POWER SW board (EXCEPT US, CND, E)



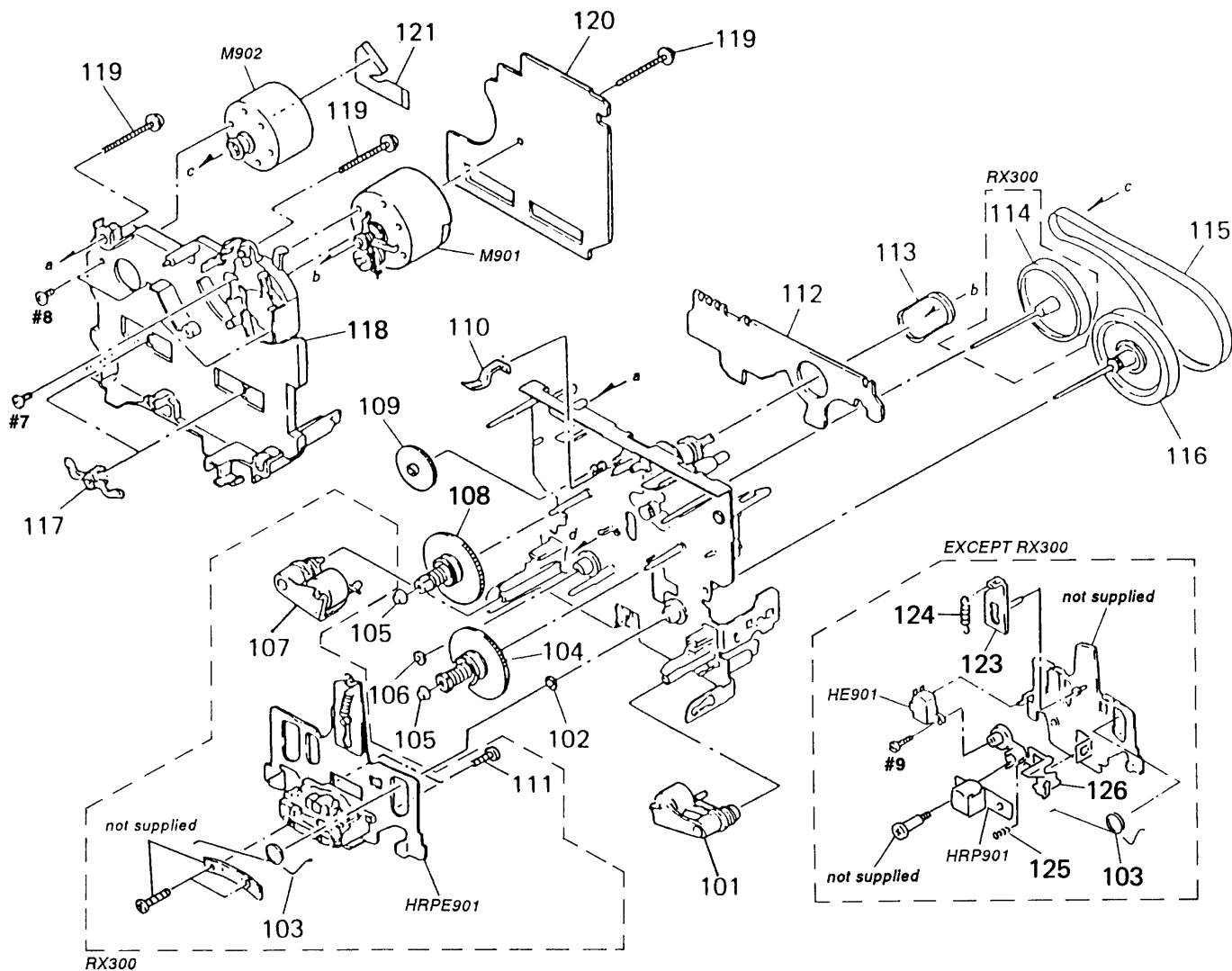
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3371-687-1	PANEL ASSY, FRONT...(SILVER) (KE400S)		61	1-765-318-11	WIRE (FLAT TYPE) (7 CORE)	
51	X-3371-687-2	PANEL ASSY, FRONT...(BLACK) (KE400S: EXCEPT US)		* 62	3-354-954-01	LEVER (LOCK LEVER R)	
51	X-3371-688-2	PANEL ASSY, FRONT...(BLACK) (KE300)		63	3-354-957-01	JOINT (LOCK LEVER)	
51	X-3371-690-2	PANEL ASSY, FRONT...(BLACK) (KE200)		64	3-354-962-01	SPRING (EJ SAFTY SPRING R)	
51	X-3371-694-2	PANEL ASSY, FRONT...(BLACK) (KE400S: US)		65	3-354-956-01	LEVER (EJ SAFTY LEVER R)	
51	X-3371-696-2	PANEL ASSY, FRONT...(BLACK) (RX300)		66	3-354-960-01	SPRING (LOADING R), TORSION	
52	3-939-300-11	KNOB (REC)...(BLACK)		67	1-769-947-11	WIRE (FLAT TYPE) (11 CORE)	
52	3-939-300-21	KNOB (REC)...(SILVER) (KE400S)		68	3-937-169-01	SPRING, TENSION	
53	3-933-299-01	KNOB (DIA. 12)...(BLACK)		69	3-933-295-01	BUTTON (EJECT)	
53	3-933-299-11	KNOB (DIA. 12)...(SILVER) (KE400S)		70	4-963-404-21	EMBLEM (5-A), SONY	
54	X-3371-686-1	LID ASSY, CASSETTE...(SILVER) (KE400S)		71	4-977-593-11	RING (DIA 50), ORNAMENTAL (EXCEPT US,CND)	
54	X-3371-691-2	LID ASSY, CASSETTE...(BLACK) (KE400S,KE300)		72	3-308-823-11	DETENT, CASSETTE (KE200,RX300)	
54	X-3371-692-2	LID ASSY, CASSETTE...(BLACK) (RX300)		73	3-933-293-01	BUTTON (FWD) (EXCEPT RX300)	
54	X-3371-693-2	LID ASSY, CASSETTE...(BLACK) (KE200)		73	3-933-294-01	BUTTON (REV) (RX300)	
55	3-931-429-01	BUTTON (POWER)		FL901	1-517-173-11	INDICATOR TUBE, FLUORESCENT (KE200,KE300,RX300)	
56	1-773-287-11	WIRE (FLAT TYPE) (29 CORE)		FL901	1-517-374-11	INDICATOR TUBE, FLUORESCENT (KE400S)	
* 57	3-377-337-11	HOLDER (FL)					
58	4-951-620-01	SCREW (2.6X8), +BVTP					
59	A-4325-164-A	HOLDER (R) ASSY, CASSETTE (KE200,RX300)					
59	X-3368-119-1	HOLDER (R) ASSY, CASSETTE (KE300,KE400S)					
60	3-354-963-01	DAMPER					

### 6-3. MECHANISM SECTION 1

TC-KE200 : TCM-190VB22CS

TC-KE300/KE400S : TCM-190VB12CS

TC-RX300 : TCM-190RB12C



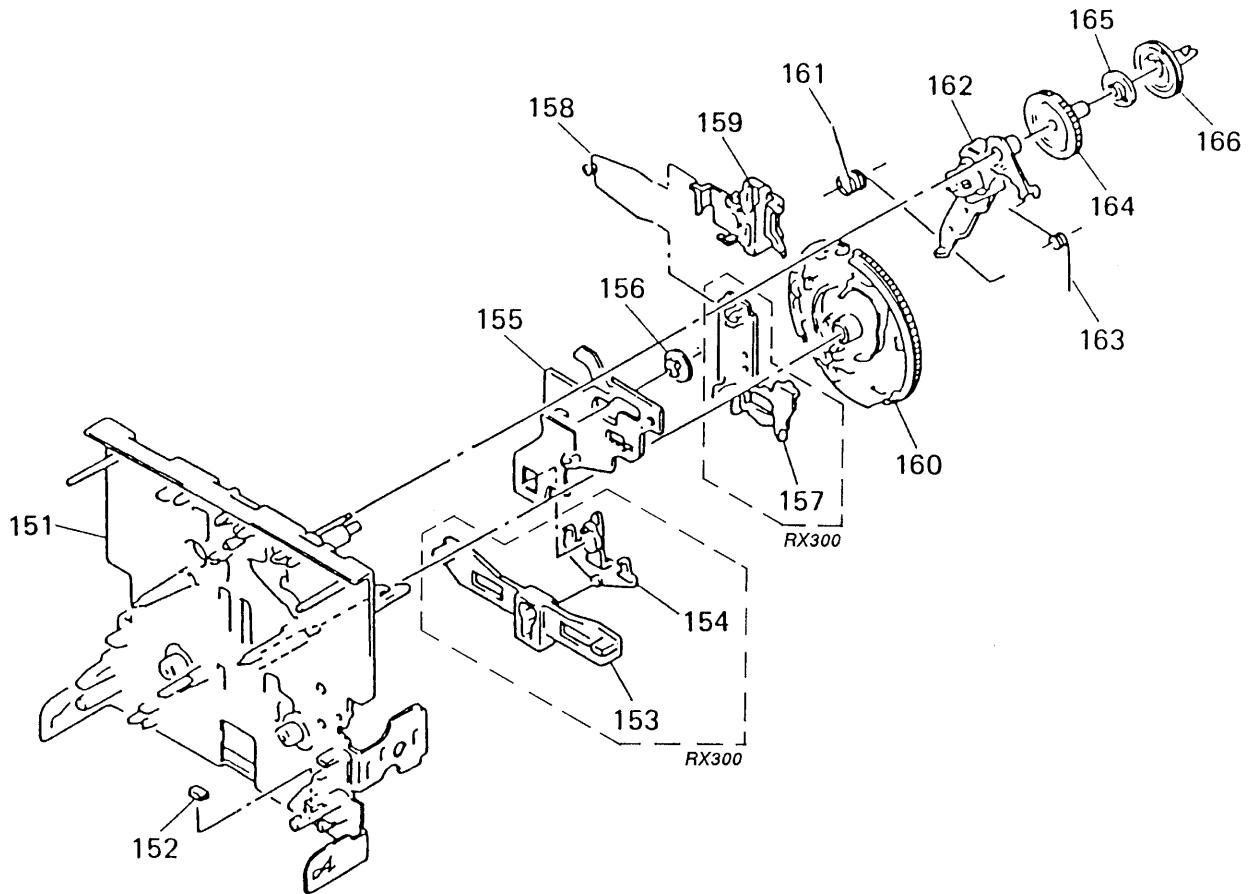
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	X-3366-047-1	LEVER (PINCH F) ASSY		118	3-359-436-11	BASE (THRUST RETAINER),FITTING	
102	3-356-713-01	WASHER		119	3-359-414-01	SCREW (+PTPWH 2X23)	
103	3-907-362-01	SPRING, TORSION		* 120	A-2006-890-A	AUDIO BOARD, COMPLETE (KE400S,KE300)	
104	X-3366-970-1	TABLE ASSY, REEL		* 120	A-2007-040-A	AUDIO BOARD, COMPLETE (RX300)	
105	3-362-308-01	CAP (REEL)		* 120	A-2007-171-A	AUDIO BOARD, COMPLETE (KE200)	
106	3-356-714-01	WASHER (RX300)		121	1-638-983-11	MOTOR FLEXIBLE BOARD	
107	X-3366-048-1	LEVER (PINCH R) ASSY (RX300)		* 123	X-3368-865-1	SLIDER (LIMITER) ASSY (EXCEPT RX300)	
108	X-3366-971-1	TABLE ASSY (B), REEL		124	3-363-868-01	SPRING (HEAD CHASSIS), TENSION	(EXCEPT RX300)
109	3-359-424-01	GEAR (REV GEAR)		125	3-343-484-01	SPRING, COMPRESSION (EXCEPT RX300)	
110	3-359-430-01	SPRING(CASSETTE RETAINER),LEAF		* 126	3-359-445-11	HOLDER (1 WAY HEAD)(EXCEPT RX300)	
111	3-388-848-01	SCREW (P2X6) (B TIGHT)(RX300)		HE901	1-543-673-11	HEAD, MAGNETIC (ERASE)(EXCEPT RX300)	
* 112	1-638-020-11	LEAF SW BOARD		HRP901	1-543-919-11	HEAD,MAGNETIC(RECORD/PLAYBACK)	(EXCEPT RX300)
113	3-359-466-01	BELT (FR), SQUARE		HRPE901A-2004-527-A	DECK ASSY, HEAD (RECORD/PLAYBACK/ERASE)	(RX300)	
114	X-3367-630-1	FLYWHEEL (REV) ASSY (RX300)		M901	X-3363-501-1	MOTOR ASSY,REEL (REEL)	
115	3-359-417-01	BELT (FLAT), CAPSTAN (RX300)		M902	X-3365-377-2	MOTOR ASSY,CAPSTAN (CAPSTAN)	
115	3-359-467-01	BELT (1 WAY FLAT BELT) (EXCEPT RX300)					
116	X-3367-629-1	FLYWHEEL (1WD) ASSY					
117	3-575-321-00	RETAINER, THRUST, CAPSTAN					

6-4. MECHANISM SECTION 2

TC-KE200 : TCM-190VB22CS

TC-KE300/KE400S : TCM-190VB12CS

TC-RX300 : TCM-190RB12C



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	X-3359-415-1	CHASSIS ASSY, MECHANICAL		160	3-359-420-01	GEAR (CAM GEAR)(KE200)	
152	3-359-469-01	SPACER		160	3-936-483-01	GEAR (CAM GEAR)(EXCEPT KE200)	
153	3-359-425-01	SLIDER (REVERSE SLIDER)(RX300)		161	3-359-456-01	SPRING(TRIGGER SPRING),TORSION	
154	3-359-426-01	LEVER (REVERSE LEVER)(RX300)		162	X-3366-569-1	ARM ASSY, FR	
* 155	3-359-415-01	SLIDER (TRIGGER SLIDER)		163	3-924,187-11	S+RING (FR ARM), TORSION	
156	3-359-448-01	GEAR (TRIGGER)		164	3-359-419-11	GEAR (FR GEAR)	
157	3-359-427-01	SLIDER (LEVERSE SLIDER)(RX300)		165	3-359-421-01	CLUTCH (REEL DISK)	
158	3-359-454-01	SPRING, TORSION		166	3-359-418-01	PULLEY (FR PULLEY)	
159	3-359-429-01	SLIDER (BRAKE PLATE)					

# AUDIO

## SECTION 7 ELECTRICAL PARTS LIST

### NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms  
METAL : Metal-film resistor  
METAL OXIDE : Metal oxide-film resistor  
F : nonflammable
- Items marked “ \* ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

### ● SEMICONDUCTORS

In each case, u :  $\mu$ , for example :  
uA..... :  $\mu$  A....., uPA..... :  $\mu$  PA.....  
uPB..... :  $\mu$  PB....., uPC..... :  $\mu$  PC.....  
uPD..... :  $\mu$  PD.....

### ● CAPACITORS

uF :  $\mu$  F

### ● COILS

uH :  $\mu$  H

### ● Abbreviation

CND : Canadian  
AUS : Australian  
G : German

SP : Singapore  
MY : Malaysia

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.

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-2006-890-A	AUDIO BOARD, COMPLETE (KE300,KE400S)		C51	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	100V (RX300)
*	A-2007-040-A	AUDIO BOARD, COMPLETE (RX300)		C52	1-164-182-11	CERAMIC CHIP 0.0033uF 10%	50V (KE300,KE400S)
*	A-2007-171-A	AUDIO BOARD, COMPLETE (KE200)		C52	1-163-019-00	CERAMIC CHIP 0.0068uF 10%	50V (KE200)
		*****		C52	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	100V (RX300)
		< CAPACITOR >		C53	1-163-020-00	CERAMIC CHIP 0.0082uF 10%	50V (KE300,KE400S)
C11	1-163-133-00	CERAMIC CHIP 470PF	5% 50V (KE200,KE300,KE400S)	C53	1-163-022-00	CERAMIC CHIP 0.012uF 10%	50V (KE200)
C11	1-163-131-00	CERAMIC CHIP 390PF	5% 50V (RX300)	C53	1-163-019-00	CERAMIC CHIP 0.0068uF 10%	50V (RX300)
C12	1-136-157-00	FILM 0.022uF	5% 50V	C54	1-136-601-11	FILM 0.01uF	5% 630V (EXCEPT KE200)
C13	1-124-234-00	ELECT 22uF	20% 16V	C54	1-136-560-11	FILM 0.0056uF	5% 630V (KE200)
C14	1-136-272-00	FILM 68PF	5% 630V (KE200)	C56	1-164-505-11	CERAMIC CHIP 2.2uF	16V
C15	1-102-113-00	CERAMIC 390PF	10% 50V (KE200)	C57	1-164-346-11	CERAMIC CHIP 1uF	16V
C17	1-163-237-11	CERAMIC CHIP 27PF	5% 50V (KE200)	C58	1-163-024-00	CERAMIC CHIP 0.018uF	10% 50V (KE200)
C18	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C71	1-164-346-11	CERAMIC CHIP 1uF	16V (EXCEPT KE200)
C21	1-163-133-00	CERAMIC CHIP 470PF	5% 50V (KE200,KE300,KE400S)	C72	1-109-889-11	ELECT 1uF	20% 50V (KE200)
C21	1-163-131-00	CERAMIC CHIP 390PF	5% 50V (RX300)	C80	1-124-234-00	ELECT 22uF	20% 16V (EXCEPT KE200)
C22	1-136-157-00	FILM 0.022uF	5% 50V	C81	1-164-232-11	CERAMIC CHIP 0.01uF	50V (EXCEPT KE200)
C23	1-124-234-00	ELECT 22uF	20% 16V	C82	1-136-157-00	FILM 0.022uF	5% 50V (EXCEPT KE200)
C24	1-136-272-00	FILM 68PF	5% 630V (KE200)	C83	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V (EXCEPT KE200)
C25	1-102-113-00	CERAMIC 390PF	10% 50V (KE200)	C84	1-136-439-11	FILM 330PF	5% 630V (KE300,KE400S)
C27	1-163-237-11	CERAMIC CHIP 27PF	5% 50V (KE200)	C84	1-136-478-11	FILM 470PF	5% 630V (RX300)
C28	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C85	1-136-433-11	FILM 100PF	5% 630V (EXCEPT KE200)
C31	1-124-234-00	ELECT 22uF	20% 16V				
C32	1-124-234-00	ELECT 22uF	20% 16V				
C33	1-124-234-00	ELECT 22uF	20% 16V				
C51	1-164-182-11	CERAMIC CHIP 0.0033uF	10% 50V (KE300,KE400S)				
C51	1-163-019-00	CERAMIC CHIP 0.0068uF	10% 50V (KE200)				

**AUDIO**

Ref. No.	Part No.	Description	Remark
C86	1-163-143-00	CERAMIC CHIP	0.0012uF 5% 50V (EXCEPT KE200)
C87	1-136-273-91	FILM	75PF 5% 630V (EXCEPT KE200)
C88	1-163-003-11	CERAMIC CHIP	330PF 10% 50V (EXCEPT KE200)
C89	1-124-234-00	ELECT	22uF 20% 16V (EXCEPT KE200)
C90	1-107-584-11	CERAMIC	4PF 0.25PF 500V (EXCEPT KE200)
C91	1-164-232-11	CERAMIC CHIP	0.01uF 50V (EXCEPT KE200)
C92	1-136-157-00	FILM	0.022uF 5% 50V (EXCEPT KE200)
C93	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V (EXCEPT KE200)
C94	1-136-439-11	FILM	330PF 5% 630V (KE300,KE400S)
C94	1-136-478-11	FILM	470PF 5% 630V (RX300)
C95	1-136-433-11	FILM	100PF 5% 630V (EXCEPT KE200)
C96	1-163-143-00	CERAMIC CHIP	0.0012uF 5% 50V (EXCEPT KE200)
C97	1-136-273-91	FILM	75PF 5% 630V (EXCEPT KE200)
C98	1-163-003-11	CERAMIC CHIP	330PF 10% 50V (EXCEPT KE200)
C99	1-164-005-11	CERAMIC CHIP	0.47uF 25V (EXCEPT KE200)

< CONNECTOR >

* CNP31	1-580-782-11	CONNECTOR, BOARD TO BOARD
* CNP32	1-580-781-11	PIN, CONNECTOR (PC BOARD) 7P
* CNP33	1-580-782-11	CONNECTOR, BOARD TO BOARD
* CNP71	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P
CNP72	1-764-902-11	CONNECTOR, FFC/FPC 4P
* CNP75	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P (RX300)

< DIODE >

D31	8-719-404-46	DIODE MA110
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< IC >

IC31	8-759-106-02	IC uPC4570-G2
IC81	8-759-106-56	IC uPC1297CA (EXCEPT KE200)

< JUMPER RESISTOR >

JW1	1-216-296-00	METAL CHIP	0	5%	1/8W (KE200)
JW2	1-216-295-00	METAL CHIP	0	5%	1/10W (KE200)
JW3	1-216-295-00	METAL CHIP	0	5%	1/10W (KE200)

Ref. No.	Part No.	Description	Remark
JW4	1-216-295-00	METAL CHIP	0 5% 1/10W (KE200)
JW6	1-216-295-00	METAL CHIP	0 5% 1/10W (KE200)
JW7	1-216-295-00	METAL CHIP	0 5% 1/10W (KE200)
JW52	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW53	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW54	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW55	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW56	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW57	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW58	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW59	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW60	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW61	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW62	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)
JW63	1-216-296-00	METAL CHIP	0 5% 1/8W (KE200)

< COIL >

L11	1-410-780-11	INDUCTOR	27mH (KE200)
L21	1-410-780-11	INDUCTOR	27mH (KE200)
L81	1-410-780-11	INDUCTOR	27mH (EXCEPT KE200)
L91	1-410-780-11	INDUCTOR	27mH (EXCEPT KE200)

< TRANSISTOR >

Q51	8-729-822-05	TRANSISTOR	2SD1622-ST-TD (EXCEPT KE200)
Q51	8-729-142-46	TRANSISTOR	2SC2001-LK (KE200)
Q52	8-729-822-05	TRANSISTOR	2SD1622-ST-TD (EXCEPT KE200)
Q52	8-729-142-46	TRANSISTOR	2SC2001-LK (KE200)
Q53	8-729-822-05	TRANSISTOR	2SD1622-ST-TD (EXCEPT KE200)
Q53	8-729-111-29	TRANSISTOR	2SD1616A-K (KE200)
Q71	8-729-602-36	TRANSISTOR	2SA1602-F (KE300,KE400S)
Q71	8-729-216-22	TRANSISTOR	2SA1162-G (KE200,RX300)

< RESISTOR >

R11	1-216-107-00	METAL CHIP	270K	5%	1/10W (EXCEPT RX300)
R11	1-216-099-00	METAL CHIP	120K	5%	1/10W (RX300)
R12	1-216-025-91	METAL GLAZE	100	5%	1/10W
R13	1-216-100-00	METAL GLAZE	130K	5%	1/10W
R14	1-216-068-00	METAL CHIP	6.2K	5%	1/10W

# AUDIO

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R15	1-249-430-11	CARBON	12K 5% 1/4W (KE200)	R85	1-216-075-00	METAL CHIP	12K 5% 1/10W (EXCEPT KE200)
R21	1-216-107-00	METAL CHIP	270K 5% 1/10W (EXCEPT RX300)	R91	1-216-073-00	METAL CHIP	10K 5% 1/10W (EXCEPT KE200)
R21	1-216-099-00	METAL CHIP	120K 5% 1/10W (RX300)	R92	1-216-085-00	METAL CHIP	33K 5% 1/10W (EXCEPT KE200)
R22	1-216-025-91	METAL GLAZE	100 5% 1/10W	R93	1-216-001-00	METAL CHIP	10 5% 1/10W (EXCEPT KE200)
R23	1-216-100-00	METAL GLAZE	130K 5% 1/10W	R94	1-216-101-00	METAL CHIP	150K 5% 1/10W (EXCEPT KE200)
R24	1-216-068-00	METAL CHIP	6.2K 5% 1/10W	R95	1-216-075-00	METAL CHIP	12K 5% 1/10W (EXCEPT KE200)
R25	1-249-430-11	CARBON	12K 5% 1/4W (KE200)			< VARIABLE RESISTOR >	
R31	1-216-033-00	METAL CHIP	220 5% 1/10W	RV11	1-241-761-11	RES. ADJ. CARBON 1K (PB LEVEL L)	
R32	1-216-033-00	METAL CHIP	220 5% 1/10W	RV12	1-238-551-11	RES. ADJ. CARBON 220K (BIAS L) (KE200)	
R33	1-216-065-00	METAL CHIP	4.7K 5% 1/10W (EXCEPT KE200)	RV21	1-241-761-11	RES. ADJ. CARBON 1K (PB LEVEL R) (KE200,RX300)	
R41	1-249-393-11	CARBON	10 5% 1/4W (KE200)	RV22	1-238-551-11	RES. ADJ. CARBON 220K (BIAS R) (KE200)	
R42	1-249-393-11	CARBON	10 5% 1/4W (KE200)	RV71	1-241-630-11	RES. ADJ. CARBON 10K (TAPE SPEED L) (KE200,RX300)	
R51	1-216-091-00	METAL CHIP	56K 5% 1/10W (KE300,KE400S)	RV71	1-241-761-11	RES. ADJ. CARBON 1K (TAPE SPEED L) (KE300,KE400S)	
R51	1-216-085-00	METAL CHIP	33K 5% 1/10W (KE200)	RV72	1-241-630-11	RES. ADJ. CARBON 10K (TAPE SPEED H) (KE200,RX300)	
R51	1-216-097-91	METAL GLAZE	100K 5% 1/10W (RX300)	RV72	1-241-762-11	RES. ADJ. CARBON 2.2K (TAPE SPEED H) (KE300,KE400S)	
R52	1-216-091-00	METAL CHIP	56K 5% 1/10W (KE300,KE400S)	RV81	1-241-786-11	RES. ADJ. CARBON 22K (REC BIAS L) (EXCEPT KE200)	
R52	1-216-085-00	METAL CHIP	33K 5% 1/10W (KE200)	RV91	1-241-786-11	RES. ADJ. CARBON 22K (REC BIAS R) (EXCEPT KE200)	
R52	1-216-097-91	METAL GLAZE	100K 5% 1/10W (RX300)			< RELAY >	
R53	1-216-073-00	METAL CHIP	10K 5% 1/10W	RY31	1-515-913-11	RELAY	
R54	1-216-309-00	METAL CHIP	5.6 5% 1/10W			< TRANSFORMER >	
R55	1-216-309-00	METAL CHIP	5.6 5% 1/10W	T51	1-433-383-11	TRANSFORMER, BIAS OSCILLATION (KE300,KE400S)	
R56	1-216-298-00	METAL CHIP	2.2 5% 1/10W (KE200)	T51	1-426-650-11	TRANSFORMER, BIAS OSCILLATION (KE200)	
R57	1-216-298-00	METAL CHIP	2.2 5% 1/10W (EXCEPT KE200)	T51	1-406-417-11	COIL, BIAS OSCILLATION (RX300)	
R71	1-216-025-91	METAL GLAZE	100 5% 1/10W (KE300,KE400S)	T81	1-433-398-11	TRANSFORMER, BIAS OSCILLATOR (KE300,KE400S)	
R71	1-216-082-00	METAL GLAZE	24K 5% 1/10W (KE200,RX300)	T81	1-433-381-11	TRANSFORMER, BIAS OSCILLATOR (RX300)	
R72	1-216-055-00	METAL CHIP	1.8K 5% 1/10W (KE300,KE400S)	T91	1-433-398-11	TRANSFORMER, BIAS OSCILLATOR (KE300,KE400S)	
R72	1-216-081-00	METAL CHIP	22K 5% 1/10W (KE200,RX300)	T91	1-433-381-11	TRANSFORMER, BIAS OSCILLATOR (RX300)	
R73	1-216-089-91	METAL GLAZE	47K 5% 1/10W			< TEST PIN >	
R74	1-216-089-91	METAL GLAZE	47K 5% 1/10W	* TP81	1-568-449-11	HOUSING, CONNECTOR(PC BOARD)3P (EXCEPT KE200)	
R81	1-216-073-00	METAL CHIP	10K 5% 1/10W (EXCEPT KE200)			*****	
R82	1-216-085-00	METAL CHIP	33K 5% 1/10W (EXCEPT KE200)				
R83	1-216-001-00	METAL CHIP	10 5% 1/10W (EXCEPT KE200)				
R84	1-216-101-00	METAL CHIP	150K 5% 1/10W (EXCEPT KE200)				

Ref. No.	Part No.	Description	Remark		
*	A-2007-481-A	DOLBY-S BOARD, COMPLETE (KE400S) *****			
< CAPACITOR >					
C1	1-136-165-00	FILM	0.1uF	5%	50V
C2	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C3	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C4	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C5	1-136-165-00	FILM	0.1uF	5%	50V
C6	1-136-165-00	FILM	0.1uF	5%	50V
C7	1-137-372-11	FILM	0.022uF	5%	50V
C8	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C9	1-126-301-11	ELECT	1uF	20%	50V
C10	1-137-442-11	FILM	0.039uF	5%	50V
C11	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C12	1-164-717-11	CERAMIC CHIP	0.0082uF	5%	50V
C13	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C14	1-124-465-00	ELECT	0.47uF	20%	50V
C15	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C16	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C17	1-124-465-00	ELECT	0.47uF	20%	50V
C18	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C19	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C20	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C21	1-164-717-11	CERAMIC CHIP	0.0082uF	5%	50V
C22	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C23	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C24	1-137-442-11	FILM	0.039uF	5%	50V
C25	1-136-165-00	FILM	0.1uF	5%	50V
C26	1-137-372-11	FILM	0.022uF	5%	50V
C28	1-163-038-91	CERAMIC CHIP	0.1uF		25V
< CONNECTOR >					
CN1	1-695-092-11	SOCKET, CONNECTOR 7P  < IC >			
IC1	8-752-076-30	IC CXA1917AM  < JUMPER RESISTOR >			
J1	1-216-296-00	METAL CHIP	0	0.5%	1/8W
J2	1-216-296-00	METAL CHIP	0	0.5%	1/8W
J3	1-216-296-00	METAL CHIP	0	0.5%	1/8W
< RESISTOR >					
R1	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R2	1-208-811-11	METAL GLAZE	16K	2%	1/10W
R3	1-208-791-11	METAL GLAZE	2.4K	2%	1/10W
R4	1-208-799-11	METAL GLAZE	5.1K	2%	1/10W
R5	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R6	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R7	1-216-615-11	METAL CHIP	33	0.5%	1/10W

Ref. No.	Part No.	Description	Remark		
R8	1-208-462-41	METAL GLAZE	10K	2%	1/10W
R9	1-208-812-11	METAL GLAZE	18K	2%	1/10W
R10	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R11	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R12	1-216-684-11	METAL CHIP	24K	0.5%	1/10W
R13	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R14	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R15	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R16	1-216-678-11	METAL CHIP	13K	0.5%	1/10W
R17	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R18	1-208-462-41	METAL GLAZE	10K	2%	1/10W
R19	1-208-462-41	METAL GLAZE	10K	2%	1/10W
R20	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
*****					
*	1-638-020-11	LEAF SW BOARD *****			
< CONNECTOR >					
* CNP81	1-568-850-11	SOCKET, CONNECTOR 7P			
CNP81	1-695-368-31	PIN, CONNECTOR (PC BOARD) 7P  < IC >			
IC81	8-749-924-10	IC (PHONT REFLECTOR NJL5165K-B (H1))  < RESISTOR >			
R81	1-249-414-11	CARBON	560	5%	1/4W
R82	1-247-818-11	CARBON	300	5%	1/4W (RX300)
R83	1-247-834-11	CARBON	1.3K	5%	1/4W
R84	1-249-417-11	CARBON	1K	5%	1/4W
R85	1-249-408-11	CARBON	180	5%	1/4W
< SWITCH >					
S81	1-571-958-11	SWITCH, PUSH (1 KEY) (STOP)			
S82	1-571-281-21	SWITCH, LEAF (70uS)			
S83	1-571-281-21	SWITCH, LEAF (METAL)			
S84	1-571-281-21	SWITCH, LEAF (REC-A)			
S85	1-571-281-21	SWITCH, LEAF (REC-B) (RX300)			
S86	1-571-281-21	SWITCH, LEAF (HALF)			
*****					



**MAIN****AC POWER SW****PANEL****POWER SW****REC VOL****TRANSFORMER****HP**

Ref. No.	Part No.	Description	Remark
*	A-2007-523-A	MAIN BOARD, COMPLETE (KE200)	
*	A-2007-524-A	MAIN BOARD, COMPLETE (KE400S:EXCEPT US)	
*	A-2007-525-A	MAIN BOARD, COMPLETE (KE400S:US)	
*	A-2007-526-A	MAIN BOARD, COMPLETE (KE300:EXCEPT E)	
*	A-2007-527-A	MAIN BOARD, COMPLETE (KE300:E)	
*	A-2007-591-A	MAIN BOARD, COMPLETE (RX300)	
		*****	
		AC POWER SW BOARD (EXCEPT US,CND,E)	
		*****	
		PANEL BOARD	
		*****	
		POWER SW BOARD (US,CND,E)	
		*****	
		REC VOL BOARD	
		*****	
		TRANSFORMER BOARD	
		*****	
		HP BOARD	
		*****	
*	3-377-337-11	HOLDER (FL)	
*	3-923-762-11	HOLDER (TR)	
		< CAPACITOR >	
C101	1-137-372-11	FILM	0.022uF 5% 50V (EXCEPT KE200)
C101	1-136-157-00	FILM	0.022uF 5% 50V (KE200)
C102	1-126-963-11	ELECT	4.7uF 20% 50V
C103	1-162-302-11	CERAMIC	0.0022uF 20% 16V (EXCEPT KE200)
C104	1-126-964-11	ELECT	10uF 20% 50V
C105	1-136-165-00	FILM	0.1uF 5% 50V
C106	1-136-163-00	FILM	0.068uF 5% 50V
C107	1-126-965-11	ELECT	22uF 20% 50V
C108	1-126-964-11	ELECT	10uF 20% 50V (KE400S)
C109	1-126-964-11	ELECT	10uF 20% 50V
C110	1-126-963-11	ELECT	4.7uF 20% 50V
C111	1-126-962-11	ELECT	3.3uF 20% 50V
C112	1-124-902-00	ELECT	0.47uF 20% 50V
C113	1-126-963-11	ELECT	4.7uF 20% 50V
C131	1-126-963-11	ELECT	4.7uF 20% 50V (EXCEPT KE200)
C132	1-126-962-11	ELECT	3.3uF 20% 50V
C133	1-162-294-31	CERAMIC	0.001uF 10% 50V
C201	1-137-372-11	FILM	0.022uF 5% 50V (EXCEPT KE200)
C201	1-136-157-00	FILM	0.022uF 5% 50V (KE200)
C202	1-126-963-11	ELECT	4.7uF 20% 50V
C203	1-162-302-11	CERAMIC	0.0022uF 20% 16V (EXCEPT KE200)
C204	1-126-964-11	ELECT	10uF 20% 50V
C205	1-136-165-00	FILM	0.1uF 5% 50V
C206	1-136-163-00	FILM	0.068uF 5% 50V

Ref. No.	Part No.	Description	Remark
C207	1-126-965-11	ELECT	22uF 20% 50V
C208	1-126-964-11	ELECT	10uF 20% 50V (KE400S)
C209	1-126-964-11	ELECT	10uF 20% 50V
C210	1-126-963-11	ELECT	4.7uF 20% 50V
C211	1-126-962-11	ELECT	3.3uF 20% 50V
C212	1-124-902-00	ELECT	0.47uF 20% 50V
C213	1-126-963-11	ELECT	4.7uF 20% 50V
C231	1-126-963-11	ELECT	4.7uF 20% 50V (EXCEPT KE200)
C232	1-126-962-11	ELECT	3.3uF 20% 50V
C233	1-162-294-31	CERAMIC	0.001uF 10% 50V
C501	1-126-952-11	ELECT	1000uF 20% 16V
C502	1-126-964-11	ELECT	10uF 20% 50V
C503	1-126-964-11	ELECT	10uF 20% 50V
C504	1-124-903-11	ELECT	1uF 20% 50V (EXCEPT KE200)
C505	1-126-964-11	ELECT	10uF 20% 50V
C506	1-126-925-11	ELECT	470uF 20% 10V (KE400S,KE200)
C506	1-126-933-11	ELECT	100uF 20% 10V (KE300,RX300)
C511	1-137-374-11	FILM	0.047uF 5% 50V (EXCEPT KE200)
C512	1-136-164-00	FILM	0.082uF 5% 50V (EXCEPT KE200)
C513	1-137-367-11	FILM	0.0033uF 5% 50V (EXCEPT KE200)
C521	1-126-964-11	ELECT	10uF 20% 50V
C551	1-162-282-31	CERAMIC	100PF 10% 50V
C552	1-161-494-00	CERAMIC	0.022uF 25V
C553	1-162-217-31	CERAMIC	56PF 5% 50V
C554	1-124-925-11	ELECT	2.2uF 20% 100V
C555	1-124-925-11	ELECT	2.2uF 20% 100V
C571	1-124-925-11	ELECT	2.2uF 20% 100V
C572	1-126-916-11	ELECT	1000uF 20% 6.3V
C601	1-164-159-11	CERAMIC	0.1uF 50V
C602	1-162-288-31	CERAMIC	330PF 10% 50V
C701	1-126-943-11	ELECT	2200uF 20% 25V
C702	1-126-943-11	ELECT	2200uF 20% 25V
C703	1-104-664-11	ELECT	47uF 20% 25V
C704	1-126-926-11	ELECT	1000uF 20% 10V
C705	1-126-926-11	ELECT	1000uF 20% 10V
C706	1-126-935-11	ELECT	470uF 20% 6.3V
C707	1-126-964-11	ELECT	10uF 20% 50V
C708	1-126-963-11	ELECT	4.7uF 20% 50V
C709	1-126-968-11	ELECT	100uF 20% 50V
C710	1-104-664-11	ELECT	47uF 20% 25V
C711	1-164-159-11	CERAMIC	0.1uF 50V
C712	1-161-494-00	CERAMIC	0.022uF 25V
△C713	1-113-925-11	CERAMIC	0.01uF 20% 250V (EXCEPT US,E)

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.

**MAIN**

**AC POWER SW**

**PANEL**

**POWER SW**

**REC VOL**

**TRANSFORMER**

**HP**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C714	1-136-169-00	FILM	0.22uF 5% 50V (KE200,KE300:EXCEPT E.KE400S)	D709	8-719-933-54	DIODE HZS9A2L	
C715	1-136-169-00	FILM	0.22uF 5% 50V (KE200,KE300:EXCEPT E.KE400S)	D710	8-719-000-60	DIODE UZL-6M2	
△C716	1-113-920-11	CERAMIC	0.0022uF 20% 250V (RX300)	D711	8-719-987-63	DIODE 1N4148M	
C801	1-126-963-11	ELECT	4.7uF 20% 50V	D712	8-719-987-63	DIODE 1N4148M	
C803	1-161-494-00	CERAMIC	0.022uF 25V	D713	8-719-000-93	DIODE UZL-7H1	
C804	1-161-494-00	CERAMIC	0.022uF 25V	D714	8-719-987-63	DIODE 1N4148M	
C805	1-161-494-00	CERAMIC	0.022uF 25V	D715	8-719-985-41	DIODE HZS2CLL	
C806	1-126-964-11	ELECT	10uF 20% 50V	D801	8-719-933-33	DIODE HZS6A1L	
C807	1-126-935-11	ELECT	470uF 20% 6.3V	D802	8-719-933-33	DIODE HZS6A1L	< INDICATOR TUBE >
C808	1-161-494-00	CERAMIC	0.022uF 25V	FL901	1-517-374-11	INDICATOR TUBE, FLUORESCENT (KE400S)	
C809	1-161-494-00	CERAMIC	0.022uF 25V	FL901	1-517-173-11	INDICATOR TUBE, FLUORESCENT (EXCEPT KE400S)	
C810	1-162-282-31	CERAMIC	100PF 10% 50V				< IC >
C811	1-164-159-11	CERAMIC	0.1uF 50V	IC501	8-752-066-35	IC CXA1563S (KE400S)	
C812	1-137-374-11	FILM	0.047uF 5% 50V (KE200,KE300:EXCEPT E.KE400S)	IC501	8-752-060-46	IC CXA1561S (EXCEPT KE400S)	
		< CONNECTOR >		IC502	8-752-055-62	IC CXA1579P (EXCEPT RX300)	
* CN81	1-568-826-11	SOCKET, CONNECTOR 7P		IC502	8-752-055-61	IC CXA1578P (RX300)	
CN101	1-695-087-11	PIN, CONNECTOR (PC BOARD) 7P (KE400S)		IC503	8-759-634-51	IC M5218AP (EXCEPT KE200)	
CN201	1-695-087-11	PIN, CONNECTOR (PC BOARD) 7P (KE400S)		IC504	8-759-634-51	IC M5218AP	
* CN504	1-568-830-11	SOCKET, CONNECTOR 11P		IC505	8-759-634-51	IC M5218AP	
* CN505	1-568-954-11	PIN, CONNECTOR 5P (US,CND,E)		IC506	8-759-140-53	IC MC14053BCP (EXCEPT KE200)	
CN506	1-506-468-11	PIN, CONNECTOR 3P		IC507	8-759-634-51	IC M5218AP (EXCEPT KE200)	
CN701	1-564-510-11	PLUG, CONNECTOR 7P		IC508	8-759-000-48	IC MC14052BCP	
* CN702	1-580-230-31	PIN, CONNECTOR (PC BOARD) 2P		IC509	8-759-916-14	IC SN74HC04AN (EXCEPT KE200)	
* CN703	1-573-565-11	PIN, CONNECTOR 5P (KE300:E)		IC510	8-759-634-51	IC M5218AP	
CN704	1-568-226-11	PIN, CONNECTOR 2P (EXCEPT US,E)		IC511	8-759-634-51	IC M5218AP	
* CN801	1-568-844-11	SOCKET, CONNECTOR 29P		IC512	8-759-634-51	IC M5218AP (KE400S)	
* CN901	1-568-844-11	SOCKET, CONNECTOR 29P		IC601	8-759-803-42	IC LA6500-FA	
* CN904	1-568-830-11	SOCKET, CONNECTOR 11P		IC701	8-759-634-51	IC M5218AP	
* CNB31	1-691-916-11	CONNECTOR, BOARD TO BOARD		IC801	8-752-856-27	IC CXP82612-022Q	
* CNB33	1-691-916-11	CONNECTOR, BOARD TO BOARD		IC802	8-759-165-82	IC PST600E-T	
		< DIODE >		IC901	8-741-810-59	IC SBX1810-59	
D131	8-719-987-63	DIODE 1N4148M				< JACK >	
D132	8-719-987-63	DIODE 1N4148M		J501	1-770-614-11	JACK, PIN 4P (LINE)	
D231	8-719-987-63	DIODE 1N4148M		J502	1-568-519-41	JACK, LARGE TYPE (PHONES)	
D232	8-719-987-63	DIODE 1N4148M				< FILTER >	
D511	8-719-987-63	DIODE 1N4148M (EXCEPT KE200)		LPF101	1-235-175-11	FILTER, LOW PASS (EXCEPT KE200)	
D512	8-719-987-63	DIODE 1N4148M (EXCEPT KE200)		LPF101	1-236-087-11	FILTER, LOW PASS (KE200)	
D513	8-719-987-63	DIODE 1N4148M		LPF201	1-235-175-11	FILTER, LOW PASS (EXCEPT KE200)	
D551	8-719-987-63	DIODE 1N4148M		LPF201	1-236-087-11	FILTER, LOW PASS (KE200)	
D701	8-719-024-99	DIODE 11ES2-NTA2B				< TRANSISTOR >	
D702	8-719-024-99	DIODE 11ES2-NTA2B		Q101	8-729-900-89	TRANSISTOR DTC144ES	
D703	8-719-024-99	DIODE 11ES2-NTA2B		Q102	8-729-900-80	TRANSISTOR DTC114ES (EXCEPT KE200)	
D704	8-719-024-99	DIODE 11ES2-NTA2B		Q121	8-729-922-37	TRANSISTOR 2SD2144S-UVW	
D705	8-719-024-99	DIODE 11ES2-NTA2B		Q122	8-729-119-78	TRANSISTOR 2SC2785-HFE (EXCEPT KE200)	
D706	8-719-024-99	DIODE 11ES2-NTA2B		Q201	8-729-900-89	TRANSISTOR DTC144ES	
D707	8-719-024-99	DIODE 11ES2-NTA2B					
D708	8-719-933-33	DIODE HZS6A1L					

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<b>MAIN</b>	<b>AC POWER SW</b>	<b>PANEL</b>	<b>POWER SW</b>	<b>REC VOL</b>	<b>TRANSFORMER</b>	<b>HP</b>
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q202	8-729-900-80	TRANSISTOR DTC114ES (EXCEPT KE200)		R124	1-249-437-11	CARBON 47K	5% 1/4W (EXCEPT KE200)
Q221	8-729-922-37	TRANSISTOR 2SD2144S-UVW		R125	1-249-425-11	CARBON 4.7K	5% 1/4W (EXCEPT KE200)
Q222	8-729-119-78	TRANSISTOR 2SC2785-HFE (EXCEPT KE200)		R131	1-249-425-11	CARBON 4.7K	5% 1/4W (EXCEPT KE200)
Q503	8-729-422-57	TRANSISTOR UN4111		R132	1-247-822-11	CARBON 430	5% 1/4W (EXCEPT KE200)
Q504	8-729-900-80	TRANSISTOR DTC114ES		R133	1-247-866-11	CARBON 30K	5% 1/4W (EXCEPT KE200)
Q505	8-729-900-89	TRANSISTOR DTC144ES (RX300)		R134	1-249-435-11	CARBON 33K	5% 1/4W
Q511	8-729-119-78	TRANSISTOR 2SC2785-HFE (EXCEPT KE200)		R135	1-249-439-11	CARBON 68K	5% 1/4W
Q512	8-729-900-74	TRANSISTOR DTC143ES (EXCEPT KE200)		R136	1-249-410-11	CARBON 270	5% 1/4W
Q521	8-729-900-80	TRANSISTOR DTC114ES		R141	1-249-432-11	CARBON 18K	5% 1/4W
Q531	8-729-422-57	TRANSISTOR UN4111 (EXCEPT KE200)		R142	1-249-432-11	CARBON 18K	5% 1/4W
Q532	8-729-900-80	TRANSISTOR DTC114ES		R143	1-249-423-11	CARBON 3.3K	5% 1/4W
Q551	8-729-119-76	TRANSISTOR 2SA1175-HFE		R144	1-247-848-11	CARBON 5.1K	5% 1/4W
Q572	8-729-422-57	TRANSISTOR UN4111		R145	1-249-409-11	CARBON 220	5% 1/4W
Q573	8-729-900-65	TRANSISTOR DTA144ES (EXCEPT KE200)		R151	1-249-433-11	CARBON 22K	5% 1/4W
Q601	8-729-801-93	TRANSISTOR 2SD1387-3		R152	1-249-417-11	CARBON 1K	5% 1/4W
Q701	8-729-141-83	TRANSISTOR 2SB1094-LK		R153	1-249-441-11	CARBON 100K	5% 1/4W
Q702	8-729-209-15	TRANSISTOR 2SD2012		R154	1-249-433-11	CARBON 22K	5% 1/4W
Q703	8-729-900-74	TRANSISTOR DTC143TS (EXCEPT KE200)		R201	1-247-838-00	CARBON 2K	5% 1/4W (EXCEPT RX300)
Q704	8-729-141-83	TRANSISTOR 2SB1094-LK		R201	1-249-421-11	CARBON 2.2K	5% 1/4W (RX300)
Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE		R202	1-247-842-11	CARBON 3K	5% 1/4W (EXCEPT RX300)
Q706	8-729-900-74	TRANSISTOR DTC143TS (EXCEPT KE200)		R202	1-249-423-11	CARBON 3.3K	5% 1/4W (RX300)
Q707	8-729-119-76	TRANSISTOR 2SA1175-HFE		R204	1-249-417-11	CARBON 1K	5% 1/4W
Q708	8-729-140-04	TRANSISTOR 2SB1116A-L		R205	1-249-423-11	CARBON 3.3K	5% 1/4W
Q803	8-729-900-80	TRANSISTOR DTC114ES		R206	1-247-887-00	CARBON 220K	5% 1/4W (EXCEPT KE200)
Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE		R207	1-249-428-11	CARBON 8.2K	5% 1/4W
		< RESISTOR >		R208	1-249-429-11	CARBON 10K	5% 1/4W
R101	1-247-838-00	CARBON 2K	5% 1/4W (EXCEPT RX300)	R210	1-249-429-11	CARBON 10K	5% 1/4W
R101	1-249-421-11	CARBON 2.2K	5% 1/4W (RX300)	R211	1-249-423-11	CARBON 3.3K	5% 1/4W
R102	1-247-842-11	CARBON 3K	5% 1/4W (EXCEPT RX300)	R212	1-247-864-11	CARBON 24K	5% 1/4W (KE400S)
R102	1-249-423-11	CARBON 3.3K	5% 1/4W (RX300)	R213	1-249-429-11	CARBON 10K	5% 1/4W (KE400S)
R104	1-249-417-11	CARBON 1K	5% 1/4W	R214	1-249-437-11	CARBON 47K	5% 1/4W (KE400S)
R105	1-249-423-11	CARBON 3.3K	5% 1/4W	R221	1-249-437-11	CARBON 47K	5% 1/4W
R106	1-247-887-00	CARBON 220K	5% 1/4W (EXCEPT KE200)	R222	1-249-421-11	CARBON 2.2K	5% 1/4W
R107	1-249-428-11	CARBON 8.2K	5% 1/4W	R223	1-249-421-11	CARBON 2.2K	5% 1/4W
R108	1-249-429-11	CARBON 10K	5% 1/4W	R224	1-249-437-11	CARBON 47K	5% 1/4W (EXCEPT KE200)
R110	1-249-429-11	CARBON 10K	5% 1/4W	R225	1-249-425-11	CARBON 4.7K	5% 1/4W (EXCEPT KE200)
R111	1-249-423-11	CARBON 3.3K	5% 1/4W	R231	1-249-425-11	CARBON 4.7K	5% 1/4W (EXCEPT KE200)
R112	1-247-864-11	CARBON 24K	5% 1/4W (KE400S)	R232	1-247-822-11	CARBON 430	5% 1/4W (EXCEPT KE200)
R113	1-249-429-11	CARBON 10K	5% 1/4W (KE400S)				
R114	1-249-437-11	CARBON 47K	5% 1/4W (KE400S)				
R121	1-249-437-11	CARBON 47K	5% 1/4W				
R122	1-249-421-11	CARBON 2.2K	5% 1/4W				
R123	1-249-421-11	CARBON 2.2K	5% 1/4W				

**MAIN****AC POWER SW****PANEL****POWER SW****REC VOL****TRANSFORMER****HP**

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
R233	1-247-866-11	CARBON	30K	5% 1/4W (EXCEPT KE200)	R526	1-249-429-11	CARBON	10K	5% 1/4W (RX300)
R234	1-249-435-11	CARBON	33K	5% 1/4W	R527	1-249-426-11	CARBON	5.6K	5% 1/4W (EXCEPT KE200)
R235	1-249-439-11	CARBON	68K	5% 1/4W	R528	1-249-422-11	CARBON	2.7K	5% 1/4W (EXCEPT KE200)
R236	1-249-410-11	CARBON	270	5% 1/4W	R529	1-249-429-11	CARBON	10K	5% 1/4W
R241	1-249-432-11	CARBON	18K	5% 1/4W	R530	1-249-421-11	CARBON	2.2K	5% 1/4W
R242	1-249-432-11	CARBON	18K	5% 1/4W	R531	1-249-427-11	CARBON	6.8K	5% 1/4W (KE300,KE400S)
R243	1-249-423-11	CARBON	3.3K	5% 1/4W	R531	1-249-426-11	CARBON	5.6K	5% 1/4W (RX300)
R244	1-247-848-11	CARBON	5.1K	5% 1/4W	R532	1-249-433-11	CARBON	22K	5% 1/4W (KE300,KE400S)
R245	1-249-409-11	CARBON	220	5% 1/4W	R532	1-247-862-11	CARBON	20K	5% 1/4W (RX300)
R251	1-249-433-11	CARBON	22K	5% 1/4W	R535	1-249-419-11	CARBON	1.5K	5% 1/4W (KE300,KE400S)
R252	1-249-417-11	CARBON	1K	5% 1/4W	R536	1-249-421-11	CARBON	2.2K	5% 1/4W (EXCEPT KE200)
R253	1-249-441-11	CARBON	100K	5% 1/4W	R537	1-247-866-11	CARBON	30K	5% 1/4W (EXCEPT KE200)
R254	1-249-433-11	CARBON	22K	5% 1/4W	R538	1-247-852-11	CARBON	7.5K	5% 1/4W (EXCEPT KE200)
R502	1-215-452-00	METAL	20K	1% 1/4W	R539	1-249-431-11	CARBON	15K	5% 1/4W (EXCEPT KE200)
R503	1-249-422-11	CARBON	2.7K	5% 1/4W	R540	1-247-874-11	CARBON	62K	5% 1/4W (EXCEPT KE200)
R504	1-215-455-00	METAL	27K	1% 1/4W	R541	1-249-429-11	CARBON	10K	5% 1/4W (EXCEPT KE200)
R505	1-249-417-11	CARBON	1K	5% 1/4W (EXCEPT KE200)	R542	1-249-429-11	CARBON	10K	5% 1/4W (EXCEPT KE200)
R506	1-249-429-11	CARBON	10K	5% 1/4W (RX300)	R543	1-249-429-11	CARBON	10K	5% 1/4W (EXCEPT KE200)
R507	1-249-440-11	CARBON	82K	5% 1/4W (RX300)	R544	1-249-429-11	CARBON	10K	5% 1/4W (EXCEPT KE200)
R512	1-249-421-11	CARBON	2.2K	5% 1/4W (EXCEPT KE200)	R553	1-249-437-11	CARBON	47K	5% 1/4W
R513	1-249-441-11	CARBON	100K	5% 1/4W (EXCEPT KE200)	R555	1-249-427-11	CARBON	6.8K	5% 1/4W
R514	1-249-441-11	CARBON	100K	5% 1/4W (EXCEPT KE200)	R556	1-249-423-11	CARBON	3.3K	5% 1/4W
R515	1-249-436-11	CARBON	39K	5% 1/4W (EXCEPT KE200)	R557	1-249-441-11	CARBON	100K	5% 1/4W
R516	1-249-425-11	CARBON	4.7K	5% 1/4W (EXCEPT KE200)	R558	1-249-429-11	CARBON	10K	5% 1/4W
R517	1-249-433-11	CARBON	22K	5% 1/4W (EXCEPT KE200)	R559	1-249-441-11	CARBON	100K	5% 1/4W
R518	1-249-425-11	CARBON	4.7K	5% 1/4W (EXCEPT KE200)	R560	1-249-417-11	CARBON	1K	5% 1/4W
R521	1-249-426-11	CARBON	5.6K	5% 1/4W (KE300,KE400S)	R561	1-249-432-11	CARBON	18K	5% 1/4W
R521	1-247-852-11	CARBON	7.5K	5% 1/4W (RX300)	R562	1-249-436-11	CARBON	39K	5% 1/4W
R522	1-249-426-11	CARBON	5.6K	5% 1/4W (KE300,KE400S)	R563	1-247-848-11	CARBON	5.1K	5% 1/4W (KE200)
R522	1-247-852-11	CARBON	7.5K	5% 1/4W (RX300)	R564	1-247-834-11	CARBON	1.3K	5% 1/4W (KE200)
R523	1-247-858-11	CARBON	13K	5% 1/4W (EXCEPT KE200)	R565	1-249-430-11	CARBON	12K	5% 1/4W (KE200)
R524	1-247-852-11	CARBON	7.5K	5% 1/4W (RX300)	R567	1-249-433-11	CARBON	22K	5% 1/4W (KE200)
R525	1-247-854-11	CARBON	9.1K	5% 1/4W (KE300,KE400S)	R572	1-249-429-11	CARBON	10K	5% 1/4W
R525	1-249-429-11	CARBON	10K	5% 1/4W (RX300)	R573	1-249-429-11	CARBON	10K	5% 1/4W
R526	1-247-854-11	CARBON	9.1K	5% 1/4W (KE300,KE400S)					

<b>MAIN</b>	<b>AC POWER SW</b>	<b>PANEL</b>	<b>POWER SW</b>	<b>REC VOL</b>	<b>TRANSFORMER</b>	<b>HP</b>
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R574	1-249-435-11	CARBON	33K 5% 1/4W (EXCEPT KE200)	R815	1-247-807-31	CARBON 100	5% 1/4W
R575	1-247-807-31	CARBON	100 5% 1/4W	R816	1-247-807-31	CARBON 100	5% 1/4W
R576	1-249-435-11	CARBON	33K 5% 1/4W (KE400S)	R820	1-247-807-31	CARBON 100	5% 1/4W
R577	1-249-429-11	CARBON	10K 5% 1/4W	R821	1-249-429-11	CARBON 10K	5% 1/4W
R578	1-249-433-11	CARBON	22K 5% 1/4W	R822	1-249-429-11	CARBON 10K	5% 1/4W
R601	1-249-419-11	CARBON	1.5K 5% 1/4W	R823	1-249-429-11	CARBON 10K	5% 1/4W
R602	1-249-429-11	CARBON	10K 5% 1/4W	R824	1-249-421-11	CARBON 2.2K	5% 1/4W
R603	1-247-807-31	CARBON	100 5% 1/4W	R825	1-249-435-11	CARBON 33K	5% 1/4W
R604	1-249-433-11	CARBON	22K 5% 1/4W	R826	1-249-421-11	CARBON 2.2K	5% 1/4W
R605	1-249-433-11	CARBON	22K 5% 1/4W	R827	1-249-422-11	CARBON 2.7K	5% 1/4W
R606	1-249-430-11	CARBON	12K 5% 1/4W	R828	1-249-422-11	CARBON 2.7K	5% 1/4W
R607	1-249-433-11	CARBON	22K 5% 1/4W	R829	1-249-422-11	CARBON 2.7K	5% 1/4W
R608	1-247-862-11	CARBON	20K 5% 1/4W	R830	1-249-429-11	CARBON 10K	5% 1/4W
R609	1-249-429-11	CARBON	10K 5% 1/4W	R831	1-249-429-11	CARBON 10K	5% 1/4W
R701	1-249-425-11	CARBON	4.7K 5% 1/4W	R832	1-249-437-11	CARBON 47K	5% 1/4W
R702	1-249-419-11	CARBON	1.5K 5% 1/4W	R833	1-249-437-11	CARBON 47K	5% 1/4W
R703	1-249-418-11	CARBON	1.2K 5% 1/4W	R901	1-249-420-11	CARBON 1.8K	5% 1/4W
R704	1-249-427-11	CARBON	6.8K 5% 1/4W	R902	1-249-423-11	CARBON 3.3K	5% 1/4W
R705	1-249-419-11	CARBON	1.5K 5% 1/4W	R903	1-249-426-11	CARBON 5.6K	5% 1/4W
R706	1-249-419-11	CARBON	1.5K 5% 1/4W	R904	1-249-429-11	CARBON 10K	5% 1/4W
R707	1-249-429-11	CARBON	10K 5% 1/4W	R905	1-249-435-11	CARBON 33K	5% 1/4W
R708	1-249-425-11	CARBON	4.7K 5% 1/4W	R906	1-249-420-11	CARBON 1.8K	5% 1/4W
R709	1-249-409-11	CARBON	220 5% 1/4W	R907	1-249-423-11	CARBON 3.3K	5% 1/4W
R710	1-249-417-11	CARBON	1K 5% 1/4W	R908	1-249-426-11	CARBON 5.6K	5% 1/4W
R711	1-249-427-11	CARBON	6.8K 5% 1/4W	R909	1-249-429-11	CARBON 10K	5% 1/4W (RX300)
R712	1-249-427-11	CARBON	6.8K 5% 1/4W	R910	1-249-435-11	CARBON 33K	5% 1/4W (RX300)
R713	1-249-421-11	CARBON	2.2K 5% 1/4W	R912	1-247-807-31	CARBON 100	5% 1/4W
R714	1-249-425-11	CARBON	4.7K 5% 1/4W (US,CND,E)	R913	1-249-429-11	CARBON 10K	5% 1/4W
R715	1-249-421-11	CARBON	2.2K 5% 1/4W	R921	1-249-430-11	CARBON 12K	5% 1/4W (KE400S)
R716	1-249-437-11	CARBON	47K 5% 1/4W	R921	1-247-836-11	CARBON 1.6K	5% 1/4W (EXCEPT KE400S)
R717	1-249-429-11	CARBON	10K 5% 1/4W	R922	1-249-427-11	CARBON 6.8K	5% 1/4W (KE400S)
R718	1-247-870-11	CARBON	43K 5% 1/4W	R922	1-249-421-11	CARBON 2.2K	5% 1/4W (EXCEPT KE400S)
R719	1-249-429-11	CARBON	10K 5% 1/4W	R923	1-249-423-11	CARBON 3.3K	5% 1/4W
R801	1-249-417-11	CARBON	1K 5% 1/4W	R924	1-247-868-11	CARBON 36K	5% 1/4W (KE400S)
R802	1-249-441-11	CARBON	100K 5% 1/4W	R924	1-249-427-11	CARBON 6.8K	5% 1/4W (KE300,RX300)
R803	1-249-429-11	CARBON	10K 5% 1/4W	R925	1-247-836-11	CARBON 1.6K	5% 1/4W (KE400S)
R805	1-249-434-11	CARBON	27K 5% 1/4W	R926	1-249-421-11	CARBON 2.2K	5% 1/4W (KE400S)
R806	1-249-434-11	CARBON	27K 5% 1/4W (EXCEPT KE200)				< VARIABLE RESISTOR >
R807	1-249-434-11	CARBON	27K 5% 1/4W (EXCEPT KE200)	RV111	1-241-630-11	RES, ADJ, CARBON 10K (RECORD LEVEL L)	
R808	1-249-434-11	CARBON	27K 5% 1/4W (EXCEPT KE200)	RV211	1-241-630-11	RES, ADJ, CARBON 10K (RECORD LEVEL R)	
R809	1-249-434-11	CARBON	27K 5% 1/4W (EXCEPT KE200)	RV901	1-223-604-11	RES, VAR, CARBON 10K/10K (REC LEVEL)	
R810	1-247-807-31	CARBON	100 5% 1/4W	RV902	1-223-605-11	RES, VAR, CARBON 20K/20K (BALANCE)	
R811	1-247-807-31	CARBON	100 5% 1/4W				
R812	1-247-807-31	CARBON	100 5% 1/4W				
R813	1-247-807-31	CARBON	100 5% 1/4W				
R814	1-247-807-31	CARBON	100 5% 1/4W				

**MAIN****AC POWER SW****PANEL****POWER SW****REC VOL****TRANSFORMER****HP**

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S901	1-554-303-21	SWITCH, TACTILE (■ PAUSE)	
S902	1-554-303-21	SWITCH, TACTILE (◀▶ AMS ▶▶) (RX300)	
S903	1-554-303-21	SWITCH, TACTILE (◀▶ AMS ▶▶) (EXCEPT RX300)	
S904	1-554-303-21	SWITCH, TACTILE (◀▶ AMS ▶▶) (RX300)	
S905	1-554-303-21	SWITCH, TACTILE (○ REC MUTE)	
S906	1-554-303-21	SWITCH, TACTILE (RESET)	
S907	1-554-303-21	SWITCH, TACTILE (MEMORY)	
S908	1-554-303-21	SWITCH, TACTILE (■)	
S909	1-554-303-21	SWITCH, TACTILE (◀◀)	
S910	1-554-303-21	SWITCH, TACTILE (▶▶)	
S911	1-554-303-21	SWITCH, TACTILE (● REC)	
S912	1-762-567-11	SWITCH, SLIDE (DIRECTION) (RX300)	
S921	1-554-303-21	SWITCH, TACTILE (AUTO CAL) (EXCEPT KE200)	
S922	1-762-647-11	SWITCH, ROTARY (DOLBY NR) (KE400S)	
S922	1-762-641-11	SWITCH, ROTARY (DOLBY NR) (KE300,RX300)	
S922	1-762-640-11	SWITCH, ROTARY (DOLBY NR) (KE200)	
△S930	1-762-581-11	SWITCH, AC POWER PUSH (1 KEY) (POWER) (EXCEPT US,CND,E)	
S931	1-762-580-11	SWITCH, PUSH (1 KEY) (POWER) (US,CND,E)	
		< TRANSFORMER >	
△T901	1-426-651-11	TRANSFORMER,POWER (KE200,KE300: EXCEPT E)	
△T901	1-426-652-11	TRANSFORMER,POWER (KE300:E)	
△T901	1-427-743-11	TRANSFORMER,POWER (RX300)	
△T901	1-427-751-11	TRANSFORMER,POWER (KE400S:EXCEPT US)	
△T901	1-427-752-11	TRANSFORMER,POWER (KE400S:US)	
		< TEST PIN >	
* TP801	1-560-060-00	PIN, CONNECTOR 2P	
		< VIBRATOR >	
X801	1-577-360-11	VIBRATOR, CERAMIC (6MHz)	
*****			
		MISCELLANEOUS	
		*****	
△9	1-569-007-11	ADAPTER, CONVERSION 2P (KE300:E)	
56	1-773-287-11	WIRE (FLAT TYPE) (29 CORE)	
61	1-765-318-11	WIRE (FLAT TYPE) (7 CORE)	
67	1-769-947-11	WIRE (FLAT TYPE) (11 CORE)	
△CNP901	1-558-945-21	CORD, POWER (POLAR.SPT-1)	
△CNP901	1-575-651-21	CORD, POWER (AEP,G,MY,SP)	
△CNP901	1-696-027-11	CORD, POWER (E)	
△CNP901	1-696-845-11	CORD, POWER (AUS)	
△CNP901	1-751-523-11	CORD, POWER (UK)	
FL901	1-517-173-11	INDICATOR TUBE, FLUORESCENT (KE200,KE300,RX300)	
FL901	1-517-374-11	INDICATOR TUBE, FLUORESCENT (KE400S)	

Ref. No.	Part No.	Description	Remark
HE901	1-543-673-11	HEAD, MAGNETIC (ERASE) (EXCEPT RX300)	
HRP901	1-543-919-11	HEAD,MAGNETIC (RECORD/PLAYBACK) (EXCEPT RX300)	
HRPE901A-2004-527-A		DECK ASSY, HEAD (RECORD/PLAYBACK/ERASE) (RX300)	
M901	X-3363-501-2	MOTOR ASSY,REEL (REEL)	
M902	X-3365-377-2	MOTOR ASSY,CAPSTAN (CAPSTAN)	
△S701	1-570-046-21	SWITCH, VOLTAGE CHANGE (E)	
△T901	1-426-651-11	TRANSFORMER, POWER (KE200,KE300:EXCEPT E)	
△T901	1-426-652-11	TRANSFORMER, POWER (KE300:E)	
△T901	1-427-743-11	TRANSFORMER, POWER (RX300)	
△T901	1-427-751-11	TRANSFORMER, POWER (KE400S:EXCEPT US)	
△T901	1-427-752-11	TRANSFORMER, POWER (KE400S:US)	
*****			
		ACCESSORIES & PACKING MATERIALS	
		*****	
	1-551-734-11	CORD, CONNECTION	
	3-856-130-11	MANUAL, INSTRUCTION (ENGLISH/FRENCH) (RX300)	
	3-856-134-11	MANUAL, INSTRUCTION (ENGLISH/FRENCH/ SPANISH/PORTUGUESE) (AEP)	
	3-856-134-21	MANUAL, INSTRUCTION (ENGLISH) (US,UK,AUS)	
	3-856-134-31	MANUAL, INSTRUCTION (GERMAN/DUTCH/ SWEDISH/ITALIAN)(AEP)	
	3-856-134-41	MANUAL, INSTRUCTION (GERMAN) (G)	
	3-856-134-51	MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH,CHINESE) (E,MY,SP)	
*	3-931-693-01	INDIVIDUAL CARTON (KE400S:US,AUS)	
*	3-932-083-01	CUSHION	
*	3-935-033-01	INDIVIDUAL CARTON (KE200)	
*	3-935-034-01	INDIVIDUAL CARTON (KE300:AEP,G,MY,SP)	
*	3-935-035-01	INDIVIDUAL CARTON (KE400S:AEP,UK,G)	
*	3-935-036-01	INDIVIDUAL CARTON (RX300)	
*	3-935-090-01	INDIVIDUAL CARTON (KE300:E,AUS)	

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**HARDWARE LIST**

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#1	7-682-548-04	SCREW +BVTT 3X8 (S)
#2	7-685-871-01	SCREW +BVTT 3X6 (S)
#3	7-685-872-09	SCREW +BVTT 3X8 (S)
#4	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
#5	7-685-862-09	SCREW +BVTT 2.6X6 (S)
#6	7-685-134-19	SCREW (+ PTPWH) (2.6X8)
#7	7-621-775-00	SCREW +B 2.6X3
#8	7-627-556-08	SCREW +P 2.6X2.8
#9	7-621-772-58	SCREW (+B2X10) (EXCEPT RX300)

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.



