

NEC **Authentic series**

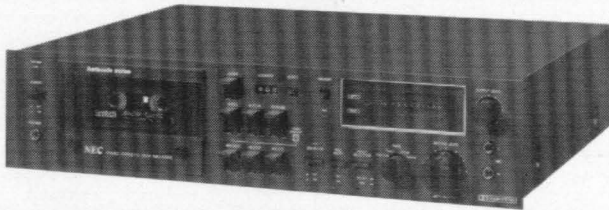
MODEL AUK 8300E
TYPE (BG)/(SG)

STEREO CASSETTE DECK SERVICE MANUAL

SER. NO. 3037



**Better Service
Better Reputation
Better Profit**



AUK-8300E (BG)



AUK-8300E (SG)

Specifications

MECHANICAL PERFORMANCE	NOMINAL VALUE
Tape Speed	4.75 cm/sec.
Tape Speed Deviation	± 1.0%
Tape Speed Variation	0.5%
Wow & Flutter	0.045% WRMS
Fast Forward Time	98 sec. with C60
Rewind Time	98 sec. with C60

ELECTRICAL PERFORMANCE	NOMINAL VALUE
Dias OSC Frequency	105 kHz
Playback Sensitivity	.580 mV (with TEAC MTT150 test tape)
Frequency Response	Normal 20-14,000Hz CrO ₂ /FeCr 20-16,000Hz Metal 20-16,000Hz
Recording Input Sensitivity:	MIC/DIN . . .0.3 mV/4.7 k ohms LINE100 mV/47 k ohms
REC/PLAY Sensitivity:	NORMAL 580 mV CrO ₂ 580 mV
REC/PLAY Distortion at 0 VU:	NORMAL 1.0% CrO ₂ 2.0%

Signal to Noise Ratio	Dolby-Off	Dolby-On
Normal	55 dB	64 dB
CrO ₂ /FeCr	59 dB	66 dB
Metal	63 dB	70 dB
Erasing Capability	.66 dB	
Crosstalk between Channels	45 dB at 1 kHz	
Dolby NR Effect	.10 dB	

OTHER SPECIFICATIONS

Power Supply	
Type	BG/SG
Voltage (V AC)	110/120/220/240
Hertz (Hz)	50/60
Dimensions	450W x 100H x 340D (mm)
Standard Accessory	
L & R stereo pin cord set	2 pairs*
Owners Manual	1 piece

Nippon Electric Co., Ltd.

TOKYO, JAPAN

Disassembly Instructions

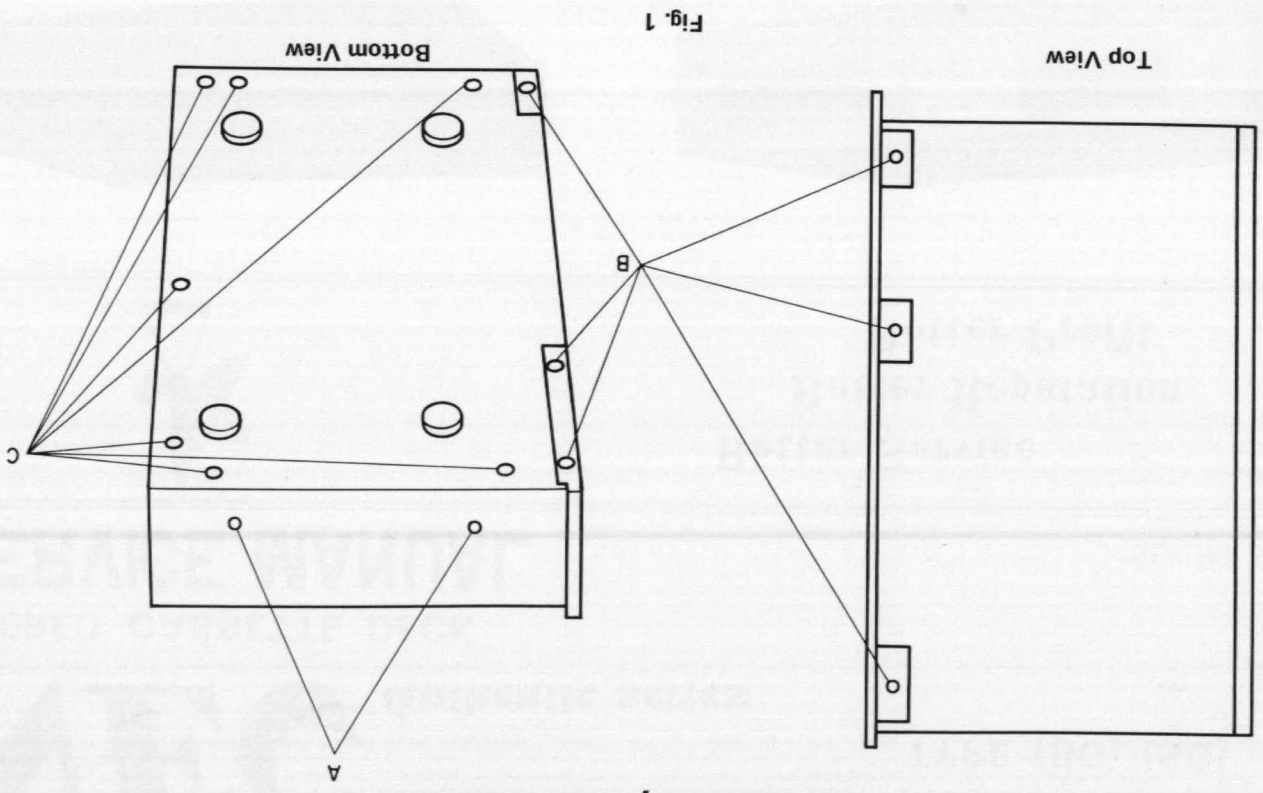


Fig. 1

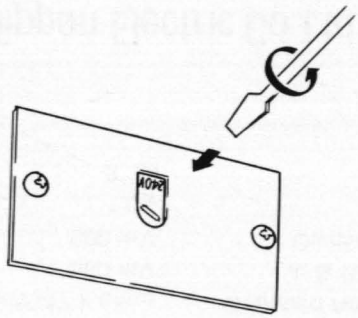
- Removing cabinet top and bottom cover. See Fig. 1.
1. Remove 4 cabinet screws (A) from left and right sides and lift off cabinet.
 2. Remove seven bottom cover screws (C) and lift off bottom cover.

- Removing front panel. See Fig. 1.
1. Remove 6 screws (B) from chassis and lift off front panel.

Note: Before removing front panel be sure to take off 7 knobs (EJECT, REC, PLAY, PAUSE, REW, STOP, FF), 2 deck cover mounting screws and bottom cover.

Important (for BG type)

Your unit is factory-preset for 240V. However every unit has four voltage taps of 110/120/220/240V to suit your local voltage. If you should move to an area where the voltage is different, it is necessary to reset the Voltage Selector Dial on the unit's rear panel. This can be done simply by turning the screw type Voltage Selector Dial with a screwdriver until the desired voltage appears in the window, as shown below:



Alignment Procedure

Standard Measurement Condition

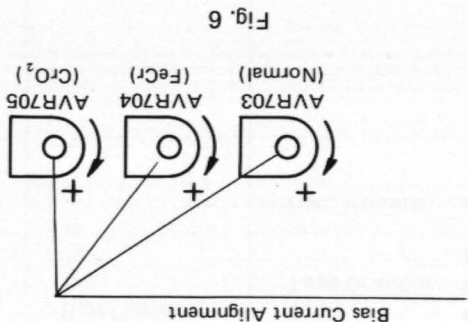
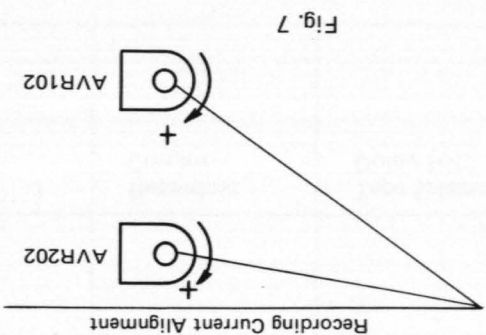
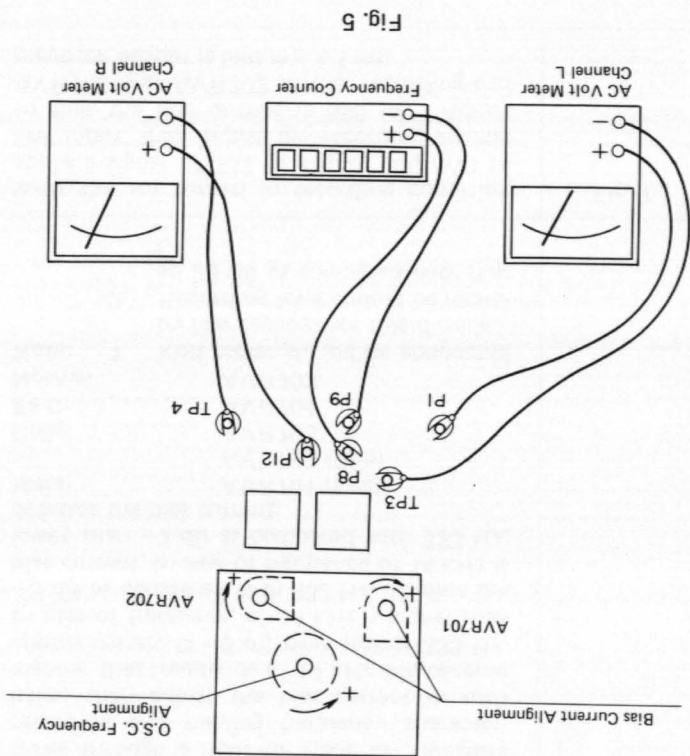
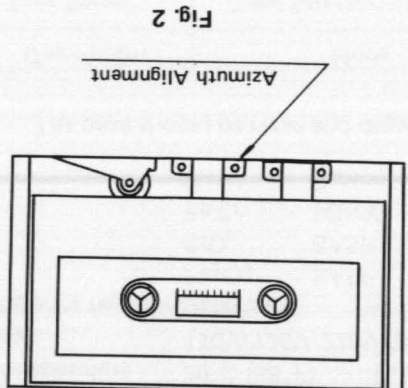
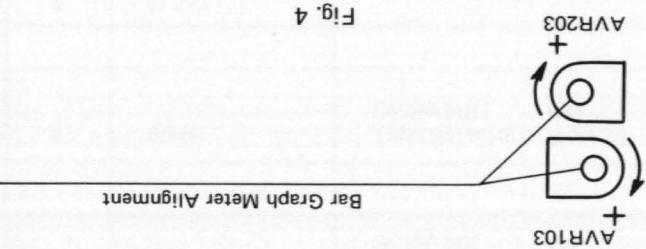
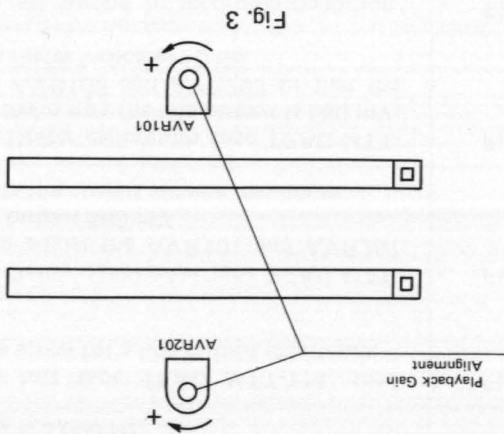
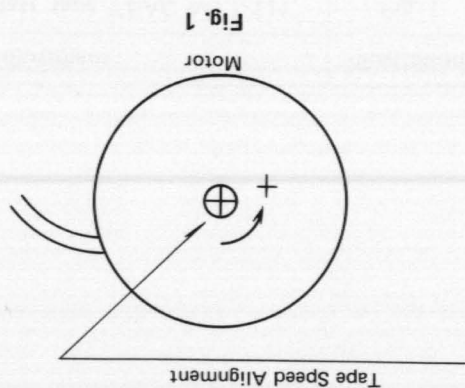
Ambient Temperature 20°C (68°F) Humidity 60%
 Line Voltage 110V/120V/220V/240V 50/60 Hz
 Standard tape for recording/playback

Fe ₂ O ₃	BASF	T308S
CrO ₂	BASF	C401R
Fe-Cr	SONY	DUAD
Metal	Scotch	Metafine

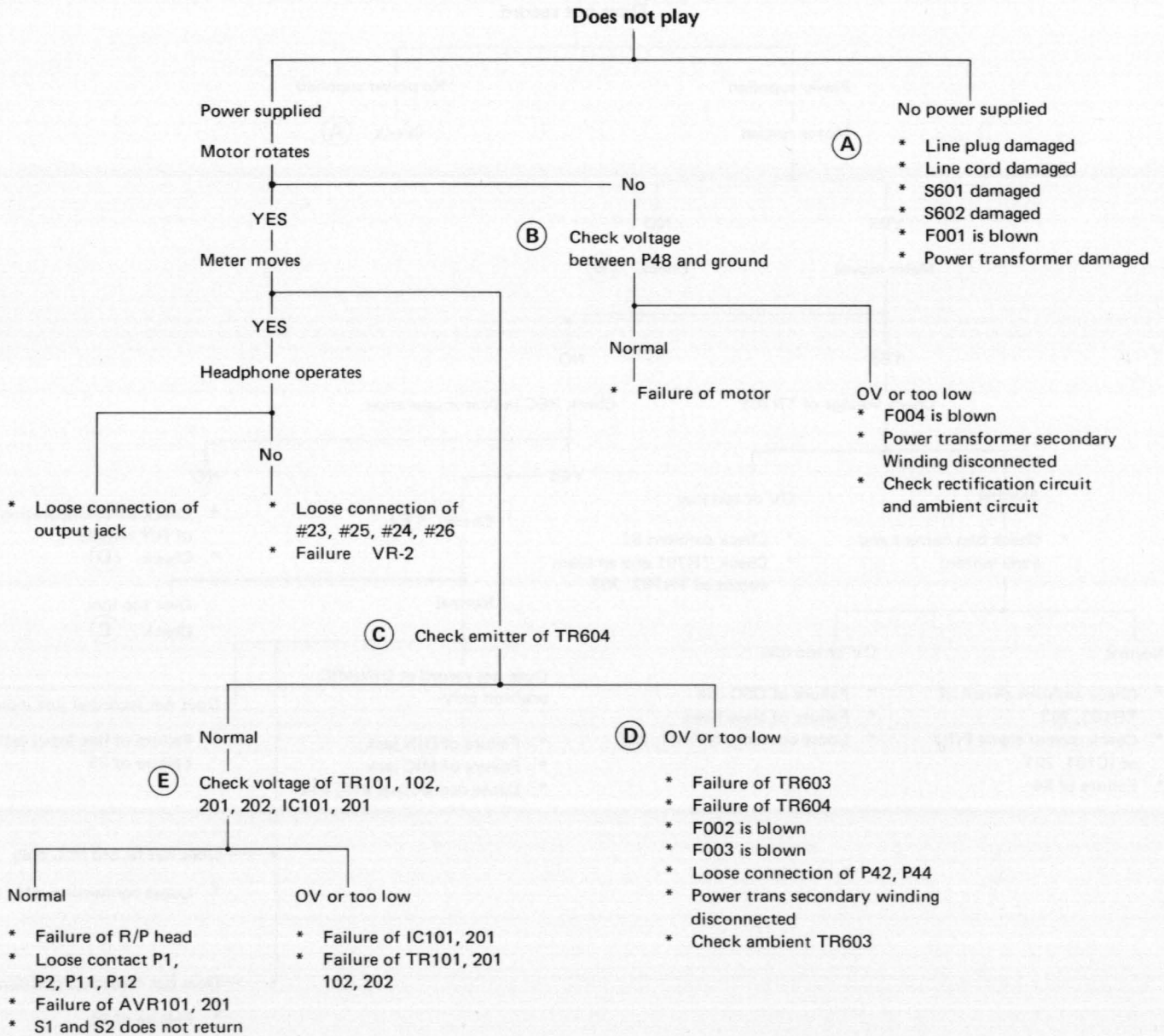
NOTE: The head should be clean and degaussed before alignment.

Step	Description	Mode	Adjustment	Illustration
1	Tape Speed	Tape Selector: Normal Dolby NR: OFF	Play a standard test tape TEAC MTT-111, then adjust the motor so that the line output frequency is 3,000 Hz.	Fig. 1
2	Head Azimuth	Tape Selector: Normal Dolby NR: OFF	Play the test tape TEAC MTT-114, then adjust the screw for a line output maximum.	Fig. 2
3	Playback Gain	Tape Selector: Normal Dolby NR: ON	Play the Dolby calibration tape TEAC MTT-150, then adjust the AVR101 and AVR201 for a line output 580 mV. Note: Set the output volume maximum.	Fig. 3
4	Meter	Tape Selector: Normal Dolby NR: ON	Play the Dolby calibration tape TEAC MTT-150 and make sure the line output is 580 mV. Adjust a AVR103 and AVR203 so that the bar graph meter indicates +3 dB.	Fig. 4
5	O.S.C Frequency		With the set turned in recording condition, adjust the oscillator coil so that bias oscillation frequency is 105 KHz ± 10%.	Fig. 5
6	Bias Current	Doby: OFF Tape Selector: all position Rec. Volume: Adjust	After temporarily adjusting the current that flows through a head to 1,200 μA, measure recording and playing frequency characteristics, then adjust the bias current in such manner that frequency of 14 kHz will become approximately ≅ -3 dB over against 333 Hz. In case of frequency of 14 kHz is higher than -3 dB as compared with 333 Hz, increase the bias current. In case of frequency of 14 kHz is lower than -3 dB as compared with 333 Hz, decrease the bias current. Metal AVR701 (Lch) AVR702 (Rch) CrO ₂ AVR705 Fe-Cr AVR704 Normal AVR703 Note: 1. Volt meter should be connected by low capacitance shield cable. 2. Recording level should be reduced 26 dB as compared with step 7.	Fig. 6
7	Recording Current	Tape Selector: Metal Dolby NR: OFF	With the set turned in recording condition apply a signal of 333 Hz (about 100 mV) to line input, then adjust the recording volume so that the line output is 580 mV. Adjust AVR102 and AVR202 so that recording and playback output is 580 mV ± 1 dB.	Fig. 7

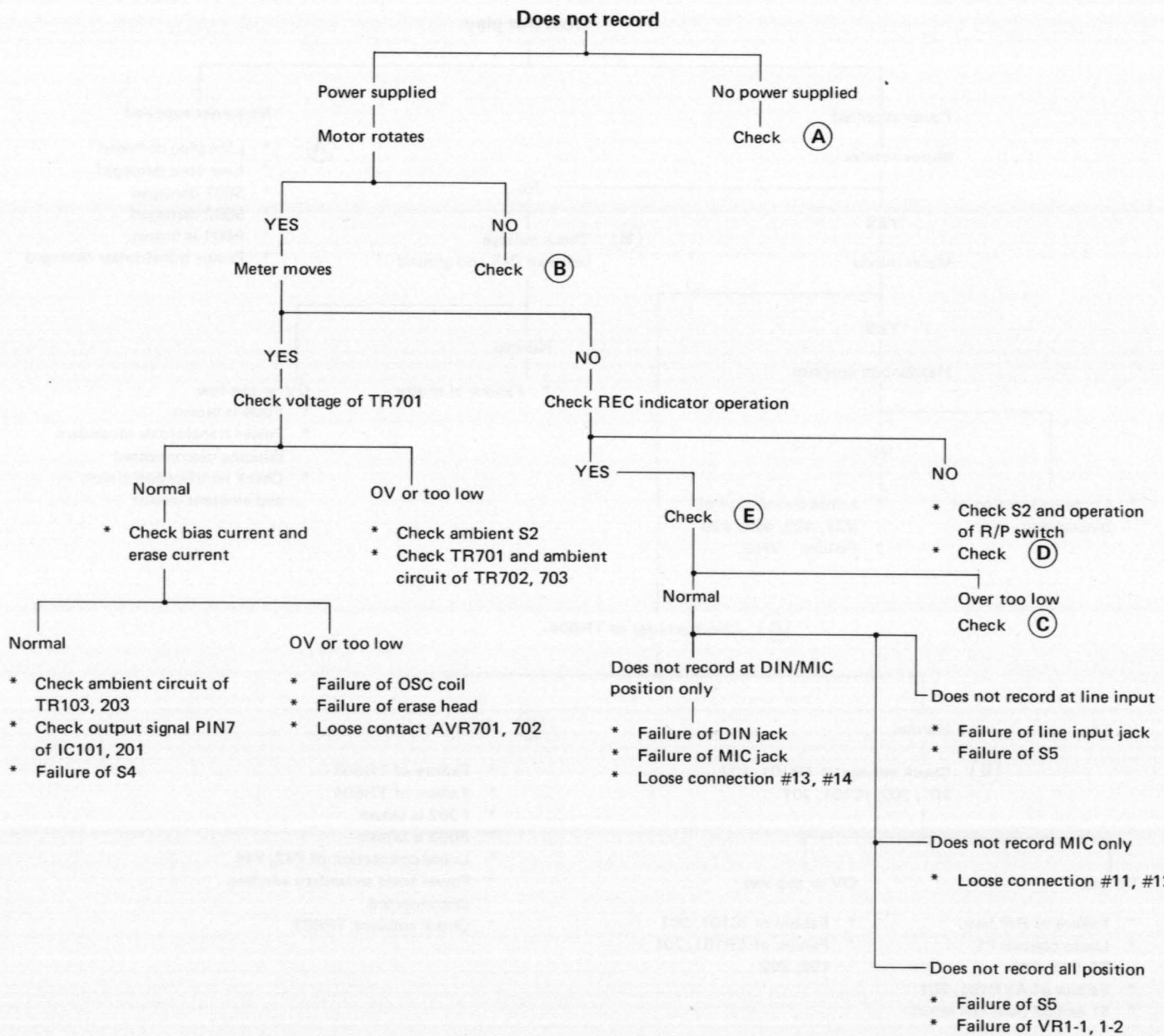
Alignment Location



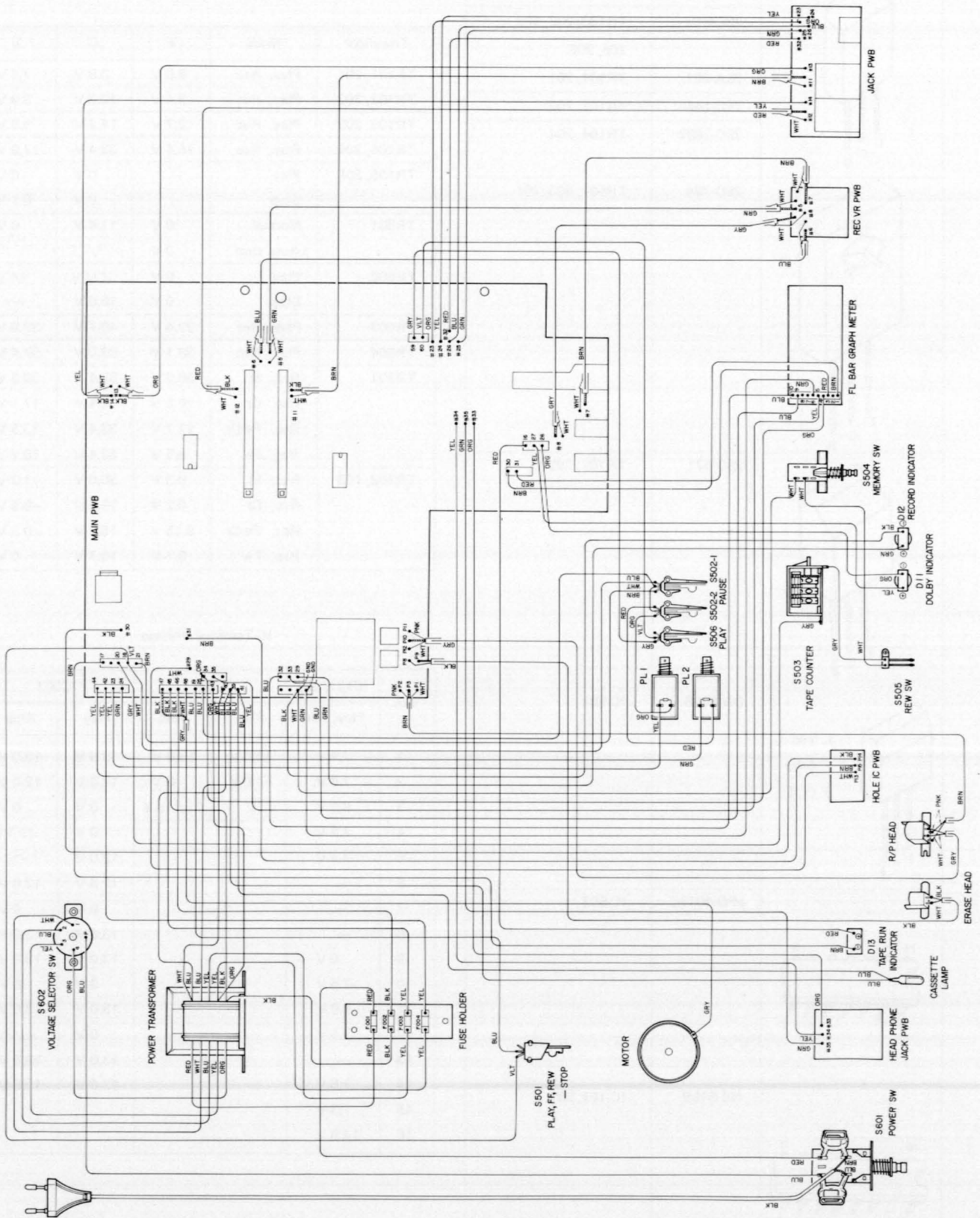
Troubleshooting



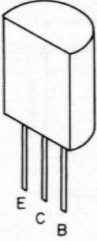

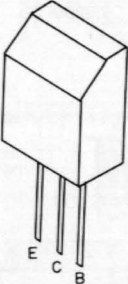
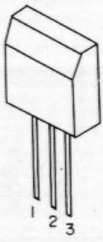
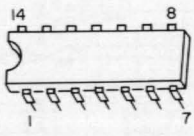
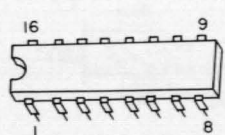
Troubleshooting







Wiring Diagram







Transistor & IC Base Connection

	2SA-733	TR604
	2SC-945	TR103, 203, 502, 105, 205
	2SA-991	TR101, 201
	2SC-1844	TR102, 202
	2SC-2002	TR104, 204
	2SD-794	TR501, 603, 701
	2SD-571	TR702, 703
 <p>1. Vcc 2. GND 3. OUT</p>	DN-6838	IC-501
	μPD-4011C	IC-502
	NE-645B	IC-101, 201

Transistor Terminal Voltage

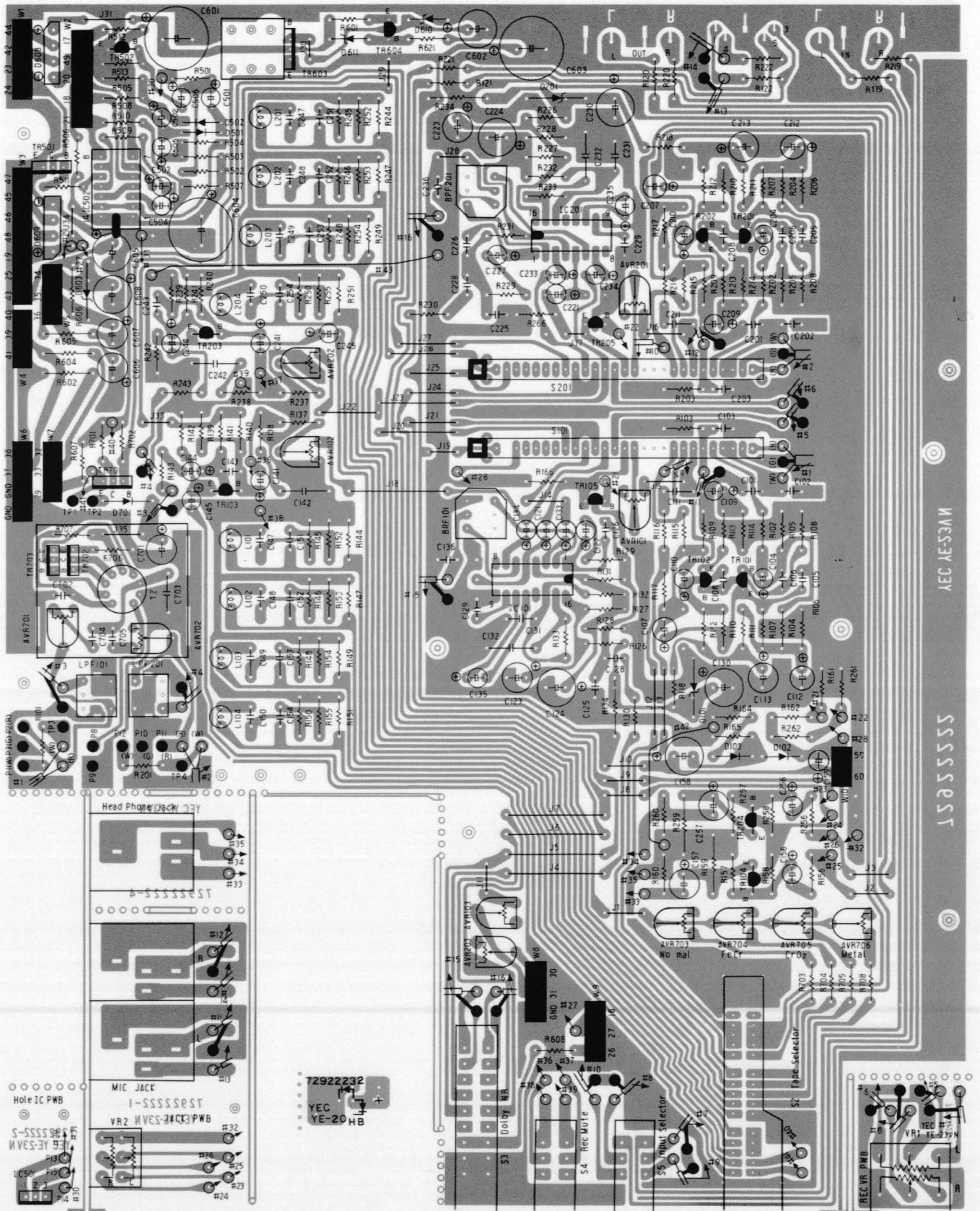
Transistor	Mode	E	C	B
TR101, 201	Play, Rec	8.0 V	3.9 V	7.4 V
TR102, 202	Play, Rec	3.4 V	12.3 V	3.9 V
TR103, 203	Play, Rec	2.7 V	14.2 V	3.3 V
TR104, 204	Play, Rec	16.4 V	32.4 V	17.0 V
TR105, 205	Play	—	0 V	0 V
	Stop	—	0 V	0.7 V
TR501	Normal	0 V	11.4 V	0 V
	Auto stop	0 V		
TR502	Play	0 V		
	Stop	0 V	10.0 V	—
TR603	Play, Rec	32.4 V	40.7 V	33.0 V
TR604	Play, Rec	38.1 V	33.0 V	37.4 V
TR701	Rec, M	30.2 V	32.4 V	30.8 V
	Rec, Cr	16.5 V	32.4 V	17.1 V
	Rec, Fe-Cr	12.7 V	32.4 V	13.3 V
	Rec, Fe	9.5 V	32.4 V	10.1 V
TR702, 703	Rec, M	0.3 V	30.0 V	-1.2 V
	Rec, Cr	0.2 V	19.2 V	-0.5 V
	Rec, Fe-Cr	0.15 V	15.0 V	-0.3 V
	Rec, Fe	0.1 V	10.7 V	0 V

IC Terminal Voltage

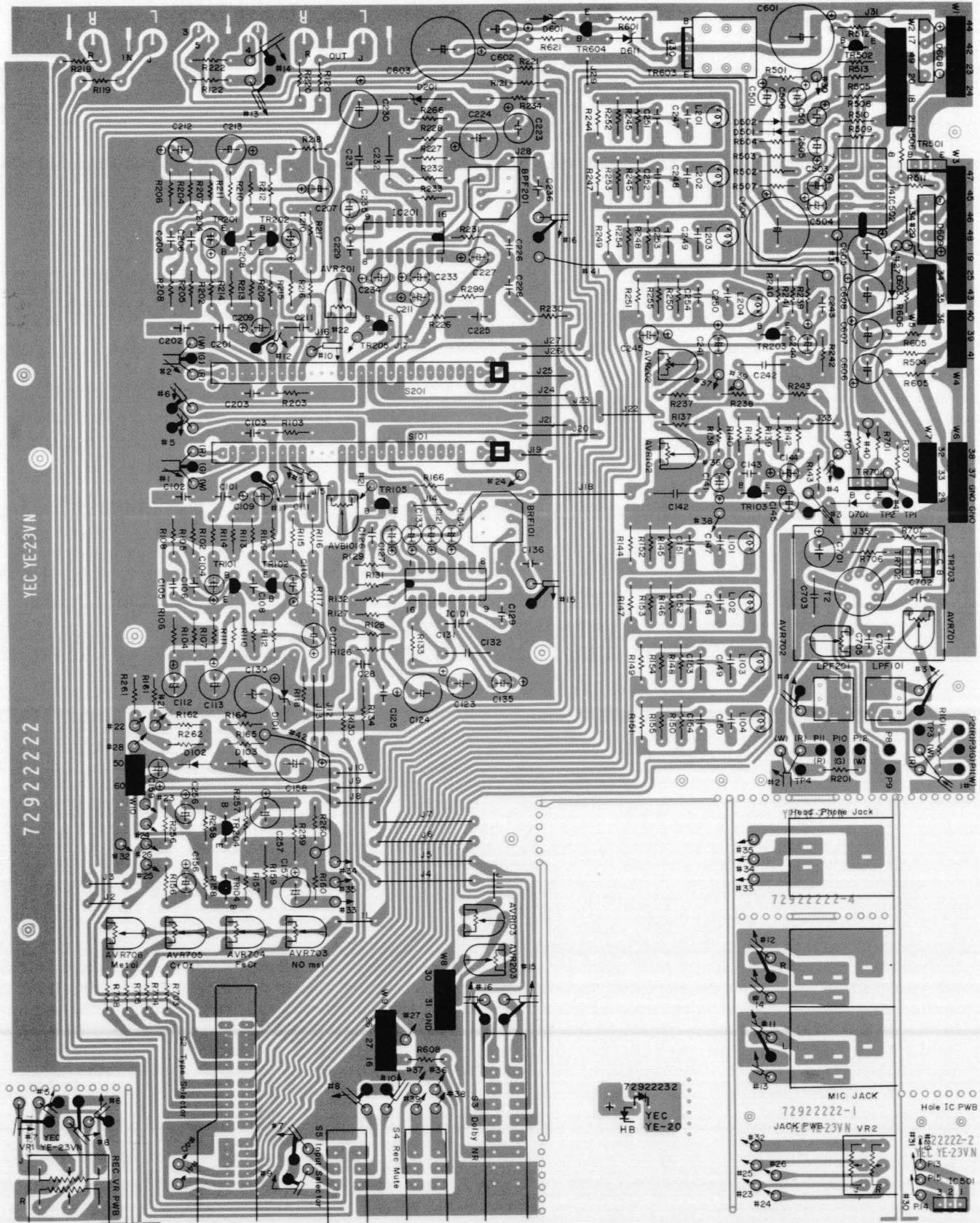
No.	IC101, 201	IC501		IC502	
	Play, Rec	Play	Stop	Play	Stop
1	7.5 V	13.0 V	13.0 V	13.0 V	13.0 V
2	7.6 V	0 V	0 V	12.0 V	12.0 V
3	8.0 V		0 or 13 V	0 V	0 V
4	7.5 V			0 V	
5	7.4 V			13.0 V	
6	—			12.0 V	12.0 V
7	—			0 V	0 V
8	—			13.0 V	13.0 V
9	0 V	13.0 V	13.0 V		
10	7.5 V	0 V	0 V		
11	8.0 V	13.0 V	13.0 V		
12	7.5 V	0 V			
13	—	13.0 V	13.0 V		
14	7.5 V	13.0 V	13.0 V		
15	7.3 V				
16	14.8 V				

Main PWB ASS'y

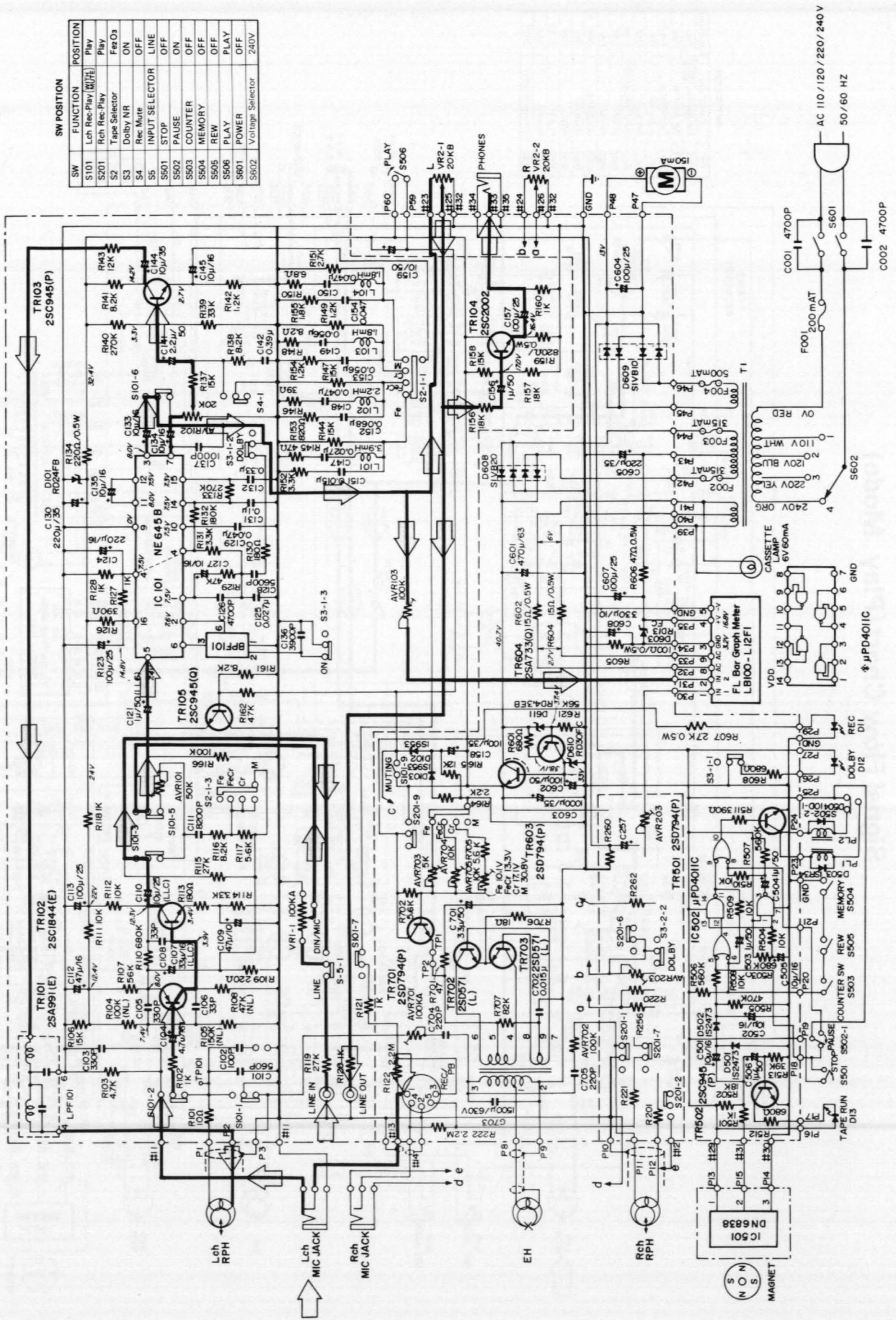
- Component Side -



- Solder Side -



Signal Flow Chart (Record Mode)



Replacement Parts List

EXPLODED VIEW NO.	SYMBOL NO.	PART NO.		DESCRIPTION	Q'TY	REMARKS
		AUK-8300E(BG)	AUK-8300E(SG)			

Miscellaneous Parts

		18283222		Hexagon Spanner 1.5	1	
19		18285941		Lug	1	
		18286231		Head Cleaning T1P2	1	
		18287821		Heat Sink IC-1625-ST	1	
21		18289401		P.W.B Holder	3	
1		18457751	18457771	Ornamental, Screw	2	
44		18510842		Bracket, Switch Mount	1	
		18601682		Filler	2	
11		18710313		Cassette, Guide Plate	1	
		18752561		Label	1	
		18753101		Label	1	
47		18755941		Label	1	
22		18755961		Fuse, Lavel	1	
		18851951		Special Screw M2.6 x 4	2	
		18852251		Special Screw	2	
12		18853431		Polyethylene Slider	2	
101		18853701		Special, Screw	4	
102		18853791		Screw, Special	18	
38		19407261	19407191	Knob, Collar (A)	1	
42		19407271		LED Holder	3	
13		19407281		Cassette, Case Ornamental	1	
39		19407291	19407321	Button, Cover	1	
40		19407311	19407201	Knob, Collar (B)	3	
37		19407861		Bar Meter Window Ornamental	1	

EXPLODED VIEW NO.	SYMBOL NO.	PART NO.		DESCRIPTION	Q'TY	REMARKS
		AUK-8300E(BG)	AUK-8300E(SG)			
23			19525111	REC Sw. Bracket	1	
24			19525121	Lever, Collar	1	
25			19525431	Lever, Bracket	1	
26			19525673	Chassis (A)	1	
27			19525721	Sub Chassis (A)	1	
28			19525731	Sub Chassis (B)	1	
29			19525742	Meter, Holder	1	
30			19525771	REC, Selector Lever (B)	1	
			19525841	Spring, Cassette Catch	2	
			19525871	IC PWB Bracket Mount	1	
31			19525952	Spring	1	
			19526071	Case, Shield	1	
46			19526151	Sw. Bracket	1	
32			19526391	Sw. Filler, Carton	1	
17			19604021	Sheet	1	
41			19604071	Button Sheet	1	
33			19604091	Cover (A)	1	
34			19604101	Cover (B)	1	
35			19604131	PWB Cushion	1	
48			24280261	Wire Clamper	1	
104			24851541	Screw, F.T*3*6*15BF	28	
105			24851701	Screw, F.T*4*8*15BF	2	
107			24851791	Push Rivet	2	
			70599039	Connector-2P S-I9118	1	
			70902101	IC Socket 14P	1	
			70905152	Jack	1	
			70905209	Mick, Jack	2	
			70905210	Jack, Headhone	1	
			70906049	Pin Plug Cord 1.2	2	
			71501029	Terminal	10	
			71501030	Terminal	2	
204			71903042	Fuse, Holder 4P	1	
			71905033	Terminal D2	1	
			71905034	Terminal D3	5	
			71905035	Terminal D4	2	
			71905036	Terminal D5	1	
			71905038	Terminal D7	1	
			71905077	Terminal 2P	1	
			73041090	Connector 9P	1	
			91013032	Screw, CPIMS*3*6*15CF	10	

EXPLODED VIEW NO.	SYMBOL NO.	PART NO.		DESCRIPTION	Q'TY	REMARKS
		AUK-8300E(BG)	AUK-8300E(SG)			
103		91053012		Screw, CFIMS*3*4*15CF	1	
107		91053032		Screw, CPIMS*3*6*15CF	8	
108		91053036		Screw, CFIMS*3*6*3KF	5	

Knobs & Cabinet Parts

20		18286241		Foot UL	4	
15		18456981		Scale, Knob	1	
2		18457181	18457431	VR, Knob	1	
3		18457191	18457441	VR, Knob	1	
4		18457201	18456811	Knob	1	
5		18457211	18456841	Push Knob	3	
7		18457241	18457471	Button	7	
6		18457391		Knob, Selector	2	
9		18710331	18710741	Cassette Panel (A)	1	
10		18710341	18710751	Cassette Panel (B)	1	
14		19525661		Cover, Bottom	1	
16		19525881		Cabinet	1	
45		19526212	19526411	Panel Rear	1	
36		88599641	88604641	Front Panel Sub-Ass'y	1	

Semiconductors

	TR604	35003517	TR 2SA733/733A Q	1	
	TR103, 203, 502	35047216	TR 2SC945 P	3	
	TR105, 205	35047217	TR 2SC945 Q	2	
	TR101, 201	35901705	TR 2SA991E	2	
	TR102, 202	35947105	TR 2SC1844E	2	
	TR104, 204	35947212	TR 2SC2002L	2	
	TR501, 603, 701	35962616	TR 2SD794P	3	
	TR702, 703	35962912	Transistor 2SD571L	2	
	D501, 502	36001009	Diode, SI. 1S-2473	2	
	D102, 103	36001522	Diode 1S-953	2	
	D611	36003080	Diode RD-4.3E(B)	1	
	D608	36902050	Rectifier	1	
	D503	36902055	Diode 2SR34-100	1	
	D609	36904023	Rectifier	1	
	D11	36904037	LED TLR205	1	

EXPLODED VIEW NO.	SYMBOL NO.	PART NO.		DESCRIPTION	Q'TY	REMARKS
		AUK-8300E(BG)	AUK-8300E(SG)			
	D12, 13	36904042		LED TLG205	2	
	D101, 201	36905005		Diode RD24FB	2	
	D610	36905013		Diode RD30EC	1	
	D603	36905014		Diode RD13FC	1	

ICs

	IC101, 201	37901043		IC NE645B	2	
	IC501	37903049		IC DN6838	1	
	IC502	37904002		IC UPD4011C	1	

Electrical Parts

201		45027082		Trans, Power	1	
	T2	61904401		OSC Coil	1	
	L103, 104, 203, 204	61911071		Coil 1.8mH	4	
	L102, 202	61911072		Coil 2.2mH	2	
	L101, 201	61911075		Coil 3.9mH	2	
	LPF101, 201	61911098		Filter 105KHZ	2	
211		65901039		SW, Voltage Selecter	1	
	S2	65901050		SW, Rotary	1	
	S101	65902052		Switch, R/P	1	
	S201	65902054		SW, Slide	1	
213		65904049		SW, Power	1	
		65904102		SW, Push Button	1	
202	S104	65904105		SW, Push	1	
210	F004	66901030		Fuse 500MAT SEMKO	1	
208	F002, 003	66901034		Fuse SEMKO 315MA T	2	
207	F001	66901035		Fuse 200MAT SEMKO	1	
203		67950233		Meter	1	
43		72951321	72951351	Mechanism Unit	1	
212		79759123		Line Cord Cenelec	1	
		79799118		Cover	2	
206		87597101		Main PWB Unit Assy	1	

Variable Resistors

	AVR704, 705	41950016		R. Variable 10K Ω	2	
	AVR103, 203, 701, 702	41950024		R. Variable 100K Ω B	4	
	AVR703	41950025		R. Variable 5K Ω B	1	
	AVR102, 202	41950027		R. Variable 20K Ω B	2	
	AVR101, 201	41950063		R. Variable 100K Ω B	2	
	VR1	41950256		Clutch Volume 100K Ω A	1	
	VR2	41950300		VR. 20K Ω B	1	

EXPLODED VIEW NO.	SYMBOL NO.	PART NO.		DESCRIPTION	Q'TY	REMARKS
		AUK-8300E(BG)	AUK-8300E(SG)			

Resistors

	R159, 259		40003036	R. Solid	820Ω	10%	½W	2	
	R602, 604		40912129	R. Carbon	15Ω	5%	½W	2	
	R606		40912141	R. Carbon	47Ω	5%	½W	1	
	R605		40912149	R. Carbon	100Ω	5%	½W	1	
	R134, R234		40912157	R. Carbon	220Ω	5%	½W	2	
	R607		40912183	R. Carbon	2.7KΩ	5%	½W	1	
	R118, 218		40913173	R. Carbon	1.0KΩ	5%	¼W	2	
	R108, 208		40950006	R. Metal	47KΩ		¼W	2	
	R104, 204		40950007	R. Metal	100KΩ		¼W	2	
	R105, 205		40950008	R. Metal	150KΩ		¼W	2	
	R150, 250		40982121	R. Carbon	6.8Ω	5%	¼W	2	
	R148, 248		40982123	R. Carbon	8.2Ω	5%	¼W	2	
	R101, 201		40982125	R. Carbon	10Ω	5%	¼W	2	
	R706		40982131	R. Carbon	18Ω	5%	¼W	1	
	R146, 246		40982139	R. Carbon	39Ω	5%	¼W	2	
	R145, 245, 709		40982141	R. Carbon	47Ω	5%	¼W	3	
	R113, 130, 213, 230		40982155	R. Carbon	180Ω	5%	¼W	4	
	R109, 209		40982157	R. Carbon	220Ω	5%	¼W	2	
	R126, 226, 511		40982163	R. Carbon	390Ω	5%	¼W	3	
	R512, 601, 608		40982169	R. Carbon	680Ω	5%	¼W	3	
	R153, 253		40982171	R. Carbon	820Ω	5%	¼W	2	
	R102, 120, 121, 127, 128, 160, 202, 220, 221, 227, 228, 260, 501		40982173	R. Carbon	1.0KΩ	5%	¼W	13	
	R142, 149, 154, 242, 249, 254		40982175	R. Carbon	1.2KΩ	5%	¼W	6	
	R155, 255		40982179	R. Carbon	1.8KΩ	5%	¼W	2	
	R164		40982181	R. Carbon	2.2KΩ	5%	¼W	1	
	R151, 251		40982183	R. Carbon	2.7KΩ	5%	¼W	2	
	R114, 131, 152, 214, 231, 252		40982185	R. Carbon	3.3KΩ	5%	¼W	6	
	R103, 203		40982189	R. Carbon	4.7KΩ	5%	¼W	2	
	R117, 217, 702, 705		40982191	R. Carbon	5.6KΩ	5%	¼W	4	
	R116, 138, 141, 161, 216, 238, 241, 261		40982195	R. Carbon	8.2KΩ	5%	¼W	8	
	R111, 112, 211, 212, 504, 508, 509, 510		40982197	R. Carbon	10KΩ	5%	¼W	8	
	R143, 165, 243		40982199	R. Carbon	12KΩ	5%	¼W	3	
	R106, 137, 144, 147, 158, 206, 237, 244, 247, 258		40982201	R. Carbon	15KΩ	5%	¼W	10	
	R156, 157, 256, 257, 502		40982203	R. Carbon	18KΩ	5%	¼W	5	

EXPLODED VIEW NO.	SYMBOL NO.	PART NO.		DESCRIPTION	Q'TY	REMARKS
		AUK-8300E(BG)	AUK-8300E(SG)			
	R115, 119, 215, 219		40982207	R. Carbon 27K Ω 5% ¼W	4	
	R139, 239		40982209	R. Carbon 33K Ω 5% ¼W	2	
	R513		40982211	R. Carbon 39K Ω 5% ¼W	1	
	R129, 162, 229, 262		40982213	R. Carbon 47K Ω 5% ¼W	4	
	R107, 207, 621		40982215	R. Carbon 56K Ω 5% ¼W	3	
	R707		40982219	R. Carbon 82K Ω 5% ¼W	1	
	R166, 266		40982221	R. Carbon 100K Ω 5% ¼W	2	
	R132, 232		40982227	R. Carbon 180K Ω 5% ¼W	2	
	R133, 140, 233, 240		40982231	R. Carbon 270K Ω 5% ¼W	4	
	R505		40982237	R. Carbon 470K Ω 5% ¼W	1	
	R506, 507		40982239	R. Carbon 560K Ω 5% ¼W	2	
	R110, 210, 503		40982241	R. Carbon 680K Ω 5% ¼W	3	
	R122, 222		40982253	R. Carbon 2.2M Ω 5% ¼W	2	

Capacitors

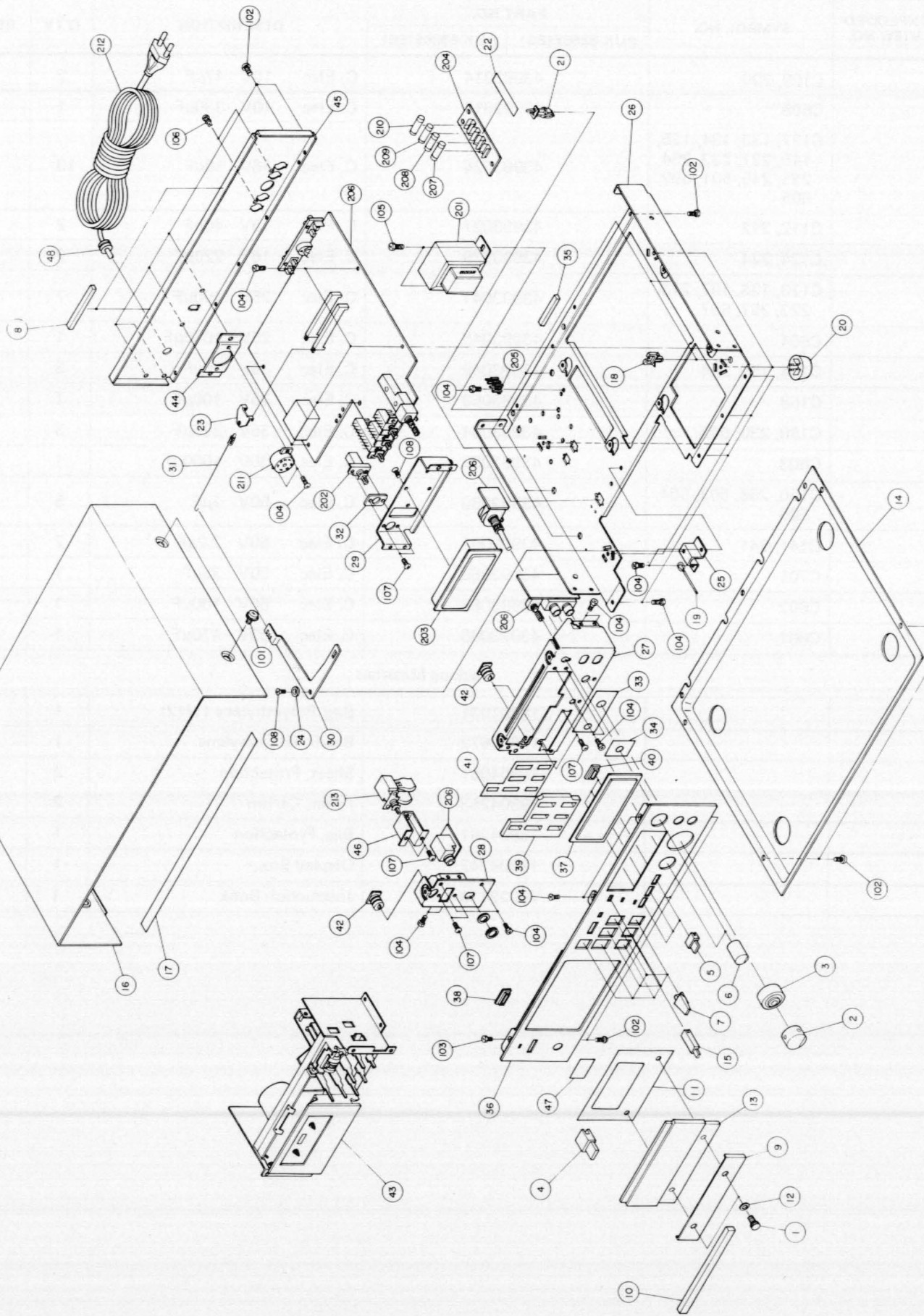
	C105, 205		42130207	C. Ceramic 50V 330pF	2	
	C137, 237		42130713	C. Ceramic 50V 1000pF 10%	2	
	C106, 108, 206, 208		42311033	C. Ceramic 50V 33pF	4	
	C001, 002		42606007	C. Metalized Paper 4700pF 250V	2	
	C702		42754065	C. Mylar 50V 0.015 μ F	1	
	C103, 203		42970012	C. Poly 50V 330pF 5%	2	
	C101, 201		42970015	C. Poly 50V 560pF 5%	2	
	C136, 236		42970025	C. Poly 50V 3900pF 5%	2	
	C126, 226		42970026	C. Poly 50V 4700pF 5%	2	
	C128, 228		42970027	C. Poly 50V 5600pF 5%	2	
	C111, 211		42970029	C. Poly 50V 8200pF 5%	2	
	C102, 202		42970127	C. Poly 50V 100pF 5%	2	
	C704, 705		42970135	C. Poly 50V 220pF 5%	2	
	C703		42970142	C. Poly 630V 1500pF	1	
	C151, 251		42974018	C. Poly 50V 15000pF 5%	2	
	C125, 147, 225, 247		42974020	C. Poly 50V 27000pF	4	
	C129, 148, 150, 154, 229, 248, 250, 254		42974022	C. Poly 50V 47000pF	8	
	C149, 153, 249, 253		42974023	C. Poly 50V 56000pF	4	
	C152, 252		42974024	C. Poly 50V 68000pF	2	
	C131, 231		42974026	C. Poly 50V 0.1 μ F	2	
	C132, 232		42974030	C. Poly 50V 0.33 μ F	2	
	C142, 242		42974031	C. Poly 50V 0.39 μ F	2	
	C107, 207		43980016	C. Elec 16V 33 μ F	2	
	C110, 210		43980030	CE04C1E100-MSR	2	
	C121, 221		43980053	CE04C1H010-MSR	2	
	C104, 204		43980061	C. Elec 25V 4.7 μ F	2	

EXPLODED VIEW NO.	SYMBOL NO.	PART NO.		DESCRIPTION	Q'TY	REMARKS
		AUK-8300E(BG)	AUK-8300E(SG)			
	C109, 209	43993014		C. Elec 10V 47 μ F	2	
	C608	43993017		C. Elec 10V 330 μ F	1	
	C127, 133, 134, 135, 145, 227, 233, 234, 235, 245, 501, 502, 505	43993024		C. Elec 16V 10 μ F	13	
	C112, 212	43993027		C. Elec 16V 40 μ F	2	
	C124, 224	43993029		C. Elec 16V 220 μ F	2	
	C113, 123, 157, 213, 223, 257, 607	43993041		C. Elec 25V 100 μ F	7	
	C604	43993045		C. Elec 25V 1000 μ F	1	
	C144, 159, 244	43993049		C. Elec 35V 10 μ F	3	
	C158	43993053		C. Elec 35V 100 μ F	1	
	C130, 230, 605	43993054		C. Elec 35V 220 μ F	3	
	C603	43993057		C. Elec 35V 1000 μ F	1	
	C156, 256, 503, 504 506	43993060		C. Elec 50V 1 μ F	5	
	C141, 241	43993061		C. Elec 50V 2.2 μ F	2	
	C701	43993066		C. Elec 50V 33 μ F	1	
	C602	43993068		C. Elec 50V 100 μ F	1	
	C601	43993085		C. Elec 63V 470 μ F	1	

Packing Materials

		18801031	Bag, Polyethylene (1/12)	1	
		19800672	Bag-B, Polyethylene	1	
		19804061	Sheet, Protection	2	
		19804253	Filter, Carton	2	
		19804261	Bag, Protection	1	
		19804342	Display Box	1	
		78922113	Instruction Book	1	

Exploded View of Set (SG) / (BG)



Mechanism Parts List

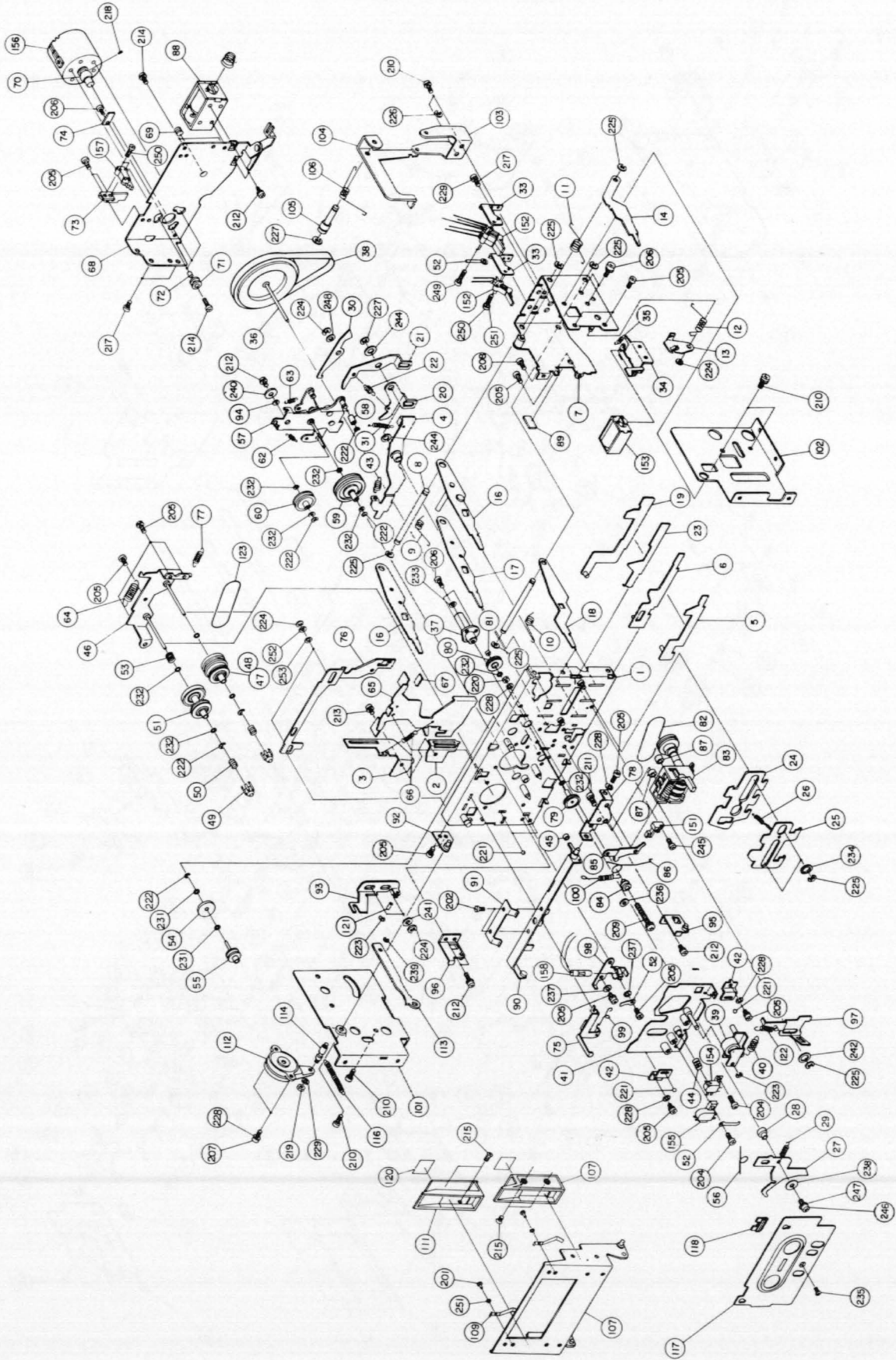
SYMBOL NO.	MECHANISM PARTS NO.	DESCRIPTION	Q'TY	REMARKS
1.	19980921	Chassis Ass'y	1	
2.	19980931	Guide	1	
3.	19980941	Guide	1	
4.	19980951	Play Lever Ass'y	1	
5.	19980961	FF Slide Ass'y	1	
6.	19980971	REW Slide Ass'y	1	
7.	19980981	Button Frame Ass'y	1	
8.	19980991	Shaft	2	
9.	19981001	Torsion Spring	2	
10.	19981011	Torsion Spring	4	
11.	19981021	Torsion Spring	1	
12.	19981031	Torsion Spring	1	
13.	19981041	PAUSE Lock	1	
14.	19981051	EJECT Lever	1	
15.	19981061	REC Lever	1	
16.	19981071	PAUSE Lever	1	
17.	19981081	PLAY Lever	1	
18.	19981091	Lever	3	
19.	19981101	PAUSE Slide Lever Ass'y	1	
20.	19981111	REW Interlock Lever	1	
21.	19981121	FF Interlock Lever	1	
22.	19981131	Stretch Coil Spring	1	
24.	19981141	REC Slide	1	
25.	19981151	Lock Slide A	1	
26.	19981171	Stretch Coil Spring	1	
27.	19981181	PAUSE Operation Lever	1	
28.	19981191	PAUSE Operation Lever Boss	1	
29.	19981201	Stretch Coil	1	
30.	19981211	Lever	1	
31.	19981221	Stretch Coil Spring	1	
32.	19981231	Supply Reel Hold Ring	1	
33.	19981241	Bracket, Switch Mounting	2	
34.	19981251	Standby Lever Ass'y	1	
35.	19981261	Stretch Coil Spring	1	
36.	19981271	Flywheel Ass'y	1	
37.	19981281	Bearing Ass'y	1	
38.	19981291	Belt	1	
39.	19981301	Pinch Roller	1	

SYMBOL NO.	MECHANISM PARTS NO.	DESCRIPTION	Q'TY	REMARKS
40.	19981311	Spring, Pinch Roller	1	
41.	19981321	Head Slide Ass'y	1	
42.	19981331	Spring Plate	2	
43.	19981341	Stretch Coil Spring	1	
44.	19981351	RP Head Azimuth Spring	1	
45.	19981361	Pipe	2	
46.	19981371	Bracket, Reel Mounting	1	
47.	19981381	Take-up Reel Ass'y	1	
48.	19981391	Coil Spring	1	
49.	19981401	Sleeve	2	
50.	19981411	Coil Spring	2	
51.	19981421	Supply Reel	1	
52.	19981431	Lead Clamp	3	
53.	19981441	Coil Spring	1	
54.	19981451	Take-up Idler Ass'y	1	
55.	19981461	Shaft Ass'y	1	
56.	19981471	Torsion Spring	1	
57.	19981481	Lever Ass'y	1	
58.	19981491	Operation Interlock Pipe	2	
59.	19981501	Clutch	1	
60.	19981511	Motor Interlock Idler Ass'y	1	
61.	19981521	FF Supply Idler Ass'y	1	
62.	19981531	Motor Interlock Coil Spring	1	
63.	19981541	FF Lever Coil Spring	1	
64.	19981551	Main Lever Coil Spring	1	
65.	19981561	Slide	1	
66.	19981571	Stretch Coil Spring	1	
67.	19981581	Brake Shoe	2	
68.	19981591	Bracket, Motor Mounting	1	
69.	19981601	Spindle Receiving	1	
70.	19981611	Pulley	1	
71.	19981621	Cushion	3	
72.	19981631	Spacer	3	
73.	19981641	Bracket, Switch Mounting	1	
74.	19981651	Bracket	1	
75.	19981661	Lever	1	
76.	19981671	Slide	1	
77.	19981681	Stretch Coil	1	
78.	19981691	Bracket	1	
79.	19981701	Counter Pulley	1	

SYMBOL NO.	MECHANISM PARTS NO.	DESCRIPTION	Q'TY	REMARKS
80.	19981711	Magnet Mounting Pulley	1	
81.	19601811	Magnet	1	
82.	19891731	Belt, Counter	1	
83.	18288331	Counter	1	
84.	19981751	Boss	1	
85.	19981761	Lever	1	
86.	19981771	Torsion Spring	1	
87.	19981781	Pipe	1	
88.	19981791	Plunger Solenoid	1	
89.	19981801	Bracket, Botton Mounting	1	
90.	19981811	Cassette Hold Lever Ass'y	1	
91.	19981871	Cassette Hold Spring	1	
92.	19981831	Bracket	1	
93.	19981841	Eject Lock Slide	1	
94.	19981851	Ring	1	
95.	19981861	Bracket, Case Left	1	
96.	19981871	Bracket, Case Right	1	
97.	19981881	Auto Stop Lever	1	
98.	19981891	Plate Spring, Lamp Holder	1	
99.	19981901	Torsion Spring	1	
100.	19981911	Cassette Holder Coil Spring	1	
101.	19525781	Mechanism Mounting Bracket L	1	
102.	19525871	Mechanism Mounting Bracket R	1	
103.	19525861	REC Selector Lever, Holder	1	
104.	19525761	REC Select Lever (A)	1	
105.	19981921	Shaft	1	
106.	19981931	Torsion Spring	1	
107.	19525801	Cassette Guide R	1	
108.	19407101	Pack Guide (R)	1	
109.	19525841	Cassette Holder Spring	2	
110.	19525791 (BG)	Cassette Guide L	1	
111.	19407091	Pack Guide (L)	1	
112.	18286221	Damper Unit	1	
113.	19525831	Damper Lever	1	
114.	19981941	Shaft	1	
115.	19981951	Damper Lever Collar	1	
116.	19981961	Stretch Coil Spring	1	
117.	18710891 (BG)	Ornamental, Cassette Botton Plate	1	
	18710771 (SG)	Ornamental, Cassette Botton Plate	1	
118.	19407131	Lamp Lens	1	

SYMBOL NO.	MECHANISM PARTS NO.	DESCRIPTION	Q'TY	REMARKS
119.	18711031(BG)	Cassette Guide Plate	1	
120.	19982191	Cushion	2	
121.	19982201	Pipe	1	
122.	19982211	Stretch Coil Spring	1	
123.	19982301	Belt	1	
151.	19981971	REW Memory Switch	1	
152.	19981981	Mounting Switch	3	
153.	19981991	Standby Plunger	1	
154.	79751074	RP Head	1	
155.	79751075	Erase Head	1	
156.	19987001	Motor	1	
157.	19982011	Motor Switch	1	
158.	19982221	Lamp	1	

Tape Transport Mechanism Exploded View (SG) (M-197)



Tape Transport Mechanism Exploded View (BG) (M-200)

