

Service Manual

Cassette Deck

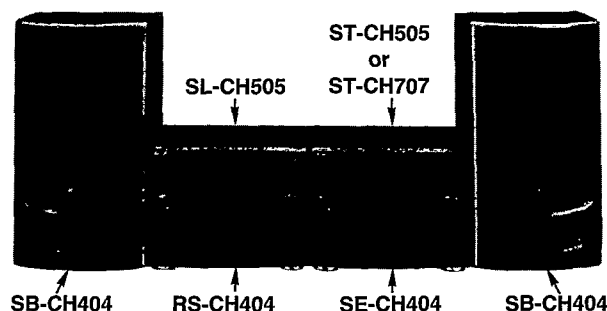
*1
DOLBY B NR

Cassette Deck

RS-CH404

Colour

(K) Black Type

Remote Control
Transmitter

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

Area

Suffix for Model No.	Area	Colour
(E)	Europe, Asia, Latin America, Middle Near East, Africa and Oceania	(K)

System: SC-CH404

■ NEW MECHANISM (AR-1) Specifications

Deck system	Stereo cassette deck
Track system	4-track, 2-channel
Recording system	AC bias
Erasing system	AC erase
Tape speed	4.8 cm/sec.
Bias frequency	80 kHz
Heads	
DECK 1 (playback head)	Permalloy head
DECK 2 (recording/playback) (erasure)	Permalloy head Double gap ferrite head
Motors (capstan/reel table drive) (reel table drive)	DC servo motor DC motor
Wow and flutter	0.1% (WRMS)
Fast forward and rewind times	Approx. 45 seconds with C-60 cassette tape
Frequency response (Dolby NR off, CCRT on)	
NORMAL	20 Hz–17 kHz
	30 Hz–15 kHz (+0 dB, –7 dB, DIN)
CrO ₂	20 Hz–18 kHz
	30 Hz–17 kHz (+0 dB, –7 dB, DIN)
METAL	20 Hz–20 kHz
	30 Hz–19 kHz (+0 dB, –7 dB, DIN)

S/N (CrO ₂)	Signal level MOL
Dolby NR off	56 dB (A weighted)
Dolby B NR on	66 dB (CCIR)
Input sensitivity and impedance	
LINE IN	126 mV/17.6 kΩ
Output voltage and impedance	
LINE OUT	400 mV/220Ω

■ General

Dimensions (W×H×D)	270×118.5×263 mm
Weight	2.85 kg

Notes:

- Weights and dimensions shown are approximate.
- Design and specifications are subject to change without notice.

*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.

System	Tuner	Compact disc player	Amplifier	Cassette deck	Speakers
SC-CH404	*2ST-CH505 *3ST-CH707	SL-CH505	SE-CH404	RS-CH404	*4SB-CH404

Notes: *2For Europe and Oceania

*3For Asia, Latin America, Middle Near East and Africa

*4For Europe...Made in PAES

For Asia, Latin America, Middle Near East and Africa and Oceania...Made in NABEL

Technics

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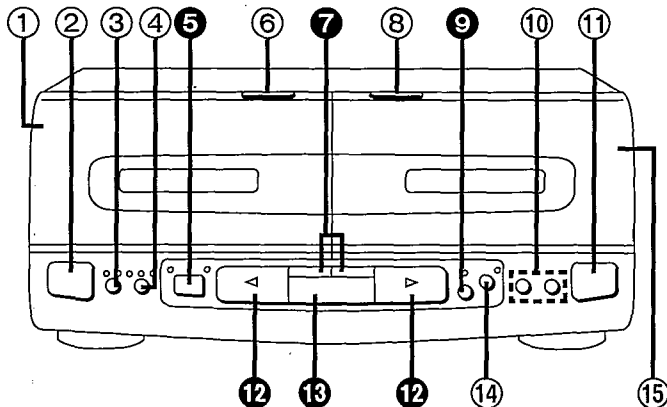
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NOTE:

Refer to the service manual for Model No. SE-CH404 (Order No. AD9307218C8) for information on "ACCESSORIES", "STACKING THE COMPONENTS", "CONNECTIONS" and "PACKAGING".

Location of Controls

The functions indicated by the numbers with black background (for example ⑤) can also be activated from the remote control.



No.	Name
①	Deck 1 cassette holder
②	Deck 1 cassette holder open button (▲ OPEN)
③	Dolby noise reduction button and indicators (DOLBY NR)
④	Reverse mode button and indicators (REVERSE MODE)

No.	Name
⑤	Deck 1/deck 2 select button and indicators (DECK 1/2)
⑥	Deck 1 cassette holder close button (CLOSE)
⑦	Fast forward/rewind/tape program sensor buttons [◀◀ (TPS), (TPS) ▶▶]
⑧	Deck 2 cassette holder close button (CLOSE)
⑨	Record pause button and indicator (REC PAUSE)
⑩	One-touch tape edit buttons (NORMAL, HIGH)
⑪	Deck 2 cassette holder open button (▲ OPEN)
⑫	Playback buttons and indicators (<◁, ▷)
⑬	Stop button (□)
⑭	CCRT button and indicator (CCRT)
⑮	Deck 2 cassette holder

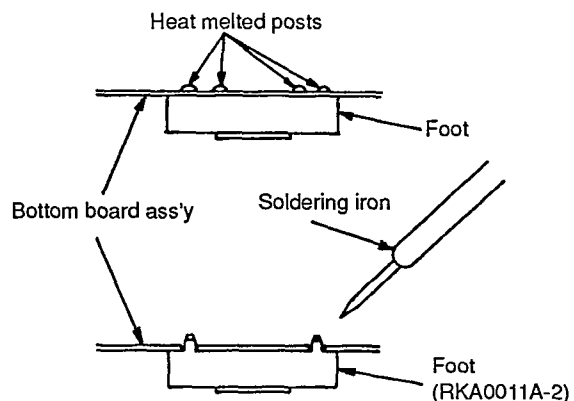
Disassembly Instructions

"ATTENTION SERVICER"

Some chassis components may have sharp edges. Be careful when disassembling and servicing.

• Replacement of the Foot

1. Remove the 4 heat melted posts on the Bottom board ass'y with a pair of nippers or similar tool.
2. To replace the foot (RKA0011A-2) on the Bottom board ass'y melt the 4 posts with a soldering iron.



Ref. No. 1	Removal of the Cabinet
Procedure 1	

1. Remove the 6 screws (①~⑥).

2. Remove the cabinet in the direction of arrow.

Cabinet

Ref. No. 2	Removal of the Main P.C.B.
Procedure 1→2	

1. Remove the 3 flat cables (CN1A, CN2A, CN3).

2. Remove the 2 connectors (CP1, CP2).

3. Remove the 3 screws (①~③).

• Push the top of the connector and then pull out the flat cable.

Flat cable

Connector

4. Remove the 1 screws (④).

5. Remove the main P.C.B. in the direction of arrow.

Main P.C.B.

Ref. No. 3	Removal of the Front Grill
Procedure 1→3	

1. Remove the 3 flat cables (CN1A, CN2A, CN3).

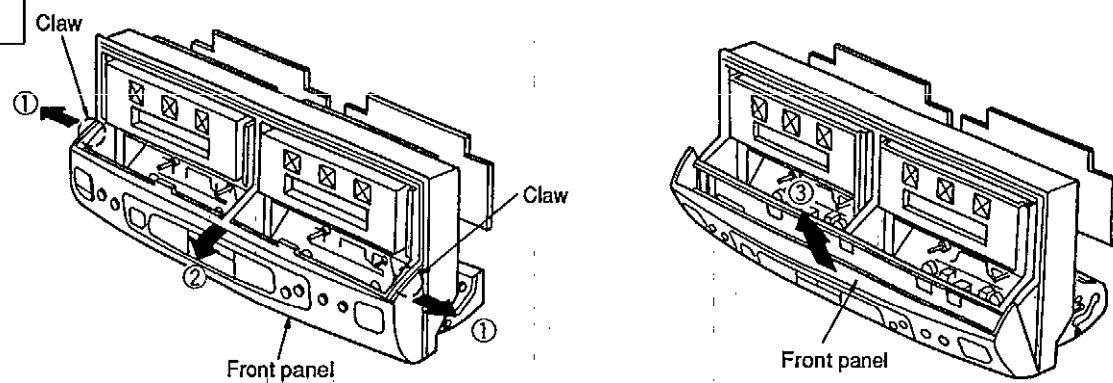
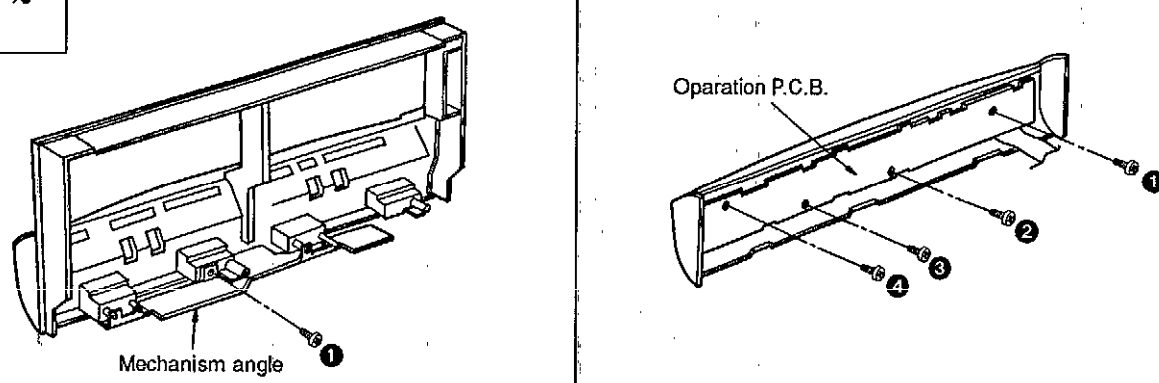
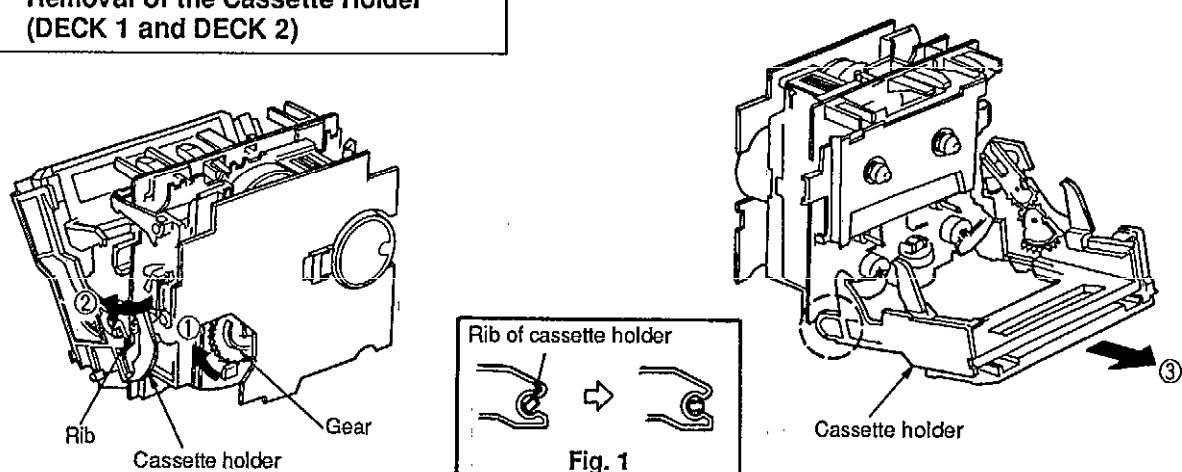
2. Remove the 2 connectors (CP1, CP2).

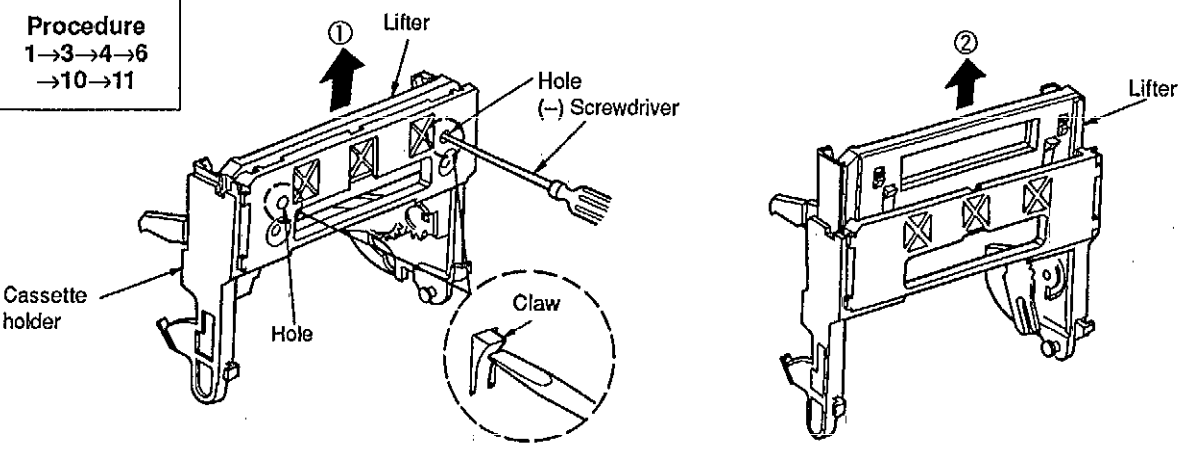
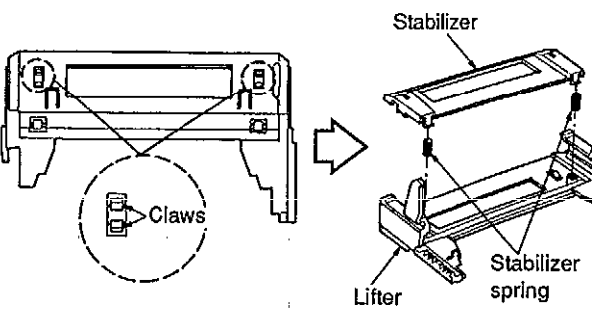
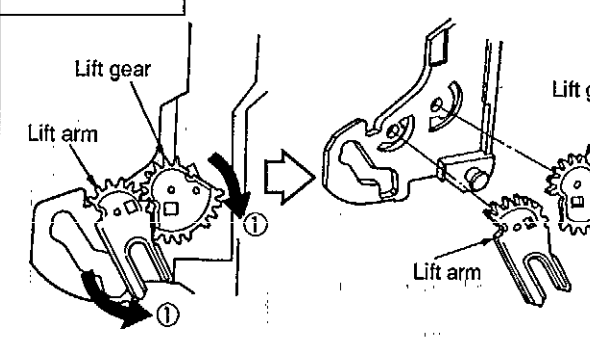
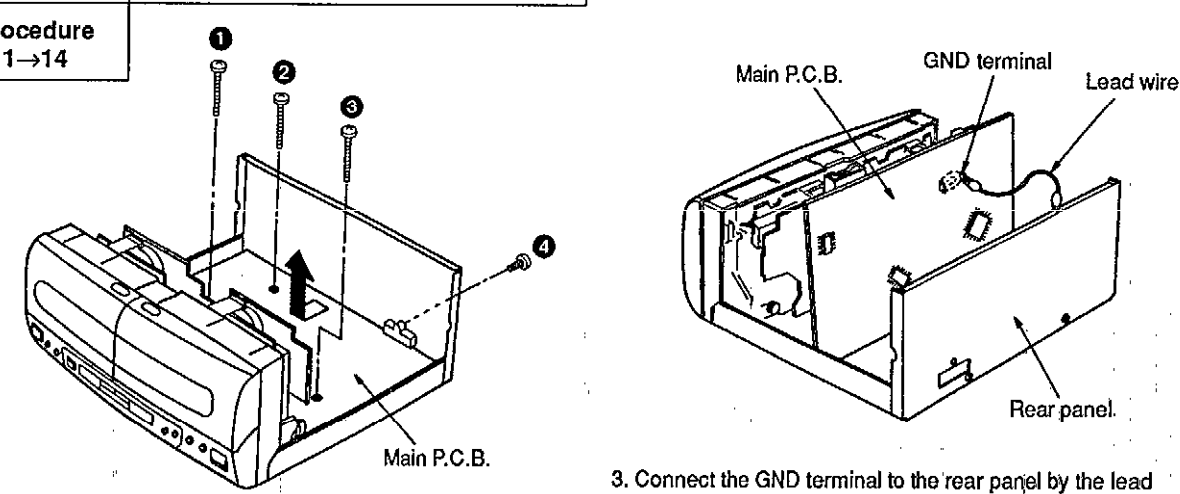
3. Remove the 3 screws (①~③).

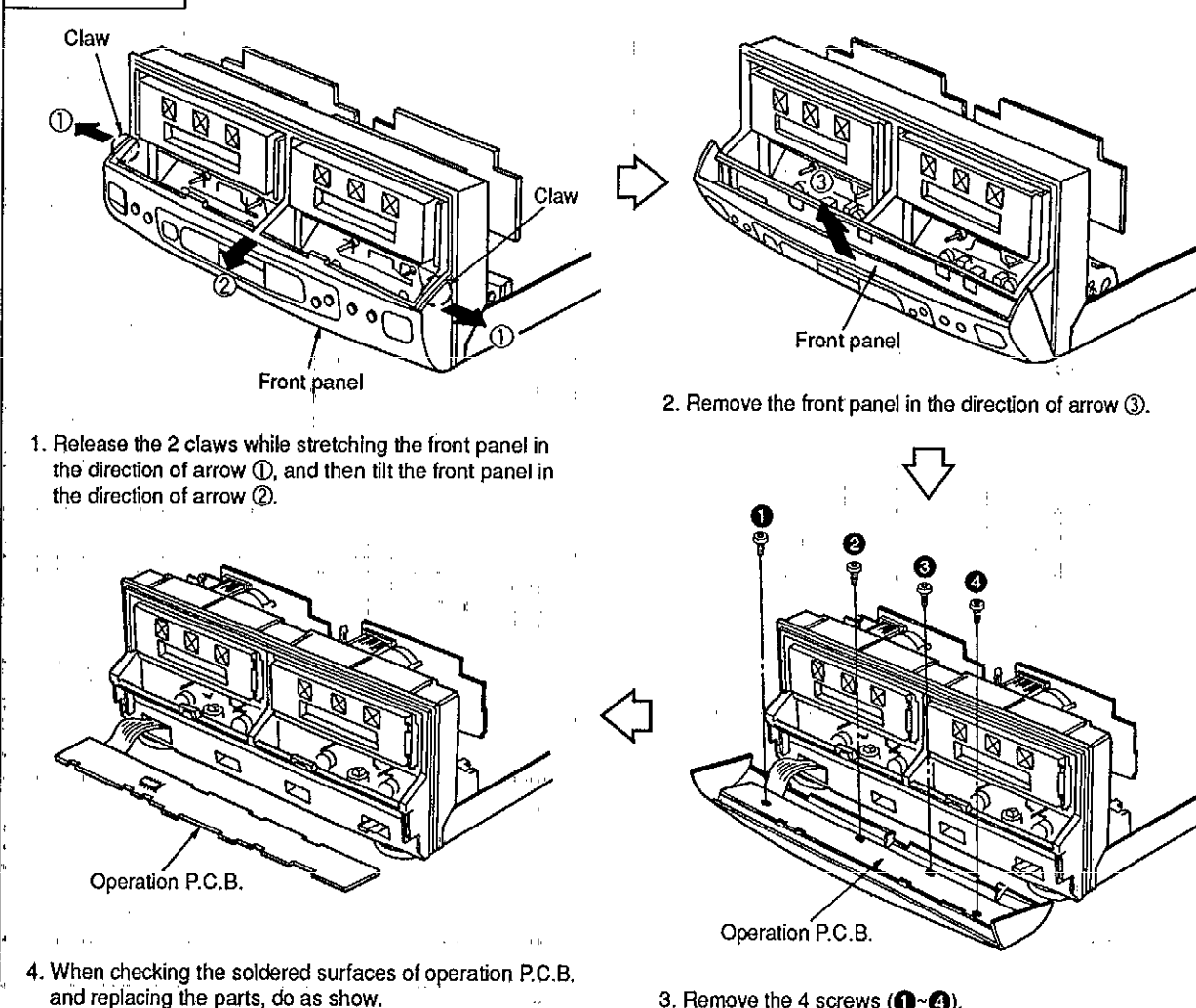
4. Remove the front grill in the direction of arrow.

Front grill

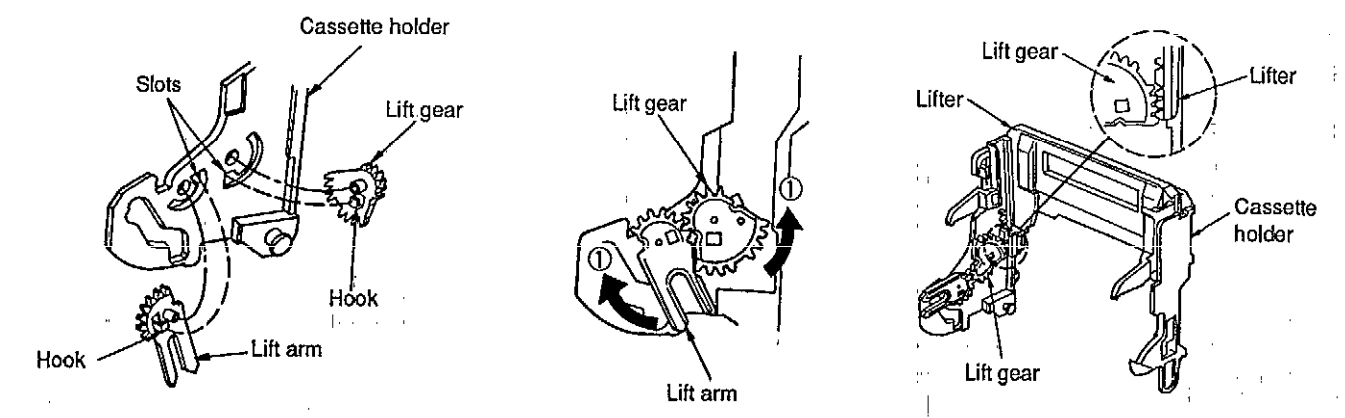
Ref. No. 4	Removal of the Cassette Lid Ass'y (DECK 1 and DECK 2)			Cassette lid ass'y (DECK 1) Gear Cassette lid ass'y (DECK 2) Cassette lid ass'y (DECK 1) Cassette lid ass'y (DECK 2) 1. Turn the gear in the direction of arrow ①, and open the cassette lid ass'y. 2. Remove the cassette lid ass'y in the direction of arrow ②.		
Ref. No. 5	Removal of the Close Rod (DECK 1 and DECK 2)	Ref. No. 6	Removal of the Loading Cassette Mechanism units (DECK 1 and DECK 2)			
Procedure 1→3→4→5	Close rod Close rod ※The cassette lid ass'y for DECK 1 is illustrated. For the cassette lid ass'y for DECK 2, perform the same procedure of removal for DECK 1. •Push the close rod in the direction of arrow ①, and then remove the close rod in the direction of arrow ②.				Procedure 1→3→4→6 Loading cassette mechanism unit (DECK 2) Loading cassette mechanism unit (DECK 1) •Remove the 8 screws (①~⑧).	
Ref. No. 7	Removal of the Motor Control P.C.B. (DECK 1 and DECK 2)				Reel motor terminals (2 points) Claw Capstan motor terminals (4 points) Motor control P.C.B. CS971 Motor control P.C.B. CP801 ※The motor control P.C.B. for DECK 1 is illustrated. For the motor control P.C.B. for DECK 2, perform the same procedure of removal for DECK 1. 1. Unsolder the reel motor terminal (2 points). 2. Unsolder the capstan motor terminal (4 points). 3. Remove the 2 screws (①, ②). 4. Release the 1 claw. 5. Pull out the motor control P.C.B. in the direction of arrow, and then remove the 2 connectors (CS971, CP801).	

Ref. No. 8	Removal of the Operation P.C.B.
Procedure 1→3→4→8	 1. Release the 2 claws while stretching the front panel in the direction of arrow ①, and then tilt the front panel in the direction of arrow ②. 2. Remove the front panel in the direction of arrow ③.
Ref. No. 9	Removal of the Mechanism angle
Procedure 1→3→4→6 →9	 • Remove the 1 screw (①). 3. Remove the 4 screws (①~④).
Ref. No. 10	Removal of the Cassette Holder (DECK 1 and DECK 2)
Procedure 1→3→4→6 →10	 1. Turn the gear in the direction of arrow ①, and open the cassette holder. 2. Remove the cassette holder from the rib in the direction of arrow ②. 3. Open the cassette holder so that the rib of the cassette holder is located to the position as shown in Fig.1., and then pull out it in the direction of arrow ③.

Ref. No. 11	Removal of the Lifter
Procedure 1→3→4→6 →10→11	 1. Insert the tip of (-) screwdriver to the 2 holes of the cassette holder to release the 2 claws of the lifter, and then remove the lifter in the direction of arrow ①. 2. Remove the lifter in the direction of arrow ②.
Ref. No. 12	Removal of the Stabilizer and Stabilizer Spring
Procedure 1→3→4→6 →10→11→12	 1. Release the 4 claws. 2. Remove the stabilizer and stabilizer spring.
Ref. No. 13	Removal of the Lift Arm and Lift Gear
Procedure 1→3→4→6 →10→11→13	 1. Turn the lift arm and the lift gear fully in the direction of arrow ①. 2. Remove the lift arm and lift gear.
Ref. No. 14	How to check the Main P.C.B.
Procedure 1→14	 1. Remove the 4 screws (①~④). 2. Remove the main P.C.B. in the direction of arrow. 3. Connect the GND terminal to the rear panel by the lead wire. 4. When checking the soldered surfaces of main P.C.B. and replacing the parts, do as show.

Ref. No. 15	How to check the Operation P.C.B.
Procedure 1→4→15	 1. Release the 2 claws while stretching the front panel in the direction of arrow ①, and then tilt the front panel in the direction of arrow ②. 2. Remove the front panel in the direction of arrow ③. 3. Remove the 4 screws (①~④). 4. When checking the soldered surfaces of operation P.C.B. and replacing the parts, do as show.

■ HOW TO INSTALL THE LIFTER



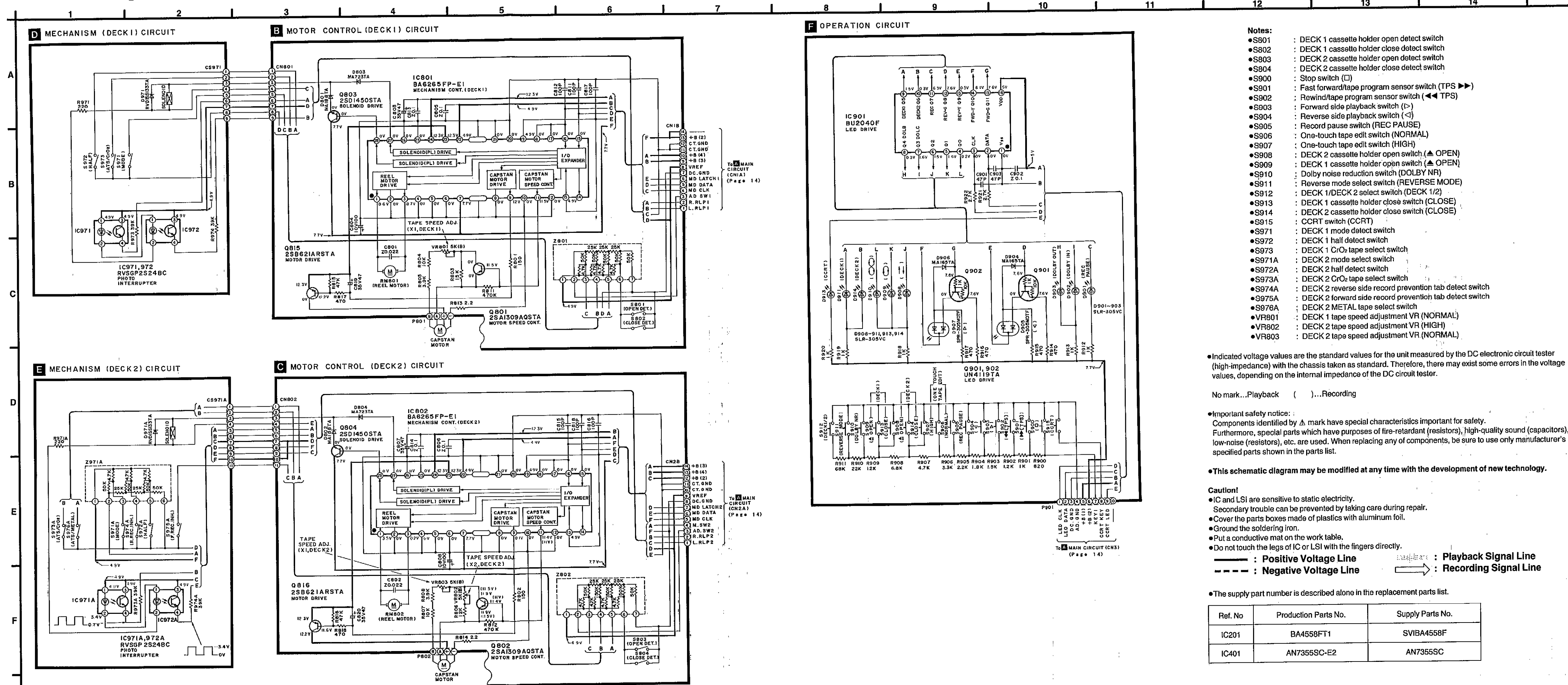
1. Align the slot of cassette holder with the hook of lift arm, and then install the lift arm.

2. Align the slot of cassette holder with the hook of lift gear, and then install the lift gear.

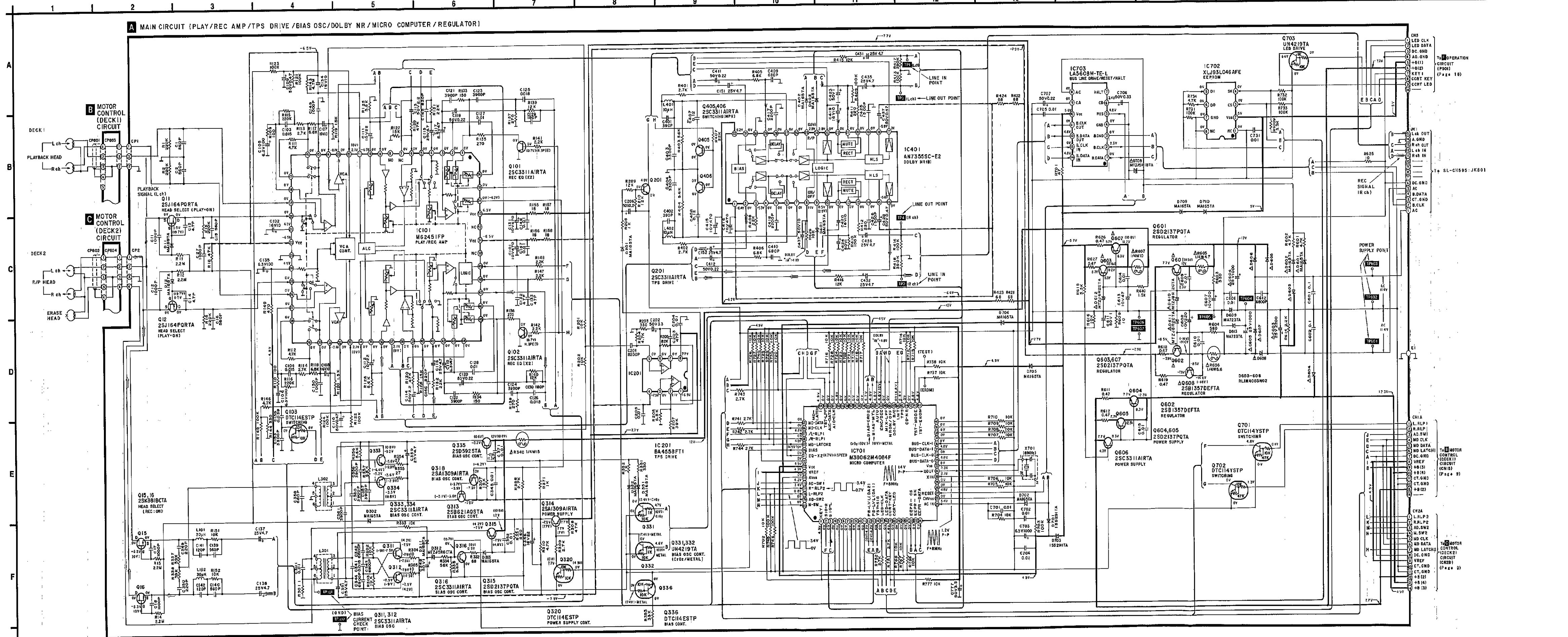
3. Turn the lift arm and the lift gear fully in the direction of arrow ①.

4. Install the lifter to the cassette holder and then align the lift gear with lifter gear as shown above.

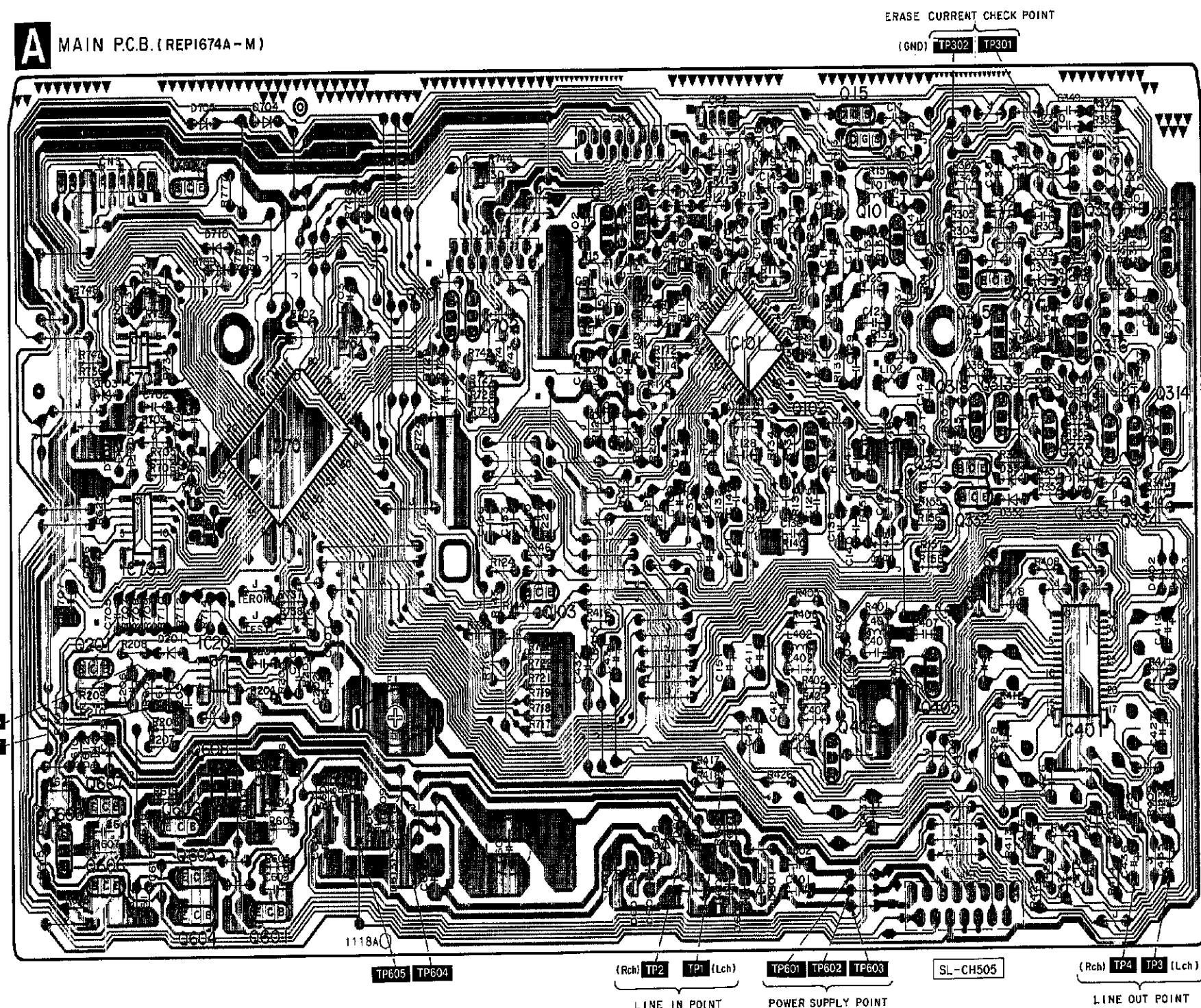
■ Schematic Diagram • Mechanism (DECK1)/(DECK2), Motor Control (DECK1)/(DECK2), Operation Circuit (Parts list on pages 27~30)



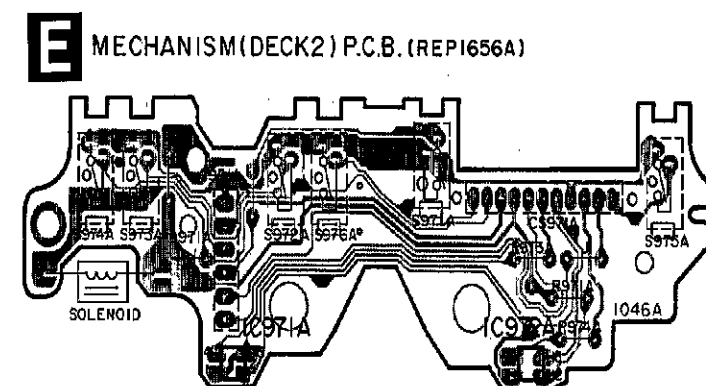
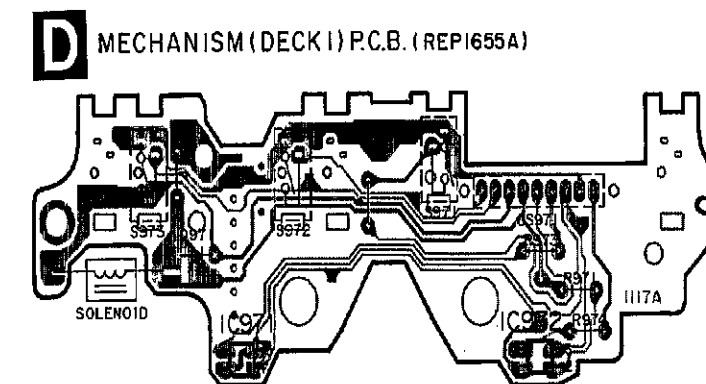
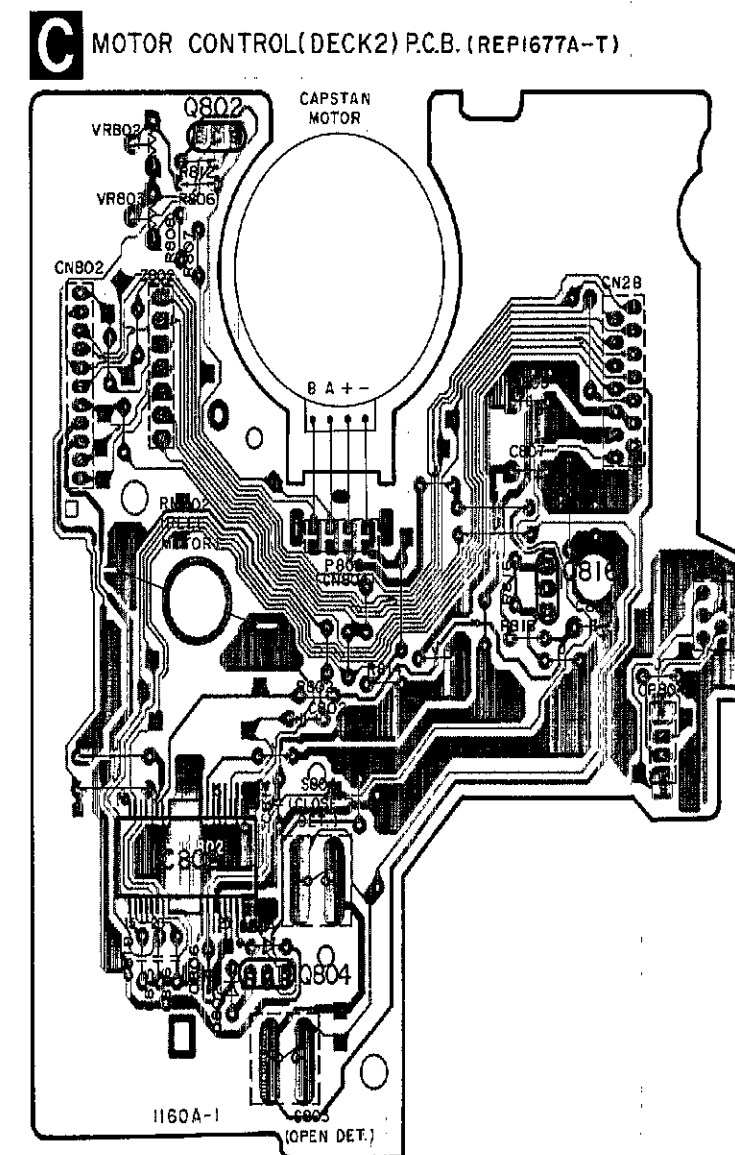
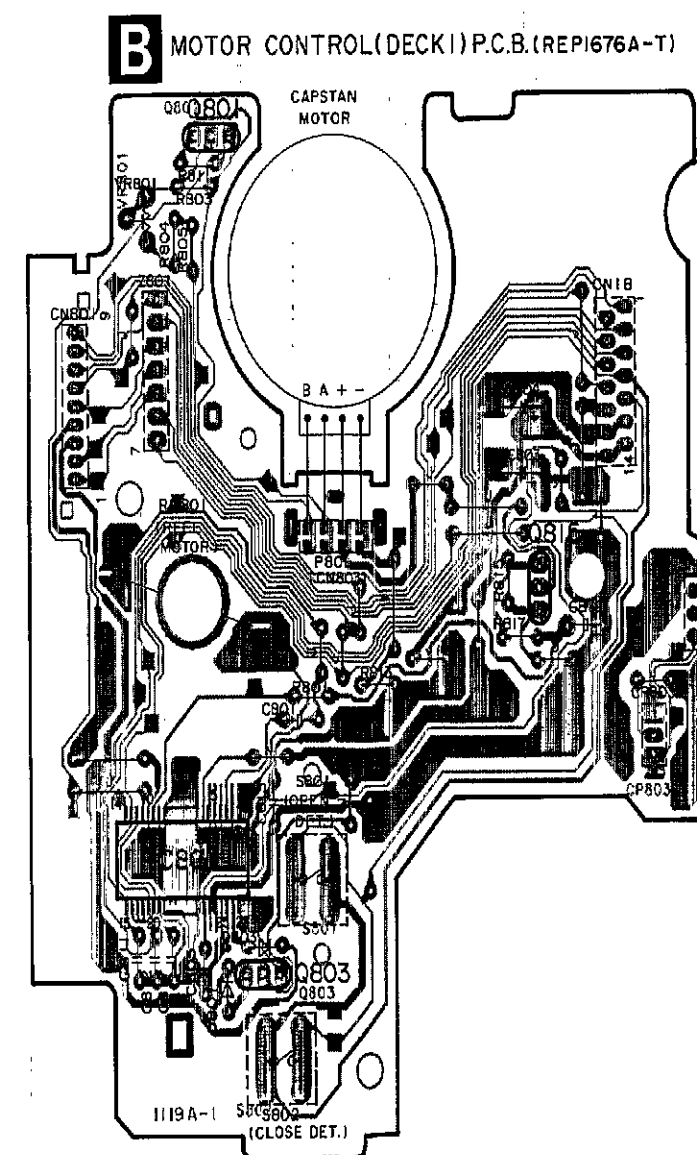
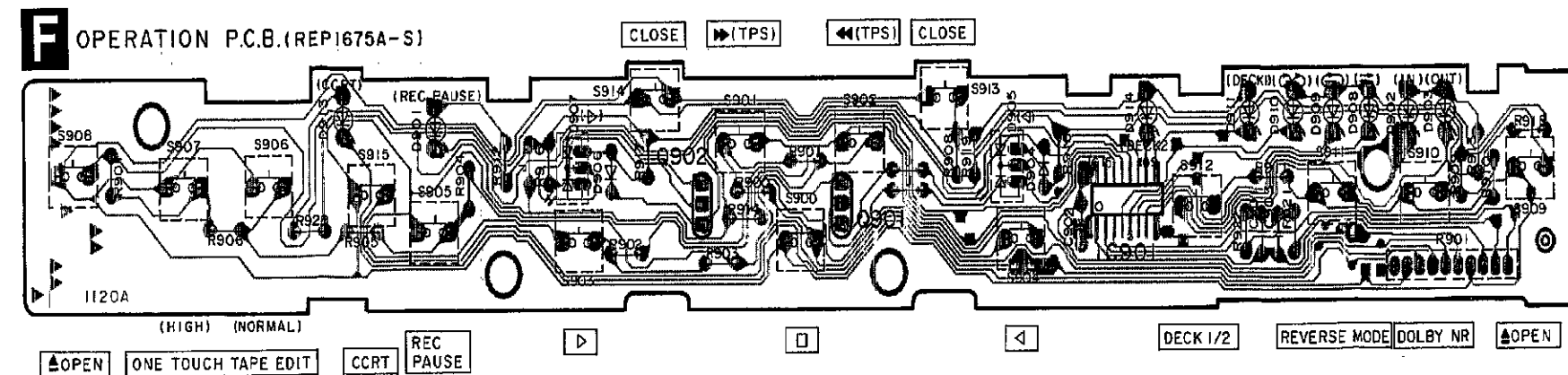
■ Schematic Diagram • Main, Motor Control (DECK1)/(DECK2) Circuit (Parts list on pages 27~30)



Printed Circuit Board Diagram



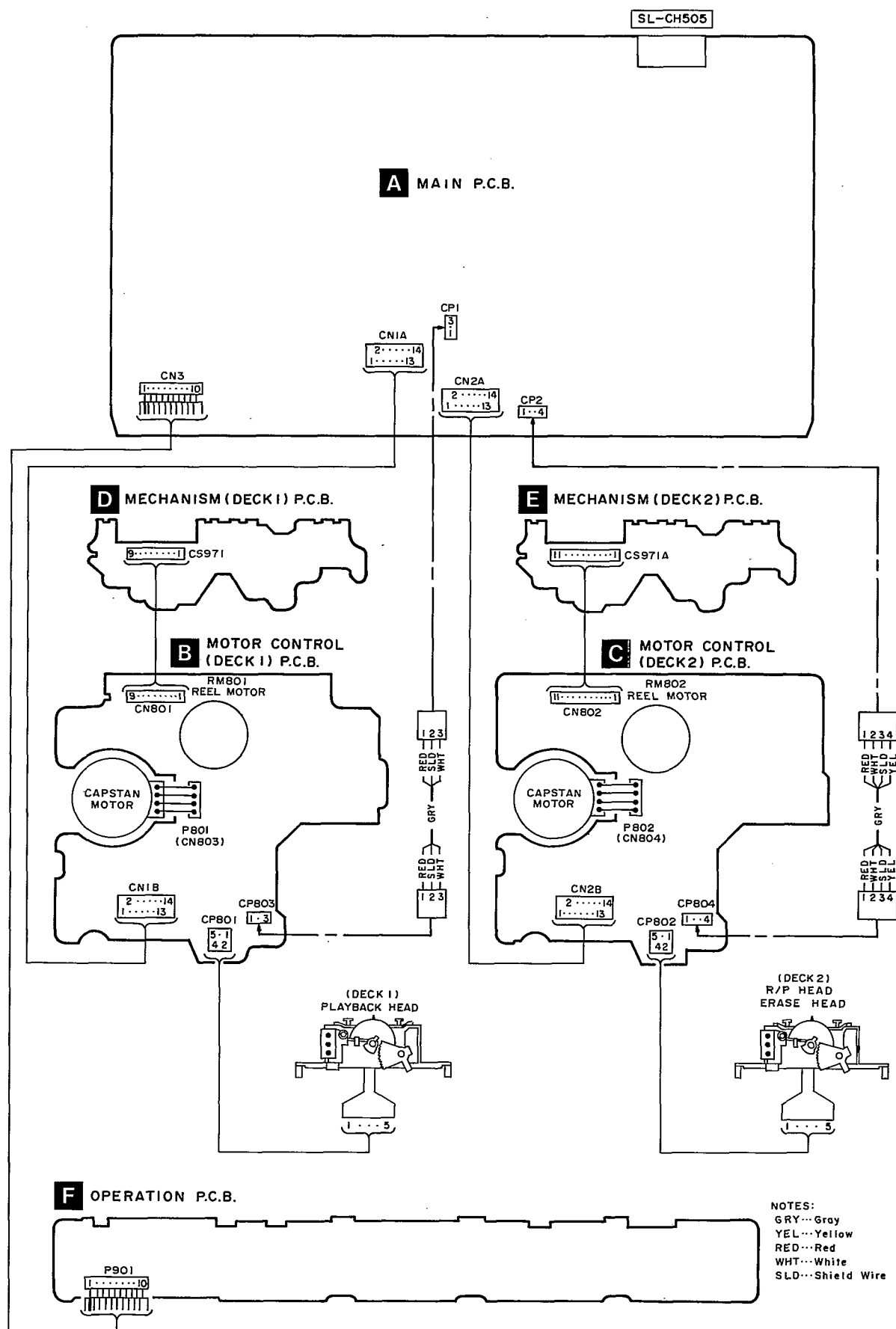
• This printed circuit board diagram may be modified at any time with the development of new technology.



Terminal guide of IC's, transistors and diodes

BA4558FT1 XLJ93LC46AFE	LA5608M-TE-L 14 Pin BU2040F 16 Pin AN7355SC-E2 32 Pin	M62451FP 56 Pin M39062M4084F 80 Pin	BA6265FP-E1
RVSGP2S245C	DTC114ESTP DTC114YSTP	UN4219TA 2SA1309AIRTA 2SA1309AQSTA 2SC3311AIRTA 2SD1460STA UN4119TA	2SB621AQSTA 2SB621ARSTA 2SD592STA
2SB1357DEFTA 2SD2137PQTA	2SJ164PQRTA	2SK381BCTA	1SS291TA
MA165TA MA168TA MA723TA RVD1SS133TA	RL1N4003N02	SPR-305MDTF	SLR-305VC

Wiring Connection Diagram



■ Measurements and Adjustments

- The RS-CH404 is designed to operate on the power supplied from the SE-CH404 Amplifier.
- To operate the RS-CH404 alone for testing or servicing, without having power supplied from the SE-CH404, use the following method:
Apply 11 V AC power between TP601 and TP602, and TP602 and TP603.

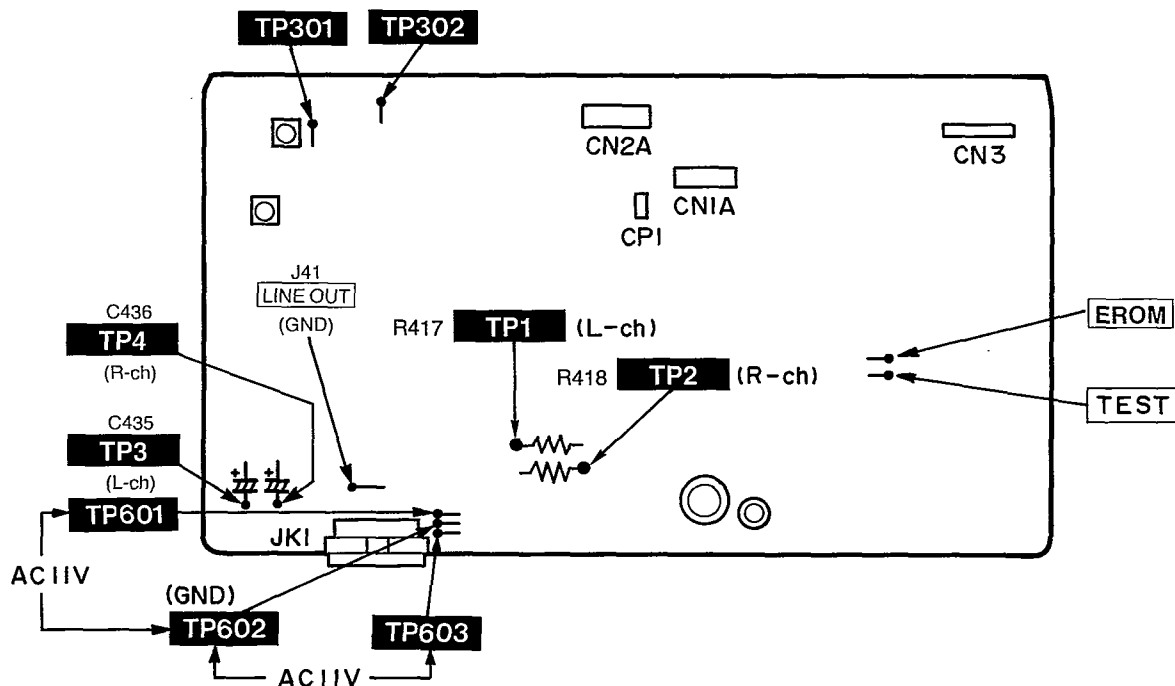


Fig. 1

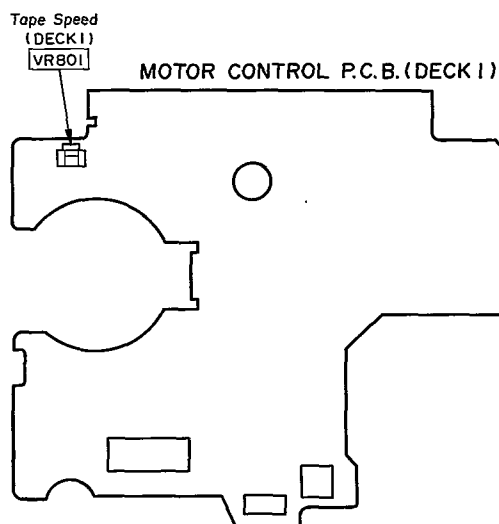


Fig. 2

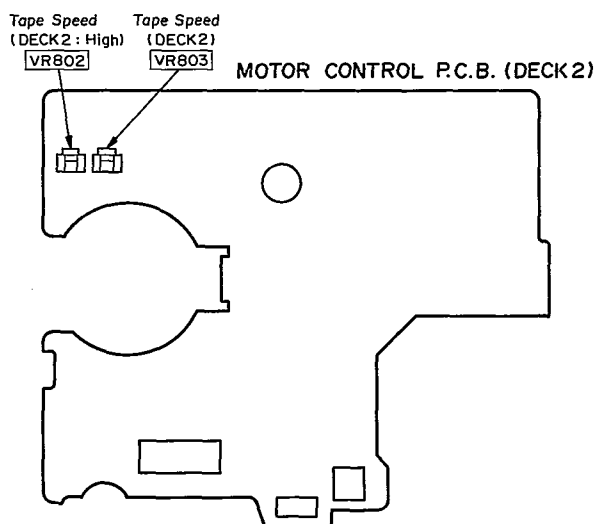


Fig. 3

Measurement Condition

- Reverse-mode selector switch; $\longleftrightarrow$
- Dolby NR switch; OFF
- Make sure heads are clean.

Measuring instrument

- EVM (Electronic Voltmeter)
- AF oscillator
- Digital frequency counter

Test tape

- Head azimuth adjustment (8 kHz, -20 dB); QZZCFM
- Tape speed adjustment (3 kHz, -10 dB); QZZCWAT
- Playback frequency response (315 Hz, 12.5 kHz, 10 kHz, 8 kHz, 4 kHz, 1 kHz, 250 Hz, 125 Hz, 63 Hz, -20 dB); QZZCFM

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

- Playback gain adjustment (315 Hz, 0 dB); QZZCFM

HEAD AZIMUTH ADJUSTMENT (DECK 1/2)

1. Playback the azimuth adjustment portion (8 kHz, -20 dB) of the test tape (QZZCFM). Vary the azimuth adjusting screw until the outputs of the R-CH is maximized.
2. Perform the same adjustment in the play mode.
3. After the adjustment, apply screwlock to the azimuth adjusting screw.

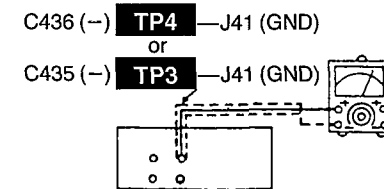


Fig. 4

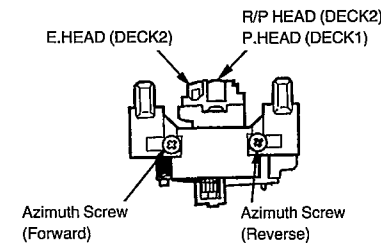


Fig. 5

TAPE SPEED ADJUSTMENT (DECK 1/2)

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.

Adjustment target: 3000 ± 15 Hz (NORMAL speed)
Standard value: 3000 ± 45 Hz (NORMAL speed)

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

3. Short-circuit the TEST jumper ("DECK 1" or "DECK 2" indicator blinks).
4. Playback the middle portion on the test tape (QZZCWAT).
5. Press the one touch tape edit (High) button. This will set the high speed mode.
6. At that time, check if the output from DECK 1 is within the standard value.

Standard value: 6000 ± 600 Hz (HIGH speed)

7. Adjust VR802 so that the output frequency of DECK 2 is within ± 30 Hz for the value of the output frequency of DECK 1.

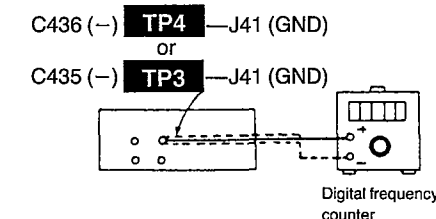


Fig. 6

ERASE CURRENT CONFIRMATION (DECK 2)

1. Short-circuit the TEST jumper.
2. Press the REC PAUSE button.
3. Check if the output at this time between the erase current confirmation point TP301 and TP302 (chassis) (the output on both edges of R301) is within the standard value.

Standard value: 160 ± 25 mA

4. Disconnect the TEST jumper from the frame ground.

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

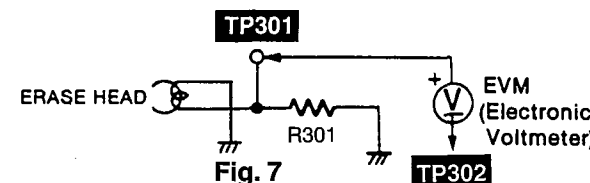
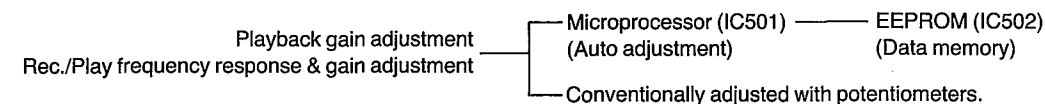


Fig. 7

The RS-CH404 can automatically adjust playback gain and rec./play frequency response & gain.**•Automatic adjustment of playback gain and rec./play frequency response & gain**

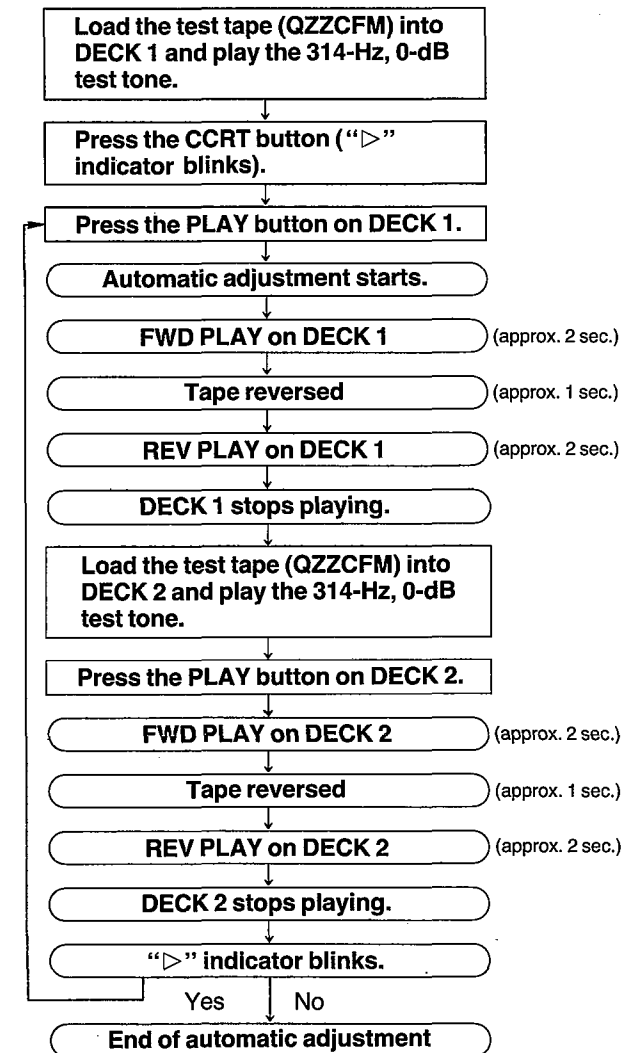
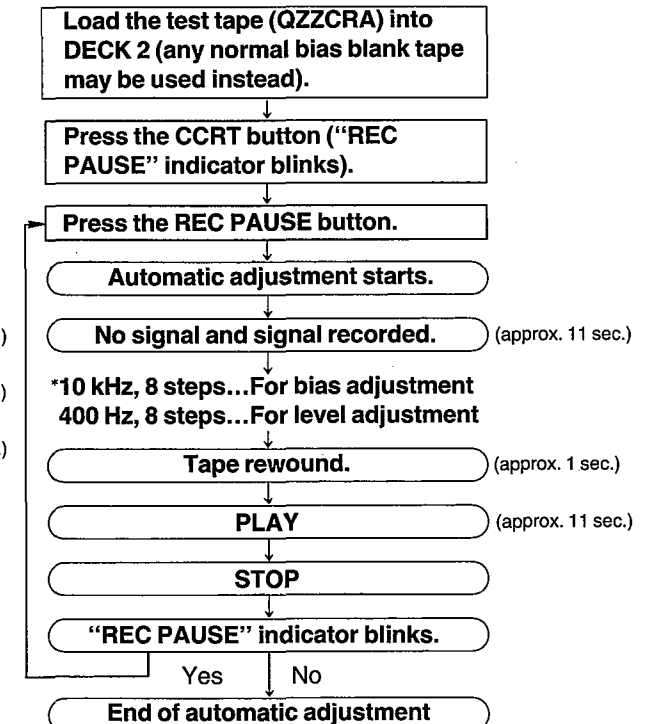
A microprocessor (IC501) used within the RS-CH404 automatically adjusts its playback gain and rec./play frequency response & gain (factory adjustment) and stores adjustment data to an EEPROM chip (IC502). (Potentiometers have conventionally been used for these adjustments.)



If the EEPROM chip (IC502) or any of the head AF signal line components is replaced for servicing, the unit requires re-adjustment. (Refer to page 22.)

•Preparations for Adjustment

1. Connect an AF oscillator to the line inputs, TP1 (L channel) and TP2 (R channel) (see Fig. 1).
2. Connect an AC voltmeter to the line outputs, TP3 (L channel) and TP4 (R channel) (see Fig. 1).
3. Make sure that the power is turned off, and then ground the EROM jumper and TEST jumper on the Main P.C.B. to the frame ground.
4. Turn on the power (see page 20).
The EROM (IC502) is initialized and the indicator shows blinking letters "DECK 1" or "DECK 2" and "CCRT".
5. Apply a test tone signal [315 Hz, -18 dB (126 mV)] from the AF oscillator to the line inputs (TP1 for channel L, TP2 for channel R).
6. Make sure that no tape is loaded in DECK 1 or DECK 2.
While pressing and holding the REC PAUSE button, adjust the AF oscillator output level until the signal level at the line outputs (TP3 for L channel, TP4 for R channel) is 400 mV. After setting the AF oscillator output level, keep holding down the REC PAUSE button for approx. 5 sec.
7. Release the REC PAUSE button.
8. Disconnect EROM jumper from the frame ground.

•Playback Gain Adjustment**•Rec./Play Frequency Response & Gain Adjustment**

Note:

...Manual ...automatic

•Post Auto-adjustment Checks

1. Press the CCRT button.
2. "CCRT" indicator turns on.
3. Make sure that the indicator shows the following information:

	PLAY indicator on DECK 1	PLAY indicator on DECK 2	REC indicator on DECK 2
OK	Off	Off	Off
NG (readjustment required)	"▷" indicator blinks.	"▷" indicator blinks.	"REC PAUSE" indicator blinks.

4. Disconnect TEST jumper from the frame ground.

The schematic diagram illustrates the internal circuitry of a cassette deck, organized into several main functional sections:

- Input and Playback Stages:** Located at the top left, this section includes input jacks for L and R channels, playback heads for DECK 1 and DECK 2, and a DECK 2 ERASE HEAD. It features a CR network (P.B. EQ) and various op-amp based stages for signal processing.
- Microcomputer and Logic:** The central section contains the MICRO COMPUTER (IC701, M38062M4084F) which manages the deck's operations. It is interfaced with an EEPROM (IC702, XLJ93LC46AFE) and a logic circuit (IC401, AN7355SC-E2) for Dolby NR (B) processing. Various logic gates and buffers are used throughout.
- Motor Control and Mechanism:** The bottom section details the MECHANISM CONT. for DECK 1 and DECK 2. It includes solenoid drives for tape transport, motor speed controls (VR801, VR802,803), and an I/O expander (IC801, BA6265FP-E1) to interface with the microcomputer.
- Power and Biasing:** Multiple power supply sections are shown, including bias oscillators (Q313,316,335), power supplies (Q314, Q320), and regulators (Q601, D610; Q603,607,D612; Q602,608,D611; Q604,605; Q606) for different parts of the circuit.
- Photo Interrupters:** Two photo interrupters (RVS6P2S24BC, IC971A, IC972A) are used for tape position sensing, with associated ladder resistors and switching components.
- LED Drive:** A BU2040F LED DRIVE (IC901) is shown at the top right, controlled by the microcomputer to provide visual feedback.

Legend:

- 1) () Indicates pin No. of right channel.
- 2) $\rightarrow$: PLAYBACK SIGNAL LINE
- $\Rightarrow$: RECORDING SIGNAL LINE

Key Components and ICs:

- AN7355SC-E2 (IC401): DOLBY NR (B)
- M38062M4084F (IC701): MICRO COMPUTER
- XLJ93LC46AFE (IC702): EEPROM
- BA6265FP-E1 (IC801): I/O expander
- BA455EFT1 (IC201): TPS drive
- Q201, Q201: TPS drive
- Q313,316,335: Bias OSC control
- Q314, Q320: Power supply
- Q601, D610; Q603,607,D612; Q602,608,D611; Q604,605; Q606: Regulators and power supply control
- BU2040F (IC901): LED DRIVE
- RVS6P2S24BC (IC971A, IC972A): PHOTO INTERRUPTER

■ Function of IC Terminals

●IC701 (M38062M4084F)

Pin No.	Terminal Name	I/O	Function
1	KEY1	I	Operation key input
2	SIG-R	I	Level detection input for audio signal (R-ch)
3	SIG-L	I	Level detection input for audio signal (L-ch)
4 11	—	—	—
12	PB-LVL (DA2)	O	Control signal output for playback level (R-ch)
13	PB-LVL (DA1)	O	Control signal output for playback level (R-ch)
14	TST-SIG	O	Audio test signal output (400 Hz/10 kHz)
15	LED-CLK	O	Serial clock signal output for LED drive control to IC901
16	LED-DATA	O	Serial data signal output for LED drive control to IC901
17	CCRT-KEY	I	Key input for CCRT
18	CCRT-LED	O	ON/OFF control signal output for CCRT display to LED
19 21	—	—	—
22	EEPR-CS	O	Chip select signal output for EEPROM
23	EEPR-SK	O	Serial clock signal output for EEPROM
24	EEPR-DATA	I/O	Serial data signal input/output for EEPROM
25	ACIN	I	Signal input for power OFF mode detection
26	CNVSS	—	Connected to V _{SS}
27	RESET	I	Reset signal input from microprocessor
28 29	—	—	—
30	XIN	I	Clock signal input from microprocessor
31	XOUT	O	Clock signal output to microprocessor
32	V _{SS}	—	Connected to GND
33	BUS-DATA-0	O	Bus data signal output

Pin No.	Terminal Name	I/O	Function
34	BUS-CLK-0	O	Bus clock signal output
35	BUS-DATA-I	I	Bus data signal input
36	BUS-CLK-I	I	Bus clock signal input
37 40	—	—	—
41	TST-EPROM	I	Signal input for EEPROM initialization
42	TST-MODE	I	Switching signal input for Test ON/OFF mode
43	—	—	—
44	CS-NR	I	Model selection input (RS-CH404; "L")
45	TPS	I	Signal input for tune presence detection in TPS operation
46	LMT	O	Muting signal output for line out
47	DOLBY-B/C	O	Dolby B/C switching signal output
48	NR ON/OFF	O	Dolby ON/OFF switching signal output
49	MIX-LPF	O	Filter ON/OFF switching signal output in audio signal level detection
50	ENC/DEC	O	Encoder/decoder switching signal output to IC for Dolby
51	AUTO	O	Gain control signal output for audio signal level detection circuit
52	BIAS-MTL	O	Control signal output for recording bias in use of a metal tape
53	BIAS-CRO2	O	Control signal output for recording bias in use of a Chrome tape
54 59	—	—	—
60	—	—	—
61	AIC-CLK	O	Clock control signal output to IC for audio recording/playback
62	AIC-DATA	O	Data control signal output to IC for audio recording/playback

Pin No.	Terminal Name	I/O	Function
63	TST-LPF	O	Filter ON/OFF switching signal output for CCRT recording test signal (400 Hz: "H")
64	MD LATCH1	O	Latch signal output to IC (801) for mechanism drive on deck 1
65	MD-DATA	O	Serial data signal output to mechanism drive ICs (IC801, IC802)
66	MD-CLK	O	Serial clock signal output to mechanism ICs (IC801, IC802)
67	/L-RLP1	I	Pulse signal input for rotation detection to left side reel of deck 1
68	/R-RLP1	I	Pulse signal input for rotation detection to right side reel of deck 1
69	MD-LATCH2	O	Latch signal output to IC (IC802) for mechanism drive on deck 2
70	BIAS	O	ON/OFF switching signal output for recording bias
71	EQ-X2	O	Switching signal output for recording equalizer
72	—	—	—
73	V _{CC}	—	Connected to power source for microcomputer (+5 V)
74	VREF	—	Connected to reference voltage for A/D input
75	AVSS	—	Connected to GND for A/D input
76	AD-SW1	I	Signal input for mechanism switches for deck 1
77	R-RLP2	I	Pulse signal input for rotation detection to right side reel of deck 2
78	L-RLP2	I	Pulse signal input for rotation detection to left side reel of deck 2
79	AD-SW2	I	Signal input for mechanism switches for deck 2
80	M-SW2	I	Signal input for mechanism switches for deck 2

●IC702 (XLJ93LC46AFE)

Pin No.	Terminal Name	I/O	Function
1	NC	—	Connected to GND
2	V _{CC}	I	Power input
3	CS	I	Chip select signal input
4	SK	I	Serial clock input
5	DI	I	Serial data input
6	DO	O	Serial data output
7	GND	—	GND
8	NC	—	Connected to GND

●IC801 and IC802 (BA6265FP-E1)

Pin No.	Terminal Name	I/O	Function
1	RM—	O	Reel motor control (—)
2	GND	—	Reel motor GND
3	RM+	O	Reel motor control (+)
4 6	NC	—	Connected to GND
7	7.5 V	I	Power input (7.5 V)
8	GND	—	Capstan motor GND
9	CPM	O	Capstan motor control
10	NC	—	Connected to GND
11	CPM-SW	O	Capstan motor speed control
12	NC	—	Connected to GND
13	LACH	I	I/O expander latch signal output
14	S.O.	O	I/O expander serial output
15	DATA	I	I/O expander data input
16	CLK	I	I/O expander clock input
17, 18	NC	—	Connected to CLK
19	NC	—	Connected to LACH
20, 21	GND	—	GND
22	5 V	I	Power input (5 V)
23, 24	15 V	I	Power input (15 V)
25	NC	—	Connected to GND
26	GND	—	GND
27	PL15 V	O	Plunger drive signal output (15 V)
28	PL7.5 V	O	Plunger drive signal output (7.5 V)

■ Replacement Parts List

Notes: *Important safety notice:

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 the parts list.

*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)

Parts without these indications can be used for all areas.

*The "(SF)" mark denotes the standard part.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)		Q703	UN4219TA	TRANSISTOR	
				Q801, 802	2SA1309A-R	TRANSISTOR	
				Q803, 804	2SD1450RTA	TRANSISTOR	
IC101	M62451FP	I. C. REC. /PLAYBACK AMP.		Q815, 816	2SB621A-R	TRANSISTOR	
IC201	SVIBA4558F	I. C. TPS DRIVE		Q901, 902	UN4119	TRANSISTOR	
IC401	AN7355SC	I. C. DOLBY NR				DIODE(S)	
IC701	M38062M4084F	I. C. MICRO COMPUTER					
IC702	XLJ93LC46AFE	I. C. EEPROM					
IC703	LA5608M-TE-L	I. C. BUS LINE/HALT/RESET		D11, 12	MA188TA	DIODE	
IC801, 802	BA6265FP-E1	I. C. MECHANISM CONT.		D201	MA165	DIODE	
IC901	BU2040F	I. C. LED DRIVE		D302	MA165	DIODE	
		PHOTO SENSOR(S)		D311	MA188TA	DIODE	
				D312	MTZJ5R6CTA	DIODE	
IC971	RVSGP2S24BC	I. C. PHOTO SENSOR (DECK1)		D313	MA165	DIODE	
IC971A	RVSGP2S24BC	I. C. PHOTO SENSOR (DECK2)		D351, 352	MA165	DIODE	
IC972	RVSGP2S24BC	I. C. PHOTO SENSOR (DECK1)		D401-403	MA165	DIODE	
IC972A	RVSGP2S24BC	I. C. PHOTO SENSOR (DECK2)		D601, 602	MA165	DIODE	Δ
		TRANSISTOR(S)		D603-608	RL1N4003N02	DIODE	
				D609	MA723TA	DIODE	
				D610, 611	MTZJ6R2CTA	DIODE	Δ
				D612	MTZJ6R2CTA	DIODE	Δ
Q11, 12	2SJ164PQRTA	TRANSISTOR		D613	MA723TA	DIODE	
Q15, 16	2SK381BCDTA	TRANSISTOR		D701	1SS291TA	DIODE	
Q101, 102	2SC3311AIRTA	TRANSISTOR		D702	MA165	DIODE	
Q103	DTC114ESTP	TRANSISTOR		D703	1SS291TA	DIODE	
Q201	2SC3311AIRTA	TRANSISTOR		D704, 705	MA165	DIODE	
Q311, 312	2SC3311AIRTA	TRANSISTOR		D708	MTZJ5R1BTA	DIODE	Δ
Q313	2SB621AQSTA	TRANSISTOR		D709, 710	MA165	DIODE	
Q314	2SA1309AIRTA	TRANSISTOR		D801, 802	MA188TA	DIODE	
Q315	2SD2137PQTA	TRANSISTOR		D803, 804	MA723TA	DIODE	
Q316	2SC3311AIRTA	TRANSISTOR		D901-903	SLR-305VC	DIODE LED	
Q318	2SA1309AIRTA	TRANSISTOR		D904	MA165	DIODE	
Q320	DTC114ESTP	TRANSISTOR		D905	SPR-305MDTF	DIODE LED	
Q331, 332	UN4219TA	TRANSISTOR		D906	MA165	DIODE	
Q333, 334	2SC3311AIRTA	TRANSISTOR		D907	SPR-305MDTF	DIODE LED	
Q335	2SD592NCR	TRANSISTOR		D908-911	SLR-305VC	DIODE LED	
Q336	DTC114ESTP	TRANSISTOR		D913, 914	SLR-305VC	DIODE LED	
Q405, 406	2SC3311AIRTA	TRANSISTOR		D971A	RVD1SS133TA	DIODE (DECK1)	
Q601	2SD2137PQTA	TRANSISTOR	Δ	D971A	RVD1SS133TA	DIODE (DECK2)	
Q602	2SB1357DEFTA	TRANSISTOR	Δ			VARIABLE RESISTOR(S)	
Q603	2SD2137PQTA	TRANSISTOR	Δ				
Q604, 605	2SD2137PQTA	TRANSISTOR					
Q606	2SC3311AIRTA	TRANSISTOR		VR801	EVNDCAA03B53	V. R. TAPE SPEED ADJ. (X1)	
Q607	2SD2137PQTA	TRANSISTOR	Δ	VR802	EVNDCAA03B53	V. R. TAPE SPEED ADJ. (X2)	
Q608	2SB1357DEFTA	TRANSISTOR	Δ	VR803	EVNDCAA03B53	V. R. TAPE SPEED ADJ. (X1)	
Q701, 702	DTC114YSTP	TRANSISTOR					

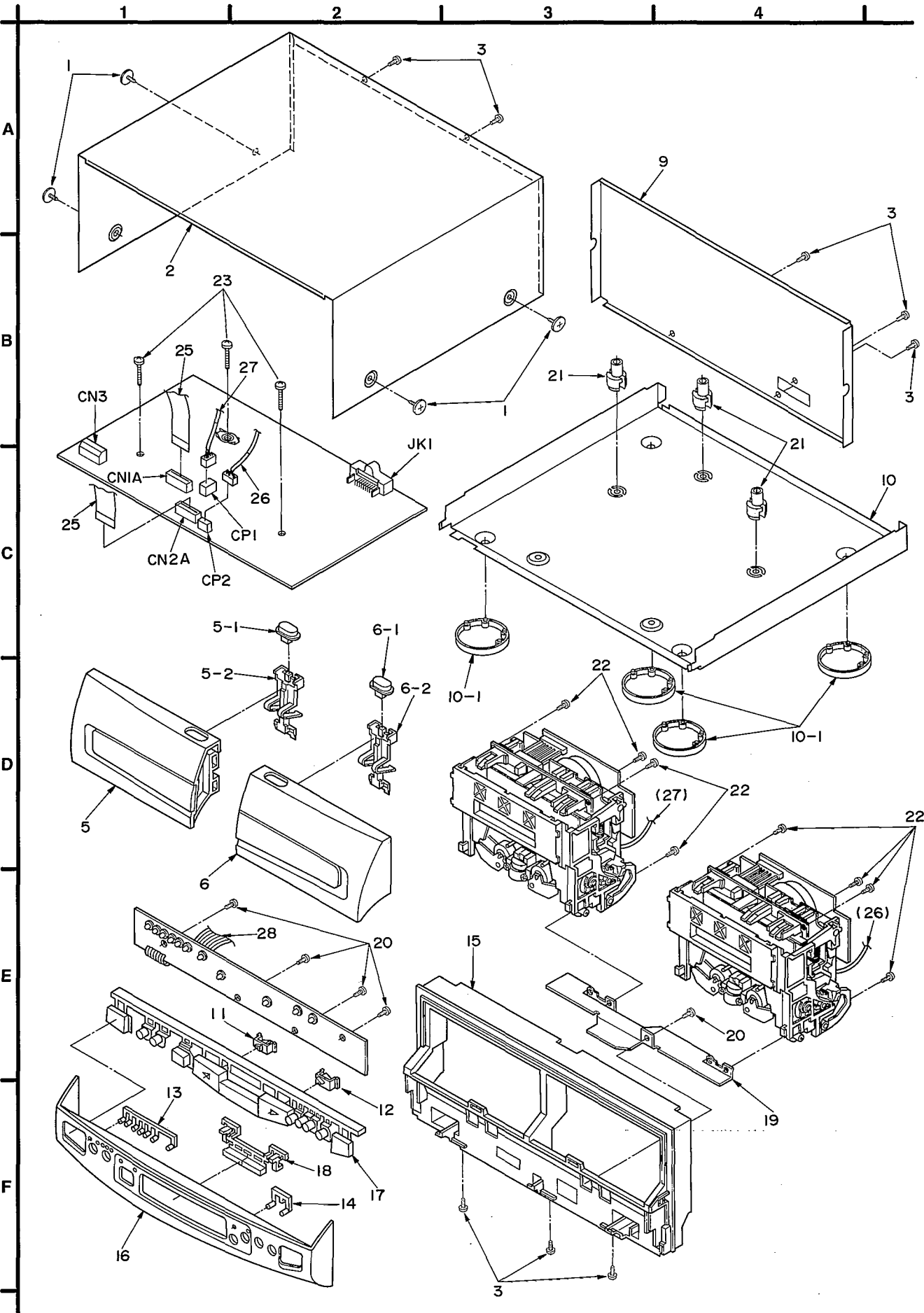
Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		COMPONENT COMBINATION(S)		CN1A	RJS1A6814	SOCKET (14P)	
				CN2A	RJS1A6814	SOCKET (14P)	
Z801, 802	EXBF7L355SYV	COMPONENT COMBINATION		CN1B	RJS1A6714	SOCKET (14P)	
Z971A	EXBF6L306SYV	COMPONENT COMBINATION		CN2B	RJS1A6714	SOCKET (14P)	
		COIL(S)		CP1	RJP3G18ZA	CONNECTOR (3P)	
				CP2	RJP4G18ZA	CONNECTOR (4P)	
				CP801	RJS2A0205-2S	CONNECTOR (5P)	
L101, 102	SLQX303-1KT	COIL		CP802	RJS2A0205-2S	CONNECTOR (5P)	
L301, 302	SL09B4-K	COIL		CP803	RJP3G17ZA	SOCKET (3P)	
L401, 402	RLQB103JT-Y	COIL		CP804	RJP4G17ZA	SOCKET (4P)	
		OSCILLATOR(S)		CS971	RJU071H09M	SOCKET (9P) (DECK1)	
				CS971A	RJU071H11M	SOCKET (11P) (DECK2)	
X701	EFOEC8004T4	OSCILLATOR (8MHZ)		P801, 802	RJR0113	CONNECTOR (4P)	
		SWITCH(ES)		P901	REZ0630	FLAT CABLE	
						EARTH TERMINAL	
S801	RSH1A024-U	SW, OPEN DETECTOR (DECK1)		E1	SNE1004-1	GND PLATE	
S802	RSH1A024-U	SW, CLOSE DETECTOR (DECK1)				JACK	
S803	RSH1A024-U	SW, OPEN DETECTOR (DECK2)					
S804	RSH1A024-U	SW, CLOSE DETECTOR (DECK2)					
S900	EVQ21405R	SW, STOP		JK1	RJT065K15	CONNECTOR (15P)	
S901	EVQ21405R	SW, FF					
S902	EVQ21405R	SW, REW					
S903	EVQ21405R	SW, FWD DIRECTION					
S904	EVQ21405R	SW, REV DIRECTION					
S905	EVQ21405R	SW, REC PAUSE					
S906	EVQ21405R	SW, EDIT (X1)					
S907	EVQ21405R	SW, EDIT (X2)					
S908	EVQ21405R	SW, OPEN (DECK2)					
S909	EVQ21405R	SW, OPEN (DECK1)					
S910	EVQ21405R	SW, DOLBY NR					
S911	EVQ21405R	SW, REV MODE					
S912	EVQ21405R	SW, DECK 1/2					
S913	EVQ21405R	SW, CLOSE (DECK1)					
S914	EVQ21405R	SW, CLOSE (DECK2)					
S915	EVQ21405R	SW, CCRT					
S971	RSH1A018-U	SW, MODE (DECK1)					
S971A	RSH1A018-U	SW, MODE (DECK2)					
S972	RSH1A019-U	SW, HALF (DECK1)					
S972A	RSH1A019-U	SW, HALF (DECK2)					
S973	RSH1A019-U	SW, ATS/C+02 (DECK1)					
S973A	RSH1A019-U	SW, ATS/C+02 (DECK2)					
S974A	RSH1A019-U	SW, R. REC. INH (DECK2)					
S975A	RSH1A019-U	SW, F. REC. INH (DECK2)					
S976A	RSH1A019-U	SW, ATS/METAL (DECK2)					
		CONNECTOR(S)					
CN3	RJS10T4ZA	SOCKET (10P)					
CN801	RJT071H09A	CONNECTOR (9P)					
CN802	RJT071H11A	CONNECTOR (11P)					

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k (OHM)

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
		RESISTORS						
R1, 2	ERDS2TJ224T	1/4W 220K	R335	ERDS2TJ562	1/4W 5.6K	R751, 752	ERDS2TJ272T	1/4W 2.7K
R11-14	ERDS2TJ225	1/4W 2.2M	R337, 338	ERDS2TJ393	1/4W 39K	R777	ERDS2TJ103	1/4W 10K
R15, 16	ERDS2TJ224T	1/4W 220K	R340	ERD2FCVG150T	1/4W 15 Δ	R801, 802	ERDS2TJ151	1/4W 150
R18	ERDS2TJ473	1/4W 47K	R351	ERDS2TJ331	1/4W 330	R803	ERDS2TJ153	1/4W 15K
R109, 110	ERDS2TJ101	1/4W 100	R352	ERDS2TJ102	1/4W 1K	R804	ERDS2TJ103	1/4W 10K
R111, 112	ERDS2TJ472	1/4W 4.7K	R353	ERDS2TJ333	1/4W 33K	R805	ERDS2TJ392T	1/4W 3.9K
R113, 114	ERDS2TJ272T	1/4W 2.7K	R354, 355	ERDS2TJ270T	1/4W 27	R806	ERDS2TJ123	1/4W 12K
R115, 116	ERDS2TJ224T	1/4W 220K	R356, 357	ERDS2TJ562	1/4W 5.6K	R807	ERDS2TJ103	1/4W 10K
R117, 118	ERDS2TJ682T	1/4W 6.8K	R358	ERDS2TJ272T	1/4W 2.7K	R808	ERDS2TJ392T	1/4W 3.9K
R119, 120	ERDS2TJ152	1/4W 1.5K	R371	ERDS2TJ102	1/4W 1K	R811, 812	ERDS2TJ474	1/4W 470K
R121-124	ERDS2TJ104	1/4W 100K	R401, 402	ERDS2TJ272T	1/4W 2.7K	R813, 814	ERDS2TJ2R2T	1/4W 2.2
R125, 126	ERDS2TJ562	1/4W 5.6K	R403, 404	ERDS2TJ562	1/4W 5.6K	R815, 816	ERDS2TJ473	1/4W 47K
R127, 128	ERDS2TJ153	1/4W 15K	R405, 406	ERDS2TJ682T	1/4W 6.8K	R817, 818	ERDS2TJ471	1/4W 470
R129, 130	ERDS2TJ473	1/4W 47K	R407, 408	ERDS2TJ223	1/4W 22K	R900	ERDS2TJ821	1/4W 820
R131, 132	ERDS2TJ223	1/4W 22K	R409, 410	ERDS2TJ104	1/4W 100K	R901	ERDS2TJ102	1/4W 1K
R133, 134	ERDS2TJ151	1/4W 150	R411, 412	ERDS2TJ221	1/4W 220	R902	ERDS2TJ122	1/4W 1.2K
R135-138	ERDS2TJ271	1/4W 270	R413, 414	ERDS2TJ104	1/4W 100K	R903	ERDS2TJ152	1/4W 1.5K
R139, 140	ERDS2TJ123	1/4W 12K	R415, 416	ERDS2TJ123	1/4W 12K	R904	ERDS2TJ182	1/4W 1.8K
R141, 142	ERDS2TJ222	1/4W 2.2K	R417, 418	ERDS2TJ394	1/4W 390K	R905	ERDS2TJ222	1/4W 2.2K
R143	ERDS2TJ475T	1/4W 4.7M	R421-424	ERDS2TJ680T	1/4W 68	R906	ERDS2TJ332	1/4W 3.3K
R144	ERDS2TJ331	1/4W 330	R426	ERDS2TJ103	1/4W 10K	R907	ERDS2TJ472	1/4W 4.7K
R145	ERDS2TJ104	1/4W 100K	R601, 602	ERDS2TJ472	1/4W 4.7K	R908	ERDS2TJ682T	1/4W 6.8K
R146	ERDS2TJ472	1/4W 4.7K	R603	ERDS2TJ331	1/4W 330	R909	ERDS2TJ123	1/4W 12K
R147, 148	ERDS2TJ222	1/4W 2.2K	R604	ERDS2TJ561	1/4W 560	R910	ERDS2TJ223	1/4W 22K
R149	ERDS2TJ471	1/4W 470	R605	ERD2FCVJ4R7T	1/4W 4.7 Δ	R911	ERDS2TJ683	1/4W 68K
R151, 152	ERDS2TJ103	1/4W 10K	R606	ERD2FCVJ5R6T	1/4W 5.6 Δ	R912, 913	ERDS2TJ102	1/4W 1K
R155-158	ERDS2TJ180T	1/4W 18	R607	ERD2FCVG100T	1/4W 10 Δ	R914-917	ERDS2TJ471	1/4W 470
R201, 202	ERDS2TJ103	1/4W 10K	R609	ERDS2TJ100	1/4W 10	R918-920	ERDS2TJ102	1/4W 1K
R203	ERDS2TJ331	1/4W 330	R610	ERDS2TJ152	1/4W 1.5K	R921, 922	ERDS2TJ272T	1/4W 2.7K
R204	ERDS2TJ472	1/4W 4.7K	R611, 612	ERDS2TJR47T	1/4W 0.47	R971	ERDS2TJ221	1/4W 220
R205	ERDS2TJ823T	1/4W 82K	R614	ERDS2TJ222	1/4W 2.2K	R971A	ERDS2TJ221	1/4W 220
R206	ERDS2TJ682T	1/4W 6.8K	R615	ERDS2TJ332	1/4W 3.3K	R973, 974	ERDS2TJ393	1/4W 39K
R207	ERDS2TJ393	1/4W 39K	R616	ERDS2TJ103	1/4W 10K	R973A, 974A	ERDS2TJ393	1/4W 39K
R208	ERDS2TJ102	1/4W 1K	R618, 619	ERDS2TJR47T	1/4W 0.47	R1009	ERDS2TJ332	1/4W 3.3K
R209, 210	ERDS2TJ123	1/4W 12K	R625	ERDS2TJ100	1/4W 10			CAPACITORS
R301	ERDS2TJ1R0	1/4W 1.0	R626, 627	ERDS2TJR47T	1/4W 0.47			
R302, 303	ERDS2TJ103	1/4W 10K	R701	ERDS2TJ470	1/4W 47	C1, 2	ECBT1H561KB5	50V 560P
R304, 305	ERDS2TJ100	1/4W 10	R702	ERDS2TJ103	1/4W 10K	C11, 12	ECBT1H102KB5	50V 1000P
R307	ERDS2TJ153	1/4W 15K	R703	ERDS2TJ104	1/4W 100K	C13, 14	ECBT1H4R7KC5	50V 4.7P
R308	ERDS2TJ473	1/4W 47K	R704-710	ERDS2TJ103	1/4W 10K	C15, 16	ECBT1H561KB5	50V 560P
R309	ERDS2TJ272T	1/4W 2.7K	R712	ERDS2TJ103	1/4W 10K	C17, 18	ECBT1H102KB5	50V 1000P
R310	ERDS2TJ472	1/4W 4.7K	R714-730	ERDS2TJ103	1/4W 10K	C27	ECBT1H102KB5	50V 1000P
R331	ERDS2TJ561	1/4W 560	R731-733	ERDS2TJ104	1/4W 100K	C101	ECA1AM471B	10V 470U
R332	ERDS2TJ680T	1/4W 68	R734	ERDS2TJ472	1/4W 4.7K	C102	ECEA1CKA100B	16V 10U
R333	ERDS2TJ103	1/4W 10K	R736-738	ERDS2TJ103	1/4W 10K	C103, 104	ECQB1H153JF3	50V 0.015U
R334	ERDS2TJ563	1/4W 56K	R740	ERDS2TJ103	1/4W 10K	C105, 106	ECEA0JKA101B	6.3V 100U
			R741-744	ERDS2TJ272T	1/4W 2.7K	C107, 108	ECEA1CKA100B	16V 10U
			R745, 746	ERDS2TJ104	1/4W 100K	C109, 110	ECEA1HKAR47B	50V 0.47U
			R747, 748	ERDS2TJ103	1/4W 10K			

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks			
C111, 112	ECEA1AKA220B	10V 22U	C431, 432	ECEA1EKA4R7B	25V 4.7U			
C113, 114	ECEA1HKA2R2B	50V 2.2U	C435, 436	ECEA1EKA4R7B	25V 4.7U			
C115, 116	ECEA1EKA4R7B	25V 4.7U	C437	ECEA1HKA100B	50V 10U			
C117, 118	ECEA0JKA470B	6.3V 47U	C601, 602	ECFR1H104ZF	50V 0.1U			
C119, 120	ECEA1HKAR22B	50V 0.22U	C603	ECEA1EU222B	25V 2200U Δ			
C121-124	ECQB1H392JF3	50V 3900P	C604	ECA1EM102B	25V 1000U Δ			
C125, 126	ECQB1H183JF3	50V 0.018U	C605	ECA1EM102B	25V 1000U Δ			
C127, 128	ECQB1H103JF3	50V 0.01U	C606	ECBT1E103ZF	25V 0.01U			
C129, 130	ECBT1H181KB5	50V 180P	C607	ECEA1AKA101B	10V 100U			
C131	ECA1AM471B	10V 470U	C608	ECEA1AKA221Q	10V 220U			
C132, 133	ECBT1H470J5	50V 47P	C609, 610	ECBT1E103ZF	25V 0.01U			
C134	ECEA1CKA100B	16V 10U	C611	ECEA1HKA010B	50V 1U			
C135	ECEA0JKA101B	6.3V 100U	C612	ECKR2H682PE	500V 6800P			
C136	ECQB1H393JF3	50V 0.039U	C613	ECEA1AJ470	10V 47U			
C137, 138	ECEA1EKA4R7B	25V 4.7U	C614, 615	ECBT1E103ZF	25V 0.01U			
C139, 140	ECBT1H561KB5	50V 560P	C701, 702	ECBT1E103ZF	25V 0.01U			
C141, 142	ECKR2H121KB5	500V 120P	C703	ECEA0JU102	6.3V 1000U			
C145, 146	ECQB1H821JF3	50V 820P	C704, 705	ECBT1E103ZF	25V 0.01U			
C147, 148	ECBT1E103ZF	25V 0.01U	C706	ECEA1HKAR33B	50V 0.33U			
C149, 150	ECBT1H102KB5	50V 1000P	C707	ECEA1HKAR22B	50V 0.22U			
C151, 152	ECEA1EKA4R7B	25V 4.7U	C731	ECBT1E103ZF	25V 0.01U			
C153	ECQB1H332JF3	50V 3300P	C777	ECEA1HKA3R3B	50V 3.3U			
C201	ECQB1H822JF3	50V 8200P	C801, 802	ECBT1E223ZF	25V 0.022U			
C202	ECEA1HKA3R3B	50V 3.3U	C803	ECEA1VKA470B	35V 47U			
C203	ECBT1H470J5	50V 47P	C804	ECEA1AKA101B	10V 100U			
C204, 205	ECBT1E103ZF	25V 0.01U	C805, 806	ECBT1H104ZF5	50V 0.1U			
C206	ECEA1HKA2R2B	50V 2.2U	C807	ECEA1VKA470B	35V 47U			
C301	ECQP1103JZ3	100V 0.01U	C808	ECEA1AKA101B	10V 100U			
C341	ECFR1E183KR	25V 0.018U	C811, 812	ECBT1H101KB5	50V 100P			
C342-344	ECKD1H682KB	50V 6800P	C813, 814	ECBT1H104ZF5	50V 0.1U			
C345	ECBT1E103ZF	25V 0.01U	C815-818	ECBT1H101KB5	50V 100P			
C346	ECEA1CKA220B	16V 22U	C819, 820	ECEA1VKA470B	35V 47U			
C348	ECEA1HKA010B	50V 1U	C901	ECBT1H470J5	50V 47P			
C349, 350	ECBT1H221KB5	50V 220P	C902	ECBT1H104ZF5	50V 0.1U			
C351	ECEA1EKA4R7B	25V 4.7U	C903	ECBT1H470J5	50V 47P			
C352	ECBT1E103ZF	25V 0.01U						
C356, 357	ECKR1H392KB5	50V 3900P						
C358	ECQP1681JZ3	16V 680P						
C359	ECEA1EKA4R7B	25V 4.7U						
C360, 361	ECKR1H392KB5	50V 3900P						
C371	ECBT1E103ZF	25V 0.01U						
C401, 402	ECBT1H391KB5	50V 390P						
C403, 404	ECBT1C332KR5	16V 3300P						
C407, 408	ECQV1H124JM3	50V 0.12U						
C409, 410	ECBA1H681KB5	50V 680P						
C411, 412	ECEA1HKAR22B	50V 0.22U						
C415, 416	ECA1AM471B	10V 470U						
C417, 418	ECQB1H222JF3	50V 2200P						
C419, 420	ECEA1CKA100B	16V 10U						
C423, 424	ECEA1HKA010B	50V 1U						
C425, 426	ECQB1H152JF3	50V 1500P						
C427, 428	ECEA1HKAR47B	50V 0.47U						

■ Cabinet Parts Location



Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS				MECHANISM PARTS	
						DECK1 (PLAYBACK)	
1	RHD30007	SCREW		101	RXF0045	FLY WHEEL (F) ASS' Y	
2	RMD202C-1K	CABINET		101-1	RMQ0420	WASHER	
3	XTBS3+8JFZ1	SCREW		102	RXF0046	FLY WHEEL (R) ASS' Y	
5	RYF0229-K	CASSETTE LID ASS' Y (L)		102-1	RMQ0421	WASHER	
5-1	RGU0958-K	BUTTON, CLOSE		103	RML0272	SWITCH LEVER	
5-2	RMD1110	CLOSE ROD		104	RXQ0265	HEAD BASE ASS' Y	
6	RYF0230-K	CASSETTE LID ASS' Y (R)		104-1	RMB0266	SPRING	
6-1	RGU0958-K	BUTTON, CLOSE		104-2	RXMD036	ROD	
6-2	RMD1110	CLOSE ROD		105	RGK0582-K	ORNAMENT PLATE	
9	RGR0147A-K	REAR PANEL		106	RXQ0317	HEAD ASS' Y (P. B)	
10	RFKJSCH404EK	BOTTOM BOARD ASS' Y		106-1	RHD17015	AZIMUTH ADJUSTMENT SCREW	
10-1	RKA0011A-2	FOOT		106-2	RMB0265-1	SPRING	
11	RGL0214-Q	PANEL LIGHT (R. PLAY)		106-3	RMQ0360A	CONNECTOR HOLDER	
12	RGL0215-Q	PANEL LIGHT (F. PLAY)		107	RDV108ZA	BELT	
13	RGL0216-Q	PANEL LIGHT (A)		108	RDK0019A	MAIN GEAR	
14	RGL0217-Q	PANEL LIGHT (B)		109	RMB0261	SPRING	
15	RGPO345-K	FRONT GRILL		110	RMB0262	SPRING	
16	RGPO346-K	FRONT PANEL		111	RMB0263	SPRING	
17	RGU0956-K	BUTTON, PLAY etc.		112	RMB0264	SPRING	
18	RGU0957-K	BUTTON, FF/REW etc.		113	RMB0312	SPRING	
19	RMA0725	MECHANISM ANGLE		114	RML0267A	LEVER	
20	XTBS26+8J	SCREW		115	RML0268A	LEVER	
21	SHE185-2	P. C. B. SPACER		116	RMD0091A	BRAKE ROD	
22	XTB3+10JFZ	SCREW		117	RMS0398	PLUNGER	
23	XTB3+16JFZ	SCREW		118	RSJ0003	SOLENOID	
25	REZ0604	FLAT CABLE (14P)		119	RUS6092C	SPRING	
26	REX0539	LEAD WIRE (4P)		120	RXG0036	REEL TABLE GEAR	
27	REX0540	LEAD WIRE (3P)		121	RXL0106	IDLER LEVER	
28	REZ0630	FLAT CABLE (P901)		122	RXP0052	PINCH ROLLER (F) ASS' Y	
				122-1	RMB0259	SPRING	
				123	RXP0053	PINCH ROLLER (R) ASS' Y	
				123-1	RMB0260	SPRING	
				124	RDG0206A	GEAR	
				125	RDG0209A	GEAR	
				126	REM0036	CAPSTAN MOTOR	
				127	REM0043	REEL MOTOR	
				128	RHD26013	SCREW	
				129	RMCO169	SPRING	
				130	RMQ0314A	SPACER	
				131	RXG0037	GEAR ASS' Y	
				132	RMQ0401	STABILIZER	
				133	RML0275A	LIFT ARM	
				134	RMB0269	SPRING	
				135	RML0270A	LEVER	
				136	RMQ0312A	DRIVE GEAR	
				137	RMB0268	SPRING	
				138	RML0271A	LEVER	
				139	XTW2+6S	SCREW	
				140	RXR0018	REEL TABLE	

Mechanism Parts Location •DECK 1 (PLAYBACK)

Ref.No.	Part No.	Part Name & Description	Remarks	Ref.No.	Part No.	Part Name & Description	Remarks
141	XTW2+5L	SCREW		231	FXG0037	GEAR ASS'Y	
142	XTW26+12S	SCREW		232	RMQ0401	STABILIZER	
143	XTW26+6L	SCREW		233	RML0275A	LIFT ARM	
144	RMB0324	STABILIZER SPRING		234	RMB0269	SPRING	
145	RFKJSC404AK	SUB CHASSIS ASS'Y		235	RML0270A	LEVER	
146	RFKJSC404BK	CHASSIS ASS'Y		236	RMQ0312A	DRIVE GEAR	
147	RDG0212A	LIFT GEAR		237	RMB0268	SPRING	
148	RGQ0121-K	LIFTER		238	RML0271A	LEVER	
149	RKF0334-K	CASSETTE HOLDER		239	XTW2+6S	SCREW	
		MECHANISM PARTS		240	FXR0018	REEL TABLE	
		DECK2 (REC./PLAYBACK)		241	XTW2+5L	SCREW	
201	RKF0045	FLY WHEEL (F) ASS'Y		242	XTW26+12S	SCREW	
201-1	RMQ0420	WASHER		243	XTW26+6L	SCREW	
202	RKF0046	FLY WHEEL (R) ASS'Y		244	RMB0324	STABILIZER SPRING	
202-1	RMQ0421	WASHER		245	RFKJSC404AK	SUB CHASSIS ASS'Y	
203	RML0272	SWITCH LEVER		246	RFKJSC404BK	CHASSIS ASS'Y	
204	RGQ0265	HEAD BASE ASS'Y		247	RDG0212A	LIFT GEAR	
204-1	RMB0266	SPRING		248	RGQ0121-K	LIFTER	
204-2	RGQ0036	ROD		249	RKF0334-K	CASSETTE HOLDER	
205	RGD0582-K	ORNAMENT PLATE					
206	RGQ0316	HEAD ASS'Y (R/P)					
206-1	RHD17015	AZIMUTH ADJUSTMENT SCREW					
206-2	RMB0265-1	SPRING					
206-3	RMQ0360A	CONNECTOR HOLDER					
207	RDV1087A	BELT					
208	RDK0019A	MAIN GEAR					
209	RMB0261	SPRING					
210	RMB0262	SPRING					
211	RMB0263	SPRING					
212	RMB0264	SPRING					
213	RMB0312	SPRING					
214	RML0267A	LEVER					
215	RML0268A	LEVER					
216	RMQ091A	BRAKE ROD					
217	RMS0398	PLUNGER					
218	RSJ0003	SOLENOID					
219	RUS6092C	SPRING					
220	FXG0036	REEL TABLE GEAR					
221	FXL0106	IDLER LEVER					
222	RXP0052	PINCH ROLLER (F) ASS'Y					
222-1	RMB0259	SPRING					
223	RXP0053	PINCH ROLLER (R) ASS'Y					
223-1	RMB0260	SPRING					
224	RDG0206A	GEAR					
225	RDG0209A	GEAR					
226	REM0036	CAPSTAN MOTOR					
227	REM0043	REEL MOTOR					
228	RHD26013	SCREW					
229	RMQ0169	SPRING					
230	RMQ0314A	SPACER					

