

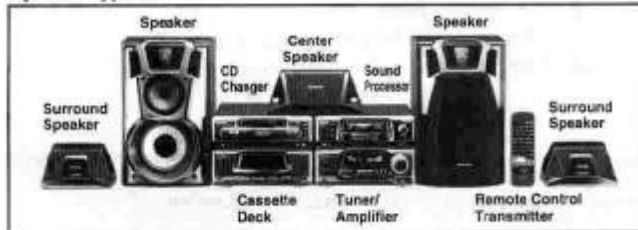
Service Manual

Stereo Cassette Deck

Cassette Deck

RS-EH600

System Type A



Colour

(K) Black Type
(H) Gray Type

Areas

(GK) China.
(GCS) ... Asia, Latin America,
Middle East, Africa
and Oceania.

System Type B



* 1

Because of unique interconnecting cables,
when a component requires service, send or
bring in the entire system.

* 1 : Dolby noise reduction manufactured
under license from Dolby Laboratories
Licensing Corporation.
"Dolby" and the double-D symbol are
trade marks of Dolby Laboratories
Licensing Corporation.

* 2 : Made in Singapore

AR-2 MECHANISM SERIES

Specifications

Deck system : Stereo cassette deck
Track system : 4 track, 2 channels
Recording system : AC bias
Bias frequency : 100 kHz
Erasing system : AC erase
Heads :
DECK 1 (Playback head) : Permalloy head
DECK 2 (Recording/Playback head) : Permalloy head
(Erasing head) : Double gap ferrite head
Motors :
DECK 1, 2 Capstan drive : DC servo motor
Tape speed : 4.8 cm/sec.
Wow and flutter : 0.16 % (WRMS)
Fast forward and rewind times : Approx. 110 seconds
with C-60 cassette tape

Frequency response (Dolby NR off) :

TYPE I (NORMAL) ; 20 Hz~16 kHz (DIN)
TYPE II (HIGH) ; 20 Hz~16 kHz (DIN)
TYPE IV (METAL) ; 20 Hz~16 kHz (DIN)
S/N (Signal level = max recording level, TYPE II type tape) :
NR off ; 56 dB (A weighted)
Dolby B NR on ; 66 dB (A weighted)
Input sensitivity and impedance :
REC (IN) ; 400 mV/23 kΩ
Output voltage and impedance :
PLAY (OUT) ; 280 mV/360 Ω
Dimensions : 287 (W) × 118.5 (H) × 277 (D) mm
Weight : 2.0 kg

Notes : Specifications are subject to change without notice.
Weight and dimensions are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

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■ Contents

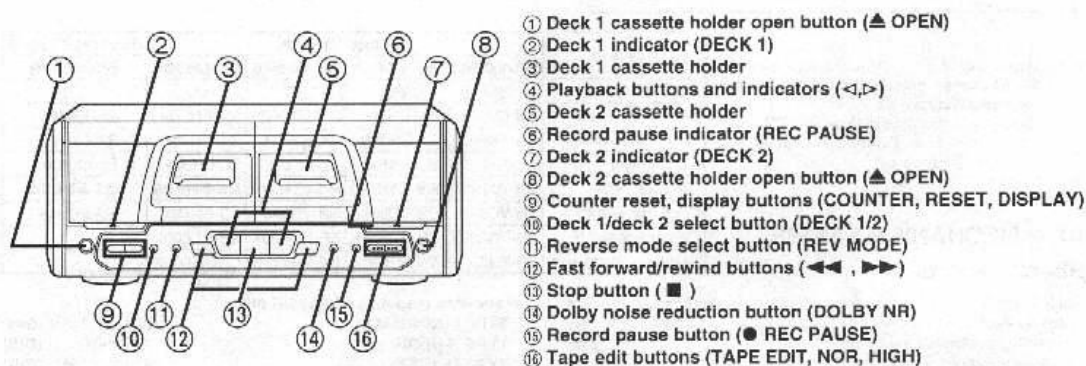
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Note :

For information on "Accessories", "Installation", "Connections" and "Packaging", refer to the service manual as indicated below:

System	SC-VC968	SC-VC868	SC-VC848	SC-VC838	SC-EH501
Model No.	SA-EH600	SA-EH500	SA-EH501	SA-EH400	SA-EH501
Order No.	AD9712166C3	AD9712178C3	AD9712182C3	AD9712179C3	AD9712182C3

■ Location of Controls



■ Operation Checks and Main Component Replacement Procedures

NOTE

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.
4. Refer the parts No. on the page of "Main Component Replacement Procedures", if necessary.

● Contents

•Checking Procedure for each P.C.B.

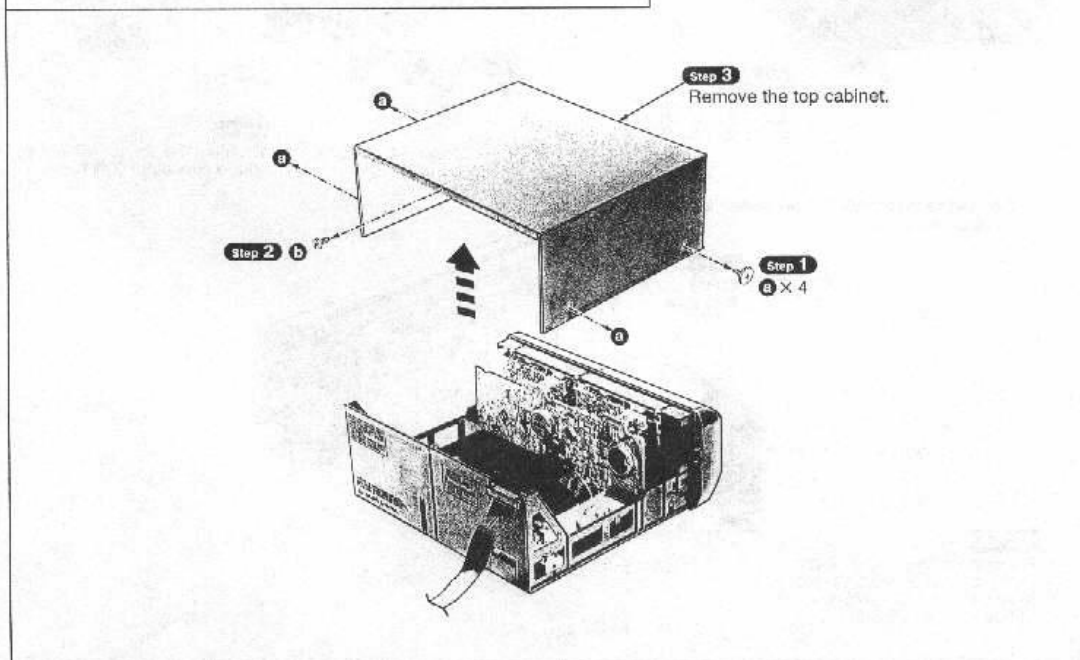
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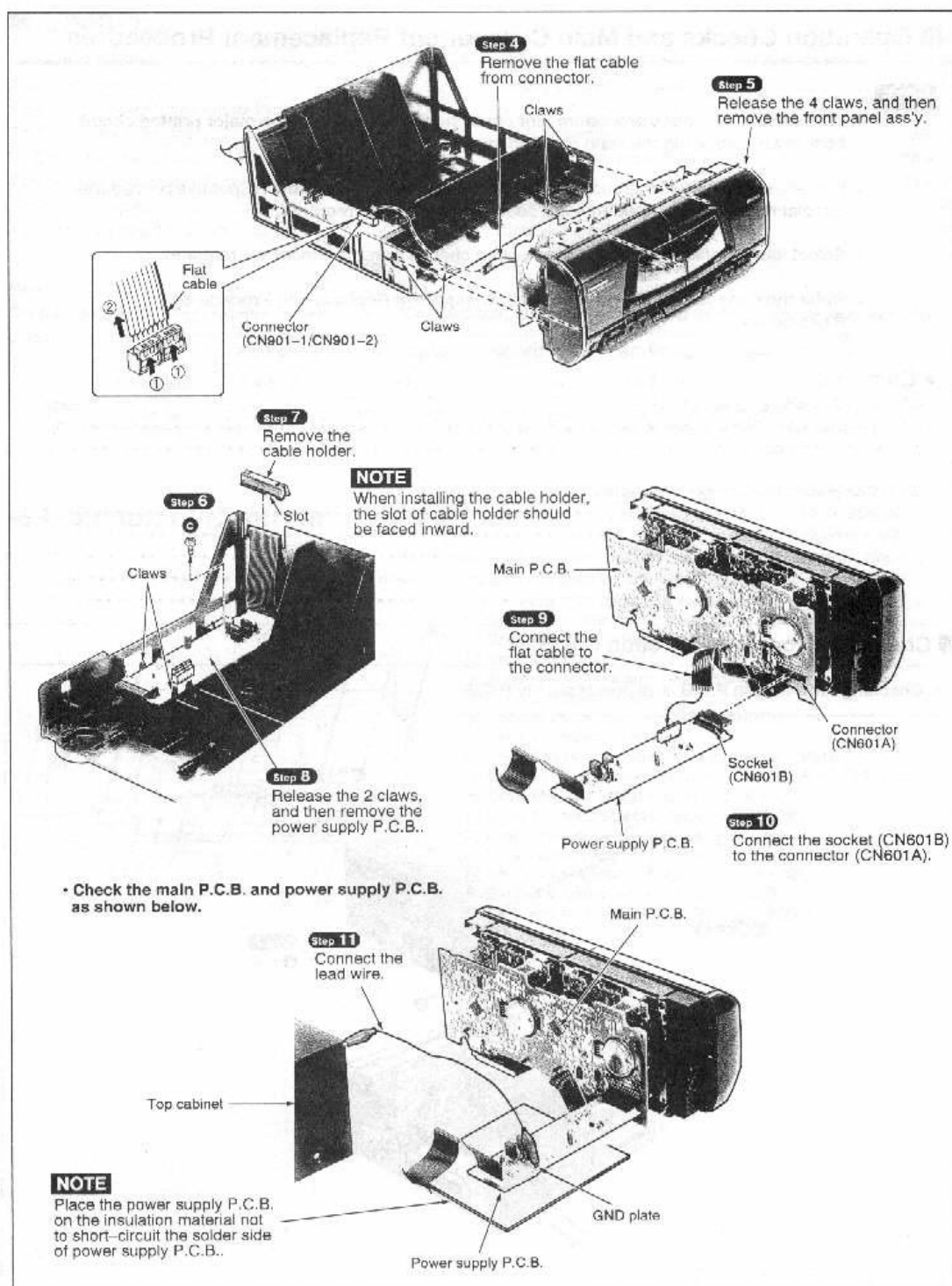
•Main Component Replacement Procedures

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3. Replacement for the motor ass'y, capstan belt and winding belt.	8-11.
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■ Checking Procedure for each P.C.B.

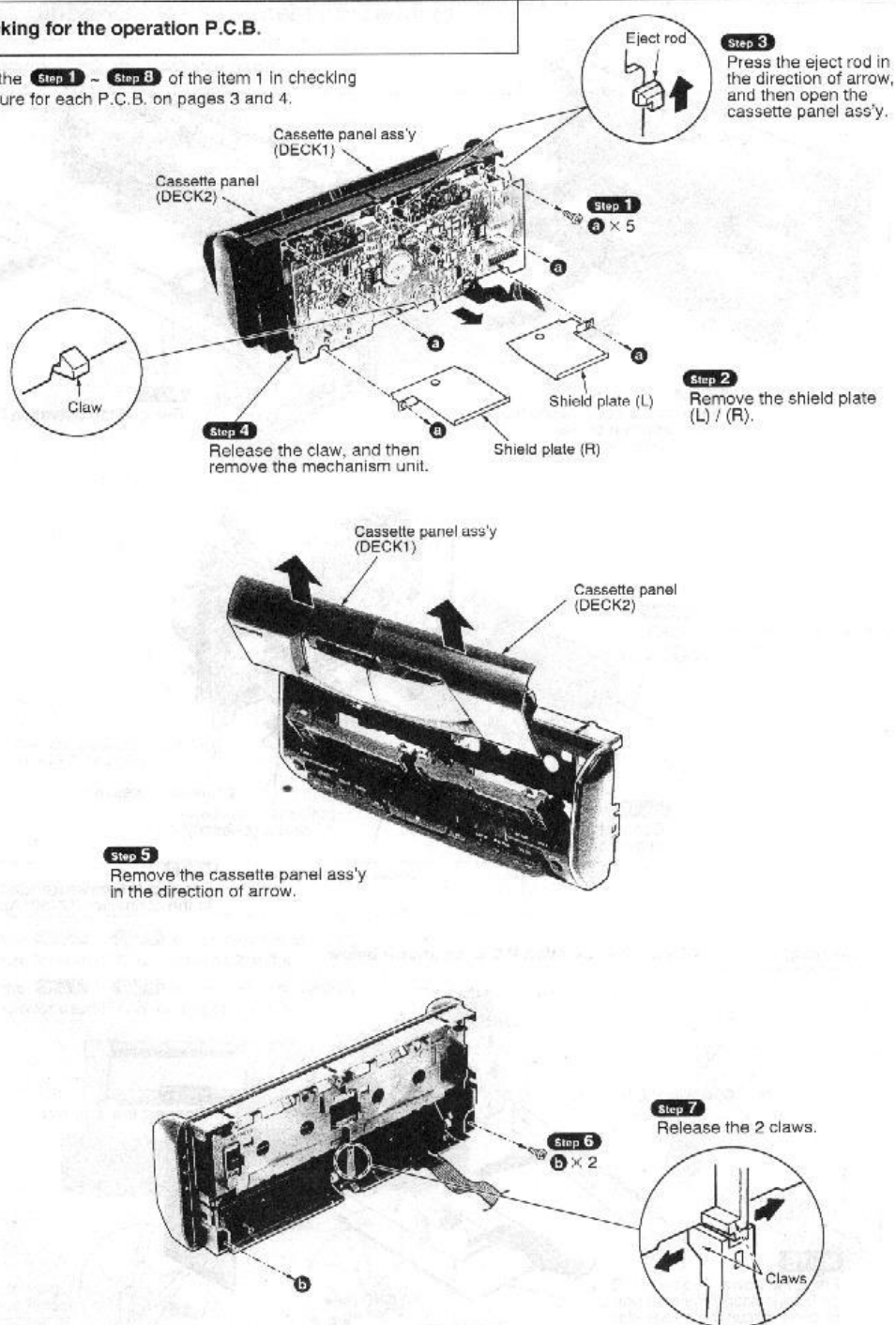
1. Checking for the main P.C.B. and power supply P.C.B.

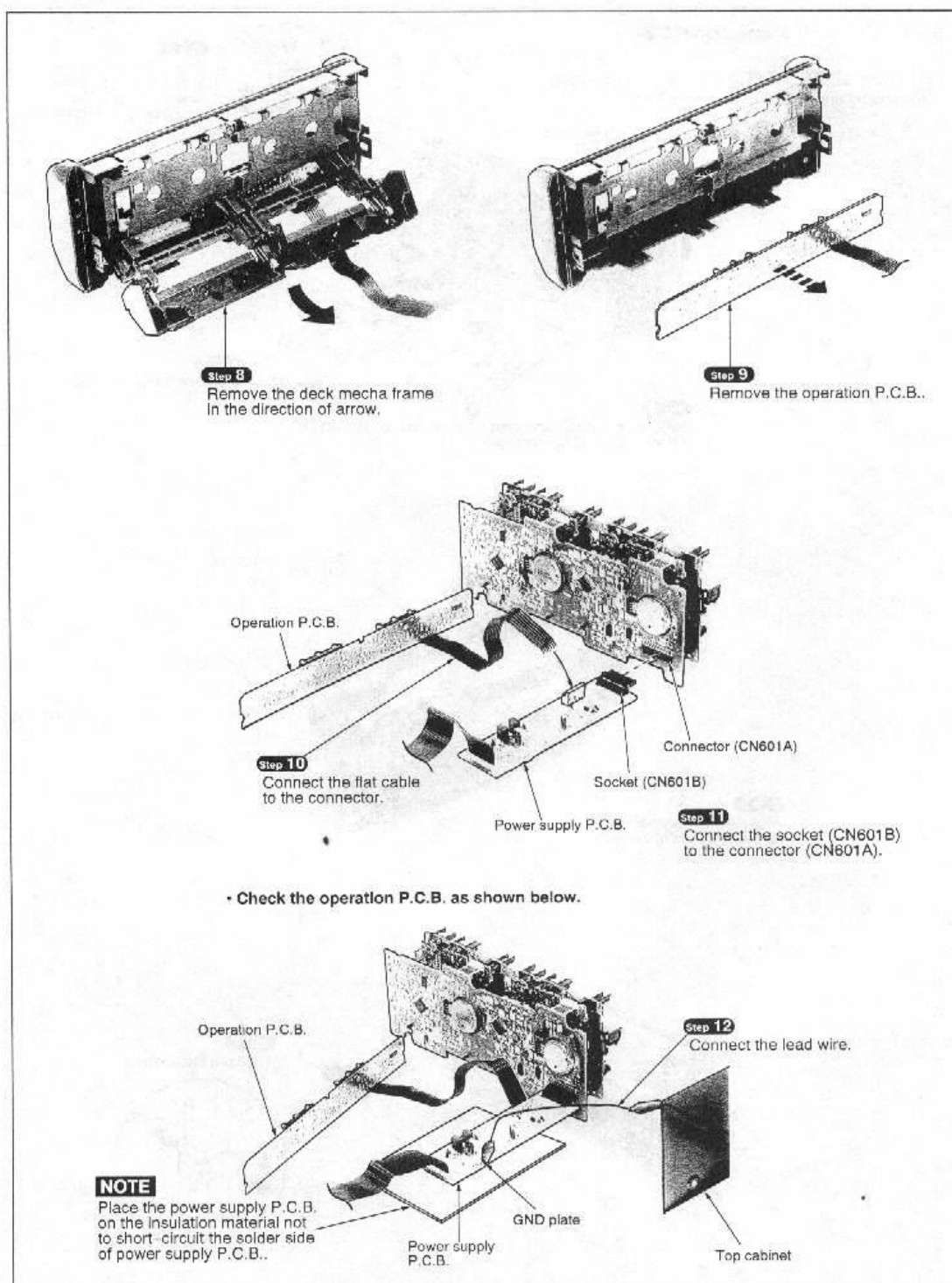




2. Checking for the operation P.C.B.

- Follow the **Step 1** ~ **Step 8** of the item 1 in checking procedure for each P.C.B. on pages 3 and 4.

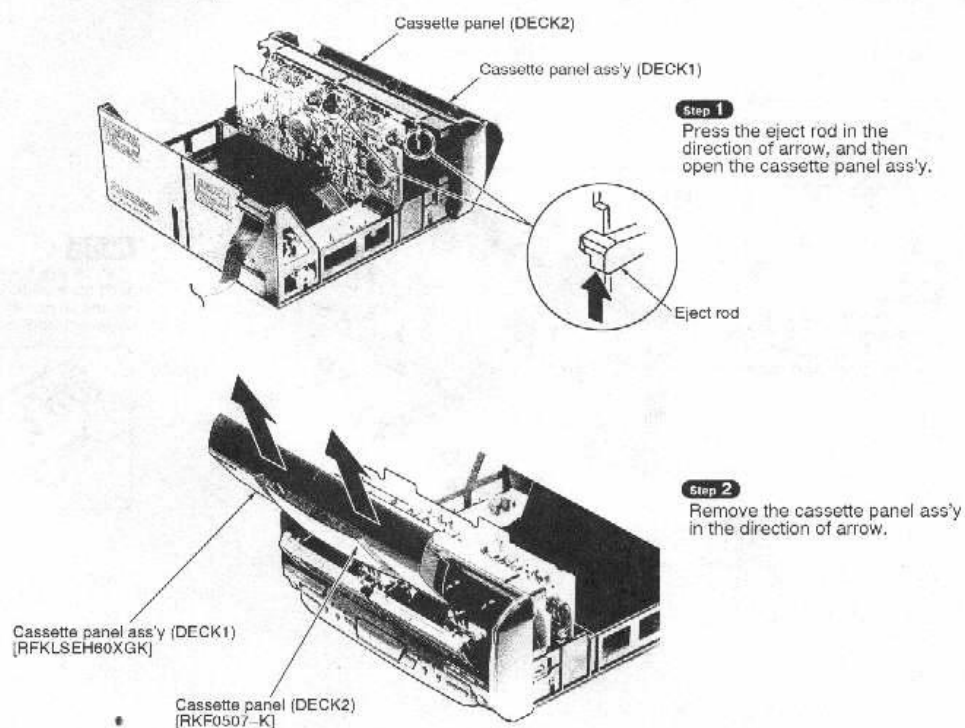




■ Main Component Replacement procedures

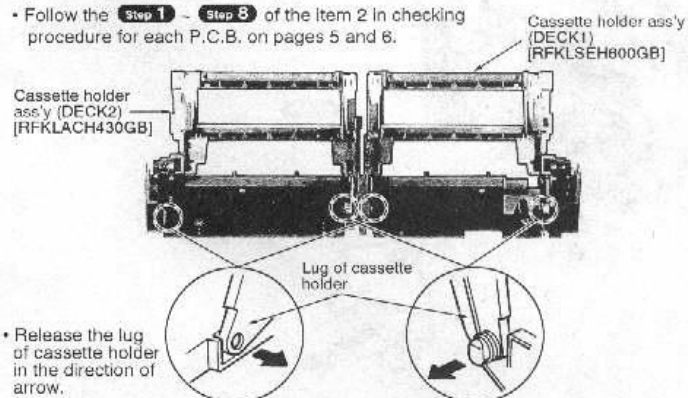
1. Replacement for the cassette panel ass'y

- Follow the **Step 1** – **Step 3** of the item 1 in checking procedure for each P.C.B. on pages 3 and 4.



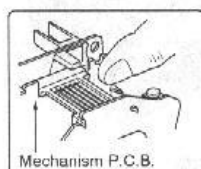
2. Replacement for the cassette holder

- Follow the **Step 1** – **Step 5** of the item 1 in checking procedure for each P.C.B. on pages 3 and 4.
- Follow the **Step 1** – **Step 8** of the item 2 in checking procedure for each P.C.B. on pages 5 and 6.



3. Replacement for the motor ass'y, capstan belt and winding belt

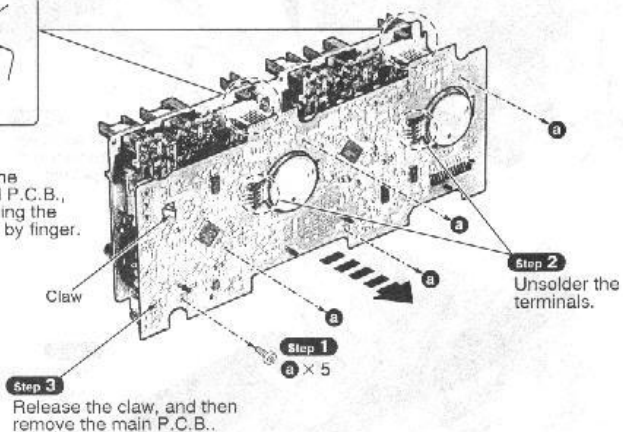
- Follow the **Step 1** ~ **Step 5** of the item 1 in checking procedure for each P.C.B. on pages 3 and 4.
- Follow the **Step 1** ~ **Step 4** of the item 2 in checking procedure for each P.C.B. on page 5.



Mechanism P.C.B.

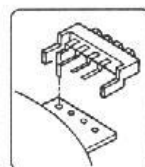
NOTE

When removing the mechanism control P.C.B., remove it with holding the mechanism P.C.B. by finger.



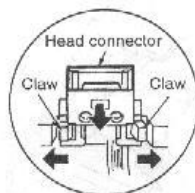
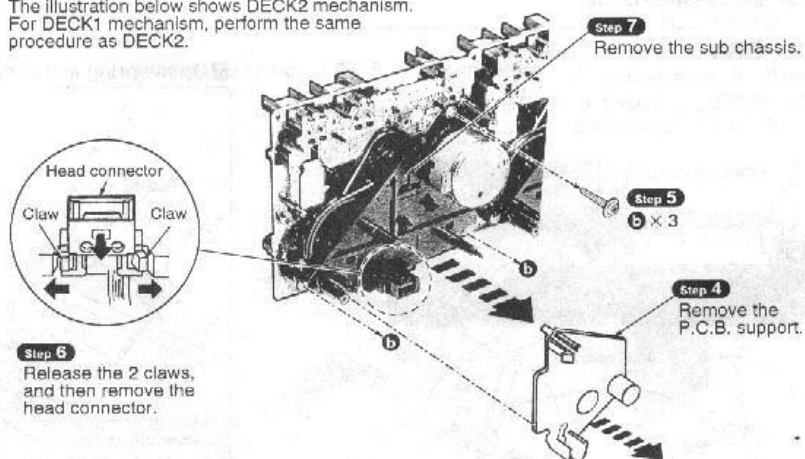
NOTE

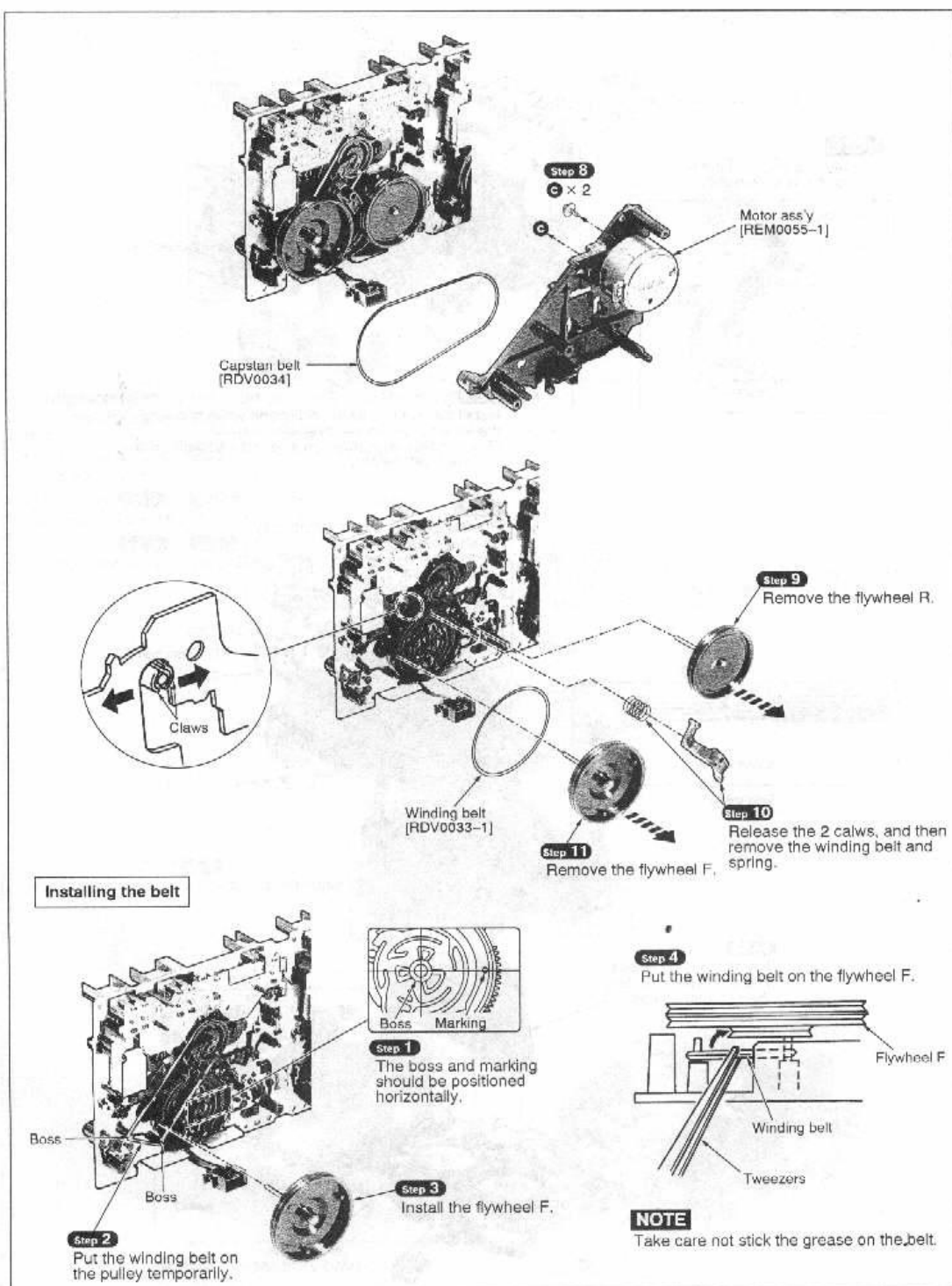
Handle the connector with care so that the shape of terminals different from others.



NOTE

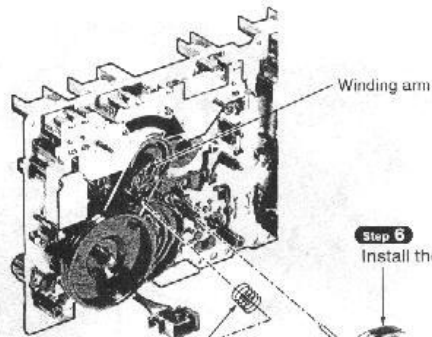
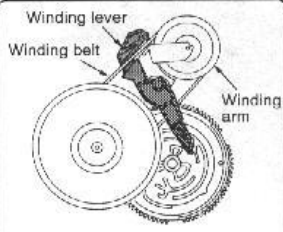
The illustration below shows DECK2 mechanism. For DECK1 mechanism, perform the same procedure as DECK2.





NOTE

The winding lever should be positioned as shown below.

**Step 6**

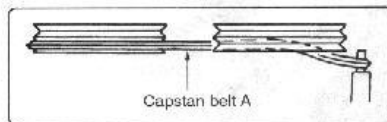
Install the flywheel R.

Step 5

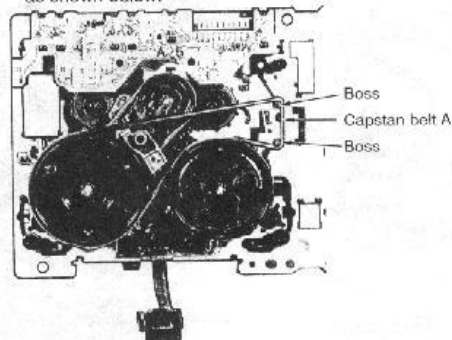
Install the winding lever and spring while pressing the winding arm in the direction of arrow.
(The winding lever must be inserted completely and latched with claws.)

Step 7

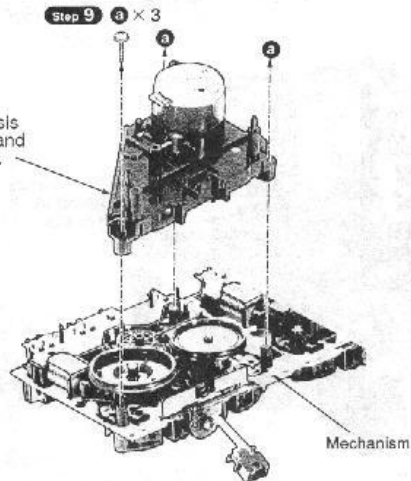
Put the capstan belt A temporarily as shown below.

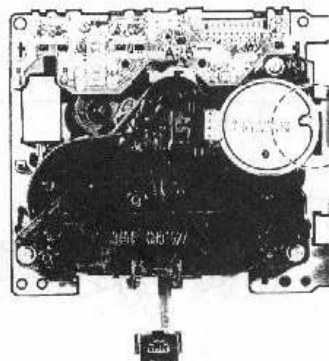


(Side view)

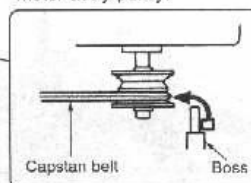
**Step 9** 3 × 3**Step 8**

Install the sub chassis to the mechanism, and then tighten screws.



**Step 10**

Put the capstan belt on the motor ass'y pulley.

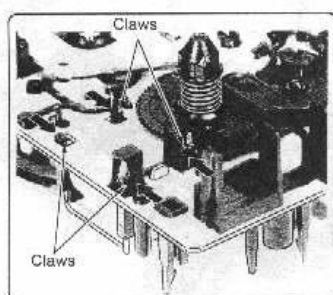
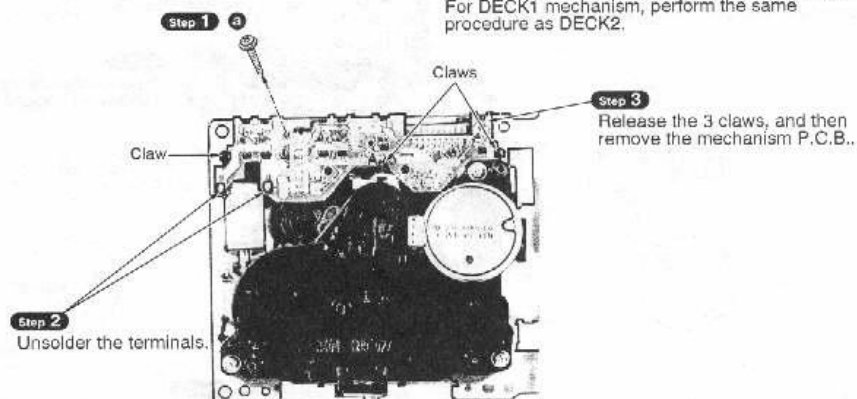


4. Replacement for the plunger ass'y and the parts mounted on mechanism P.C.B.

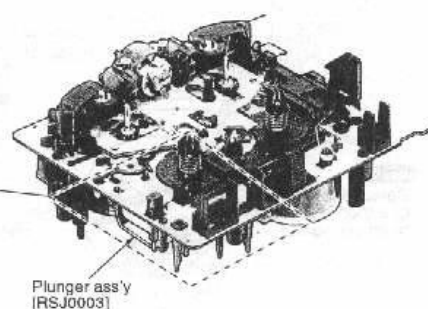
- Follow the **Step 1** ~ **Step 5** of the item 1 in checking procedure for each P.C.B. on pages 3 and 4.
- Follow the **Step 1** ~ **Step 4** of the item 2 in checking procedure for each P.C.B. on page 5.
- Follow the **Step 1** ~ **Step 3** of the item 3 in main component replacement procedures on page 8.

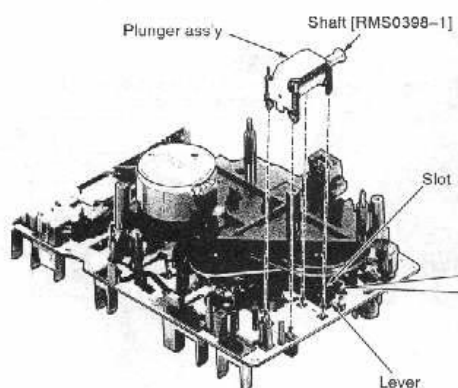
NOTE

The illustration below shows DECK2 mechanism. For DECK1 mechanism, perform the same procedure as DECK2.

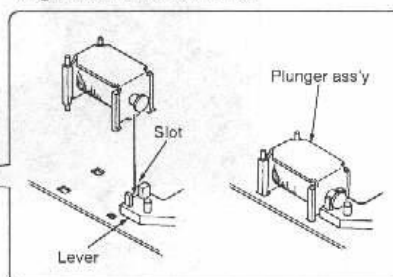


Step 4 Release the 4 claws.



**NOTE**

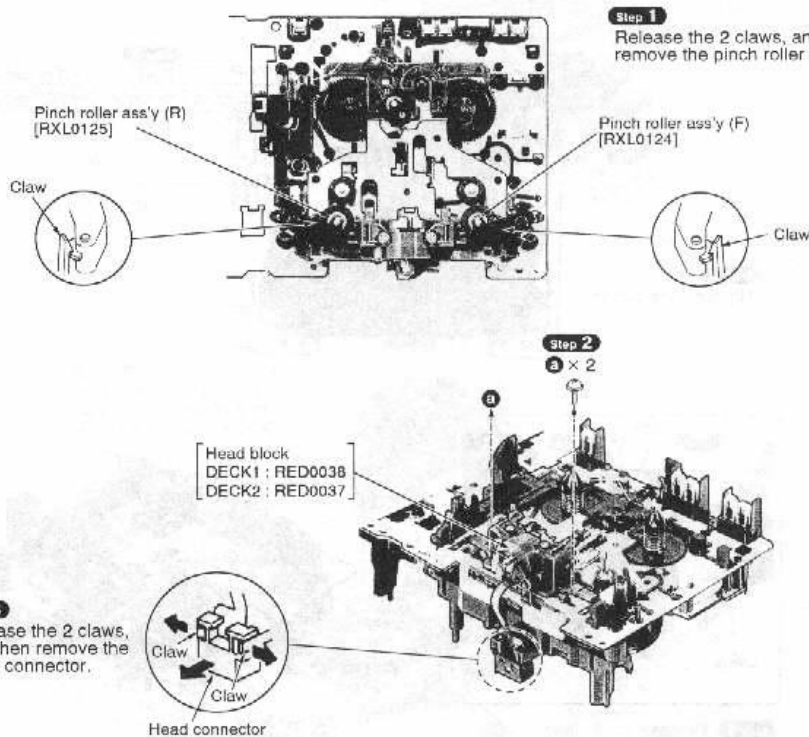
Notice for installing the plunger ass'y
 • The shaft of plunger ass'y should be aligned with the slot of lever.

**5. Replacement for the head block and pinch roller ass'y**

- Follow the **Step 1** ~ **Step 5** of the item 1 in checking procedure for each P.C.B. on pages 3 and 4.
- Follow the **Step 1** ~ **Step 4** of the item 2 in checking procedure for each P.C.B. on page 5.
- Follow the **Step 1** ~ **Step 3** of the item 3 in main component replacement procedures on page 8.

NOTE

The illustration below shows DECK2 mechanism. For DECK1 mechanism, perform the same procedure as DECK2.



■ To Supply Power Source

This unit RS-EH600 is designed to operate on power supplied from the system connected. (For system connection, refer to Fig.1)

When you have to test and service the unit RS-EH600 alone, use the following method to supply power source and operate the unit:

1. Short between J101 and J115. **A** (Fig.2)
2. Short J12, J14 and J114 with each other. **B** (Fig.2)
3. Connect an AF Oscillator to CN601 (10-pin) and **B**, then adjust the output to 100Hz, 5Vrms. (Fig.3)
4. Connect a DC Power Supply to **A** and **B**, then adjust the output to 10V. (Fig.4)

Note : When operated alone, this unit automatically enter the TEST mode, causing either the DECK 1 or DECK 2 indicators to blink.

In TEST mode, please make sure whether the Dolby B indication is on or off by the illumination of DECK 1 cassette holder is lighted on or off.

(DECK 1 illumination lighted on: Dolby ON, illumination Lighted off: Dolby OFF)

■ To Check Signals

Connect an Oscilloscope or a built-in amplifier speaker between line output for L-ch (**TP608**) and **A.GND**, and line out for R-ch (**TP607**) and **A.GND** and check if the signals are outputting from this unit.

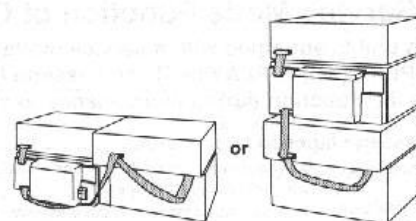


Fig. 1

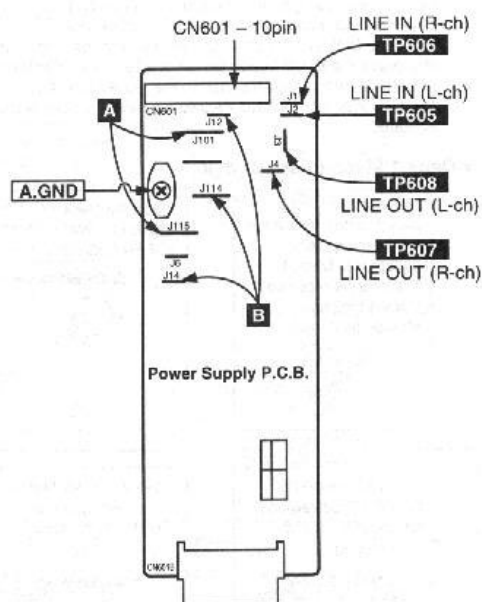


Fig. 2

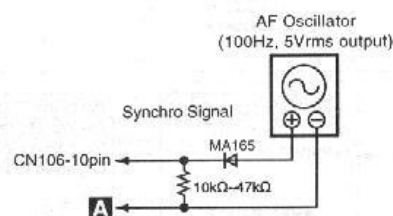


Fig. 3

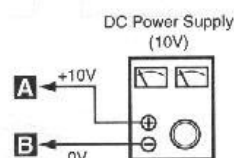


Fig. 4

■ Service Mode Function of Cassette Mechanism

This unit is equipped with a service mode function of cassette mechanism using the LED indicators [R. PLAY (◀), F. PLAY (▶)] and cassette holder illuminations [DECK 1, DECK 2].

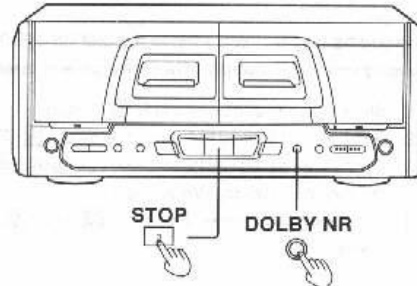
Use this function during maintenance to check faults of the items below.

• Cassette tapes to be prepared

- Metal tape: Recorded music tape with only one erase-prevention tab intact (use middle portion of tape).
 Normal tape: Recorded music tape with both erase-prevention tabs intact (use middle portion of tape).
 CrO2 tape: Recorded music tape with both erase-prevention tabs intact (use middle portion of tape).

• Selecting Service Mode

1. Turn on the power to the unit. (If RS-EH600 unit is removed from system, turn it on according to the procedure on page 13.)
2. Check that no tape is inserted in the cassette deck.
 Press the DOLBY NR button for about 2 seconds, and keep pressing it, also press the STOP button for about 2 seconds. (Service mode cannot be selected with a tape inserted in the cassette deck.)
3. The LED indicator for REC PAUSE flashes, the service mode has been activated.



• Deck 1 Mechanism Check

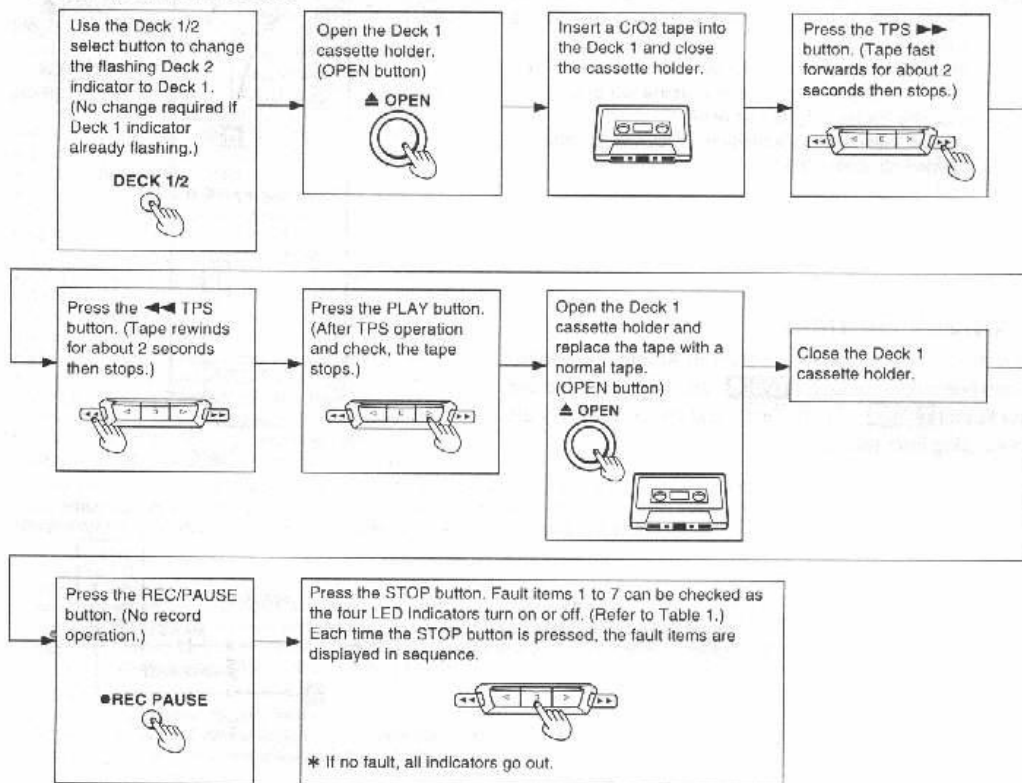


Table 1: Service Mode Diagnostic Items

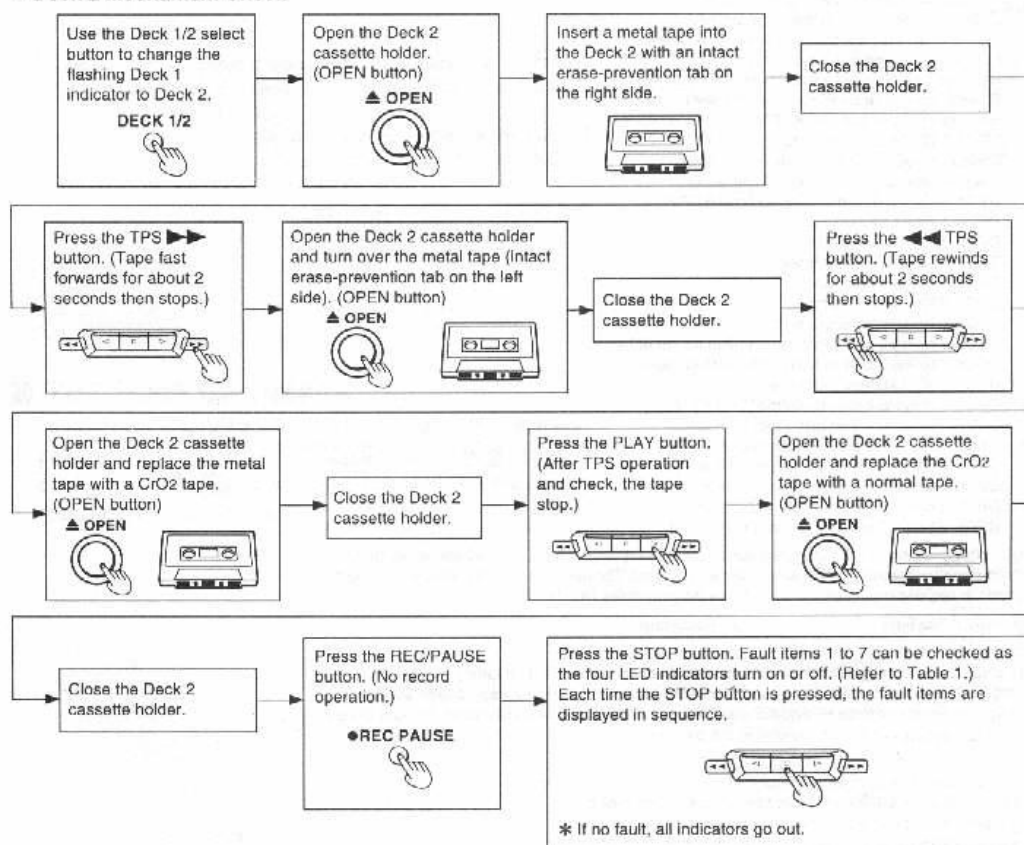
No.	LED Indicator and illumination status (on/off)				Fault location
	◀	DECK 1	DECK 2	▶	
1	—	—	●	—	MODE detect switch
2	—	●	—	—	REC prevention switch
3	—	●	●	—	Half detect switch
4	—	●	—	●	CrO ₂ tape detect switch
5	—	●	●	●	Metal tape detect switch
6	●	—	—	—	Reel pulse detect system (Hall IC, etc.)
7	●	—	●	—	TPS operation

Notes:

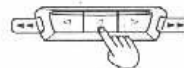
"●": ON

"—": OFF

* If no fault, all indicators go out.

• Deck 2 Mechanism Check**• Exiting Self-Check Mode**

1. Press the STOP button for more than 6 seconds. (Diagnostic contents stored in memory for both Deck 1 and 2 are erased.)
2. Remove the cassette tape from the cassette holder.
3. Turn off the unit.



■ Schematic Diagram

	Page
A MAIN CIRCUIT	17~20
B MECHANISM CIRCUIT (DECK 1)	19
C MECHANISM CIRCUIT (DECK 2)	19
D POWER SUPPLY CIRCUIT	20
E OPERATION CIRCUIT	21

• This schematic diagram may be modified at any time with the development of new technology.

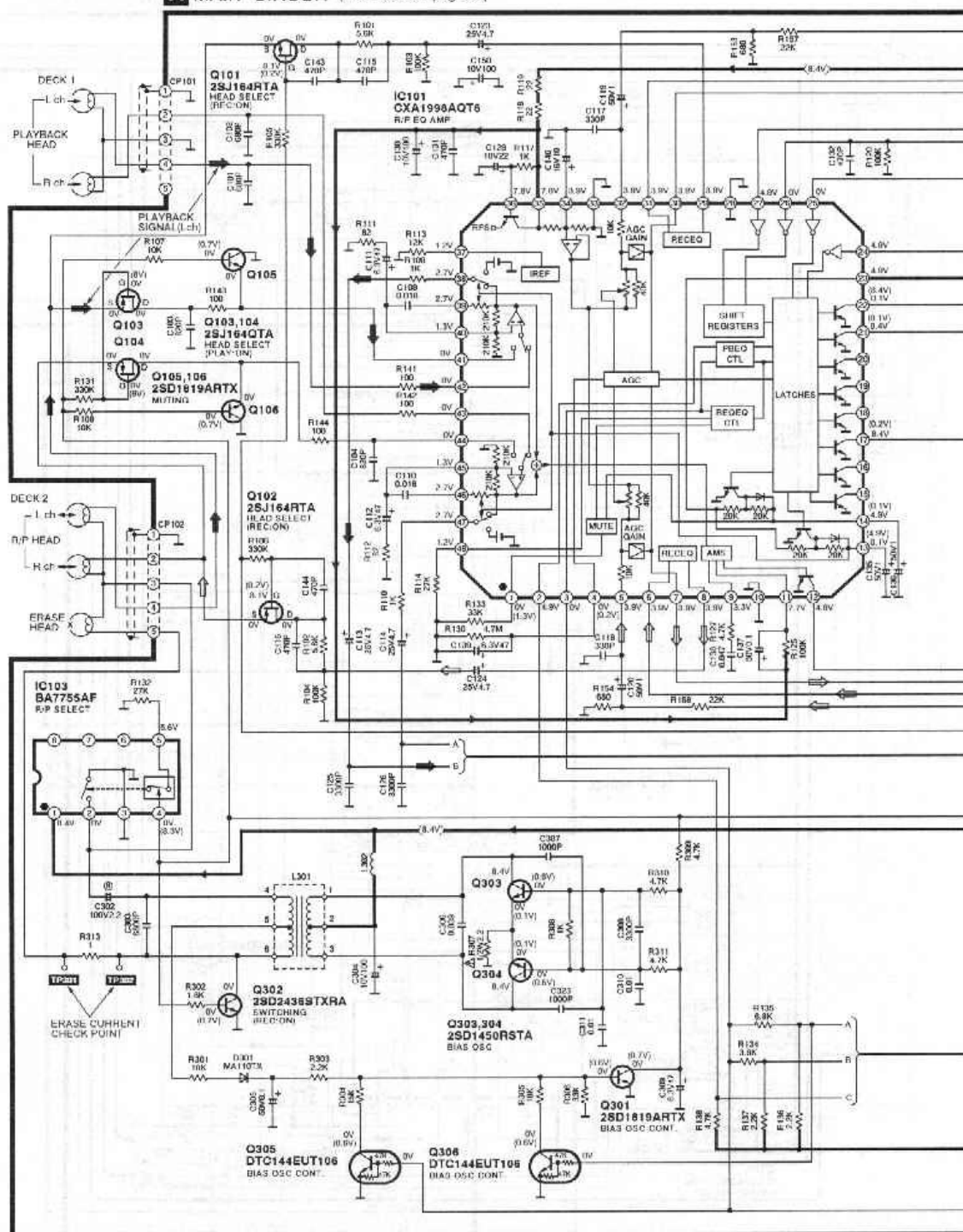
Notes:

- S900 : Stop switch (■)
 - S901 : DECK 2 cassette holder open switch (▲OPEN)
 - S902 : One-touch tape edit switch (TAPE EDIT/HIGH)
 - S903 : One-touch tape edit switch (TAPE EDIT/NOR)
 - S904 : Record pause switch (●REC PAUSE)
 - S905 : Dolby noise reduction switch (DOLBY NR)
 - S906 : Fast forward/tape program sensor switch (▶▶)
 - S907 : Forward side playback switch (▶)
 - S909 : Reverse side playback switch (◀)
 - S910 : Rewind/tape program sensor switch (◀◀)
 - S911 : Reverse mode select switch (REV MODE)
 - S912 : DECK 1/DECK 2 select switch (DECK 1/2)
 - S913 : Counter display switch (COUNTER DISPLAY)
 - S914 : Counter reset switch (COUNTER RESET)
 - S915 : DECK 1 cassette holder open switch (▲OPEN)
 - S951 : DECK 1 mode detect switch
 - S952 : DECK 1 half detect switch
 - S953 : DECK 1 CrO₂ tape detect switch
 - S971 : DECK 2 mode detect switch
 - S972 : DECK 2 half detect switch
 - S973 : DECK 2 CrO₂ tape detect switch
 - S974 : DECK 2 reverse side record prevention tab detect switch
 - S975 : DECK 2 forward side record prevention tab detect switch
 - S976 : DECK 2 METAL tape detect switch
 - VR101 : DECK 1 Playback gain adjustment VR (R-ch)
 - VR102 : DECK 2 Playback gain adjustment VR (L-ch)
 - VR103 : DECK 2 Playback gain adjustment VR (R-ch)
 - VR104 : DECK 1 Playback gain adjustment VR (L-ch)
 - VR801 : DECK 1 tape speed adjustment VR (normal)
 - VR802 : DECK 2 tape speed adjustment VR (high)
 - VR803 : DECK 2 tape speed adjustment VR (normal)
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- No mark : Playback () : Recording
- Important safety notice:
Components identified by ▲ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- Caution!
IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
Cover the parts boxes made of plastics with aluminum foil.
Ground the soldering iron.
Put a conductive mat on the work table.
Do not touch the legs of IC or LSI with the fingers directly.

• Voltage and signal line

 : Positive voltage line
  : Playback signal Line
  : Recording signal Line

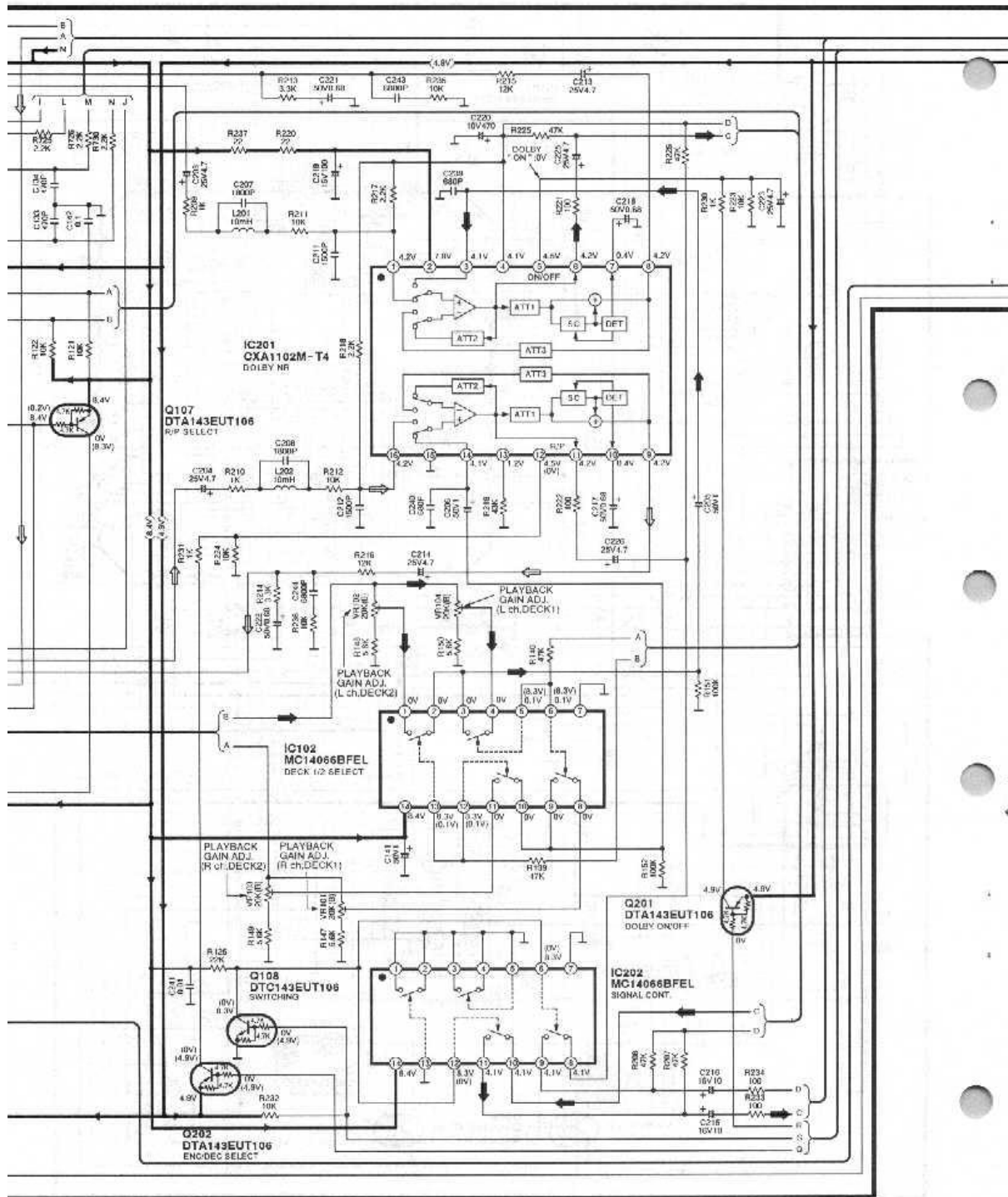
A MAIN CIRCUIT (P.C.Board on page 22)



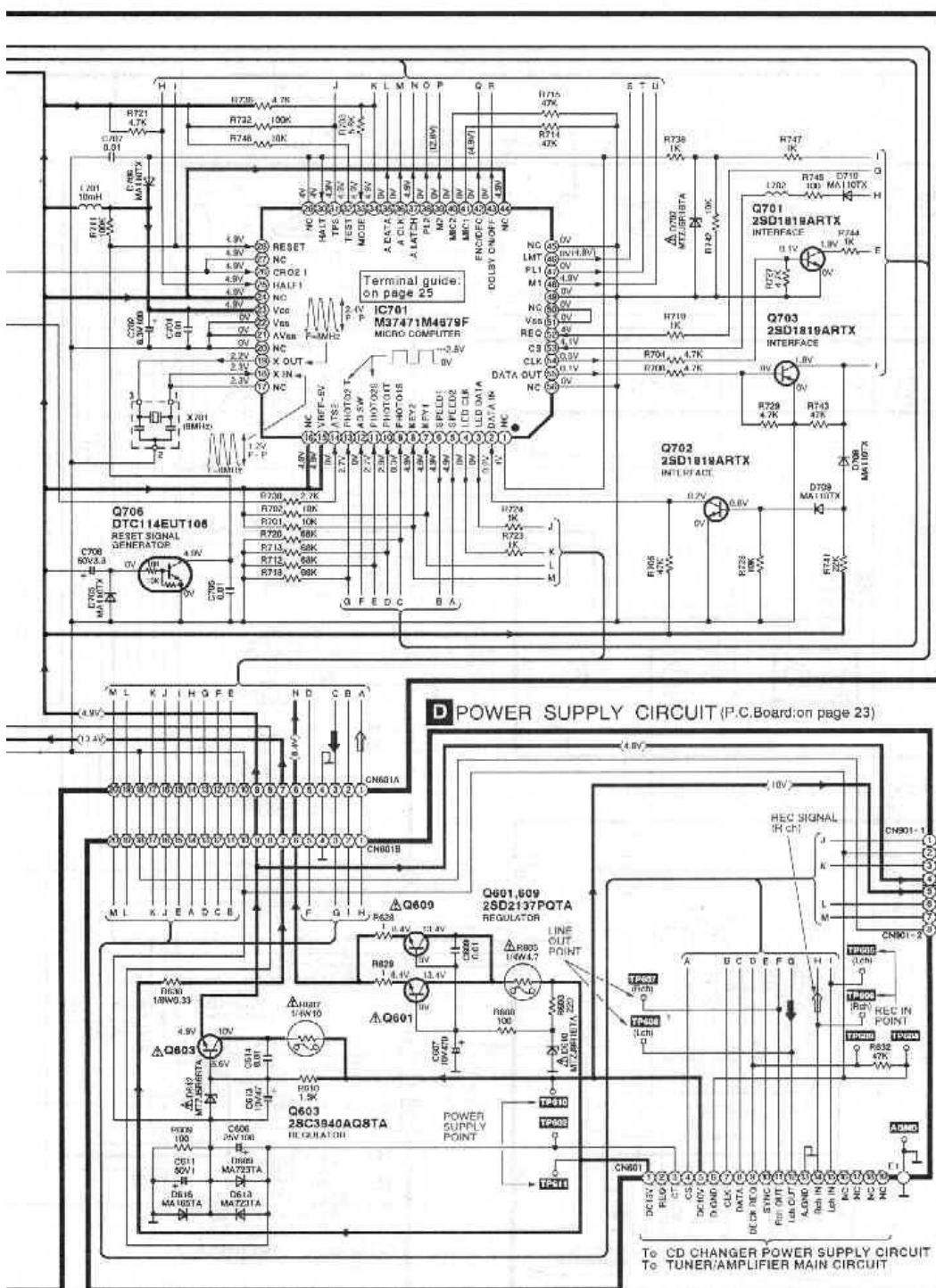
 : Positive voltage line

➡ : Playback signal Line

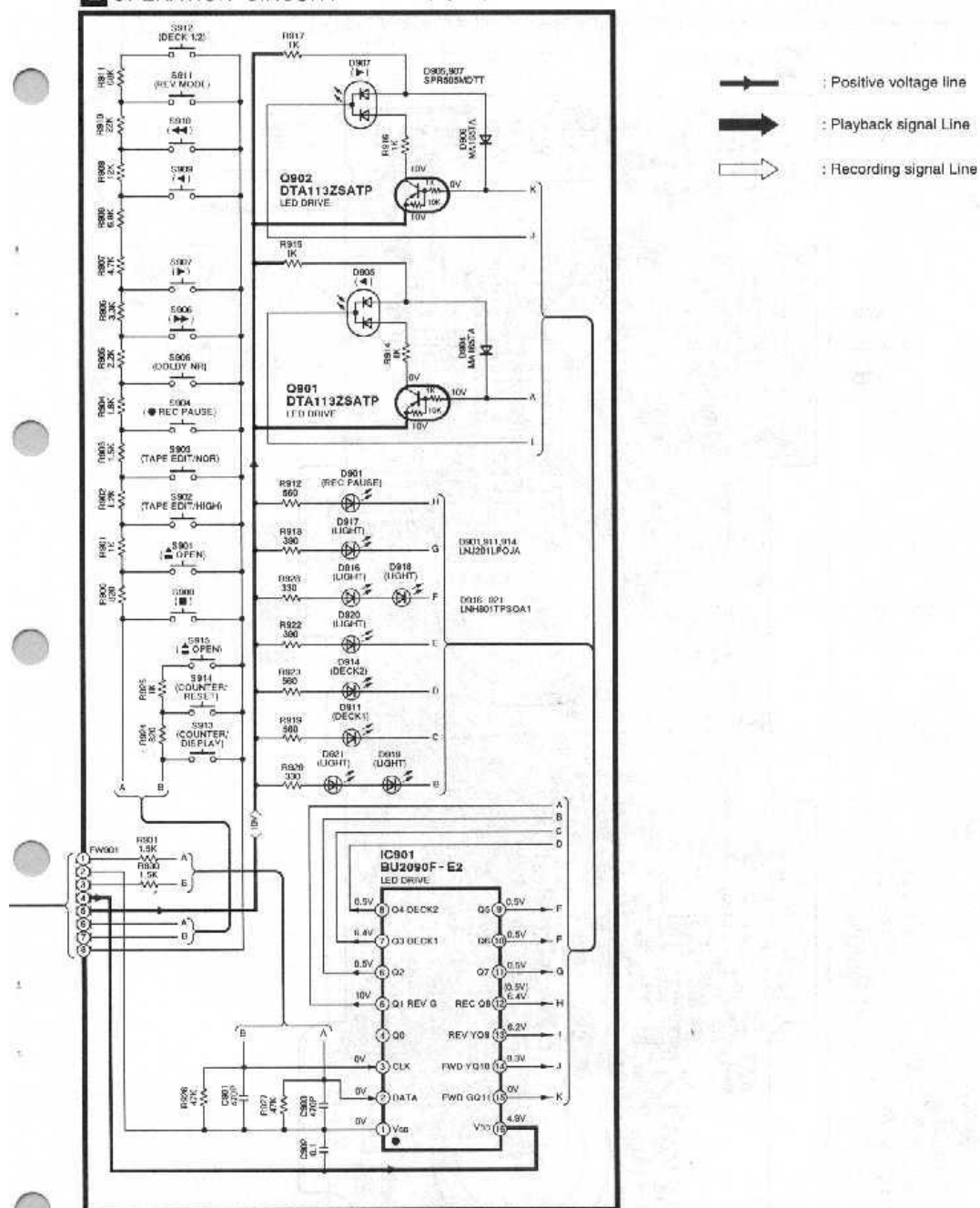
⇒ : Recording signal Line







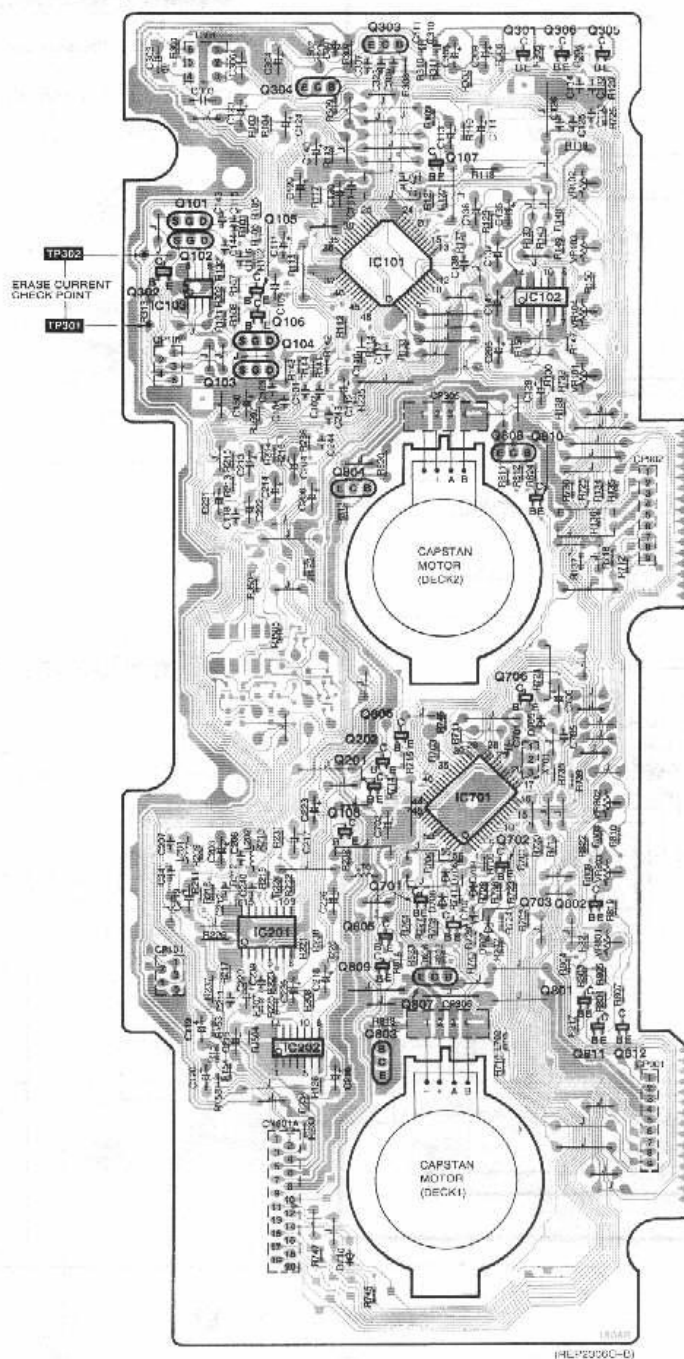
E OPERATION CIRCUIT(P.C.Board: on page 23)

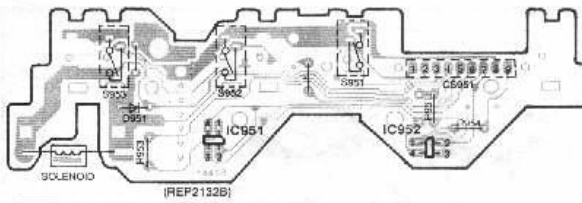
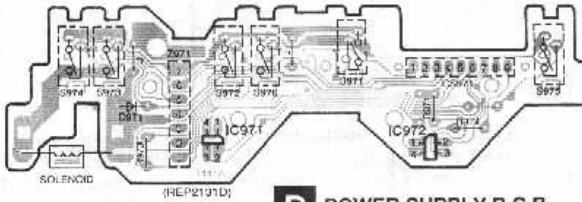
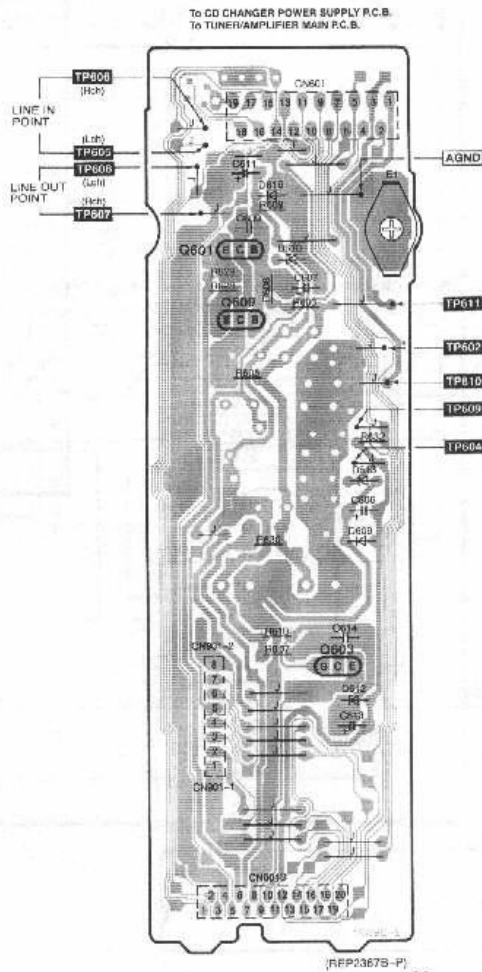
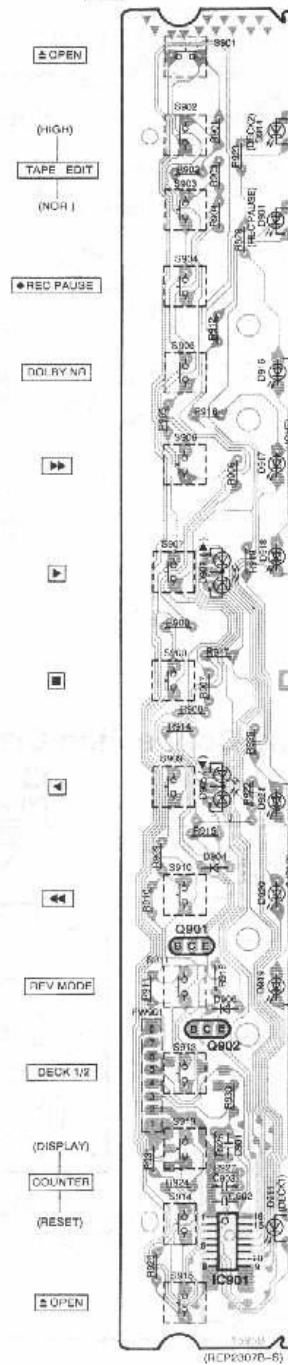


■ Printed Circuit Board Diagram

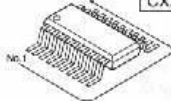
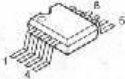
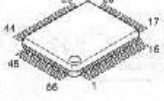
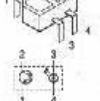
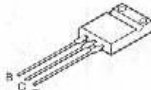
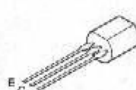
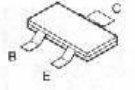
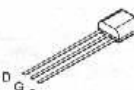
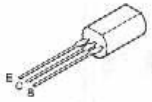
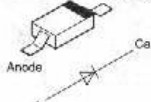
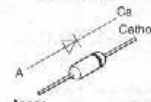
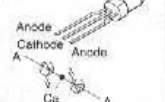
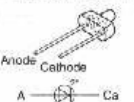
- This circuit board diagram may be modified at any time with the development of new technology.

A MAIN P.C.B.

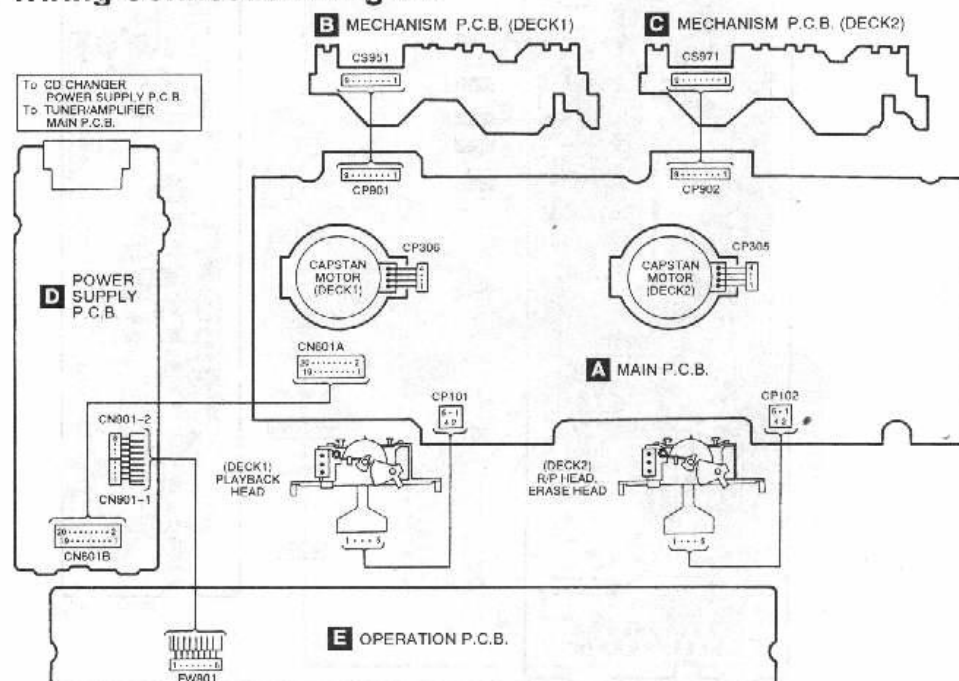


B MECHANISM P.C.B. (DECK1)**C** MECHANISM P.C.B. (DECK2)**D** POWER SUPPLY P.C.B.**E** OPERATION P.C.B.

■ Type Illustration of IC's, Transistors and Diodes

 MC14066BFEL 14PIN BU2090F-E2 16PIN CXA1102M-T4 16PIN	 BA7755AF	 M37471M4679F	 CXA1998AQT6	 ON2180RLC	
 2SD1450RSTA DTA113ZSATP	 2SD2137PQTA	 2SD592ASTA 2SB621ARSTA	 2SB1218ARTX 2SD1819ARTX 2SD2436STXRA DTA143EUT106 DTC114EUT106 DTC143EUT106 DTC144EUT106	 2SJ164QTA 2SJ164RTA	
 2SC3940AQSTA	 MA110TX	 MTZJ5R1BTA MTZJ5R6BTA MTZJ9R1BTA	 MA165TA MA723TA	 SPR505MDTT	 LNJ201LPQJA LNH801TPS0A1

■ Wiring Connection Diagram



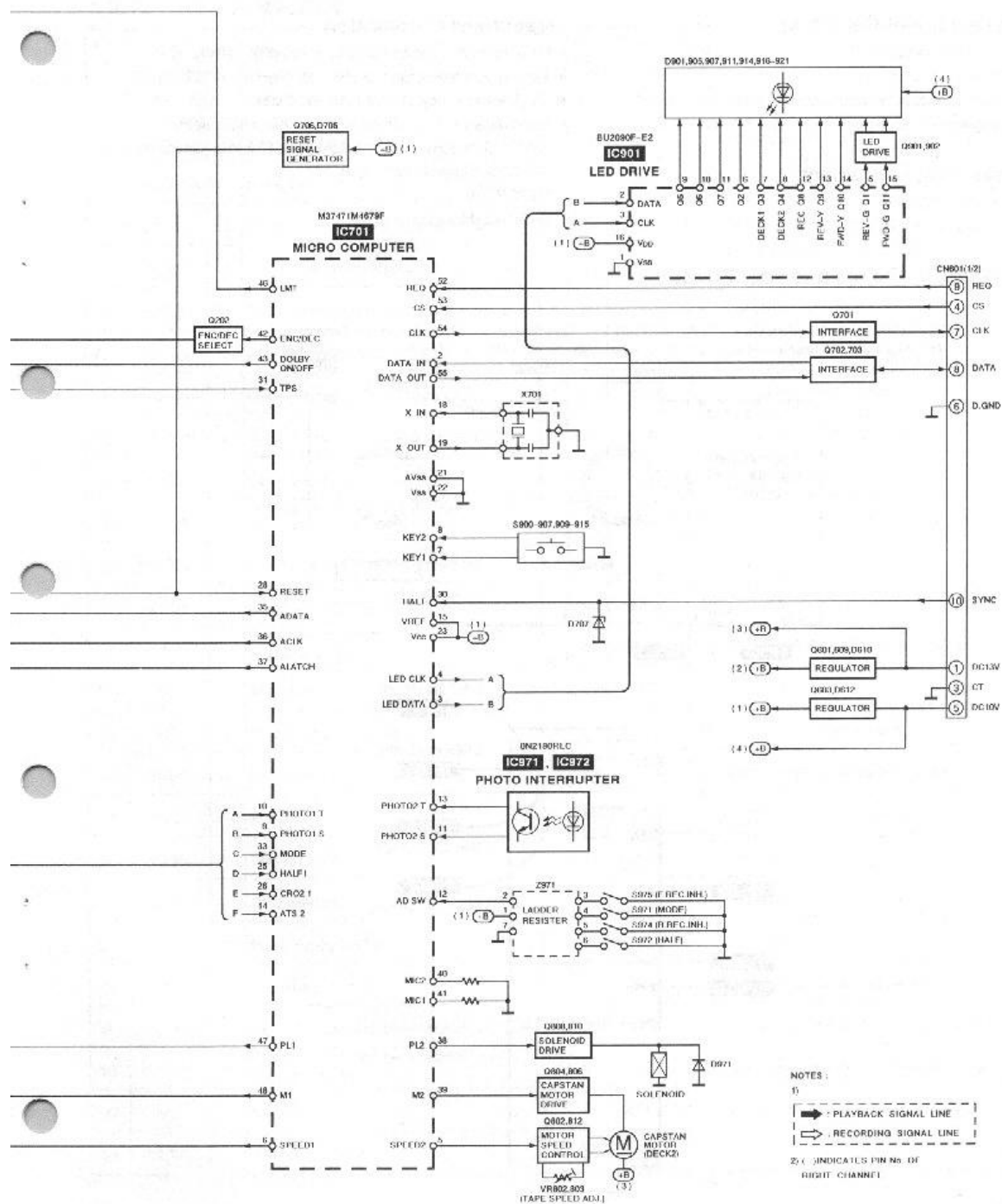
■ Terminal Function of IC's

● IC701 (M37471M4679F)

Pin No.	Terminal Name	I/O	Function
1	NC	—	Not used
2	DATA IN	I	Serial data input
3	LED DATA	O	Serial data signal output for LED drive IC
4	LED CLK	O	Serial clock signal output for LED drive IC
5	SPEED2	O	DECK 2 motor speed control signal output
6	SPEED1	O	DECK 1 motor speed control signal output
7, 8	KEY1, 2	I	Operation switch signal input
9	PHOTO1S	I	DECK 1 supply side reel pulse input
10	PHOTO1T	I	DECK 1 take-up side reel pulse input
11	PHOTO2S	I	DECK 2 supply side reel pulse input
12	AD SW	I	DECK 2 mechanism switch signal input (Half, Mode, F. REC INH., R. REC INH.)
13	PHOTO2T	I	DECK 2 take-up side reel pulse input
14	ATS2	I	DECK 2 mechanism switch signal input (NORMAL/CrO ₂ /METAL)
15	VREF	—	Reference voltage input terminal for A/D converter (+5 V)
16, 17	NC	—	Not used
18	XIN	I	Clock signal input (8 MHz)
19	XOUT	O	Clock signal output (8 MHz)
20	NC	—	Not used
21	AVSS	—	Connect to GND
22	VSS	—	GND terminal
23	VCC	—	Power supply (+5 V)
24	NC	—	Not used
25	HALF1	I	DECK 1 mechanism switch signal input (Half)
26	CRO21	I	DECK 1 mechanism switch signal input (NORMAL/CrO ₂)
27	NC	—	Not used
28	RESET	I	Reset signal input

Pin No.	Terminal Name	I/O	Function
29	NC	I	Not used
30	HALT	I	AC power source detect signal input
31	TPS	I	TPS signal input
32	TEST	I	Test mode select signal input
33	MODE	I	DECK 1 mechanism switch signal input (Mode)
34	—	—	Not used
35	ADATA	O	Serial data signal output for IC101
36	ACLK	O	Serial clock signal output for IC101
37	ALATCH	O	Serial latch signal output for IC101
38	PL2	O	DECK 2 solenoid drive signal output
39	M2	O	DECK 2 motor drive signal output
40, 41	MIC2, 1	O	Not used
42	ENC/DEC	O	DOLBY NR record/play mode select signal output
43	DOLBY ON/OFF	O	DOLBY NR ON/OFF control signal output
44, 45	NC	—	Not used
46	LMT	O	Muting control signal output
47	PL1	O	DECK 1 solenoid drive signal output
48	M1	O	DECK 1 motor drive signal output
49	—	—	Not used
50	NC	—	Not used
51	VSS	—	GND terminal
52	REQ	I	Serial communication request signal input
53	CS	I	Serial communication complete signal input
54	CLK	O	Serial communication clock signal output
55	DATA OUT	O	Serial communication data signal output
56	NC	—	Not used





■ Measurements and Adjustments

Measurement Condition

- Dolby NR switch: OFF
- Make sure heads are clean.
- Make sure capstan and pressure roller are clean.
- Judgeable room temperature: $20 \pm 5^{\circ}\text{C}$ ($68 \pm 9^{\circ}\text{F}$)

Measuring instrument

- DC Power Supply
- AF Oscillator

Measurement Condition

- Head azimuth adjustment (8 kHz, -20 dB): QZZCFM
- Tape speed adjustment (3 kHz, -10 dB): QZZCWAT
- Playback gain adjustment (315 Hz, 0 dB): QZZCFM
- Recording/playback frequency response adjustment:
QZZCFM (315 Hz/0 dB, 315Hz/-20dB, 12.5 kHz-63 Hz/-20 dB)
QZZCRA (Normal blank tape)
QZZCRX (CrO2 blank tape)
QZZCRZ (Metal blank tape)

Adjustment Points and Test Points

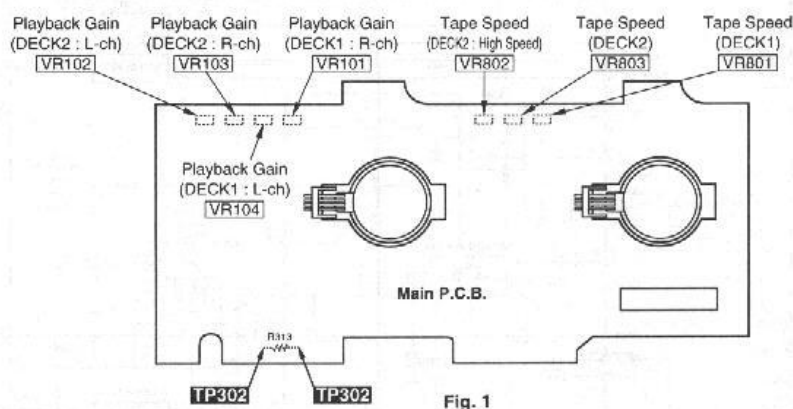
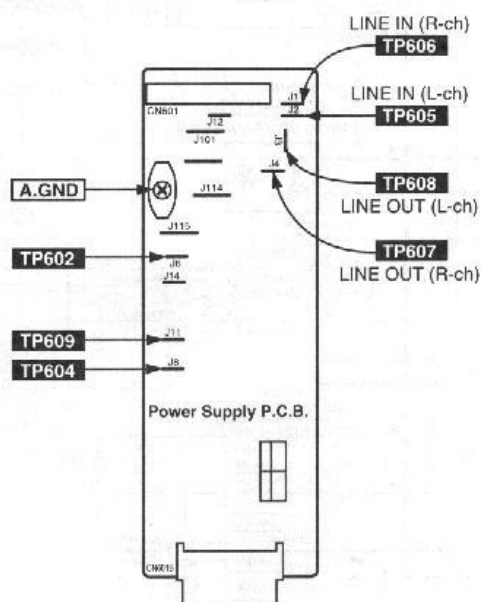


Fig. 1



HEAD AZIMUTH ADJUSTMENT (DECK 1/2)

1. Connect the measuring instrument as shown in Fig. 3.
2. Replace azimuth screws for both forward and reverse direction after removing the screw-locking bond left on the head base.
Fine adjustment of azimuth can not be performed with remaining the bond on the head base.
(Supply part No. of azimuth adjusting screw: RHD17015)
3. Playback the azimuth adjustment portion (8 kHz, -20 dB) of test tape (QZZCFM). Adjust the azimuth adjusting screw until the outputs of the L/R-ch are maximized. (Refer to Fig. 4.)
Make sure that the difference in the peak level between the left and right channels does not exceed 0.5 dB.
4. Perform the same adjustment in reverse playback mode.

Check of the level difference forward and reverse directions

5. Playback the playback gain adjustment portion (315 Hz, 0 dB) of test tape (QZZCFM). Check if level difference between forward and reverse direction is within 1.5 dB.
6. After the adjustment, apply screwlock to the azimuth adjusting screw.



Fig. 3

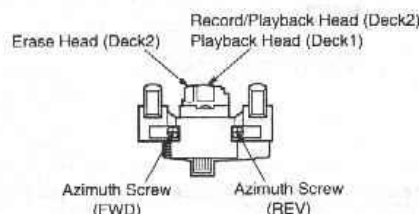


Fig. 4

TAPE SPEED ADJUSTMENT (DECK 1/2)

Note: When connecting the unit to other system components for testing, short the section between the test points TP609 and TP604 and turn on the entire system. (The unit is set to the TEST mode, and either the DECK1 or DECK2 indicators will blink.)

Normal speed (Standard value: 3000 ± 45 Hz)

1. Playback the middle portion of the test tape (QZZCWAT).
2. Adjust Deck 1 = VR801 and Deck 2 = VR803 for the output value shown below. (Refer to Fig. 1)

Adjustment target: 3000 ± 15 Hz (NORMAL speed)

Standard value: 3000 ± 45 Hz (NORMAL speed)

High speed [Set the unit to forward (FWD) mode.]

3. Playback the middle portion of the test tape (QZZCWAT).
4. Press the one touch tape edit (I-high) button.
This will set the high speed mode.
5. At that time, check if the output from DECK 1 is within the standard value.

Standard value: 5000 ± 600 Hz (HIGH speed)

6. Adjust VR802 so that the output frequency of DECK 2 is within ± 30 Hz for the value of the output frequency of DECK 1. (Refer to Fig. 1)

Note: When connecting the unit to other system components, disconnect the short between the test points TP609 and TP604.

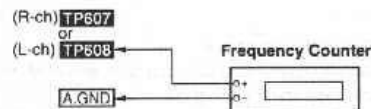


Fig. 5

PLAYBACK GAIN ADJUSTMENT (DECK1/2)

1. Find the start of the 315 Hz/0 dB section of the test tape (QZZCFM), insert the tape into Deck1 and 2, and play it back (FWD)
3. Adjust Deck 2 : VR102 (L-ch) [VR103 (R-ch)] and Deck 1 : VR104 (L-ch) [VR101 (R-ch)] so that the output is within the standard value. (Refer to Fig. 1)

Standard value : 280 mV ± 15 mV

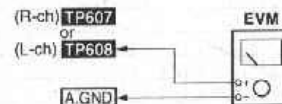


Fig. 6

ERASE CURRENT CONFIRMATION (DECK2)

1. Insert the blank tape into Deck2, and press the REC PAUSE button.
3. Check if the output at this time between the erase current confirmation point TP301 and TP302 (the output on both edges of R313) is within the standard value. (Refer to Fig. 7.)

Standard value	EVM reading
Normal tape : 85 ± 25 mA	(85 ± 25 mV)
CrO2 tape : 150 ± 25 mA	(150 ± 25 mV)
Metal tape : 185 ± 25 mA	(185 ± 25 mV)

Note: The test tape is not required when confirming the erase current.

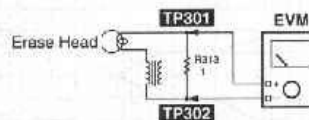


Fig. 7

Playback frequency response check (DECK 1/2)

Playback the 315 Hz/-20 dB and 12.5 kHz to 63 Hz/-20 dB sections of the test tape (QZZCFM) and then, using the 315 Hz/-20 dB playback output as a reference (0 dB), confirm that the playback frequency response is within the range shown in Fig. 9.

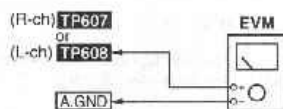


Fig. 8

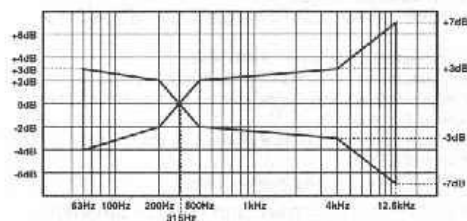


Fig. 9

Recording/playback frequency response and gain check (DECK 2)**Normal tape check**

1. Insert a Normal-type blank tape (QZZCRA) into Deck 2.
2. Record signals at 50 Hz, 100 Hz, 200 Hz, 500 Hz, 1 kHz, 2 kHz, 10 kHz and 12.5 kHz (28 mV).
3. Set the playback frequency of the recorded signals at 1 kHz as the reference response (0 dB).
4. Playback the recorded signals to confirm that the output is within the range of the overall frequency response shown in Fig. 11.

CrO₂/Metal tape check

5. Repeat steps 2 to 4 for each tape and confirm that the output for each is within the range of the overall frequency response shown in Fig. 12.

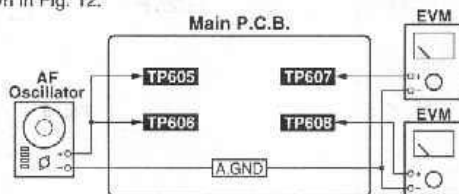


Fig. 10

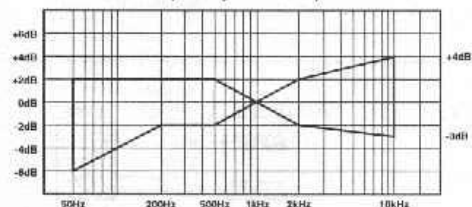
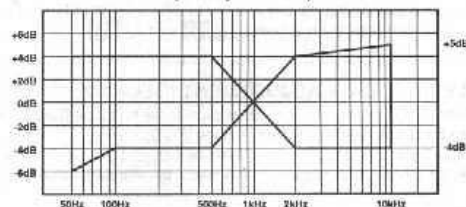
Normal Tape Overall frequency response chart (Dolby NR OFF)**(Dolby NR ON)**

Fig. 11

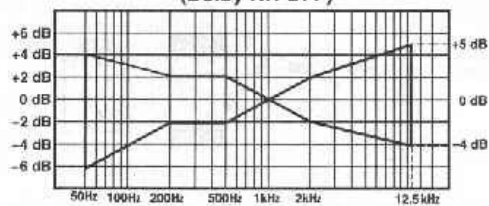
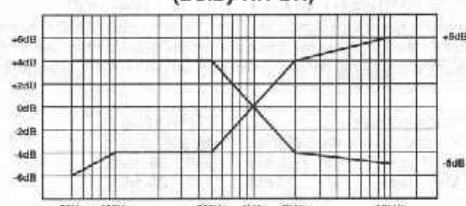
CrO₂ and Metal Tape Overall frequency response chart (Dolby NR OFF)**(Dolby NR ON)**

Fig. 12

■ Replacement Parts List

Notes: *Important safety notes:

Components identified by Δ, mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacturer's specified parts shown in this parts list.

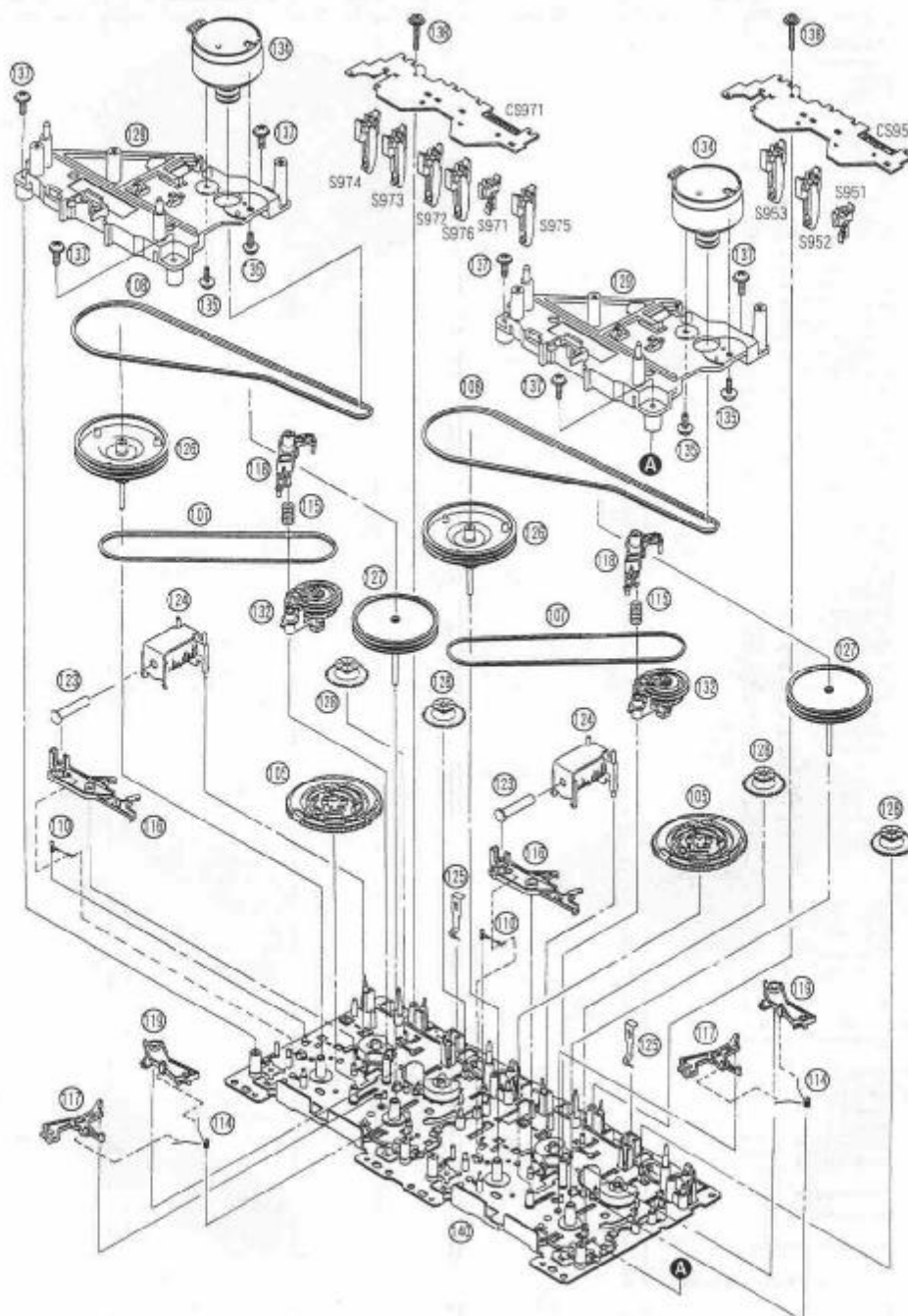
*All parts are supplied by MESA.

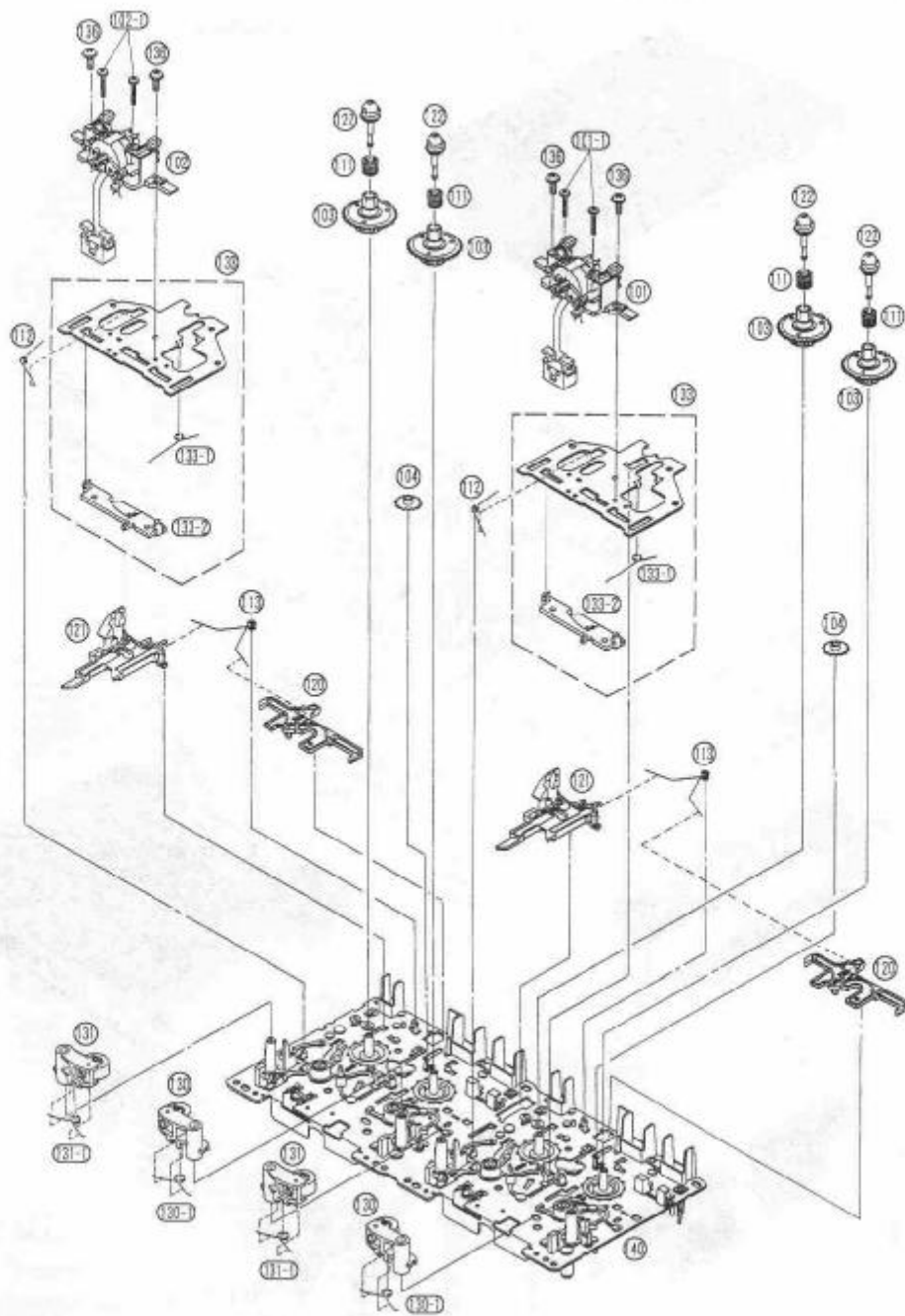
Ref. No.	Part No.	Part Name & Description	Qty	Remarks	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
1	RM0290-16	CAB. NET	1	(O)	135	RM0290-22	SCREW	2	
1	RM0290-16	CAB. NET	1	(O)	136	XT02+SL	SCREW	4	
5	RH03007-W	SCREW	4		137	XT02+155	SCREW	8	
2	XT033+10JF2	SCREW	1		138	XYC2+JF17	SCREW	2	
4	RD0051	WIRE ASS'Y	1		140	RPJ30H7780K	MAIN CHASSIS ASS'Y	1	
5	XT033+16JF2	SCREW	1						
6	RM0432	HOLDER	1		C181.02	EDU1H0810BN	50V 800P	2	
7	REZ086	WIRE ASS'Y (8P)	1		C183.04	EDU1H0810BN	50V 820P	2	
8	RM1000-Q	USD HOLDER	2		C189.10	EG01H183JF3	50V 0.010U	2	
9	RPK05H000H	FRONT PANEL ASS'Y	1	(O)	C111.12	ECEA0JKA4705	6.3V 47U	2	
9	RPK05H000K	FRONT PANEL ASS'Y	1	(O)	C113.14	ECEA1EKA4705	25V 4.7U	2	
10	RPK05H000B	CASSETTE HOLDER (DECK1)	1		C115.16	EDU1H4710BN	50V 470P	2	
10-1	RJ0375ZA	SPR NG	2		C117.18	EDU1H3310BN	50V 330P	2	
10-2	RD0129-1	GEAR	2		C119.20	ECEA1HKA0100	50V 1U	2	
11	RPK05H000B	CASSETTE HOLDER (DECK2)	1		C123.24	ECEA1EKA4705	25V 4.7U	2	
11-1	RJ0375ZA	SPR NG	2		C125.26	EDU1H3310BN	50V 330P	2	
11-2	RD00129-1	GEAR	2		C129	ECEA1KA2200	10V 22U	1	
12	SH0154	RUBBER	2		C130	KCE1KA1010C	10V 100U	1	
13	RM0092-A	PANEL/INIC RASOP	1		C131-34	EDU1H4710BN	50V 470P	4	
14	XT033+10JF2	SCREW	5		C135.36	ECEA1HKA0100	50V 1U	2	
15	RGL0409-Q	LENS1	1		C137	ECEA1HKA0100	50V 0.1U	1	
16	RGL050-Q	LENS2	1		C138	EDU1E4720BN	25V 0.47U	1	
17	RJ40113	CONNECTOR (CP305/100)	2		C139	ECEA0JKA4705	6.3V 47U	1	
18	RP05007-1K	CASSETTE PANEL (DECK1)	1	(O)	C140	KCE1KA1000C	10V 10U	1	
18	RP05007-H	CASSETTE PANEL (DECK2)	1	(O)	C141	ECEA1HKA0100	50V 1U	1	
19	RM0450A-Q	WINDOW 1	1		C142	EDU1E10470BN	25V 0.1U	1	
20	RM0450A-Q	WINDOW 2	1		C143.44	EDU1H4710BN	50V 470P	2	
21	RM0474	SPRING	1		C150	KCE1KA1010C	10V 100U	1	
22	RM0577A-2	FRAME	1		C203.04	ECEA1EKA4705	25V 4.7U	2	
23	RM0595-X	P.C.B. SUPPORT	1		C205.06	ECEA1HKA0100	50V 1U	2	
24	RSC0453	SHIELD PLATE 1	1		C207.08	EDU1H1020BN	50V 1000P	2	
25	RSC0454	SHIELD PLATE 2	1		C211.12	EDU1H1520BN	50V 1500P	2	
26	XT033+0J	SCREW	2		C213.14	ECEA1EKA4705	25V 4.7U	2	
27	RP05006A-H	CASSETTE PANEL (DECK1)	1	(O)	C215.16	KCE1KA1000C	10V 10U	2	
27	RP05006A-1K	CASSETTE PANEL (DECK1)	1	(O)	C217.18	ECEA1HKA0000	50V 0.00U	2	
					C219	ECEA1KA1010	10V 100U	1	
					C220	KCE1KA04710C	10V 470U	1	
101	RD0017	HEAD BLOCK (R/P)	1		C227.22	ECEA1HKA0000	50V 0.00U	2	
101-1	RH017015	SCREW	1		C222	ECEA1EKA4705	25V 4.7U	1	
102	RD0018	HEAD BLOCK (P. H)	1		C225.25	ECEA1EKA4705	25V 4.7U	2	
102-1	RH017015	SCREW	1		C238.40	EDU1H0810BN	50V 800P	2	
103	RD0000	HEEL TABLE ASS'Y	4		C241	EDU1H1020BN	50V 0.01U	1	
104	RD00301	GEAR	1		C243.44	EDU1H0820BN	50V 800P	2	
105	RD00306	GEAR	2		C302	ECEA2AM0100	100V 2.2U	1	
107	RD00333-1	BELT 1	2		C303	ECQ2E002J2T	250V 5000P	1	
108	RD00334	BELT 2	2		C304	KCE1KA1010C	10V 100U	1	
110	RJW1472A	SPRING	1		C305	ECEA1HKA0100	50V 0.1U	1	
111	RM00400	SPRING	4		C306	EDU1H0831F3	50V 0.030U	1	
112	RM00403	SPRING	2		C307	EDU1H1020BN	50V 1000P	1	
113	RM00404	SPRING	2		C308	EDU1H1020BN	50V 3000P	1	
114	RM00406	SPRING	2		C309	ECEA0JKA4705	6.3V 47U	1	
115	RM00408	SPRING	1		C310.11	EDU1H1020BN	50V 0.01U	2	
116	RNL0010	LEVER	1		C323	EDU1H1020BN	50V 1000P	1	
117	RNL0071	LEVER	2		C306	ECEA1HKA0100	25V 100U	1	
118	RNL0072	LEVER	2		C307	ECEA1HKA0100	10V 470U	1	
119	RNL0074	LEVER	2		C309	ECEA1E1002FS	25V 0.01U	1	
120	RM00131	ROD	3		C611	ECEA1HKA0100	50V 1U	1	
121	RM00133	ROD	2		C613	KCE1KA04710C	10V 470U	1	
122	RM00519	REEL CAP	4		C614	ECEA1E1002FS	25V 0.01U	1	
123	RM00396-1	SHAFT	2		C701	EDU1H1030BN	50V 0.01U	1	
124	RJ03003	PLUNGER ASS'Y	1		C702	ECEA0JKA1010	6.3V 100U	1	
125	RJ0302C	SPRING	2		C705	EDU1E1002FS	25V 0.01U	1	
126	RJ03049	FLYWHEEL ASS'Y	1		C706	KCE1HKA3R30C	50V 3.3U	1	
127	RJ03050	FLYWHEEL ASS'Y	2		C707	EDU1E1002FS	25V 0.01U	1	
128	RJ03040	GEAR	4		C801	ECEA1H4710BN	50V 470P	1	
129	RM00283	SUB CHASSIS	1		C802	ECEA1H1040PS	50V 0.1U	1	
130	RXL0174	PINCH ROLLER ASS'Y	2		C803	ECEA1H4710BN	50V 470P	1	
130-1	RM00401	SPRING	1						
131	RXL0175	PINCH ROLLER ASS'Y	1		C801	RJ02A5519-1	CONNECTOR (10P)	1	
131-1	RM00402	SPRING	1		C801a	RJ0277N70	CONNECTOR (20P)	1	
132	RXL0176	ARM GEAR	2		C801B	RJ0277N20	CONNECTOR (20P)	1	
133	RJ00412	CHASSIS ASS'Y	2		C801-1	RJ01A6504-1	CONNECTOR (4P)	1	
133-1	RM00405	SPRING	1		C801-2	RJ01A6504-1	CONNECTOR (4P)	1	
133-2	RM00132	ROD	1						
134	RM00055-1	MOTOR ASS'Y	1		CP101.32	RJ01A6505	CONNECTOR (5P)	2	

Ref. No.	Part No.	Part Name & Description	Qty	Remarks	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
C983, 02	RJ10T1H08A	CONNECTOR (SP)	2		R118, 19	ERJ6GEFJ329	1/10W 22	2	
C983, 01	RJ10T1H08B	CONNECTOR (SP)	1		R120	ERJ6GEFJ104V	1/10W 100K	1	
C983, 01	RJ10T1H08B	CONNECTOR (SP)	1		R121, 22	ERJ6GEFJ104V	1/10W 10K	2	
C983, 01	RJ10T1H08B	CONNECTOR (SP)	1		R125	ERJ6GEFJ104V	1/10W 100K	1	
D991	MA116TX	DIODE	1		R126	ERJ6GEFJ212V	1/10W 22K	1	
D992	MA116TX	DIODE	1		R127	ERJ6GEFJ475V	1/10W 4.7K	1	
D993	MA116TX	DIODE	1		R130	ERJ6GEFJ475V	1/10W 4.7K	1	
D994	MA116TX	DIODE	1		R131	ERJ6GEFJ334V	1/10W 330K	1	
D995	MA116TX	DIODE	1		R132	ERJ6GEFJ273V	1/10W 27K	1	
D996	MA116TX	DIODE	1		R133	ERJ6GEFJ223V	1/10W 22K	1	
D997	MA116TX	DIODE	1		R134	ERJ6GEFJ332V	1/10W 3.3K	1	
D998	MA116TX	DIODE	1		R135	ERJ6GEFJ472V	1/10W 4.7K	1	
D999	MA116TX	DIODE	1		R136, 37	ERJ6GEFJ222V	1/10W 2.2K	2	
D1000	MA116TX	DIODE	1		R138	ERJ6GEFJ472V	1/10W 4.7K	1	
D1001	MA116TX	DIODE	1		R139, 40	ERJ6GEFJ473V	1/10W 47K	2	
D1002	MA116TX	DIODE	1		R141	ERJ6GEFJ101V	1/10W 100	1	
D1003	MA116TX	DIODE	1		R142	ERJ6GEFJ101V	1/10W 100	1	
D1004	MA116TX	DIODE	1		R143	ERJ6GEFJ101V	1/10W 100	1	
D1005	MA116TX	DIODE	1		R144	ERJ6GEFJ101V	1/10W 100	1	
D1006	MA116TX	DIODE	1		R147-50	ERJ6GEFJ562V	1/10W 5.6K	4	
D1007	MA116TX	DIODE	1		R151, 52	ERJ6GEFJ104V	1/10W 100K	2	
D1008	MA116TX	DIODE	1		R153, 54	ERJ6GEFJ101V	1/10W 100	2	
D1009	MA116TX	DIODE	1		R157, 58	ERJ6GEFJ223V	1/10W 22K	2	
D1010	MA116TX	DIODE	1		R207, 08	ERJ6GEFJ473V	1/10W 47K	2	
D1011	MA116TX	DIODE	1		R209, 10	ERJ6GEFJ102V	1/10W 1K	2	
D1012	MA116TX	DIODE	1		R211, 12	ERJ6GEFJ103V	1/10W 10K	2	
D1013	MA116TX	DIODE	1		R213, 14	ERJ6GEFJ103V	1/10W 3.3K	2	
D1014	MA116TX	DIODE	1		R215, 16	ERJ6GEFJ103V	1/10W 12K	2	
D1015	MA116TX	DIODE	1		R217, 18	ERJ6GEFJ103V	1/10W 2.2K	2	
D1016	MA116TX	DIODE	1		R219	ERJ6GEFJ473V	1/10W 47K	1	
D1017	MA116TX	DIODE	1		R220	ERJ6GEFJ103V	1/10W 22	1	
D1018	MA116TX	DIODE	1		R221, 22	ERJ6GEFJ101V	1/10W 100	2	
D1019	MA116TX	DIODE	1		R223, 24	ERJ6GEFJ103V	1/10W 10K	2	
D1020	MA116TX	DIODE	1		R225, 26	ERJ6GEFJ473V	1/10W 47K	2	
D1021	MA116TX	DIODE	1		R228, 31	ERJ6GEFJ102V	1/10W 1K	2	
D1022	MA116TX	DIODE	1		R232	ERJ6GEFJ103V	1/10W 10K	1	
D1023	MA116TX	DIODE	1		R233, 34	ERJ6GEFJ101V	1/10W 100	2	
D1024	MA116TX	DIODE	1		R235, 36	ERJ6GEFJ103V	1/10W 10K	2	
D1025	MA116TX	DIODE	1		R237	ERJ6GEFJ103V	1/10W 22	1	
D1026	MA116TX	DIODE	1		R239	ERJ6GEFJ103V	1/10W 10K	1	
D1027	MA116TX	DIODE	1		R240	ERJ6GEFJ103V	1/10W 1.8K	1	
D1028	MA116TX	DIODE	1		R241	ERJ6GEFJ222V	1/10W 2.2K	1	
D1029	MA116TX	DIODE	1		R242	ERJ6GEFJ103V	1/10W 15K	1	
D1030	MA116TX	DIODE	1		R243	ERJ6GEFJ103V	1/10W 18K	1	
D1031	MA116TX	DIODE	1		R244	ERJ6GEFJ103V	1/10W 33K	1	
D1032	MA116TX	DIODE	1		R245	ERJ6GEFJ103V	1/10W 2.2	1	
D1033	MA116TX	DIODE	1		R246	ERJ6GEFJ102V	1/10W 1K	1	
D1034	MA116TX	DIODE	1		R247	ERJ6GEFJ472V	1/10W 4.7K	1	
D1035	MA116TX	DIODE	1		R248	ERJ6GEFJ103V	1/10W 4.7K	1	
D1036	MA116TX	DIODE	1		R249	ERJ6GEFJ103V	1/10W 4.7K	1	
D1037	MA116TX	DIODE	1		R250	ERJ6GEFJ103V	1/10W 4.7K	1	
D1038	MA116TX	DIODE	1		R251	ERJ6GEFJ103V	1/10W 4.7K	1	
D1039	MA116TX	DIODE	1		R252	ERJ6GEFJ103V	1/10W 4.7K	1	
D1040	MA116TX	DIODE	1		R253	ERJ6GEFJ103V	1/10W 4.7K	1	
D1041	MA116TX	DIODE	1		R254	ERJ6GEFJ103V	1/10W 4.7K	1	
D1042	MA116TX	DIODE	1		R255	ERJ6GEFJ103V	1/10W 4.7K	1	
D1043	MA116TX	DIODE	1		R256	ERJ6GEFJ103V	1/10W 4.7K	1	
D1044	MA116TX	DIODE	1		R257	ERJ6GEFJ103V	1/10W 4.7K	1	
D1045	MA116TX	DIODE	1		R258	ERJ6GEFJ103V	1/10W 4.7K	1	
D1046	MA116TX	DIODE	1		R259	ERJ6GEFJ103V	1/10W 4.7K	1	
D1047	MA116TX	DIODE	1		R260	ERJ6GEFJ103V	1/10W 4.7K	1	
D1048	MA116TX	DIODE	1		R261	ERJ6GEFJ103V	1/10W 4.7K	1	
D1049	MA116TX	DIODE	1		R262	ERJ6GEFJ103V	1/10W 4.7K	1	
D1050	MA116TX	DIODE	1		R263	ERJ6GEFJ103V	1/10W 4.7K	1	
D1051	MA116TX	DIODE	1		R264	ERJ6GEFJ103V	1/10W 4.7K	1	
D1052	MA116TX	DIODE	1		R265	ERJ6GEFJ103V	1/10W 4.7K	1	
D1053	MA116TX	DIODE	1		R266	ERJ6GEFJ103V	1/10W 4.7K	1	
D1054	MA116TX	DIODE	1		R267	ERJ6GEFJ103V	1/10W 4.7K	1	
D1055	MA116TX	DIODE	1		R268	ERJ6GEFJ103V	1/10W 4.7K	1	
D1056	MA116TX	DIODE	1		R269	ERJ6GEFJ103V	1/10W 4.7K	1	
D1057	MA116TX	DIODE	1		R270	ERJ6GEFJ103V	1/10W 4.7K	1	
D1058	MA116TX	DIODE	1		R271	ERJ6GEFJ103V	1/10W 4.7K	1	
D1059	MA116TX	DIODE	1		R272	ERJ6GEFJ103V	1/10W 4.7K	1	
D1060	MA116TX	DIODE	1		R273	ERJ6GEFJ103V	1/10W 4.7K	1	
D1061	MA116TX	DIODE	1		R274	ERJ6GEFJ103V	1/10W 4.7K	1	
D1062	MA116TX	DIODE	1		R275	ERJ6GEFJ103V	1/10W 4.7K	1	
D1063	MA116TX	DIODE	1		R276	ERJ6GEFJ103V	1/10W 4.7K	1	
D1064	MA116TX	DIODE	1		R277	ERJ6GEFJ103V	1/10W 4.7K	1	
D1065	MA116TX	DIODE	1		R278	ERJ6GEFJ103V	1/10W 4.7K	1	
D1066	MA116TX	DIODE	1		R279	ERJ6GEFJ103V	1/10W 4.7K	1	
D1067	MA116TX	DIODE	1		R280	ERJ6GEFJ103V	1/10W 4.7K	1	
D1068	MA116TX	DIODE	1		R281	ERJ6GEFJ103V	1/10W 4.7K	1	
D1069	MA116TX	DIODE	1		R282	ERJ6GEFJ103V	1/10W 4.7K	1	
D1070	MA116TX	DIODE	1		R283	ERJ6GEFJ103V	1/10W 4.7K	1	
D1071	MA116TX	DIODE	1		R284	ERJ6GEFJ103V	1/10W 4.7K	1	
D1072	MA116TX	DIODE	1		R285	ERJ6GEFJ103V	1/10W 4.7K	1	
D1073	MA116TX	DIODE	1		R286	ERJ6GEFJ103V	1/10W 4.7K	1	
D1074	MA116TX	DIODE	1		R287	ERJ6GEFJ103V	1/10W 4.7K	1	
D1075	MA116TX	DIODE	1		R288	ERJ6GEFJ103V	1/10W 4.7K	1	
D1076	MA116TX	DIODE	1		R289	ERJ6GEFJ103V	1/10W 4.7K	1	
D1077	MA116TX	DIODE	1		R290	ERJ6GEFJ103V	1/10W 4.7K	1	
D1078	MA116TX	DIODE	1		R291	ERJ6GEFJ103V	1/10W 4.7K	1	
D1079	MA116TX	DIODE	1		R292	ERJ6GEFJ103V	1/10W 4.7K	1	
D1080	MA116TX	DIODE	1		R293	ERJ6GEFJ103V	1/10W 4.7K	1	
D1081	MA116TX	DIODE	1		R294	ERJ6GEFJ103V	1/10W 4.7K	1	
D1082	MA116TX	DIODE	1		R295	ERJ6GEFJ103V	1/10W 4.7K	1	
D1083	MA116TX	DIODE	1		R296	ERJ6GEFJ103V	1/10W 4.7K	1	
D1084	MA116TX	DIODE	1		R297	ERJ6GEFJ103V	1/10W 4.7K	1	
D1085	MA116TX	DIODE	1		R298	ERJ6GEFJ103V	1/10W 4.7K	1	
D1086	MA116TX	DIODE	1		R299	ERJ6GEFJ103V	1/10W 4.7K	1	
D1087	MA116TX	DIODE	1		R300	ERJ6GEFJ103V	1/10W 4.7K	1	
D1088	MA116TX	DIODE	1		R301	ERJ6GEFJ103V	1/10W 4.7K	1	
D1089	MA116TX	DIODE	1		R302	ERJ6GEFJ103V	1/10W 4.7K	1	
D1090	MA116TX	DIODE	1		R303	ERJ6GEFJ103V	1/10W 4.7K	1	
D1091	MA116TX	DIODE	1		R304	ERJ6GEFJ103V	1/10W 4.7K	1	
D1092	MA116TX	DIODE	1		R305	ERJ6GEFJ103V	1/10W 4.7K	1	
D1093	MA116TX	DIODE	1		R306	ERJ6GEFJ103V	1/10W 4.7K	1	
D1094	MA116TX	DIODE	1		R307	ERJ6GEFJ103V	1/10W 4.7K	1	
D1095	MA116TX	DIODE	1		R308	ERJ6GEFJ103V	1/10W 4.7K	1	
D1096	MA116TX	DIODE	1		R309	ERJ6GEFJ103V	1/10W 4.7K	1	
D1097	MA116TX	DIODE	1		R310	ERJ6GEFJ103V	1/10W 4.7K	1	
D1098	MA116TX	DIODE	1		R311	ERJ6GEFJ103V	1/10W 4.7K	1	
D1099	MA116TX	DIODE	1		R312	ERJ6GEFJ103V	1/10W 4.7K	1	
D1100	MA116TX	DIODE	1		R313	ERJ6GEFJ103V	1/10W 4.7K	1	
D1101	MA116TX	DIODE	1		R314	ERJ6GEFJ103V	1/10W 4.7K	1	
D1102	MA116TX	DIODE	1		R315	ERJ6GEFJ103V	1/10W 4.7K	1	
D1103	MA116TX	DIODE	1		R316	ERJ6GEFJ103V	1/10W 4.7K	1	
D1104	MA116TX	DIODE	1		R317	ERJ6GEFJ103V	1/10W 4.7K	1	
D1105	MA116TX	DIODE	1		R318	ERJ6GEFJ103V	1/10W 4.7K	1	
D1106	MA116TX	DIODE	1		R319	ERJ6GEFJ103V	1/10W 4.7K	1	
D1107	MA116TX	DIODE	1		R320	ERJ6GEFJ103V	1/10W 4.7K	1	
D1108	MA116TX	DIODE	1		R321	ERJ6GEFJ103V	1/10W 4.7K	1	
D1109	MA116TX	DIODE	1		R322	ERJ6GEFJ103V	1/10W 4.7K	1	
D1110	MA116TX	DIODE	1		R323	ERJ6GEFJ103V	1/10W 4.7K	1	
D1111	MA116TX	DIODE	1		R324	ERJ6GEFJ103V	1/10W 4.7K	1	
D1112	MA116TX	DIODE	1		R325	ERJ6GEFJ103V	1/10W 4.7K	1	
D1113	MA116TX	DIODE	1		R326	ERJ6GEFJ103V	1/10W 4.7K	1	
D1114	MA116TX	DIODE	1		R327	ERJ6GEFJ103V	1/10W 4.7K	1	
D1115	MA116TX	DIODE	1		R328	ERJ6GEFJ103V	1/10W 4.7K	1	
D1116	MA116TX	DIODE	1		R329	ERJ6GEFJ103V	1/10W 4.7K	1	
D1117	MA116TX	DIODE	1		R330	ERJ6GEFJ103V	1/10W 4.7K	1	

Ref. No.	Part No.	Part Name & Description	Qty	Remarks	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
R732	ERJ6GEYJ164V	1/10W 100K	3						
R735	ERJ6GEYJ1672V	1/10W 4.7K	3						
R738	ERJ6GEYJ1622	1/10W 1K	3						
R739	ERJ6GEYJ272V	1/10W 2.7K	3						
R741	ERJ6GEYJ272V	1/10W 27K	3						
R742	ERJ6GEYJ162V	1/10W 10K	3						
R743	ERJ6GEYJ1673V	1/10W 47K	3						
R744	ERJ6GEYJ1622	1/10W 1K	3						
R745	ERJ6GEYJ1612	1/10W 100	3						
R746	ERJ6GEYJ163V	1/10W 10K	3						
R747	ERJ6GEYJ1622	1/10W 1K	3						
R801	ERJ6GEYJ184V	1/10W 180K	3						
R802	ERJ6GEYJ561V	1/10W 560	3						
R802, 04	ERJ6GEYJ163V	1/10W 10K	2						
R805	ERJ6GEYJ392V	1/10W 3.9K	3						
R806	ERJ6GEYJ162V	1/10W 10K	3						
R807	ERJ6GEYJ184V	1/10W 180K	3						
R808	ERJ6GEYJ392V	1/10W 3.9K	3						
R809	ERJ6GEYJ822V	1/10W 8.2K	3						
R810, 11	ERJ6GEYJ182V	1/10W 18K	2						
R811	ERJ6GEYJ561V	1/10W 560	3						
R812, 14	ERJ6GEYJ1673V	1/10W 470	2						
R817	ERJ6GEYJ185V	1/10W 1M	3						
R818	ERD02FJ202	1/4W 2.2	3						
R819	ERJ6GEYJ185V	1/10W 1M	3						
R820	ERD02FJ202	1/4W 2.2	3						
R821	ERJ6GEYJ1622	1/10W 1K	3						
R822	ERJ6GEYJ1812	1/10W 100	3						
R823, 24	ERJ6GEYJ561V	1/10W 560	2						
R900	ERD02TJ82 T	1/4W 820	3						
R901	ERD02FJ102	1/4W 1K	3						
R902	ERD02TJ122T	1/4W 1.2K	3						
R903	ERD02TJ162T	1/4W 1.6K	3						
R904	ERD02TJ182T	1/4W 1.8K	3						
R905	ERD02FJ222	1/4W 2.2K	3						
R906	ERD02TJ332T	1/4W 3.3K	3						
R907	ERD02FJ472	1/4W 4.7K	3						
R908	ERD02FJ682	1/4W 6.8K	3						
R909	ERD02TJ123T	1/4W 12K	3						
R910	ERD02TJ223T	1/4W 22K	3						
R911	ERD02TJ683T	1/4W 68K	3						
R912	ERD02TJ56 T	1/4W 560	3						
R914-17	ERD02FJ102	1/4W 1K	4						
R918	ERD02TJ22 T	1/4W 220	3						
R919	ERD02TJ50 T	1/4W 500	3						
R922	ERD02TJ39 T	1/4W 390	3						
R923	ERD02TJ56 T	1/4W 560	3						
R924	ERD02TJ82 T	1/4W 820	3						
R925	ERD02FJ100	1/4W 1K	3						
R926, 27	ERD02TJ473T	1/4W 47K	2						
R928, 29	ERD02TJ33 T	1/4W 330	2						
R930, 31	ERD02TJ162T	1/4W 1.6K	2						
R951	ERD02FJ68	1/4W 680	3						
R952, 54	ERD02FJ393	1/4W 39K	2						
R971	ERD02FJ68	1/4W 680	3						
R972, 74	ERD02FJ393	1/4W 39K	2						
RJ1-13	WSE-10H	CH P JUMPER	3						
RJ504-06	ERJ6GEY0980Z	CH P JUMPER	3						
RJ607	ERJ6GEY0980V	CH P JUMPER	3						
S900-01	EVQPT005Q	SW	8						
S909-13	EVQPT005Q	SW	7						
S951	RSHIAD18-1U	SW	1						
S952, 53	RSHIAD18-2U	SW	2						
S971	RSHIAD18-1U	SW	1						
S972-75	RSHIAD18-2U	SW	5						
VR101-04	EVNDCAN3824	VR	4						
VR001-03	EVNDCAN3853	VR	3						
X701	RSXYEM00066T	OSCILLATOR	1						
Z971	EXEFTL35551V	COMPONENT COMBINATION	1						

■ Mechanism Parts Location





■ Cabinet Parts Location

