ORDER NO. AD9307217C8

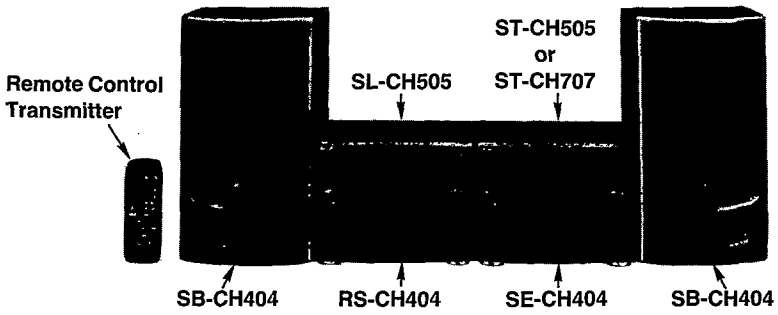
Service Manual

Cassette Deck

*1 DOLBY B NR

Cassette Deck

RS-CH404



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

Colour

(K) .... Black Type

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)	Permalloy head
(erasure)	Double gap ferrite head
Motors (capstan/reel table drive)	DC servo motor
(reel table drive)	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:

1. Weights and dimensions shown are approximate.
2. 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

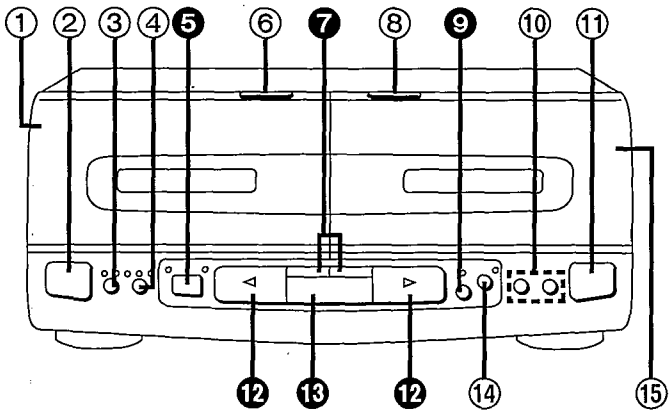
Technics

■ Contents

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 ❺) can also be activated from the remote control.



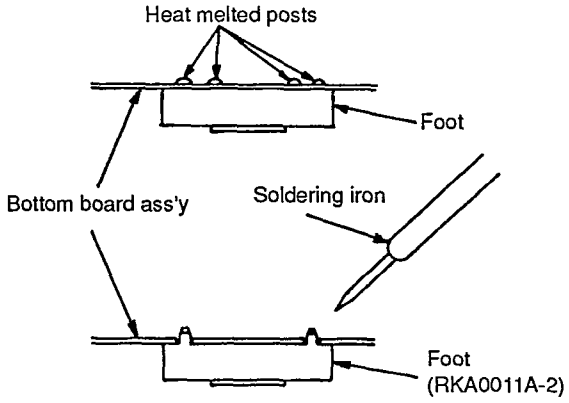
No.	*Name*
①	**Deck 1 cassette holder**
②	**Deck 1 cassette holder open button (▲ OPEN)**
③	**Dolby noise reduction button and indicators (DOLBY NR)**
④	**Reverse mode button and indicators (REVERSE MODE)**
❺	**Deck 1/deck 2 select button and indicators (DECK 1/2)**
⑥	**Deck 1 cassette holder close button (CLOSE)**
❼	**Fast forward/rewind/tape program sensor buttons [◀◀ (TPS), (TPS) ▶▶]**
⑧	**Deck 2 cassette holder close button (CLOSE)**
❾	**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.

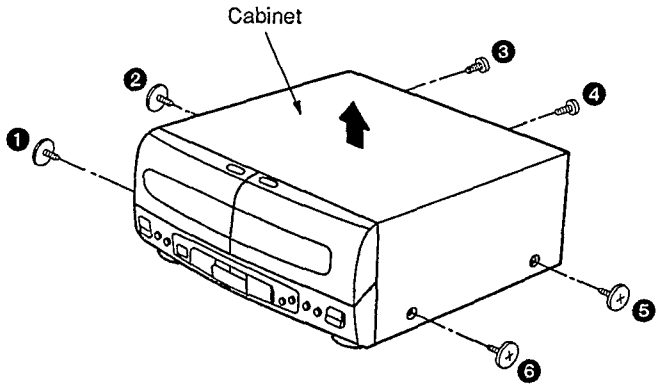
• Replacement of the Foot

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.

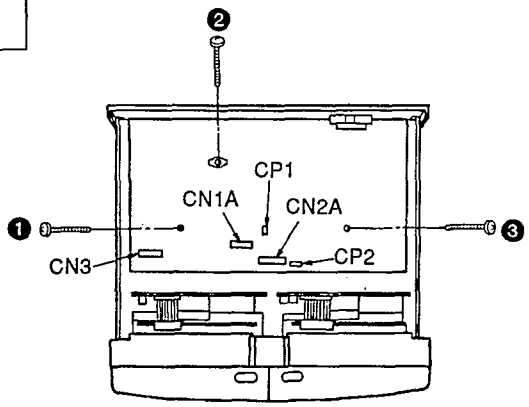


Ref. No. 1	Removal of the Cabinet
Procedure 1	

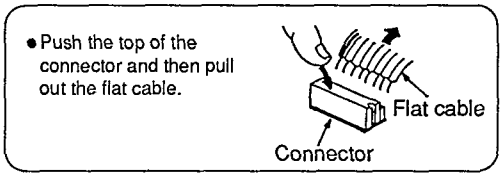
1. Remove the 6 screws (❶~❻).
2. Remove the cabinet in the direction of arrow.

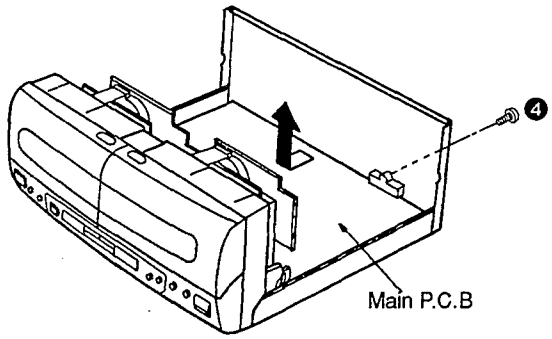


Ref. No. 2	Removal of the Main P.C.B.
Procedure 1→2	



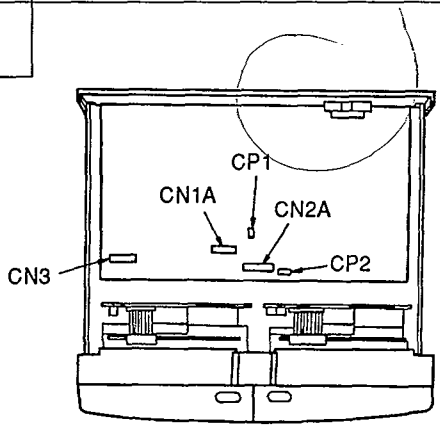
1. Remove the 3 flat cables (CN1A, CN2A, CN3).
2. Remove the 2 connectors (CP1, CP2).
3. Remove the 3 screws (❶~❸).



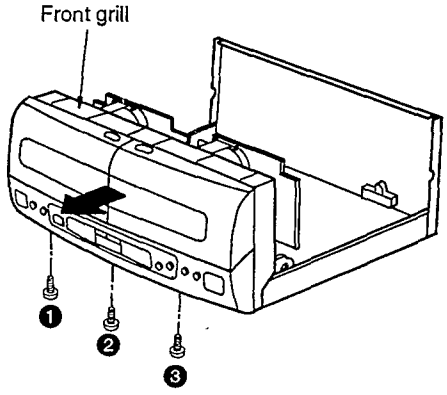


4. Remove the 1 screws (❹).
5. Remove the main P.C.B. in the direction of arrow.

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

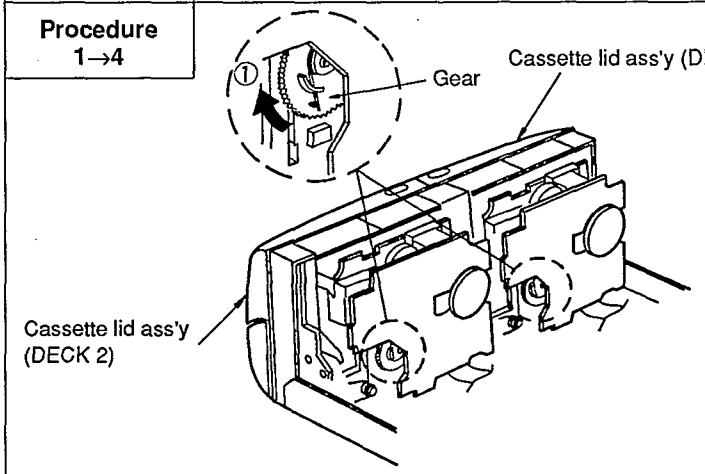


1. Remove the 3 flat cables (CN1A, CN2A, CN3).
2. Remove the 2 connectors (CP1, CP2).

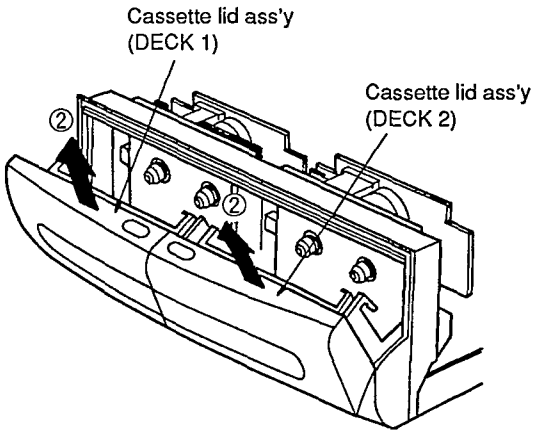


3. Remove the 3 screws (❶~❸).
4. Remove the front grill in the direction of arrow.

Ref. No. 4	Removal of the Cassette Lid Ass'y (DECK 1 and DECK 2)
Procedure 1→4	

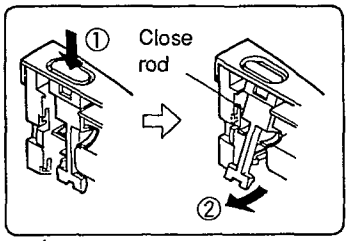


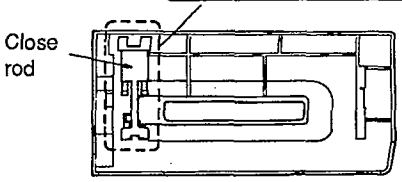
1. Turn the gear in the direction of arrow ①, and open the cassette lid ass'y.



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)
Procedure 1→3→4→5	

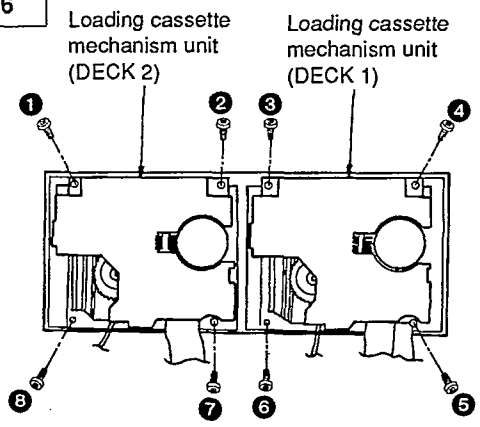




※The cassette lid ass'y for DECK 1 is illustrated. For the cassette lid ass'y for DECK 2, perform the same procedure of removal for DECK 1.

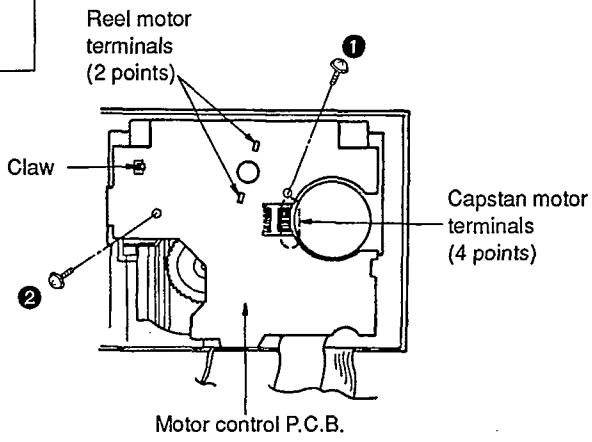
- Push the close rod in the direction of arrow ①, and then remove the close rod in the direction of arrow ②.

Ref. No. 6	Removal of the Loading Cassette Mechanism units (DECK 1 and DECK 2)
Procedure 1→3→4→6	



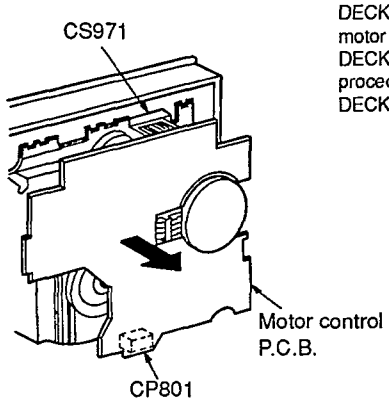
- Remove the 8 screws (❶~❽).

Ref. No. 7	Removal of the Motor Control P.C.B. (DECK 1 and DECK 2)
Procedure 1→3→7	



1. Unsolder the reel motor terminal (2 points).
2. Unsolder the capstan motor terminal (4 points).
3. Remove the 2 screws (❶, ❷).

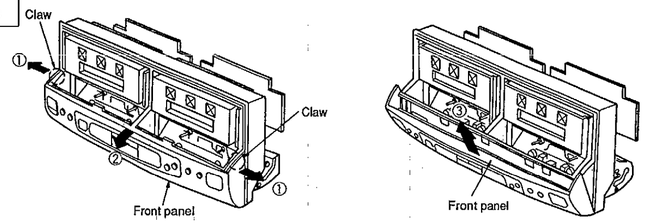
※The motor control P.C.B. for DECK 1 is illustrated. For the motor control P.C.B. for DECK 2, perform the same procedure of removal for DECK 1.



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 Oparation P.C.B.

Procedure 1→3→4→8

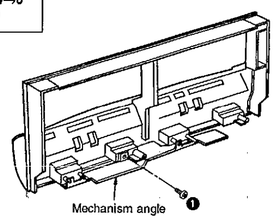


1. Release the 2 claws while stretching the front panel in the direction of arrow ①, and then tilt the front panel in the direction of arrow ②.

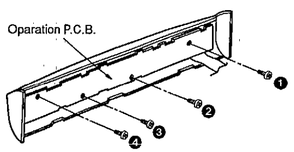
2. Remove the front panel in the direction of arrow ③.

Ref. No. 9 — Removal of the Mechanism angle

Procedure 1→3→4→6 →9



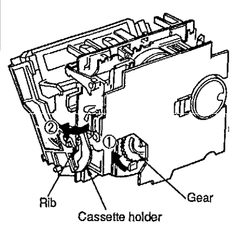
• Remove the 1 screw (❶).



3. Remove the 4 screws (❶~❹).

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.

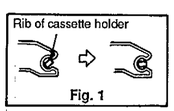
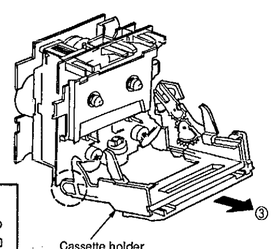


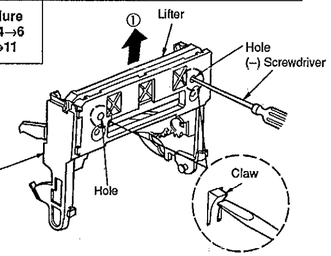
Fig. 1



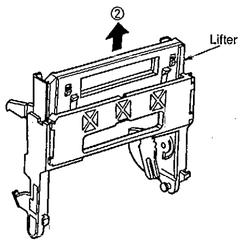
3. Open the cassette holder so that the rib of the cassette holder is located to the position as shown in Fig.1., and then pull out it in the direction of arrow ③.

Ref. No. 11 — Removal of the Lifter

Procedure 1→3→4→6 →10→11



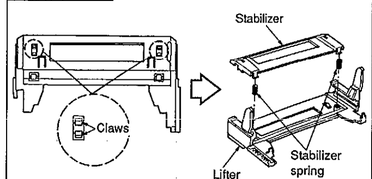
1. Insert the tip of (–) screwdriver to the 2 holes of the cassette holder to release the 2 claws of the lifter, and then remove the lifter in the direction of arrow ①.



2. Remove the lifter in the direction of arrow ②.

Ref. No. 12 — Removal of the Stabilizer and Stabilizer Spring

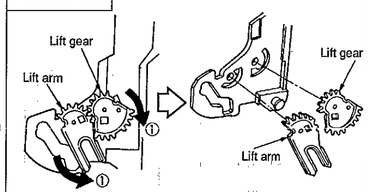
Procedure 1→3→4→6 →10→11→12



1. Release the 4 claws.
2. Remove the stabilizer and stabilizer spring.

Ref. No. 13 — Removal of the Lift Arm and Lift Gear

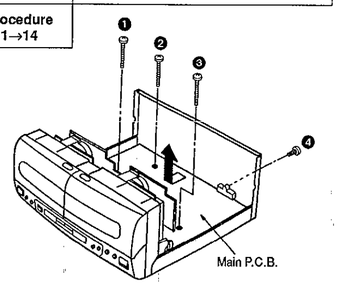
Procedure 1→3→4→6 →10→11→13



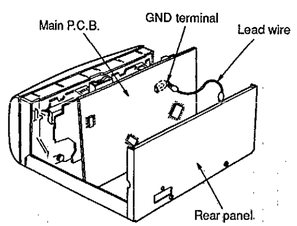
1. Turn the lift arm and the lift gear fully in the direction of arrow ①.
2. Remove the lift arm and lift gear.

Ref. No. 14 — How to check the Main P.C.B.

Procedure 1→14



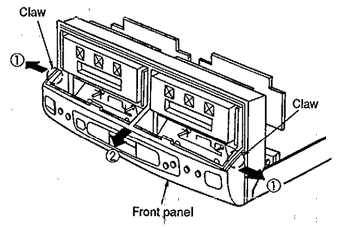
1. Remove the 4 screws (❶~❹).
2. Remove the main P.C.B. in the direction of arrow.



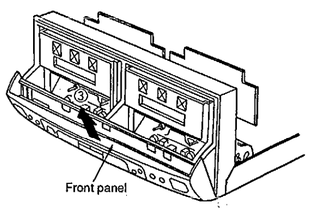
3. Connect the GND terminal to the rear panel by the lead wire.
4. When checking the soldered surfaces of main P.C.B. and replacing the parts, do as show.

Ref. No. 15 — How to check the Operation P.C.B.

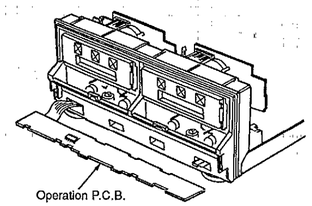
Procedure 1→4→15



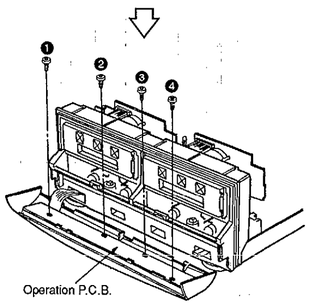
1. Release the 2 claws while stretching the front panel in the direction of arrow ①, and then tilt the front panel in the direction of arrow ②.



2. Remove the front panel in the direction of arrow ③.

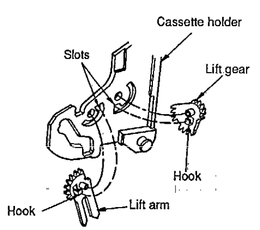


4. When checking the soldered surfaces of operation P.C.B. and replacing the parts, do as show.

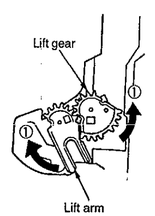


3. Remove the 4 screws (❶~❹).

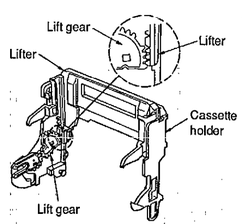
■ HOW TO INSTALL THE LIFTER



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.



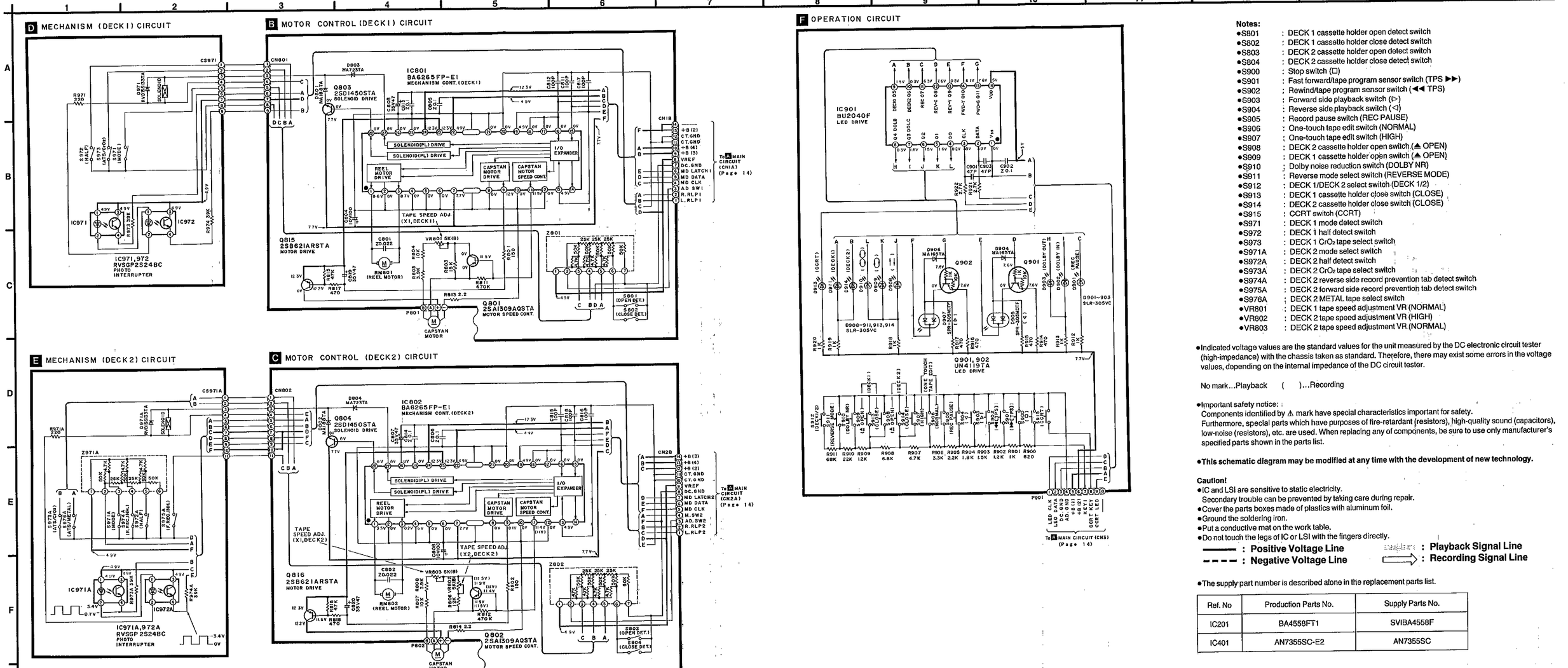
3. Turn the lift arm and the lift gear fully in the direction of arrow ①.



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

RS-CH404 RS-CH404

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



Notes:

- •S801 : DECK 1 cassette holder open detect switch
- •S802 : DECK 1 cassette holder close detect switch
- •S803 : DECK 2 cassette holder open detect switch
- •S804 : DECK 2 cassette holder close detect switch
- •S900 : Stop switch (□)
- •S901 : Fast forward/tape program sensor switch (TPS ▶▶)
- •S902 : Rewind/tape program sensor switch (◀◀ TPS)
- •S903 : Forward side playback switch (▷)
- •S904 : Reverse side playback switch (◁)
- •S905 : Record pause switch (REC PAUSE)
- •S906 : One-touch tape edit switch (NORMAL)
- •S907 : One-touch tape edit switch (HIGH)
- •S908 : DECK 2 cassette holder open switch (⏏ OPEN)
- •S909 : DECK 1 cassette holder open switch (⏏ OPEN)
- •S910 : Dolby noise reduction switch (DOLBY NR)
- •S911 : Reverse mode select switch (REVERSE MODE)
- •S912 : DECK 1/DECK 2 select switch (DECK 1/2)
- •S913 : DECK 1 cassette holder close switch (CLOSE)
- •S914 : DECK 2 cassette holder close switch (CLOSE)
- •S915 : CCRT switch (CCRT)
- •S971 : DECK 1 mode detect switch
- •S972 : DECK 1 half detect switch
- •S973 : DECK 1 CrO_2 tape select switch
- •S971A : DECK 2 mode select switch
- •S972A : DECK 2 half detect switch
- •S973A : DECK 2 CrO_2 tape select switch
- •S974A : DECK 2 reverse side record prevention tab detect switch
- •S975A : DECK 2 forward side record prevention tab detect switch
- •S976A : DECK 2 METAL tape select switch
- •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.

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

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.

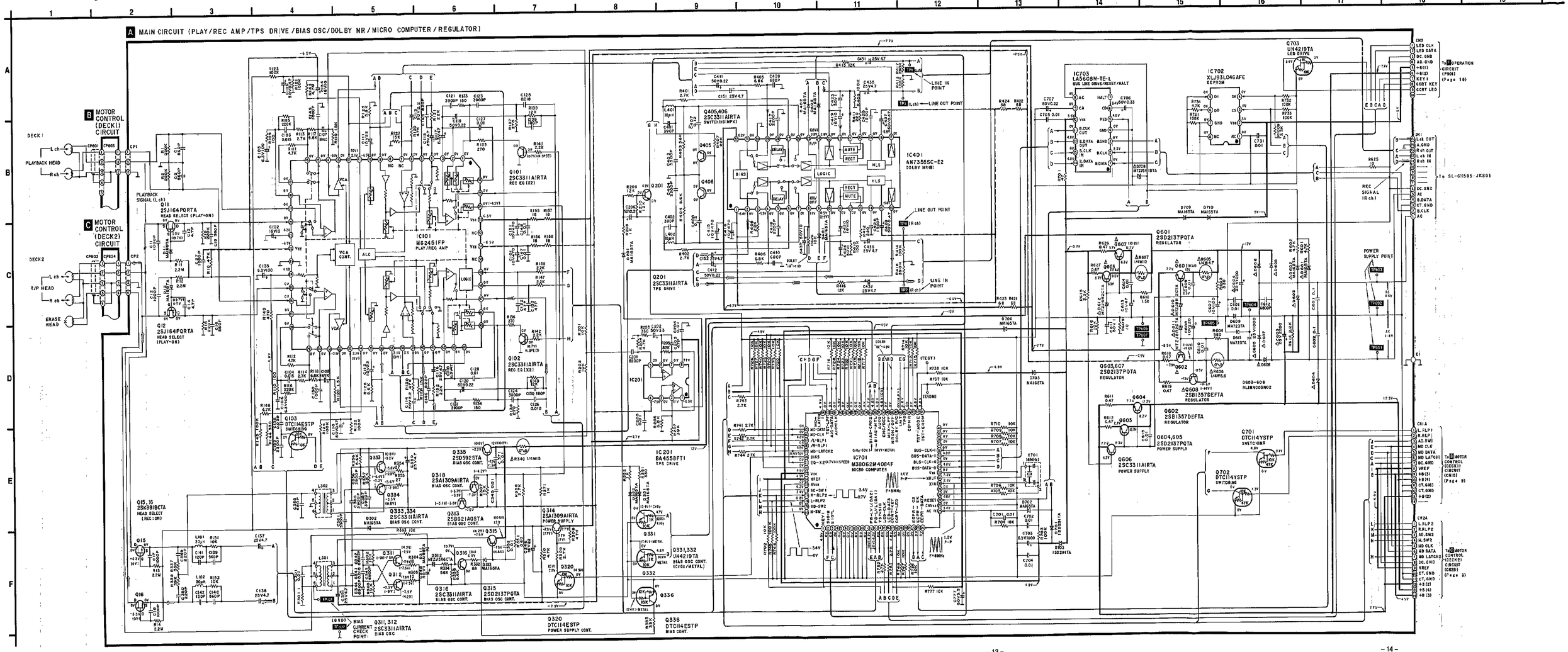
——— : Positive Voltage Line
- - - - : Negative Voltage Line
⟹ : Playback Signal Line
⟹ : Recording Signal Line

•The supply part number is described alone in the replacement parts list.

Ref. No	Production Parts No.	Supply Parts No.
IC201	BA4558FT1	SVIBA4558F
IC401	AN7355SC-E2	AN7355SC

RS-CH404 RS-CH404

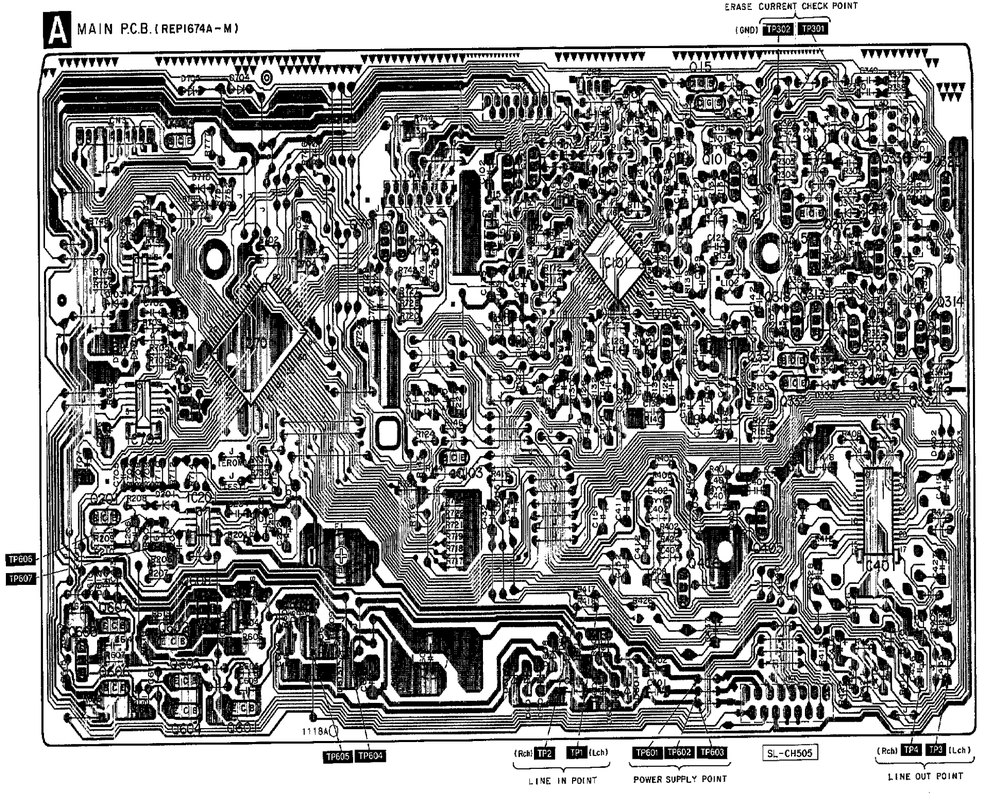
■ Schematic Diagram •Main, Motor Control (DECK1)/(DECK2) Circuit (Parts list on pages 27~30)



RS-CH404 RS-CH404

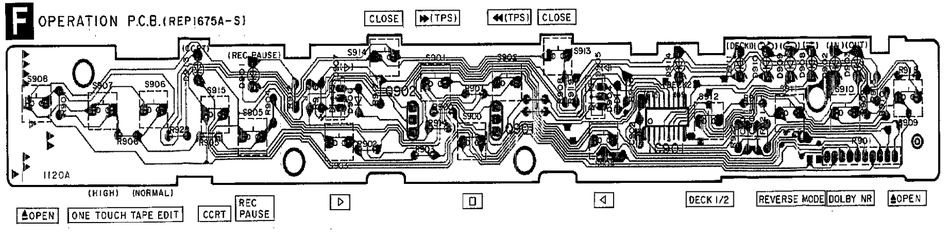
■ Printed Circuit Board Diagram

A MAIN P.C.B. (REPI674A-M)

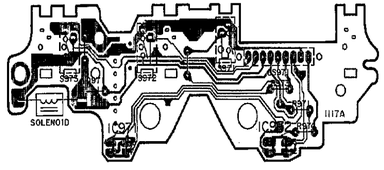


•This printed circuit board diagram may be modified at any time with the development of new technology.

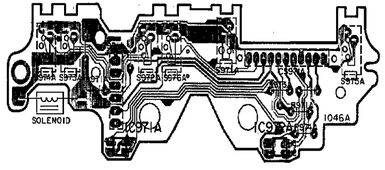
F OPERATION P.C.B. (REPI675A-S)



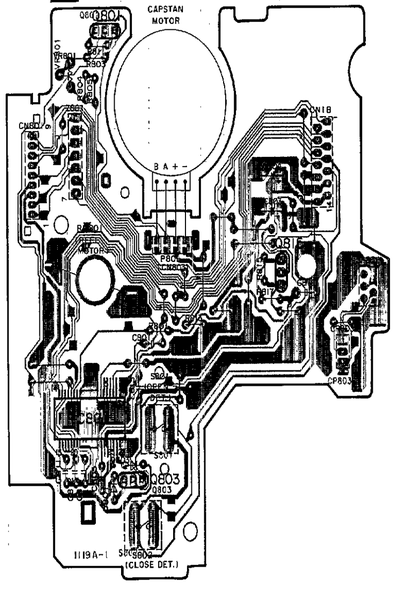
D MECHANISM (DECK1) P.C.B. (REPI655A)



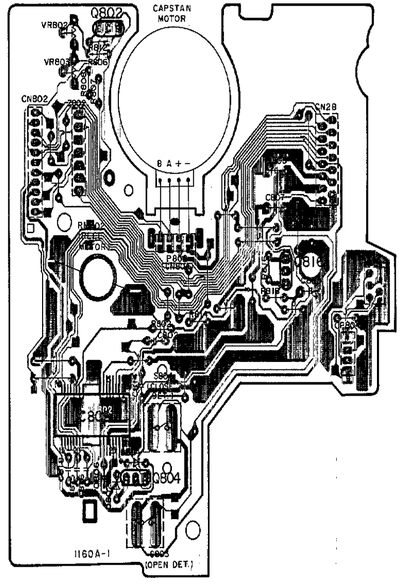
E MECHANISM (DECK2) P.C.B. (REPI656A)



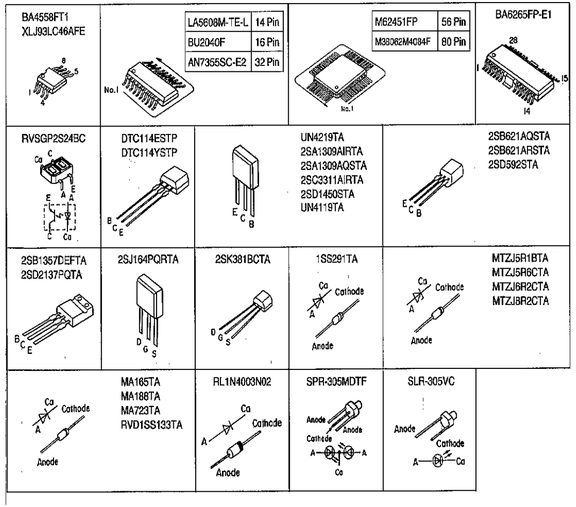
B MOTOR CONTROL (DECK1) P.C.B. (REPI676A-T)



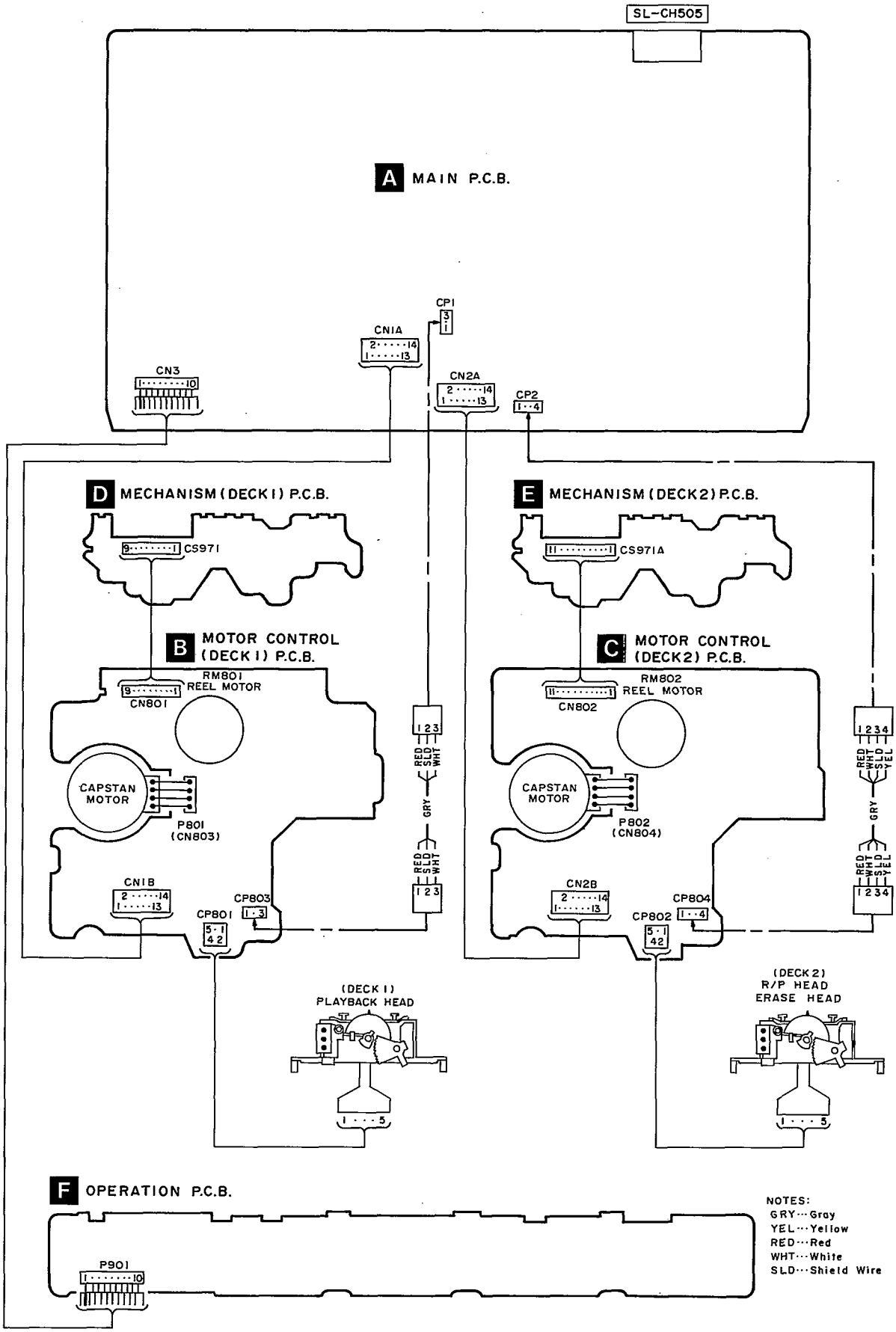
C MOTOR CONTROL (DECK2) P.C.B. (REPI677A-T)



•Terminal guide of IC's, transistors and diodes



■ 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.

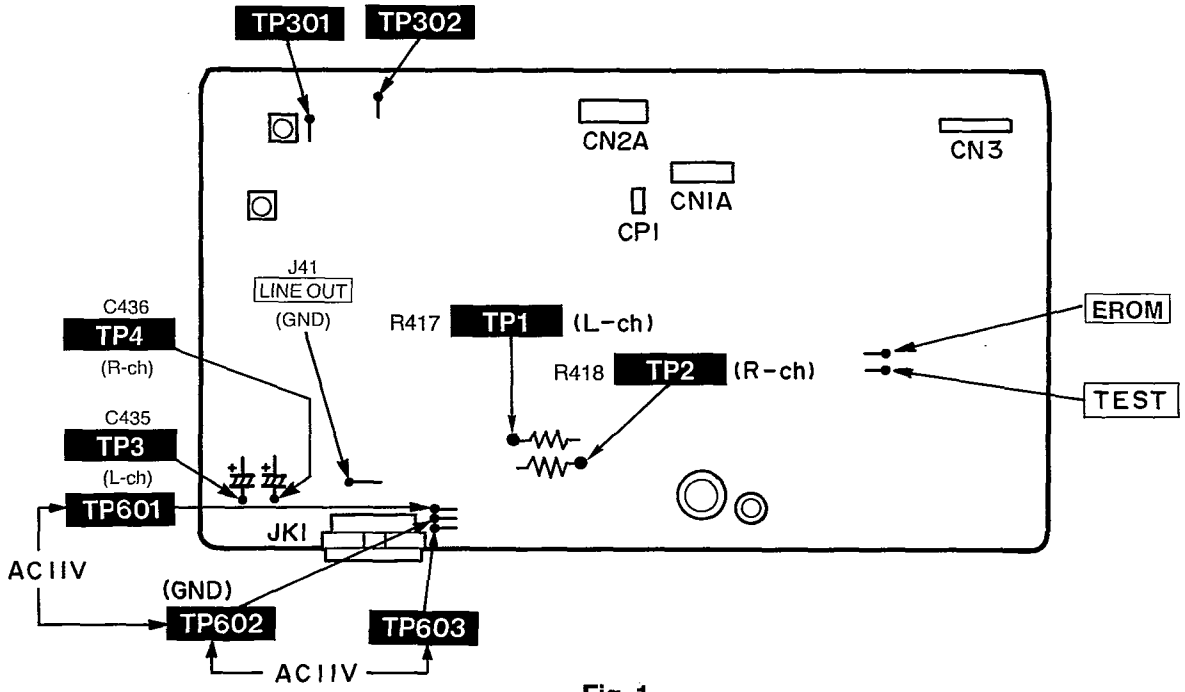


Fig. 1

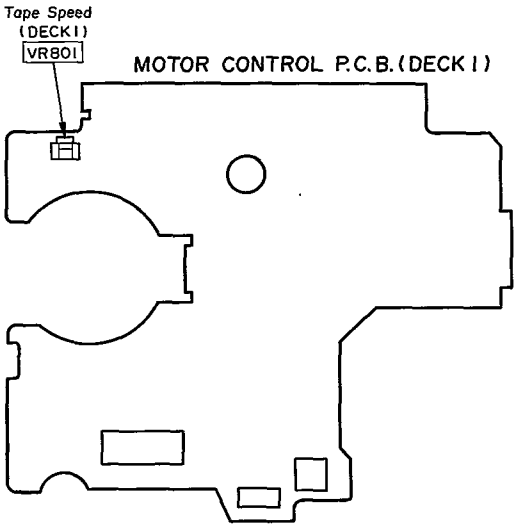


Fig. 2

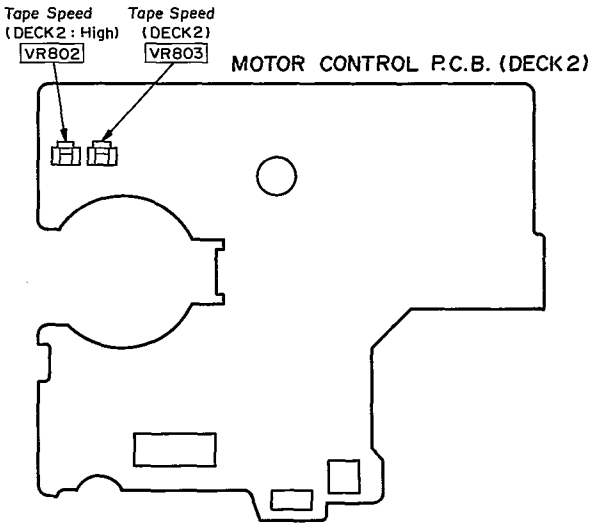


Fig. 3

Measurement Condition

- Reverse-mode selector switch; ⇄
- Dolby NR switch; OFF
- Make sure heads are clean.
- Make sure capstan and pressure roller are clean.
- Judgeable room temperature 20±5°C (68±9°F)

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
- 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.

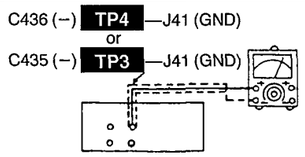


Fig. 4

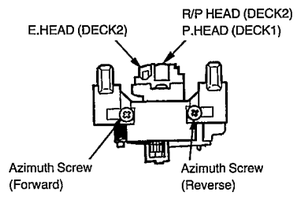


Fig. 5

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.

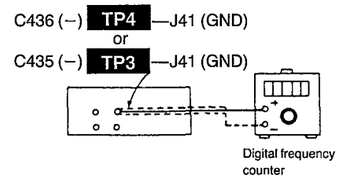


Fig. 6

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.)

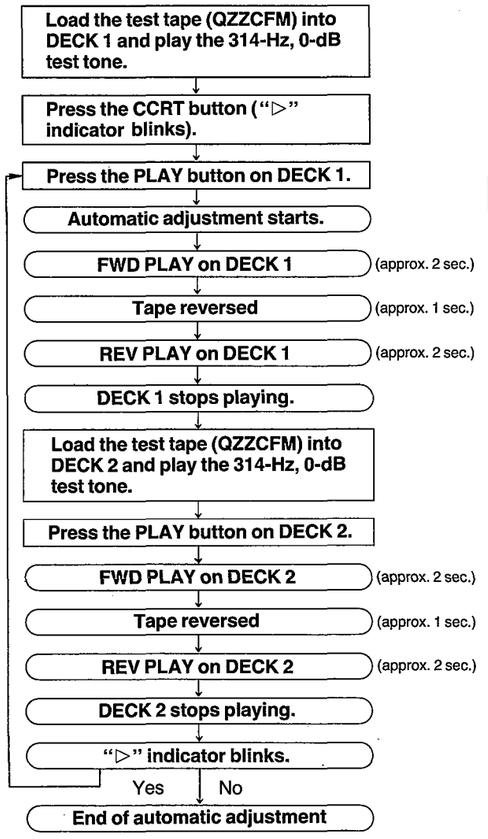
Playback gain adjustment
Rec./Play frequency response & gain adjustment
— Microprocessor (IC501) (Auto adjustment) — EEPROM (IC502) (Data memory)
— Conventionally adjusted with potentiometers.

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.)

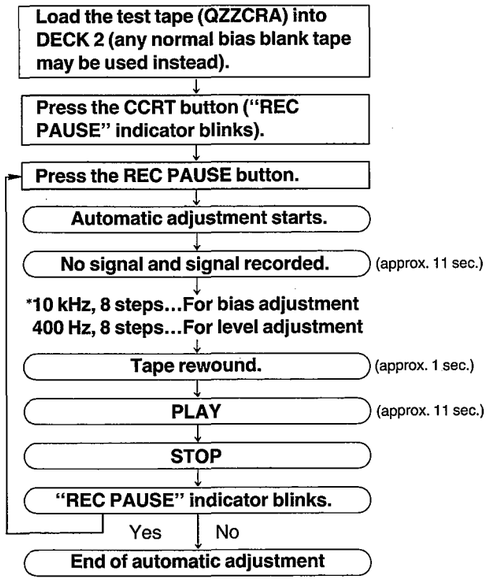
•Preparations for Adjustment

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

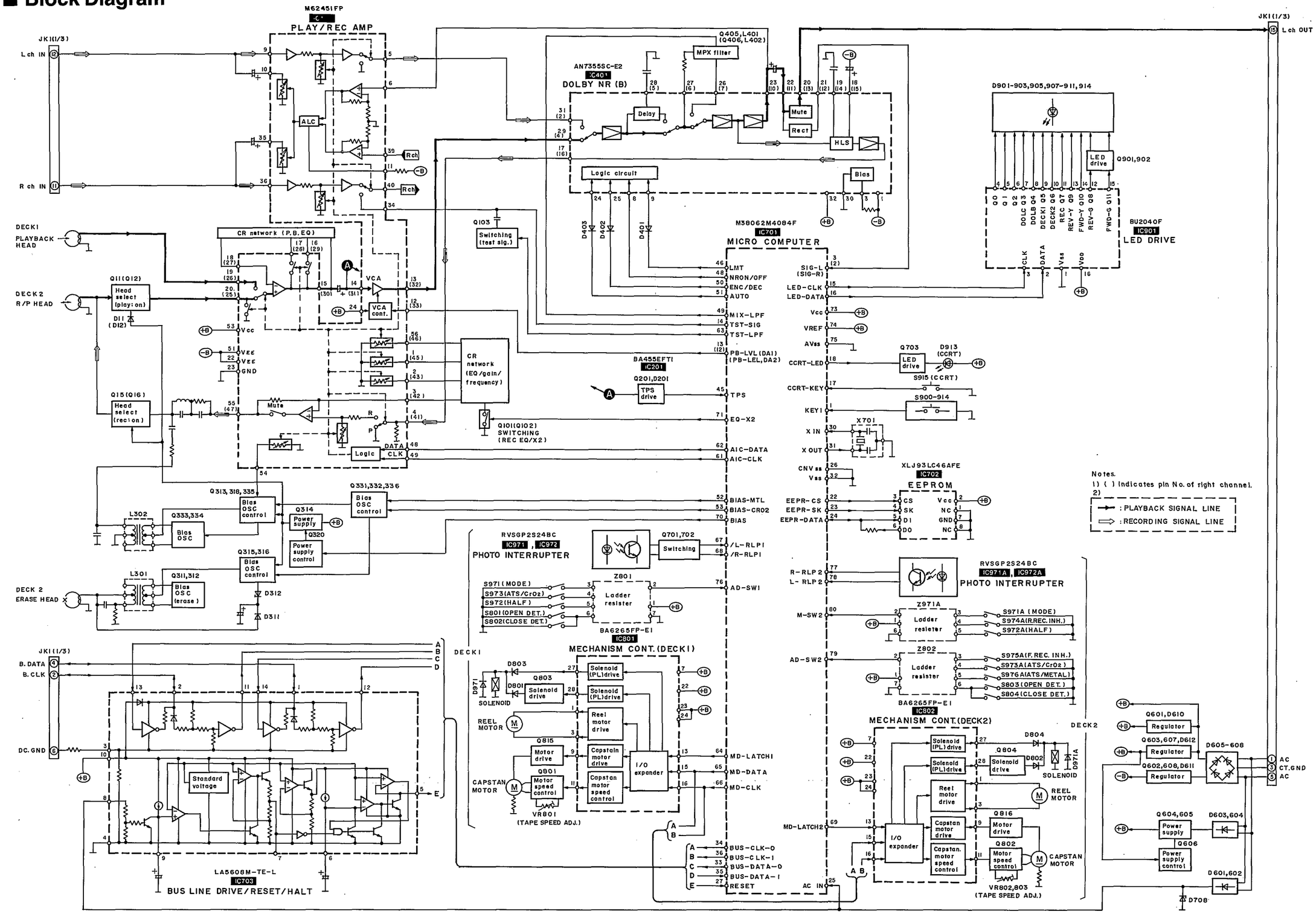
•Post Auto-adjustment Checks

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.

■ Block Diagram



■ 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
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
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 expandor lach signal output
14	S.O.	O	I/O expandor serial output
15	DATA	I	I/O expandor data input
16	CLK	I	I/O expandor 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 ⚠ 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
		INTEGRATED CIRCUIT(S)	
IC101	M62451FP	I. C, REC. /PLAYBACK AMP.	
IC201	SVIBA4558F	I. C, TPS DRIVE	
IC401	AN7355SC	I. C, DOLBY NR	
IC701	M38062M4084F	I. C, MICRO COMPUTER	
IC702	XLJ93LC46AFE	I. C, EEPROM	
IC703	LA5608M-TE-L	I. C, BUS LINE/HALT/RESET	
IC801, 802	BA6265FP-E1	I. C, MECHANISM CONT.	
IC901	BU2040F	I. C, LED DRIVE	
		PHOTO SENSOR(S)	
IC971	RVSGP2S24BC	I. C, PHOTO SENSOR(DECK1)	
IC971A	RVSGP2S24BC	I. C, PHOTO SENSOR(DECK2)	
IC972	RVSGP2S24BC	I. C, PHOTO SENSOR(DECK1)	
IC972A	RVSGP2S24BC	I. C, PHOTO SENSOR(DECK2)	
		TRANSISTOR(S)	
Q11, 12	2SJ164PQRTA	TRANSISTOR	
Q15, 16	2SK381BCDTA	TRANSISTOR	
Q101, 102	2SC3311AIRTA	TRANSISTOR	
Q103	DTC114ESTP	TRANSISTOR	
Q201	2SC3311AIRTA	TRANSISTOR	
Q311, 312	2SC3311AIRTA	TRANSISTOR	
Q313	2SB621AQSTA	TRANSISTOR	
Q314	2SA1309AIRTA	TRANSISTOR	
Q315	2SD2137PQTA	TRANSISTOR	
Q316	2SC3311AIRTA	TRANSISTOR	
Q318	2SA1309AIRTA	TRANSISTOR	
Q320	DTC114ESTP	TRANSISTOR	
Q331, 332	UN4219TA	TRANSISTOR	
Q333, 334	2SC3311AIRTA	TRANSISTOR	
Q335	2SD592NCR	TRANSISTOR	
Q336	DTC114ESTP	TRANSISTOR	
Q405, 406	2SC3311AIRTA	TRANSISTOR	
Q601	2SD2137PQTA	TRANSISTOR	⚠
Q602	2SB1357DEFTA	TRANSISTOR	⚠
Q603	2SD2137PQTA	TRANSISTOR	⚠
Q604, 605	2SD2137PQTA	TRANSISTOR	
Q606	2SC3311AIRTA	TRANSISTOR	
Q607	2SD2137PQTA	TRANSISTOR	⚠
Q608	2SB1357DEFTA	TRANSISTOR	⚠
Q701, 702	DTC114YSTP	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q703	UN4219TA	TRANSISTOR	
Q801, 802	2SA1309A-R	TRANSISTOR	
Q803, 804	2SD1450RTA	TRANSISTOR	
Q815, 816	2SB621A-R	TRANSISTOR	
Q901, 902	UN4119	TRANSISTOR	
		DIODE(S)	
D11, 12	MA188TA	DIODE	
D201	MA165	DIODE	
D302	MA165	DIODE	
D311	MA188TA	DIODE	
D312	MTZJ5R6CTA	DIODE	
D313	MA165	DIODE	
D351, 352	MA165	DIODE	
D401-403	MA165	DIODE	
D601, 602	MA165	DIODE	⚠
D603-608	RL1N4003N02	DIODE	
D609	MA723TA	DIODE	
D610, 611	MTZJ8R2CTA	DIODE	⚠
D612	MTZJ6R2CTA	DIODE	⚠
D613	MA723TA	DIODE	
D701	1SS291TA	DIODE	
D702	MA165	DIODE	
D703	1SS291TA	DIODE	
D704, 705	MA165	DIODE	
D708	MTZJ5R1BTA	DIODE	⚠
D709, 710	MA165	DIODE	
D801, 802	MA188TA	DIODE	
D803, 804	MA723TA	DIODE	
D901-903	SLR-305VC	DIODE LED	
D904	MA165	DIODE	
D905	SPR-305MDTF	DIODE LED	
D906	MA165	DIODE	
D907	SPR-305MDTF	DIODE LED	
D908-911	SLR-305VC	DIODE LED	
D913, 914	SLR-305VC	DIODE LED	
D971A	RVD1SS133TA	DIODE(DECK1)	
D971A	RVD1SS133TA	DIODE(DECK2)	
		VARIABLE RESISTOR(S)	
VR801	EVNDCAA03B53	V. R, TAPE SPEED ADJ. (X1)	
VR802	EVNDCAA03B53	V. R, TAPE SPEED ADJ. (X2)	
VR803	EVNDCAA03B53	V. R, TAPE SPEED ADJ. (X1)	

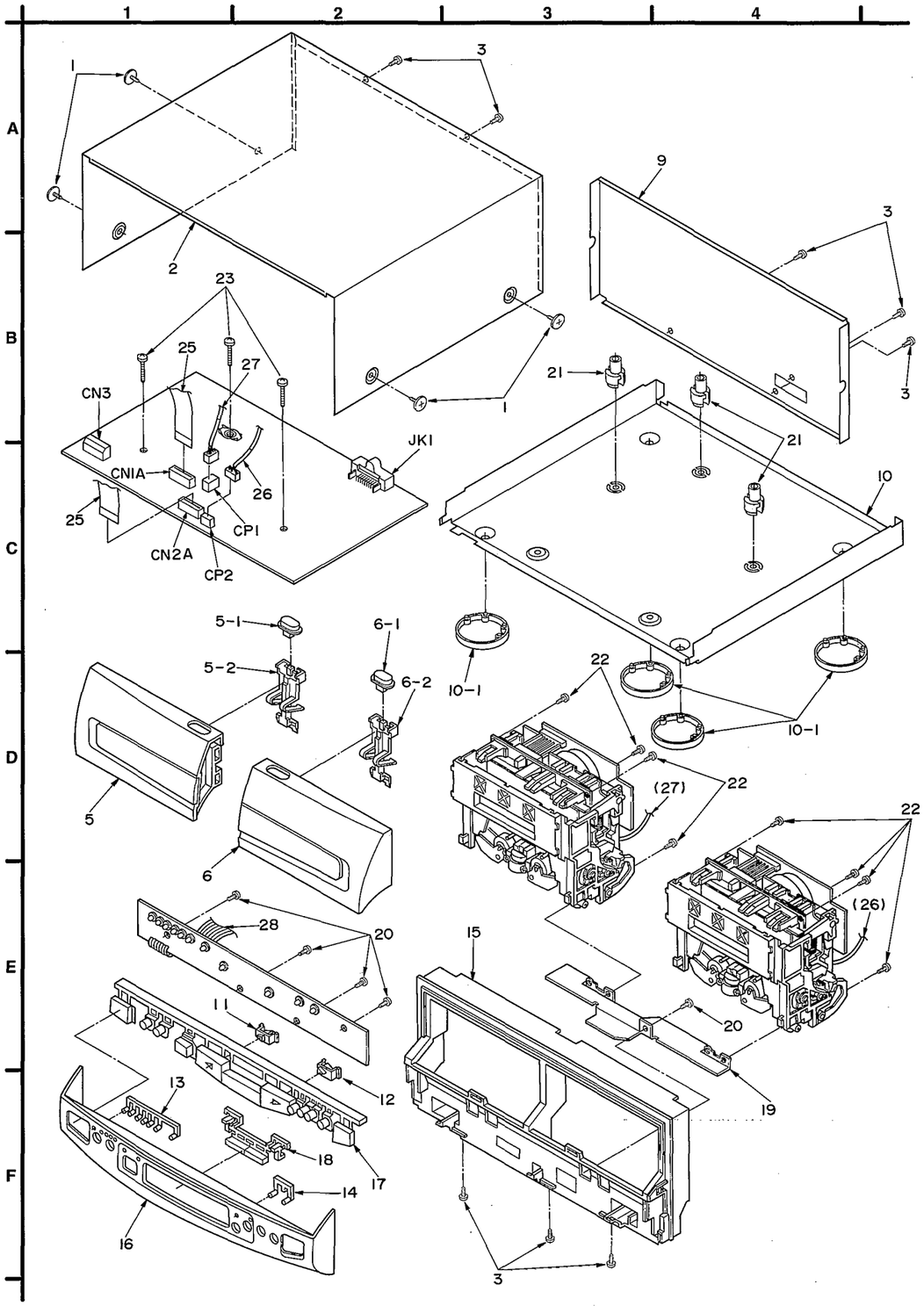
Ref. No.	Part No.	Part Name & Description	Remarks
		COMPONENT COMBINATION(S)	
Z801, 802	EXBF7L355SYV	COMPONENT COMBINATION	
Z971A	EXBF6L306SYV	COMPONENT COMBINATION	
		COIL(S)	
L101, 102	SLQX303-1KT	COIL	
L301, 302	SL09B4-K	COIL	
L401, 402	RLQB103JT-Y	COIL	
		OSCILLATOR(S)	
X701	EFOEC8004T4	OSCILLATOR(8MHZ)	
		SWITCH(ES)	
S801	RSH1A024-U	SW, OPEN DETECTOR(DECK1)	
S802	RSH1A024-U	SW, CLOSE DETECTOR(DECK1)	
S803	RSH1A024-U	SW, OPEN DETECTOR(DECK2)	
S804	RSH1A024-U	SW, CLOSE DETECTOR(DECK2)	
S900	EVQ21405R	SW, STOP	
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/CrO2(DECK1)	
S973A	RSH1A019-U	SW, ATS/CrO2(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)	

Ref. No.	Part No.	Part Name & Description	Remarks
CN1A	RJS1A6814	SOCKET(14P)	
CN2A	RJS1A6814	SOCKET(14P)	
CN1B	RJS1A6714	SOCKET(14P)	
CN2B	RJS1A6714	SOCKET(14P)	
CP1	RJP3G18ZA	CONNECTOR(3P)	
CP2	RJP4G18ZA	CONNECTOR(4P)	
CP801	RJS2A0205-2S	CONNECTOR(5P)	
CP802	RJS2A0205-2S	CONNECTOR(5P)	
CP803	RJP3G17ZA	SOCKET(3P)	
CP804	RJP4G17ZA	SOCKET(4P)	
CS971	RJU071H09M	SOCKET(9P) (DECK1)	
CS971A	RJU071H11M	SOCKET(11P) (DECK2)	
P801, 802	RJR0113	CONNECTOR(4P)	
P901	REZ0630	FLAT CABLE	
		EARTH TERMINAL	
E1	SNE1004-1	GND PLATE	
		JACK	
JK1	RJT065K15	CONNECTOR(15P)	

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
		RESISTORS
R1, 2	ERDS2TJ224T	1/4W 220K
R11-14	ERDS2TJ225	1/4W 2.2M
R15, 16	ERDS2TJ224T	1/4W 220K
R18	ERDS2TJ473	1/4W 47K
R109, 110	ERDS2TJ101	1/4W 100
R111, 112	ERDS2TJ472	1/4W 4.7K
R113, 114	ERDS2TJ272T	1/4W 2.7K
R115, 116	ERDS2TJ224T	1/4W 220K
R117, 118	ERDS2TJ682T	1/4W 6.8K
R119, 120	ERDS2TJ152	1/4W 1.5K
R121-124	ERDS2TJ104	1/4W 100K
R125, 126	ERDS2TJ562	1/4W 5.6K
R127, 128	ERDS2TJ153	1/4W 15K
R129, 130	ERDS2TJ473	1/4W 47K
R131, 132	ERDS2TJ223	1/4W 22K
R133, 134	ERDS2TJ151	1/4W 150
R135-138	ERDS2TJ271	1/4W 270
R139, 140	ERDS2TJ123	1/4W 12K
R141, 142	ERDS2TJ222	1/4W 2.2K
R143	ERDS2TJ475T	1/4W 4.7M
R144	ERDS2TJ331	1/4W 330
R145	ERDS2TJ104	1/4W 100K
R146	ERDS2TJ472	1/4W 4.7K
R147, 148	ERDS2TJ222	1/4W 2.2K
R149	ERDS2TJ471	1/4W 470
R151, 152	ERDS2TJ103	1/4W 10K
R155-158	ERDS2TJ180T	1/4W 18
R201, 202	ERDS2TJ103	1/4W 10K
R203	ERDS2TJ331	1/4W 330
R204	ERDS2TJ472	1/4W 4.7K
R205	ERDS2TJ823T	1/4W 82K
R206	ERDS2TJ682T	1/4W 6.8K
R207	ERDS2TJ393	1/4W 39K
R208	ERDS2TJ102	1/4W 1K
R209, 210	ERDS2TJ123	1/4W 12K
R301	ERDS2TJ1R0	1/4W 1.0
R302, 303	ERDS2TJ103	1/4W 10K
R304, 305	ERDS2TJ100	1/4W 10
R307	ERDS2TJ153	1/4W 15K
R308	ERDS2TJ473	1/4W 47K
R309	ERDS2TJ272T	1/4W 2.7K
R310	ERDS2TJ472	1/4W 4.7K
R331	ERDS2TJ561	1/4W 560
R332	ERDS2TJ680T	1/4W 68
R333	ERDS2TJ103	1/4W 10K
R334	ERDS2TJ563	1/4W 56K
R335	ERDS2TJ562	1/4W 5.6K
R337, 338	ERDS2TJ393	1/4W 39K
R340	ERD2FCVG150T	1/4W 15 ⚠
R351	ERDS2TJ331	1/4W 330
R352	ERDS2TJ102	1/4W 1K
R353	ERDS2TJ333	1/4W 33K
R354, 355	ERDS2TJ270T	1/4W 27
R356, 357	ERDS2TJ562	1/4W 5.6K
R358	ERDS2TJ272T	1/4W 2.7K
R371	ERDS2TJ102	1/4W 1K
R401, 402	ERDS2TJ272T	1/4W 2.7K
R403, 404	ERDS2TJ562	1/4W 5.6K
R405, 406	ERDS2TJ682T	1/4W 6.8K
R407, 408	ERDS2TJ223	1/4W 22K
R409, 410	ERDS2TJ104	1/4W 100K
R411, 412	ERDS2TJ221	1/4W 220
R413, 414	ERDS2TJ104	1/4W 100K
R415, 416	ERDS2TJ123	1/4W 12K
R417, 418	ERDS2TJ394	1/4W 390K
R421-424	ERDS2TJ680T	1/4W 68
R426	ERDS2TJ103	1/4W 10K
R601, 602	ERDS2TJ472	1/4W 4.7K
R603	ERDS2TJ331	1/4W 330
R604	ERDS2TJ561	1/4W 560
R605	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R606	ERD2FCVJ5R6T	1/4W 5.6 ⚠
R607	ERD2FCVG100T	1/4W 10 ⚠
R609	ERDS2TJ100	1/4W 10
R610	ERDS2TJ152	1/4W 1.5K
R611, 612	ERDS2TJR47T	1/4W 0.47
R614	ERDS2TJ222	1/4W 2.2K
R615	ERDS2TJ332	1/4W 3.3K
R616	ERDS2TJ103	1/4W 10K
R618, 619	ERDS2TJR47T	1/4W 0.47
R625	ERDS2TJ100	1/4W 10
R626, 627	ERDS2TJR47T	1/4W 0.47
R701	ERDS2TJ470	1/4W 47
R702	ERDS2TJ103	1/4W 10K
R703	ERDS2TJ104	1/4W 100K
R704-710	ERDS2TJ103	1/4W 10K
R712	ERDS2TJ103	1/4W 10K
R714-730	ERDS2TJ103	1/4W 10K
R731-733	ERDS2TJ104	1/4W 100K
R734	ERDS2TJ472	1/4W 4.7K
R736-738	ERDS2TJ103	1/4W 10K
R740	ERDS2TJ103	1/4W 10K
R741-744	ERDS2TJ272T	1/4W 2.7K
R745, 746	ERDS2TJ104	1/4W 100K
R747, 748	ERDS2TJ103	1/4W 10K
R751, 752	ERDS2TJ272T	1/4W 2.7K
R777	ERDS2TJ103	1/4W 10K
R801, 802	ERDS2TJ151	1/4W 150
R803	ERDS2TJ153	1/4W 15K
R804	ERDS2TJ103	1/4W 10K
R805	ERDS2TJ392T	1/4W 3.9K
R806	ERDS2TJ123	1/4W 12K
R807	ERDS2TJ103	1/4W 10K
R808	ERDS2TJ392T	1/4W 3.9K
R811, 812	ERDS2TJ474	1/4W 470K
R813, 814	ERDS2TJ2R2T	1/4W 2.2
R815, 816	ERDS2TJ473	1/4W 47K
R817, 818	ERDS2TJ471	1/4W 470
R900	ERDS2TJ821	1/4W 820
R901	ERDS2TJ102	1/4W 1K
R902	ERDS2TJ122	1/4W 1.2K
R903	ERDS2TJ152	1/4W 1.5K
R904	ERDS2TJ182	1/4W 1.8K
R905	ERDS2TJ222	1/4W 2.2K
R906	ERDS2TJ332	1/4W 3.3K
R907	ERDS2TJ472	1/4W 4.7K
R908	ERDS2TJ682T	1/4W 6.8K
R909	ERDS2TJ123	1/4W 12K
R910	ERDS2TJ223	1/4W 22K
R911	ERDS2TJ683	1/4W 68K
R912, 913	ERDS2TJ102	1/4W 1K
R914-917	ERDS2TJ471	1/4W 470
R918-920	ERDS2TJ102	1/4W 1K
R921, 922	ERDS2TJ272T	1/4W 2.7K
R971	ERDS2TJ221	1/4W 220
R971A	ERDS2TJ221	1/4W 220
R973, 974	ERDS2TJ393	1/4W 39K
R973A, 974A	ERDS2TJ393	1/4W 39K
R1009	ERDS2TJ332	1/4W 3.3K
		CAPACITORS
C1, 2	ECBT1H561KB5	50V 560P
C11, 12	ECBT1H102KB5	50V 1000P
C13, 14	ECBT1H4R7KC5	50V 4.7P
C15, 16	ECBT1H561KB5	50V 560P
C17, 18	ECBT1H102KB5	50V 1000P
C27	ECBT1H102KB5	50V 1000P
C101	ECA1AM471B	10V 470U
C102	ECEA1CKA100B	16V 10U
C103, 104	ECQB1H153JF3	50V 0.015U
C105, 106	ECEA0JKA101B	6.3V 100U
C107, 108	ECEA1CKA100B	16V 10U
C109, 110	ECEA1HKAR47B	50V 0.47U
C111, 112	ECEA1AKA220B	10V 22U
C113, 114	ECEA1HKA2R2B	50V 2.2U
C115, 116	ECEA1EKA4R7B	25V 4.7U
C117, 118	ECEA0JKA470B	6.3V 47U
C119, 120	ECEA1HKAR22B	50V 0.22U
C121-124	ECQB1H392JF3	50V 3900P
C125, 126	ECQB1H183JF3	50V 0.018U
C127, 128	ECQB1H103JF3	50V 0.01U
C129, 130	ECBT1H181KB5	50V 180P
C131	ECA1AM471B	10V 470U
C132, 133	ECBT1H470J5	50V 47P
C134	ECEA1CKA100B	16V 10U
C135	ECEA0JKA101B	6.3V 100U
C136	ECQB1H393JF3	50V 0.039U
C137, 138	ECEA1EKA4R7B	25V 4.7U
C139, 140	ECBT1H561KB5	50V 560P
C141, 142	ECKR2H121KB5	500V 120P
C145, 146	ECQB1H821JF3	50V 820P
C147, 148	ECBT1E103ZF	25V 0.01U
C149, 150	ECBT1H102KB5	50V 1000P
C151, 152	ECEA1EKA4R7B	25V 4.7U
C153	ECQB1H332JF3	50V 3300P
C201	ECQB1H822JF3	50V 8200P
C202	ECEA1HKA3R3B	50V 3.3U
C203	ECBT1H470J5	50V 47P
C204, 205	ECBT1E103ZF	25V 0.01U
C206	ECEA1HKA2R2B	50V 2.2U
C301	ECQP1103JZ3	100V 0.01U
C341	ECFR1E183KR	25V 0.018U
C342-344	ECKD1H682KB	50V 6800P
C345	ECBT1E103ZF	25V 0.01U
C346	ECEA1CKA220B	16V 22U
C348	ECEA1HKA010B	50V 1U
C349, 350	ECBT1H221KB5	50V 220P
C351	ECEA1EKA4R7B	25V 4.7U
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
C431, 432	ECEA1EKA4R7B	25V 4.7U
C435, 436	ECEA1EKA4R7B	25V 4.7U
C437	ECEA1HKA100B	50V 10U
C601, 602	ECFR1H104ZF	50V 0.1U
C603	ECEA1EU222B	25V 2200U ⚠
C604	ECA1EM102B	25V 1000U ⚠
C605	ECA1EM102B	25V 1000U ⚠
C606	ECBT1E103ZF	25V 0.01U
C607	ECEA1AKA101B	10V 100U
C608	ECEA1AKA221Q	10V 220U
C609, 610	ECBT1E103ZF	25V 0.01U
C611	ECEA1HKA010B	50V 1U
C612	ECKR2H682PE	500V 6800P
C613	ECEA1AU470	10V 47U
C614, 615	ECBT1E103ZF	25V 0.01U
C701, 702	ECBT1E103ZF	25V 0.01U
C703	ECEA0JU102	6.3V 1000U
C704, 705	ECBT1E103ZF	25V 0.01U
C706	ECEA1HKAR33B	50V 0.33U
C707	ECEA1HKAR22B	50V 0.22U
C731	ECBT1E103ZF	25V 0.01U
C777	ECEA1HKA3R3B	50V 3.3U
C801, 802	ECBT1E223ZF	25V 0.022U
C803	ECEA1VKA470B	35V 47U
C804	ECEA1AKA101B	10V 100U
C805, 806	ECBT1H104ZF5	50V 0.1U
C807	ECEA1VKA470B	35V 47U
C808	ECEA1AKA101B	10V 100U
C811, 812	ECBT1H101KB5	50V 100P
C813, 814	ECBT1H104ZF5	50V 0.1U
C815-818	ECBT1H101KB5	50V 100P
C819, 820	ECEA1VKA470B	35V 47U
C901	ECBT1H470J5	50V 47P
C902	ECBT1H104ZF5	50V 0.1U
C903	ECBT1H470J5	50V 47P

■ Cabinet Parts Location



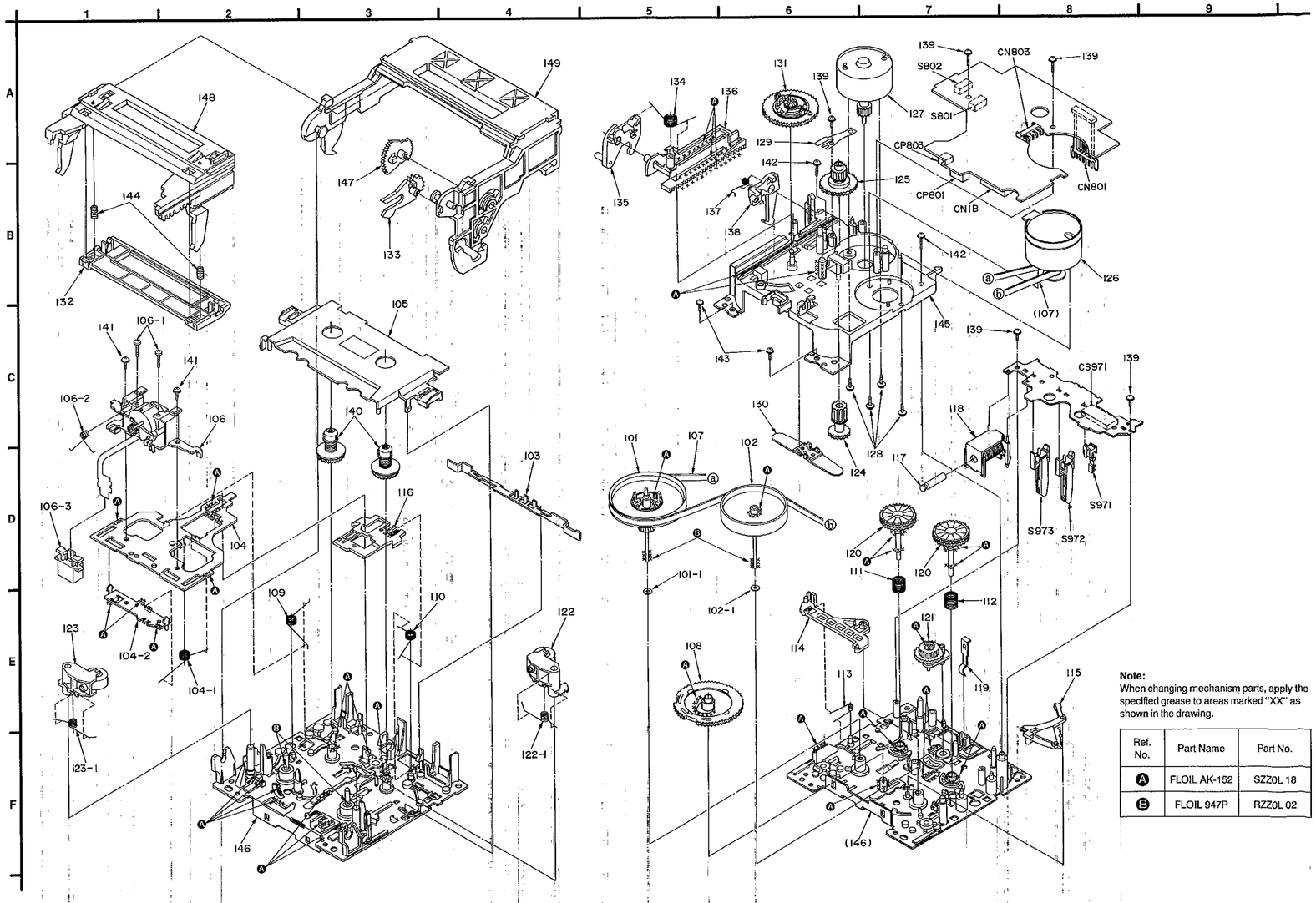
Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RKM0202C-1K	CABINET	
3	XTBS3+8JFZ1	SCREW	
5	RYF0229-K	CASSETTE LID ASS'Y(L)	
5-1	RGU0958-K	BUTTON, CLOSE	
5-2	RMM0110	CLOSE ROD	
6	RYF0230-K	CASSETTE LID ASS'Y(R)	
6-1	RGU0958-K	BUTTON, CLOSE	
6-2	RMM0110	CLOSE ROD	
9	RGR0147A-K	REAR PANEL	
10	RFKJSCH404EK	BOTTOM BOARD ASS'Y	
10-1	RKA0011A-2	FOOT	
11	RGL0214-Q	PANEL LIGHT(R.PLAY)	
12	RGL0215-Q	PANEL LIGHT(F.PLAY)	
13	RGL0216-Q	PANEL LIGHT(A)	
14	RGL0217-Q	PANEL LIGHT(B)	
15	RGP0345-K	FRONT GRILL	
16	RGP0346-K	FRONT PANEL	
17	RGU0956-K	BUTTON, PLAY etc.	
18	RGU0957-K	BUTTON, FF/REW etc.	
19	RMA0725	MECHANISM ANGLE	
20	XTBS26+8J	SCREW	
21	SHE185-2	P.C.B. SPACER	
22	XTB3+10JFZ	SCREW	
23	XTB3+16JFZ	SCREW	
25	REZ0604	FLAT CABLE(14P)	
26	REX0539	LEAD WIRE(4P)	
27	REX0540	LEAD WIRE(3P)	
28	REZ0630	FLAT CABLE(P901)	

Ref. No.	Part No.	Part Name & Description	Remarks
		MECHANISM PARTS	
		DECK1(PLAYBACK)	
101	RXF0045	FLY WHEEL(F) ASS'Y	
101-1	RMQ0420	WASHER	
102	RXF0046	FLY WHEEL(R) ASS'Y	
102-1	RMQ0421	WASHER	
103	RML0272	SWITCH LEVER	
104	RXQ0265	HEAD BASE ASS'Y	
104-1	RMB0266	SPRING	
104-2	RXM0036	ROD	
105	RGK0582-K	ORNAMENT PLATE	
106	RXQ0317	HEAD ASS'Y(P.B)	
106-1	RHD17015	AZIMUTH ADJUSTMENT SCREW	
106-2	RMB0265-1	SPRING	
106-3	RMQ0360A	CONNECTOR HOLDER	
107	RDV108ZA	BELT	
108	RDK0019A	MAIN GEAR	
109	RMB0261	SPRING	
110	RMB0262	SPRING	
111	RMB0263	SPRING	
112	RMB0264	SPRING	
113	RMB0312	SPRING	
114	RML0267A	LEVER	
115	RML0268A	LEVER	
116	RMM0091A	BRAKE ROD	
117	RMS0398	PLUNGER	
118	RSJ0003	SOLENOID	
119	RUS609ZC	SPRING	
120	RXG0036	REEL TABLE GEAR	
121	RXL0106	IDLER LEVER	
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	RMC0169	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	

Ref. No.	Part No.	Part Name & Description	Remarks
141	XTW2+5L	SCREW	
142	XTW26+12S	SCREW	
143	XTW26+6L	SCREW	
144	RMB0324	STABILIZER SPRING	
145	RFKJSCH404AK	SUB CHASSIS ASS'Y	
146	RFKJSCH404BK	CHASSIS ASS'Y	
147	RDG0212A	LIFT GEAR	
148	RGQ0121-K	LIFTER	
149	RKF0334-K	CASSETTE HOLDER	
		MECHANISM PARTS	
		DECK2(REC./PLAYBACK)	
201	RXF0045	FLY WHEEL(F) ASS'Y	
201-1	RMQ0420	WASHER	
202	RXF0046	FLY WHEEL(R) ASS'Y	
202-1	RMQ0421	WASHER	
203	RML0272	SWITCH LEVER	
204	RXQ0265	HEAD BASE ASS'Y	
204-1	RMB0266	SPRING	
204-2	RGM0036	ROD	
205	RGN0582-K	ORNAMENT PLATE	
206	RXQ0316	HEAD ASS'Y(R/P)	
206-1	RMD17015	AZIMUTH ADJUSTMENT SCREW	
206-2	RMB0265-1	SPRING	
206-3	RMQ0360A	CONNECTOR HOLDER	
207	RDV108ZA	BELT	
208	RDX0019A	MAIN GEAR	
209	RMB0261	SPRING	
210	RMB0262	SPRING	
211	RMB0263	SPRING	
212	RMB0264	SPRING	
213	RMB0312	SPRING	
214	RML0267A	LEVER	
215	RML0268A	LEVER	
216	RMM0091A	BRAKE ROD	
217	RMS0398	PLUNGER	
218	RSJ0003	SOLENOID	
219	RUS6092C	SPRING	
220	RXG0036	REEL TABLE GEAR	
221	RXL0106	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	RMC0169	SPRING	
230	RMQ0314A	SPACER	

Ref. No.	Part No.	Part Name & Description	Remarks
231	RXG0037	GEAR ASS'Y	
232	RMQ0401	STABILIZER	
233	RML0275A	LIFT ARM	
234	RMB0269	SPRING	
235	RML0270A	LEVER	
236	RMQ0312A	DRIVE GEAR	
237	RMB0268	SPRING	
238	RML0271A	LEVER	
239	XTW2+6S	SCREW	
240	RXR0018	REEL TABLE	
241	XTW2+5L	SCREW	
242	XTW26+12S	SCREW	
243	XTW26+6L	SCREW	
244	RMB0324	STABILIZER SPRING	
245	RFKJSCH404AK	SUB CHASSIS ASS'Y	
246	RFKJSCH404BK	CHASSIS ASS'Y	
247	RDG0212A	LIFT GEAR	
248	RGQ0121-K	LIFTER	
249	RKF0334-K	CASSETTE HOLDER	

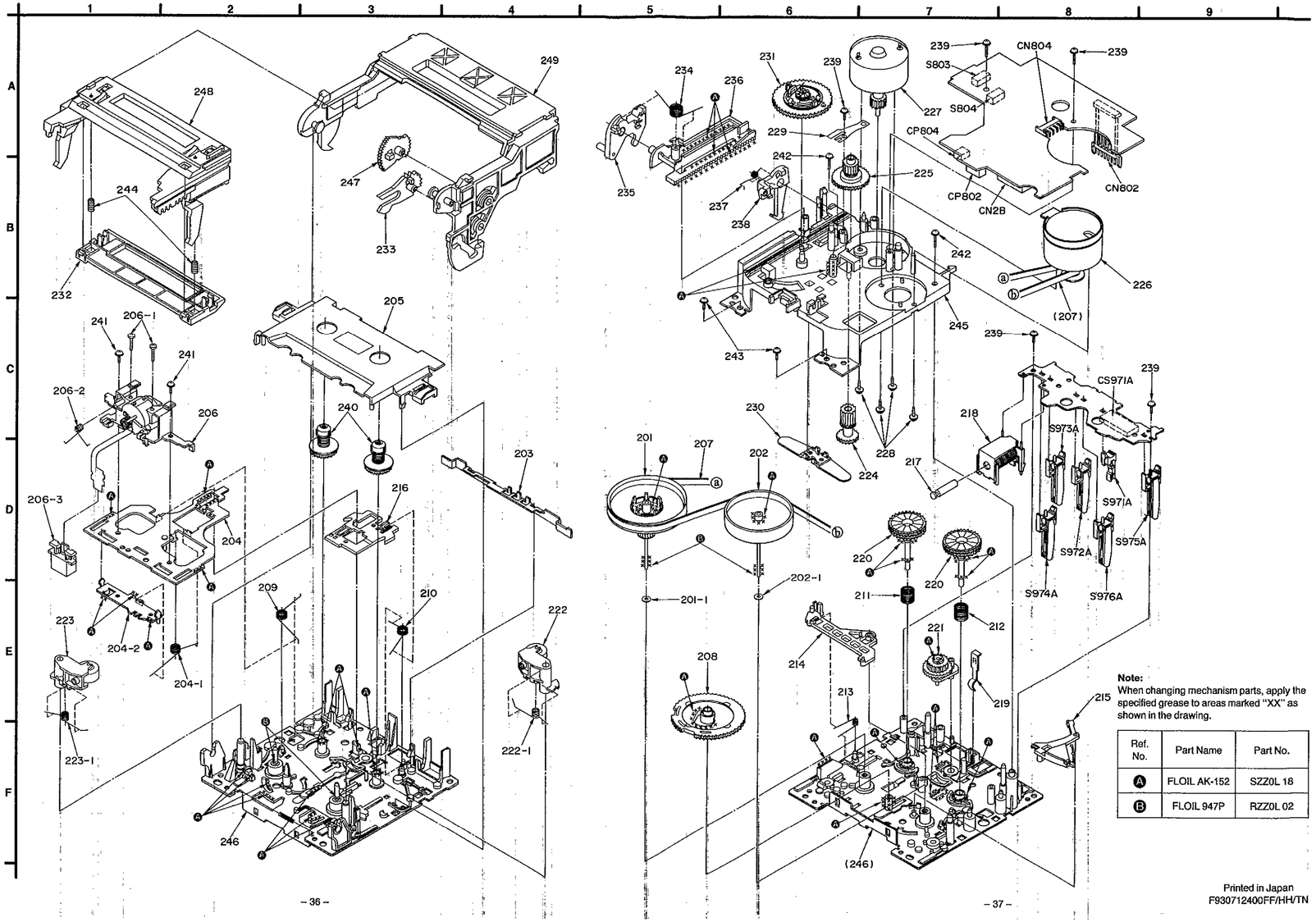
■ Mechanism Parts Location •DECK 1 (PLAYBACK)



Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
Ⓐ	FLOIL AK-152	SZZ0L 18
Ⓑ	FLOIL 947P	RZZ0L 02

■ Mechanism Parts Location •DECK 2 (RECORD/PLAYBACK)



Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
Ⓐ	FLOIL AK-152	SZZ0L 18
Ⓑ	FLOIL 947P	RZZ0L 02

Printed in Japan
F930712400FF/HH/TN

923