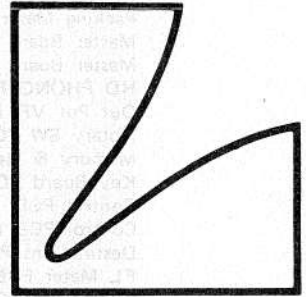
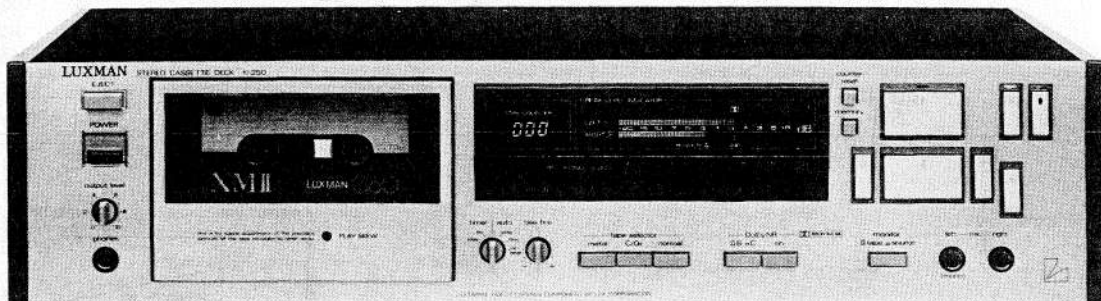


# SERVICE MANUAL



## LUXMAN STEREO CASSETTE DECK **K-250**

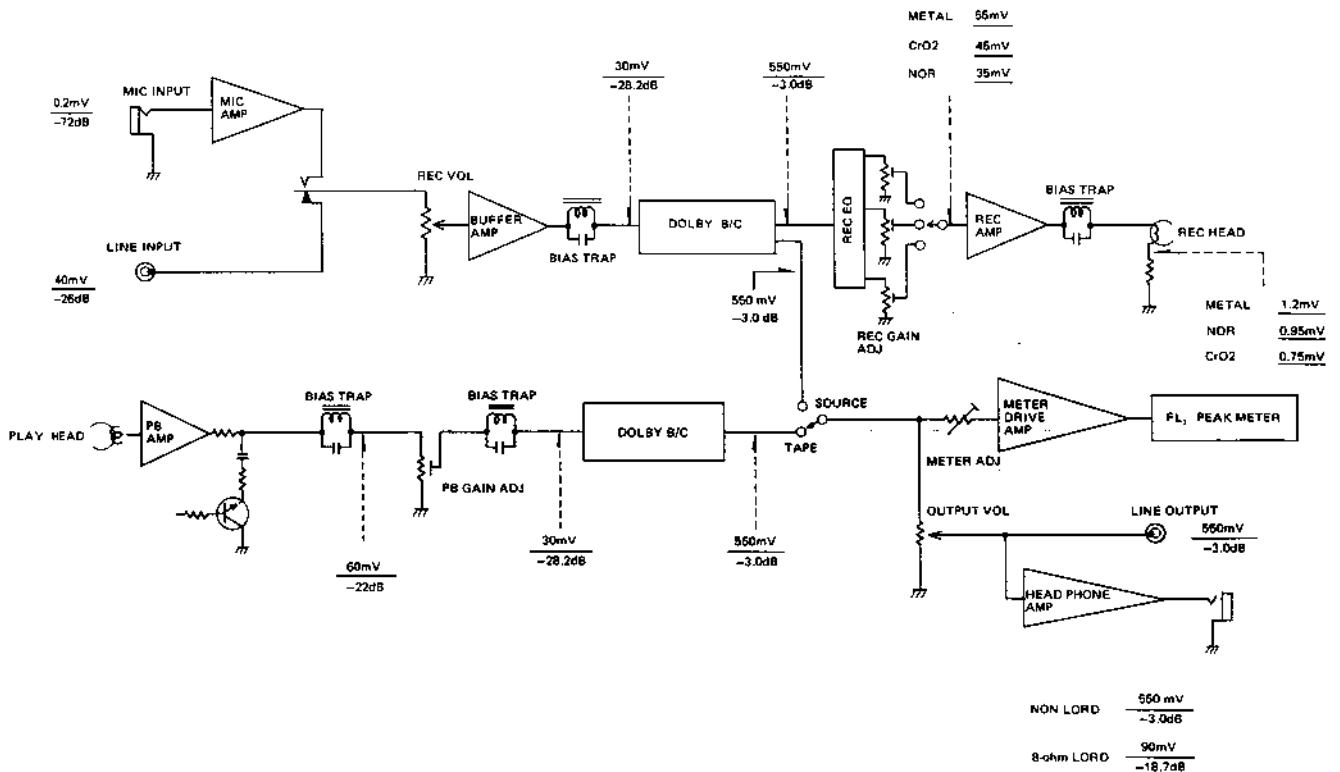


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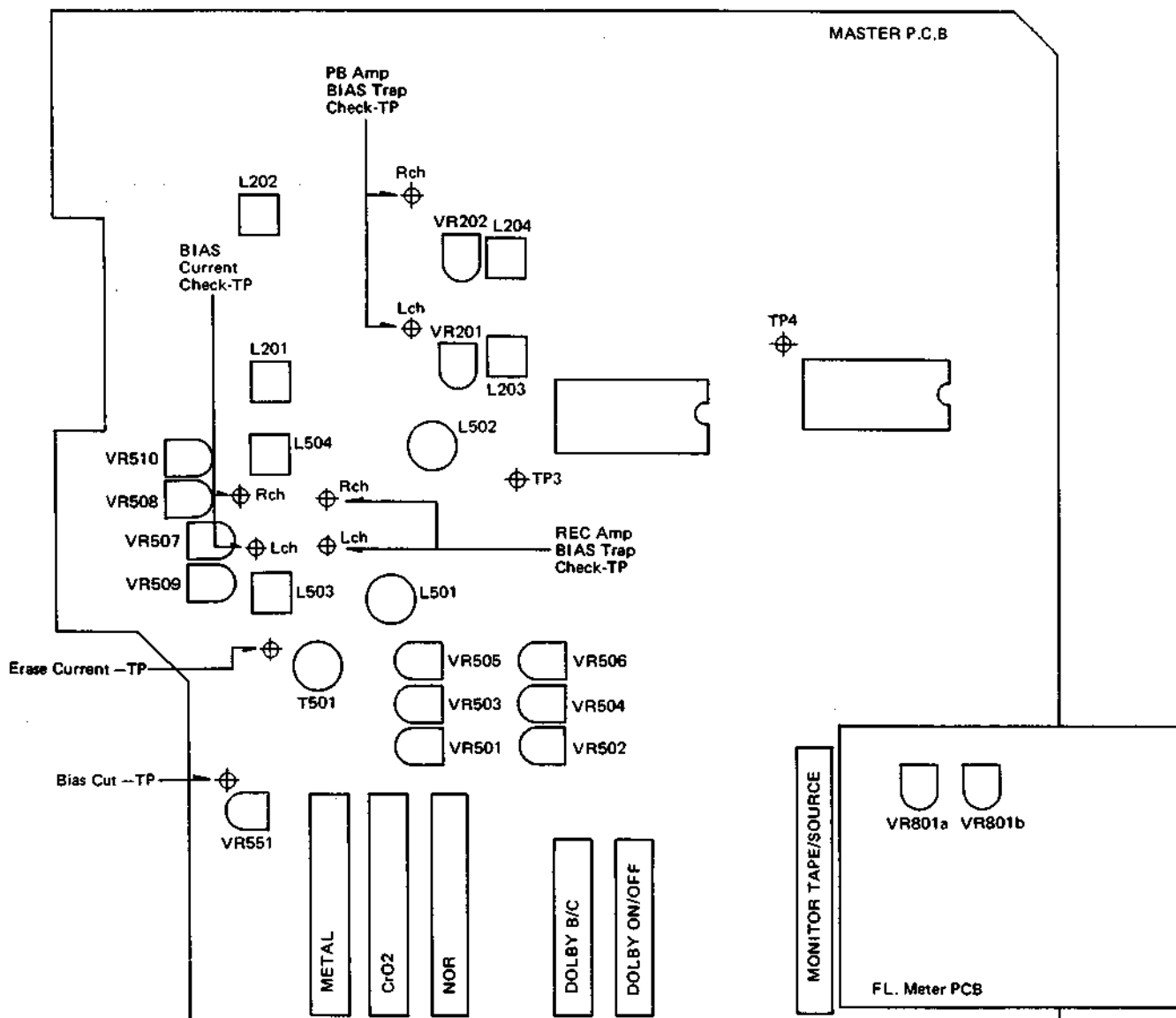
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## Level Diagram



# Adjustment Locations



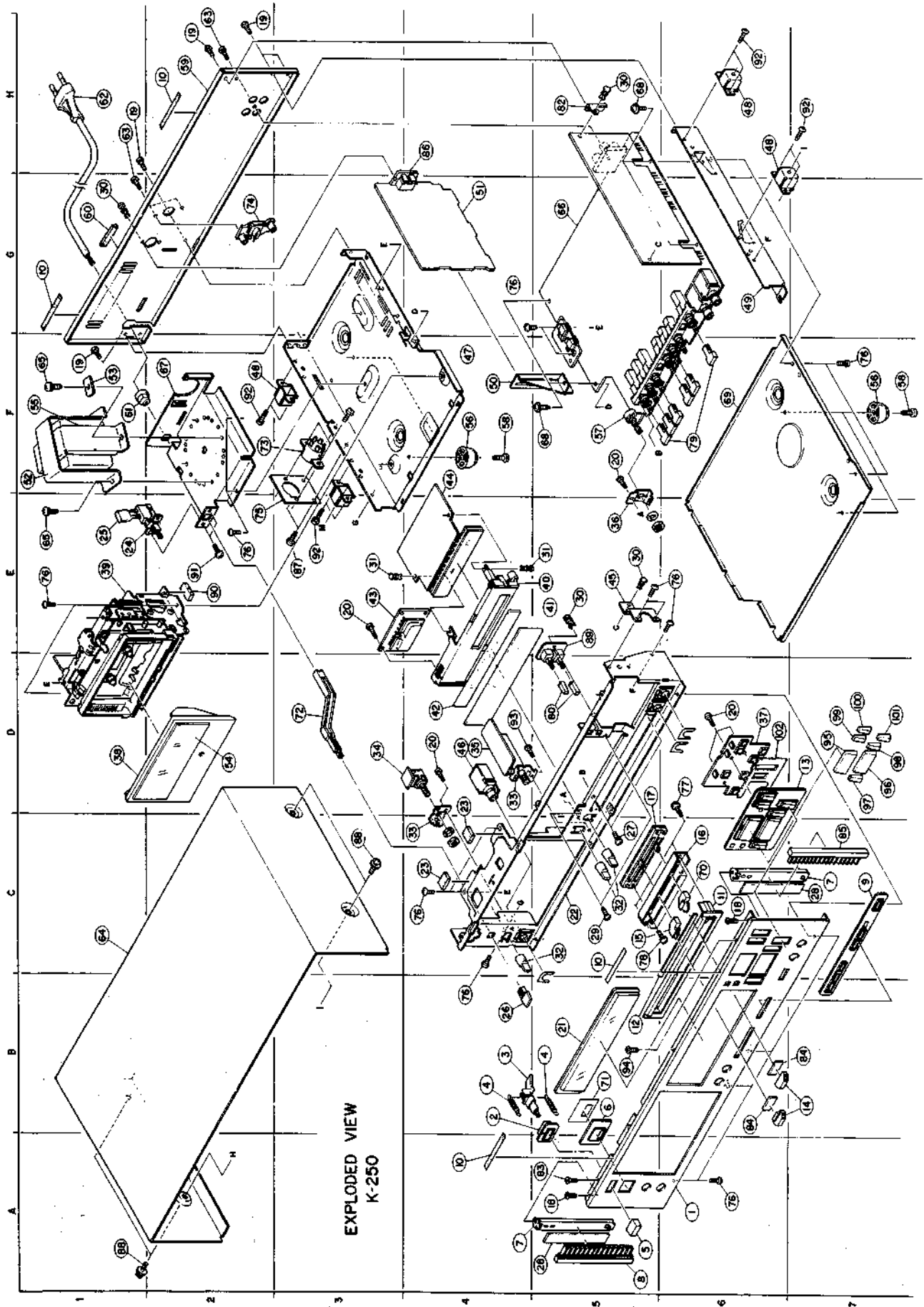
VR 201	Playback Dolby level Adj.	(L-ch)
VR 202	Playback Dolby level Adj.	(R-ch)
VR 501	Record Level Adj., Normal	(L-ch)
VR 502	Record Level Adj., Normal	(R-ch)
VR 503	Record Level Adj., CrO2	(L-ch)
VR 504	Record Level Adj., CrO2	(R-ch)
VR 505	Record Level Adj., Metal	(L-ch)
VR 506	Record Level Adj., Metal	(R-ch)
VR 507	Bias Current Adj., Normal	(L-ch)
VR508	Bias Current Adj., Normal	(R-ch)
VR 509	Bias Current Adj., Metal	(L-ch)
VR 510	Bias Current Adj., Metal	(R-ch)
VR 551	Bias Current Adj., CrO2	(L/R-ch)
VR 801 a	FL Meter Adj.	(L-ch)
VR 801 b	FL Meter Adj.	(R-ch)

# Adjustment Procedures

Step	Description	Mode	Adjusting Point	Test Point	Connection	Remarks
1	Tape Transportation Check	Play				Make sure that does not the tape guide of erase and R/P heads, by using "Skew Half".  Confirm that R/P head is placed without any tilt against the "M-300" gage.
2	Torque Check	Play, FF & Rew				Take Up Torque : 35-60 g. cm Back Tension Torque : 2-6 g. cm FF & Rew Torque : 70-130g. cm
3	Tape Speed and Wow Flutter Check	Playback		Line Out		Test Tape : MTT-111 (3KHz) Speed : 3000Hz±1.5% Wow Flutter : No more than 0.05% (JIS W.R.M.S.)
4	Head Azimuth Adjustment	Playback				Test Tape : MTT-114 (10KHz) or MTT-215C (315Hz, 10KHz) Line Out : Maximum of both channel
5	Playback Dolby Level Adjustment	Playback Tape Select : Normal Dolby NR : Off	VR201 Lch VR202 Rch			Test Tape : MTT-150 (400Hz, 200nWb/m) Line Out : 550mV
6	FL Meter Adjustment	Playback	VR801a Lch VR801b Rch	Meter Display		Test Tape : MTT-150 Meter Display : 0 dB
		Playback Tape Select : Normal Dolby NR : Off		Line Out		Test Tape : MTT217L or MTT-215C
		Playback Tape Select : CrO <sub>2</sub> Dolby NR : Off				Test Tape : MTT-114 or MTT-215CC
8	Bias OSC Frequency Check	Record Tape Select : Metal Dolby NR : Off	T501	Erase Current TP-GND		Input : Non TP Output : 105KHz±5KHz 250mV±20mV

Step	Description	Mode	Adjusting Point	Test Point	Connection	Remarks
9	Record Amp Bias Trap Adjustment	Record Tape Select : Metal Dolby NR : Off	L503 Lch L504 Rch	Rec Amp Bias Trap TP L/Rch -GND		Input : Non TP Output : Minimum
		Record Tape Select : Normal Dolby NR : Off	VR507 Lch VR508 Rch	Bias Current Check TP -GND		Input : Non TP Output : 7.5mV
		Record Tape Select : CrO <sub>2</sub> Dolby NR : Off	VR551 L/Rch			Input : Non TP Output : 9.5mV
10	Bias Current Adjustment	Record Tape Select : Metal Dolby NR : Off	VR509 Lch VR510 Rch			Input : Non TP Output : 18.5mV
		Record Tape Select : Normal Dolby NR : Off	Rec Level VR	Line Out		Input : 400Hz Line Out : 550mV
		Record/play Tape Select : Normal Dolby NR : Off	VR501 Lch VR502 Rch			Input : 400Hz Line Out : 550mV
11	Input Level Adjustment	Record/play Tape Select : CrO <sub>2</sub> Dolby NR : Off	VR503 Lch VR504 Rch			Input : 400Hz Line Out : 550mV
		Record/Play Tape Select : Metal Dolby NR : Off	VR505 Lch VR506 Rch			Input : 400Hz Line Out : 550mV
		Record/Play Tape Select : Metal Dolby NR : Off	Step 8-12			Input : 400Hz Line Out : 550mV
12	Record Level Adjustment and Check	Record/Play Tape Select : Metal Dolby NR : Off	VR501 Lch VR502 Rch			Record Tape : AC-711 Input : 20Hz-18KHz 4.5mV
		Record/Play Tape Select : CrO <sub>2</sub> Dolby NR : Off	VR503 Lch VR504 Rch			Record Tape : AC-512 Input : 20Hz-17KHz 4.5mV
		Record/Play Tape Select : Normal Dolby NR : Off	VR505 Lch VR506 Rch			Record Tape : AC-223 Input : 20Hz-16KHz 4.5mV
13	Record/Playback Frequency Response Check	Record/Play Tape Select : Metal Dolby NR : Off	Step 8-12			Record Tape : AC-711, AC-512 Input : 20Hz-18KHz 4.5mV
		Record/Play Tape Select : CrO <sub>2</sub> Dolby NR : Off	Step 8-12			Record Tape : AC-512 Input : 20Hz-17KHz 4.5mV
		Record/Play Tape Select : Normal Dolby NR : Off	Step 8-12			Record Tape : AC-223 Input : 20Hz-16KHz 4.5mV
14	Record/Playback Frequency Response Check Dolby	Record/Play Tape Select : M, C, N Dolby NR : B, C	Step 8-12			Record Tape : AC-711, AC-512 AC-223 Input : 20Hz-12.5KHz 4.5mV

# Exploded View(1)

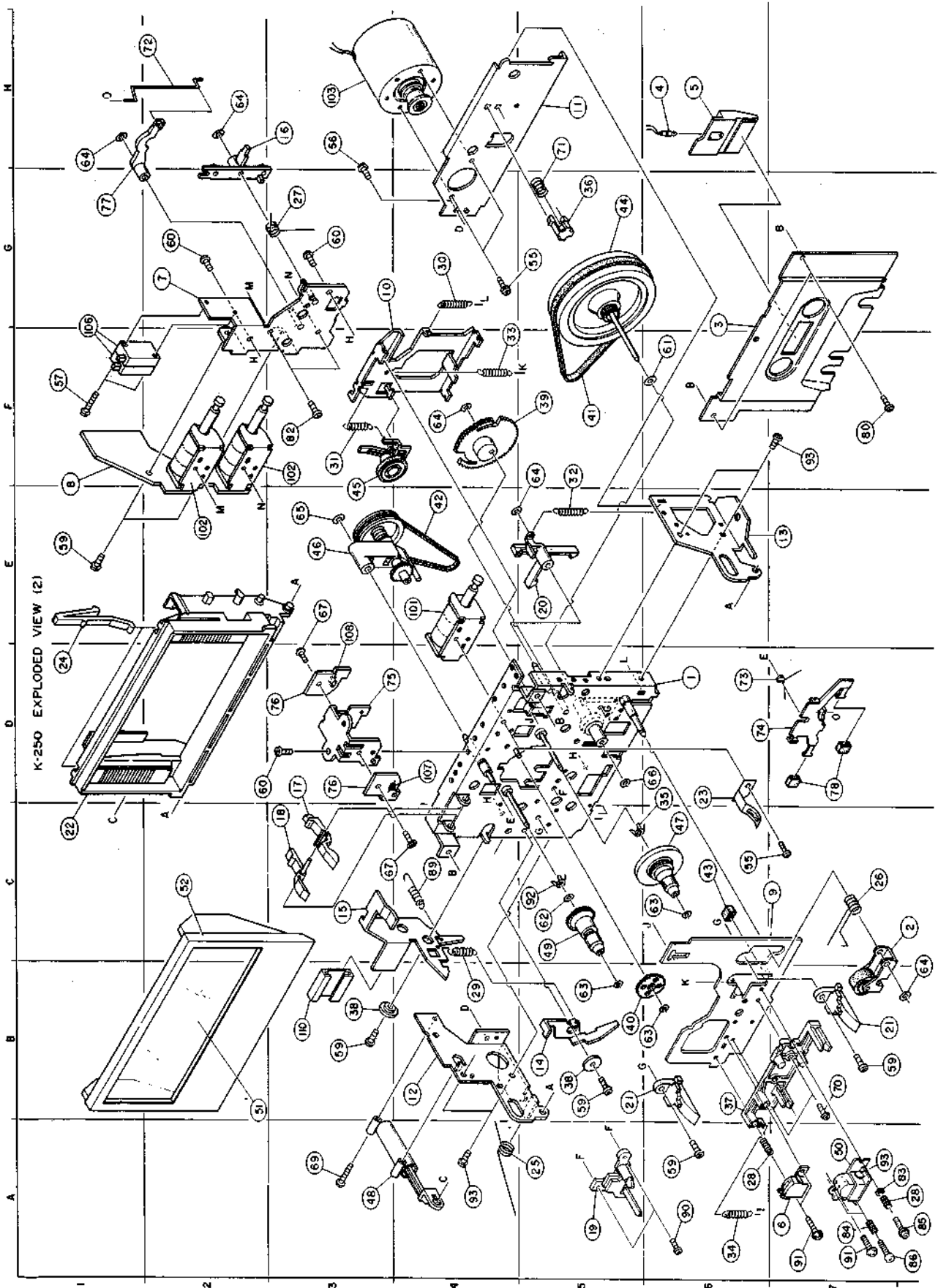


EXPLODED VIEW  
K-250

## Exploded View(1) Parts List

Index	Symbol No.	Stock No.	Description	Index	Symbol No.	Stock No.	Description
A6	1	64D57167F01	Panel, Front	D2	54	61C57187F01	Crystal, Door
B4	2	07A45558F04	Frame, Eject	F1	55	25T47457F01	Trans, Power (SK)
B4	3	45A50461F01	Lever, Eject			25T57592F01	Trans, Power (EK)
B4,B5	4	41A45559F01	Spring, Eject			25T50265F02	Trans, Power (UP)
A5	5	36A44340F05	Knob, Eject	F7,F4	56	75A52969F01	Pad, Trann-Leg
B5	6	61A56641F01	Crystal, Indicator	F5	57	18T52943F01	VR, Rotary (BIAS)
A4,C7	7	07A57175F01	Bkt, Side Panel	F4,F7	58	03S40036U02	Scr, T-Tite M3x8
A5	8	07B56624F01	Frame, Side Panel	H2	59	15C53244F07	Cover, Rear
C7	9	07B57171F01	Frame, Push Knob	G1	60	75A42565P17	Cushion, Rubber
C5,G1	10	75B44632G04	Pad, Cushion	F1	61	43B41625J02	Support, Cord (SK, EK)
C6	11	13C57168F01	Escutcheon, Vol			43B41625J01	Stopper, Cord (UP)
B5	12	43A57191F01	Spacer, Escutcheon	H1	62	28T43812P02	Plug, AC Cord (SK)
D7	13	07C57172F01	Frame, Knob Logic			28T50179F03	AC Cord (EK)
B7	14	36B57177F01	Knob, Control			28T40916U01	Plug, AC Cord (UP)
C5	15	43B57179F01	Spacer, Knob Cont "B"	H1,H2	63	03S40012G41	Scr, TPG M3x8
C6	16	07B57169F01	Bkt, Slide VR	C1	64	15D57189F01	Cover, Top
D5	17	18T52629F01	VR Slide, 20K	E1,F1	65	03S40036U07	Scr, T-Tite M4x12
A5,C6	18	03S44205G26	Scr, T-Tite M3x6	G5	66	01V58500F87	Ass'y, Master Board (SK)
F1,H2	19	03S44205G40	Scr, T-Tite M3x4			01V58700F47	Ass'y, Master Board (EK, UP)
F5,D4	20	03S40012G03	Scr, TPG M3x6	F2	67	07B45445F01	Bkt, Trans (SK, EK)
B5	21	61B57170F01	Crystal, Meter			07B45445F02	Bkt, Trans (UP)
C5	22	27D57181F01	Chassis, Front	F5	68	03C42723U01	Scr, CUP M3x6
C4	23	75A42565P15	Cushion, Rubber	E6	69	15C44331F01	Cover, Bottom
E1	24	40T45561F01	SW, Power (SK, EK)	C6	70	43B57178F01	Spacer, Knob Cont "A"
		40T47454F01	SW, Power (UP)	B5	71	43A56628F01	Spacer, Power
E1	25	08T57437F01	Cap, DE7090 B 101K (SK, UP)	D3	72	45B57186F01	Lever, Knob
		08T57437F09	Cap, DE7150FZ103P (EK)	F3	73	40T40705T04	SW, Select (EK)
		43T53136F01	Bush, Cap TPI50-301	G2	74	09T57505F01	Plate, Phono 1P T5538
B4	26	36A56639F02	Knob, Push 1171	E2	75	07A57583F01	Bkt, Select SW (EK)
C5	27	03C40014G04	Scr, MCH M3x6	E2,A6	76	03S44205G05	Scr, T-Tite M3x5
A5,C7	28	14S53018F52	Insulator (5x20)	D6	77	03S40018G02	Scr, TPG M3x8
C5	29	03S40012G03	Scr, TPG M3x6	C5	78	03C40014G12	Scr, MCH M2.6x4
E5,G1	30	05B41635J02	Rivet, Push	F6	79	36A57176F01	Knob, Push (A)
E3	31	05B41635J03	Rivet, Push	D5	80	36A57180F01	Knob, Push (B)
C5	32	36A57190F01	Knob, Rotary	H5	82	07A51010F01	Bkt, PCB
D4,C4	33	07A50281F01	Bkt, Volume	A5	83	03S40012G81	Scr, TPG M3x5 Flat B
D3,E3	34	01V58500F86	Ass'y, Output VR	B6	84	75A57370F01	Pad, Cushion
D4	35	01V58500F94	Ass'y, Rotary SW	C7	85	07B56624F02	Frame, Panel Side
E5	36	07A52464F01	Bkt, Bias VR	H4	86	09T50261F01	Jack, Cont
D6	37	01V58500F99	Ass'y, Keyboard SW	E3	87	03S44205G01	Scr, T-Tite M3x6 (EK)
D1	38	64B57188F01	Plate, Door	A1,C3	88	03S40036U01	Scr, T-Tite M4x8
E1	39	01U57000F55	FL87E32E DK	E5	89	01V58500F95	Ass'y, Memory & Rest
E5	40	07C57182F01	Frame, Meter	E2	90	75A42565P14	Cushion, 2x5x20
E5	41	91A57183F01	Filter, Meter (A)	E2	91	03C40014G09	Scr, MCH M3x5
D4	42	91A57220F01	Filter, Meter (B)	H7,E3	92	03S44205G12	Scr, T-Tite M3x4
E3	43	65T41785F01	Lamp, FL Counter Ass'y	D4	93	03C40014G09	Scr, MCH M3x5
F4	44	01V58200F93	Ass'y, FL Meter PCB	B5	94	03S44205G16	Scr, T-Tite M3x6
E5	45	07A51006F01	Bkt, PCB	D7	95	36B57173F01	Knob, Logic (Play)
D4	46	01V58500F11	Ass'y, HD Phone PCB	D7	96	36B57173F02	Knob, Logic (Stop)
F4	47	27C44535F01	Chassis, Bottom	D7	97	36A57174F01	Knob, Logic (F. F)
F2,H6	48	07A57185F01	Bkt, Side	D7	98	36A57174F02	Knob, Logic (REW)
G6	49	27C44329F01	Chassis, Side	D7	99	36A57174F03	Knob, Logic (Pause)
F4	50	07A50949F01	Support, Control PCB	D7	100	36A57174F04	Knob, Logic (REC)
G4	51	01V58500F10	Ass'y, Control PCB	D7	101	36A57174F05	Knob, Logic (RECMUTE)
F1	52	07A45749F01	Support, Trans (U)	D7	102	07A57192F01	Bkt, Stopper
F1	53	07A40871F01	Support, Trans Washer				

# Exploded View(2)

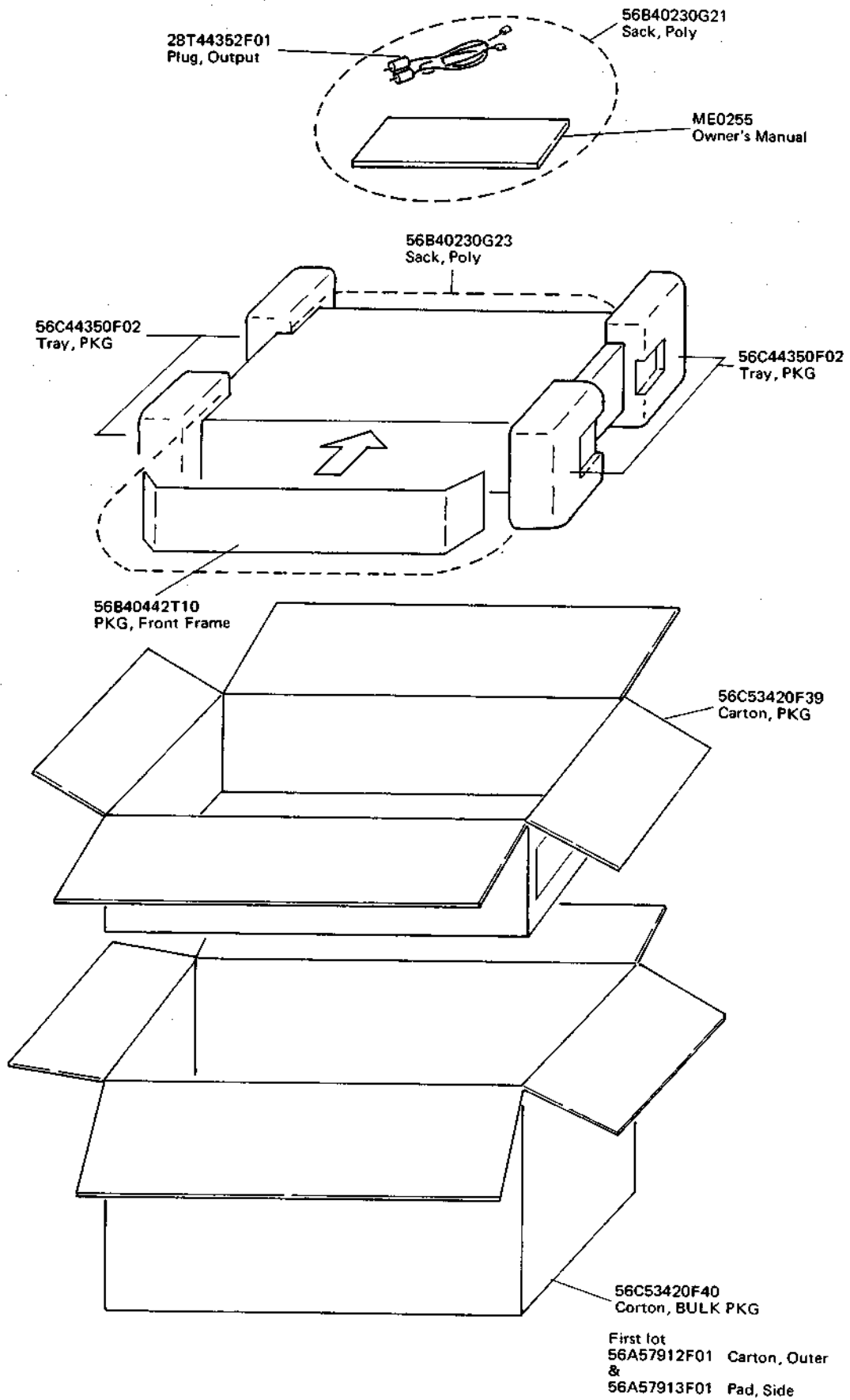




## Exploded View(2) Parts List

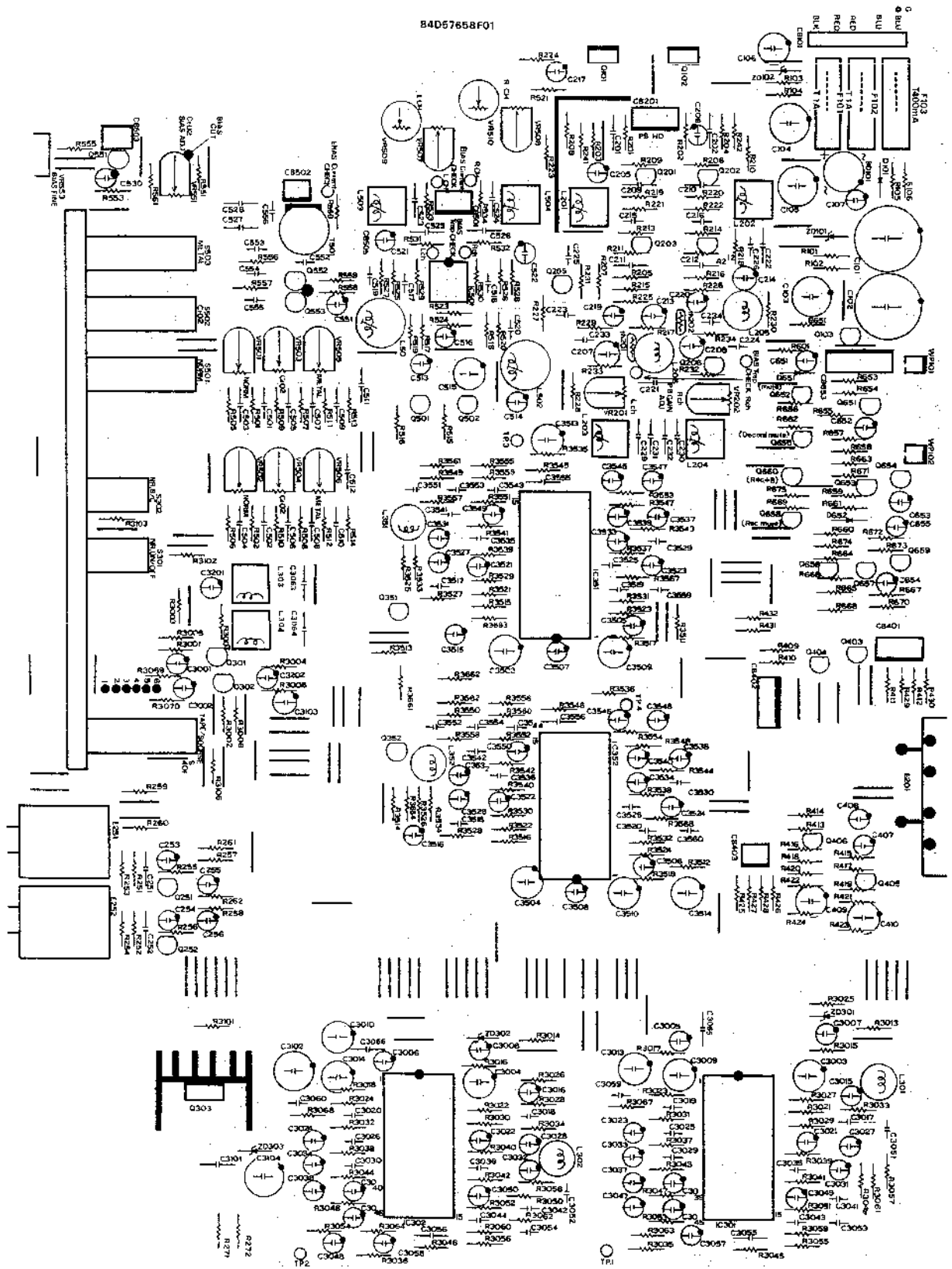
Index	Symbol No.	Stock No.	Description	Q'ty	Index	Symbol No.	Stock No.	Description	Q'ty
D6	1	F011-139	Ass'y, Chassis	1	A7	50	FU12V-12	Head, R/P (Combi)	1
C7	2	F014-053	Ass'y, Pinchroller	1	B2	51	61C57187F01	Crystal Door	1
G6	3	15B44924F05	Cover, Dust	1	C2	52	64B57188F01	Plate, Door	1
H5	4	65C42544U04	Lamp,Pilot 14V-50mA	1	C6,G5	55	FG114-15	M2.6×4.5 Screw	3
H5	5	61A44936F01	Lens, Indicator	1	H3	56	KG189-11	M3×5 Screw	5
A7	6	FU163-13	Head, Erase	1	F1	57	FG143-29	M2.6×16 Screw	2
G2	7	F214-015	Ass'y, Solenoid Bkt	1	A6,B3	59	KG194-12	M3×6 Screw, TPG	7
F1	8	FP11N-11	Panel, Connector	1	D2,G2	60	KG194-46	M3×4.5 Screw, TPG	3
C7	9	FC17D-13	Base, Head	1	F6	61	FJ111-40	φ2.1×0.5 (F/W)	1
G3	10	FR346-11	Base, Assist	1			Washer Poy		
H5	11	FR347-12	Bkt, Motor	1	C5	62	FJ111-18	φ2×0.25	1
B4	12	FR349-17	Bkt, Dumper	1			Washer Poy		
E7	13	FR350-15	Bkt, Door	1	B5,C6	63	FJ111-17	φ1.7	3
B5	14	FR352-11	Lever, Safety	1	B7,F4	64	FJ123-21	φ2.6	5
C3	15	FC11H-14	Lock Arm, Eject	1	E3	65	FJ123-19	Washer, Lock 3.5φ	1
H3	16	FR355-14	Arm, FF Solenoid	1	D6	66	FJ141-12	Oilsheel	1
D3	17	FR356-14	Arm, Switch	1	C3,E3	67	FG137-11	M2×3 Screw, Lock	2
C3	18	FD17T-13	Arm, Record	1	A3	69	UG11D-11	M2×12 Screw, TPG	1
A5	19	FR13V-12	Ass'y, Tension Arm	1	B7	70	FG137-13	M2×5 Screw, Lock	2
E5	20	FR359-12	Solenoid, Arm Play	1	H5	71	FK11F-16	Spring Thrust	1
B5,B7	21	FR360-12	Guide, Cassette	2	H2	72	FK11Y-13	Brake, Lod	1
C1	22	FD19L-14	Door, Frame	1	D6	73	FK12A-11	Spring, Brake	1
D6	23	FK551-13	Spring, Cassette	1	D6	74	FC15G-13	Lever, Brake	1
D1	24	FK553-12	Hold, Spring	2	D3	75	FG15H-11	Bkt, Sencer	1
A5	25	FK568-11	Spring, Door	1	D3	76	FP11E-11	Panel,Sencer	2
C7	26	FK569-13	Spring, Pinchroller	1	G1	77	FD12W-12	Arm, Brake	1
G3	27	FK570-12	Spring, Solenoid Bkt	1	D7	78	FF11C-13	Gum, Brake	2
A7	28	FK572-11	Spring, Azimuth	2	F7	80	03S40036U03	Scr, Fttc M3×6	
B4	29	FK573-11	Spring, Arm Lock	1	F3	82	FG143-17	M2.6×3 Screw	2
G4	30	FK574-13	Spring, Assist base	1	A7	83	FJ151-11	Bkt, Flat	1
F3	31	FK575-11	Spring, Play Idler	1	A7	84	FK11F-23	Spring, Tilt	2
F5	32	FK576-12	Spring, Play S.I. Arm	1	A7	85	UG11K-12	M2×18 Screw, Bind-	1
F4	33	FK577-13	Spring, Head Base	1			ing		
A6	34	FK578-13	Spring, Head Base	1	A7	86	UG11M-11	Screw, Tilt	2
			Hold		C4	89	FK11C-19	Spring, Brake Arm	1
D6	35	FK579-11	Spring, Back Tension	1	A6	90	FG137-12	M2×4 Screw	2
G5	36	FM281-12	Spacer, Flywheel	1			Lock		
B6	37	FD14U-14	Spacer, Head	1	A7	91	UG11K-11	M2×11.5 Screw,	3
B3,B5	38	FM296-11	Spacer	2			Binding		
F5	39	FN153-11	Gear,Play	1	C5	92	FK579-13	Spring, Back Tension	1
B5	40	FN154-13	Gear, Idler	1	A4,F7	93	EZ15E-00	Thermistor	1
F5	41	FP462-11	Belt, Main	1	E4	101	F082-044	Ass'y, Solenoid	1
E4	42	FP463-11	Belt, Sub	1	E2,F3	102	PKA16106	Solenoid	2
C6	43	FP464-11	Cushion, Pad	1	H3	103	F064-93	Ass'y, Motor	1
G5	44	FR13L-11	Ass'y, Flywheel	1	F1	106	FE173-11	Switch, Slide	2
F3	45	FP469-12	Ass'y, Idler	1	D4	107	AU11C-00	LED Senser TLN104	1
E3	46	FP470-11	Ass'y, Clutch	1	E3	108	AZ11H-00	Transistor, Sencer	1
C6	47	FR12N-11	Ass'y, Take Up Reel	1			TPS605		
A3	48	FP472-11	Ass'y, Dumper	1	B3	110	43A51937F01	Spacer, Eject	1
C5	49	FR12P-11	Ass'y, Supply Reel	1					

# Packing Material Parts List



# Master Board

B4D57658F01



K-250

# Master Board Parts List

Symbol No.	Stock No.	Description	Symbol No.	Stock No.	Description
<b>(Jack)</b>			<b>(Transistor)</b>		
E201	09T56001E01	Phono, Plate	Q101,102	48T42620F02	2SD880-Y
E251,252	09T55174F02	Jack, Mic Metal-6.5	Q103	48S43525F05	2SC1815Y GR
<b>(Holder, Fuse)</b>			Q201,202	48T41195U04	2SC2263-U
F101	09T45548F01	Holder, Fuse (SK)	Q203,204	48S47708F04	2SC1842
F102	09T45548F01	Holder, Fuse (SK)	Q205,206	48S43525F05	2SC1815Y GR
F103	09T45548F01	Holder, Fuse (SK)	Q251,252	48S47708F04	2SC1842
<b>(Fuse &amp; Jumper Wire)</b>			Q301,302	48S47708F04	2SC1842
F101	65T42077U16	Fuse, Semko 1A(SK)	Q303	48T40469U01	2SC1983
	30A44183F06	Jumper Wire (EK, UP)	Q351,352	48T51873F01	2SC2878 A, B
F102	65T42077U16	Fuse, Semko 1A(SK)	Q403,404	48S43525F05	2S1815Y GR
	30A44183F06	Jumper Wire (EK, UP)	Q405,406	48S40832F04	2SC1318NC-S
F103	65T42077U12	Fuse, Semko (SK)	Q501,502	48S43525F05	2SC1815Y GR
F103	30A44183F06	Jumper Wire (EK, UP)	Q551	48S40832F04	2SC1318NC-S
<b>(Variable Resistor)</b>			Q552,553	48S40832F04	2SC1318NC-S
VR201,202	18C42061J15	50K	Q651	48S43525F05	2SC1815Y GR
VR501,502	18C42061J24	20K	Q652	48T40081T03	2SA733 (P)
VR503,504	18C42061J24	20K	Q653,654	48S43525F05	2SC1815Y GR
VR505,506	18C42061J24	20K	Q655	48T40081T03	2SA733 (P)
VR507,508	18C42061J15	50K	Q656,657	48S43525F05	2SC1815Y GR
VR509,510	18B44064J04	47K	Q658	48T40081T03	2SA733 (P)
VR551	18C42061J12	2K	Q659	48S43525F05	2SC1815Y GR
VR553	18T52943F01	VR, Rotary(BIAS)	Q660	48T40081T03	2SA733 (P)
<b>(Coil)</b>			<b>(Capacitor)</b>		
L201,202	24T51914F02	Coil, Trap 10mH	C101	23S41198U67	100uF 50V E1
L203,204	24T51914F01	Coil, Trap 4.7mH	C102	23S41198U72	2200uF 25V E1
L205,206	24S41448F81	Inductor Radial 4700uH	C103	23S41198U42	220uF 25V E1
L301,302	24T47741F01	Inductor, 36mH	C104	23S41198U56	470uF 16V E1
L303,304	24T51803F01	Coil, Trap 4.7mH	C105	23S41198U42	220uF 25V E1
L351,352	24T47741F01	Inductor, 36mH	C106	23S40657F14	100uF 16V E1
L501,502	24S41199U07	Coil, 3.3mH	C107	23S40657F28	1uF 50V E1
L503,504	24T51914F01	Coil, Trap 4.7mH	C201,202	08S44505P42	270pF Ce
<b>(Trans, OSC)</b>			C205,206	23T42478F24	1uF 50V LN E1
T501	25T53107F01	Trans, OSC	C207	23S40657F18	22uF 25V E1
<b>(Switch, Push)</b>			C208	23S40657F21	100uF 25V E1
S301,302	40T57673F01	SUL-6	C209,210	08S44505P45	470pF Ce
401,501			C211,212	08S44505P31	56pF Ce
502,503			C213,214	23S40657F20	47uF 25V E1
<b>(Diode)</b>			C251,216	08S40656F07	0.0033uF My
BD101	48T50629F01	WL-02	C217	23S40657F20	47uF 25V E1
<b>(IC)</b>			C219,220	23T42478F11	10uF 25V LN E1
IC301,302	51T52160F01	HA12038-01	C221,222	08S44505P49	1000pF Ce
IC351,352	51T52160F01	HA12038-01	C223,224	08S40656F14	0.012uF My
IC501	51S43471U02	uPC4558C	C225,226	08S40805F03	220pF Ce
<b>(Fuse)</b>			C229,230	08S44505P45	470pF Ce
F101	65T42077U16	Fuse, Semko 1AT	C231,232	08S44505P50	1200pF Ce
F102	65T42077U16	Fuse, Semko 1AT	C233,234	08S40805F05	470pF Ce
F103	65T42077U12	Fuse, Semko	C251,252	08S44505P49	1000pF Ce
<b>(Thermistor)</b>			C253,254	23T42478F09	4.7uF 25V LN E1
TH201,202	48T57369F15	5.0K	C255,256	23T42478F11	10uF 25V LN E1
<b>(Diode)</b>			C310,311	08S44505P45	470pF Ce
D101	48T55186F01	GP10D	C407,408	23S40657F29	2.2uF 50V E1
D651,652	48T51582F01	MA-150	C409,410	23S40657F09	220uF 10V E1
<b>(Diode, Zener)</b>			C501,502	08S44505P49	1000pF Ce
ZD101	48T52739F86	HZ20-2	C503,504	08S44505P41	220pF Ce
ZD102	48T52739F74	HZ12B-2	C507,508	08S40656F01	0.0010uF My
ZD301	48T52739F38	HZ6B-2	C509,510	08S40656F01	0.0010uF My
ZD302	48T52739F38	HZ6B-2	C511,512	08S44505P49	1000pF Ce
ZD303	48T52739F74	HZ12B-2	C513,514	23T42478F24	1.0uF 50V LN E1

Symbol No.	Stock No.	Description			Symbol No.	Stock No.	Description		
C515	23S40657F21	100uF	25V	E1	C3515,3516	23S40657F10	10uF	16V	E1
C516	23S40657F10	10uF	16V	E1	C3517,3518	08S40656F04	0.0018uF		My
C517,518	08S40656F25	0.10uF		My	C3519,3520	08S40656F15	0.015uF		My
C519,520	08S40656F12	0.0082uF		My	C3521,3522	23S40657F27	0.47uF	50V	E1
C521,522	23T42478F09	4.7uF	25V LN	E1	C3523,3524	23S40657F10	10uF	16V	E1
C523,524	08S44505P45	470pF		Ce	C3525,3526	08S40656F13	0.010uF		My
C525,526	08S44505P41	220pF		Ce	C3527,3528	23T42478F19	0.15uF	50V LN	E1
C527,528	08S44505P37	100pF		Ce	C3529,3530	08S40656F16	0.018uF		My
C530	23S40657F16	4.7uF	25V	E1	C3531,3532	23S40657F16	4.7uF	25V	E1
C551	23S40657F20	47uF	25V	E1	C3533,3534	23S40657F16	4.7uF	25V	E1
C552	08S40656F13	0.010uF		My	C3535,3536	08S40656F24	0.082uF		My
C553	08S40656F07	0.0033uF		My	C3537,3538	23T42478F21	0.33uF	50V LN	E1
C554	08S40656F11	0.0068uF		My	C3539,3540	23T42478F21	0.33uF	50V LN	E1
C555	08S40656F07	0.0033uF		My	C3541,3542	08S40656F07	0.0033uF		My
C556	08T52448F35	0.0082uF		My	C3543,3544	08S40656F01	0.0010uF		My
C651	23S40657F18	22uF	25V	E1	C3545,3546	23S40657F28	1uF	50V	E1
C652,655	23S40657F16	4.7uF	25V	E1	C3547,3548	23S40657F28	1uF	50V	E1
C653	23S40657F17	10uF	25V	E1	C3549,3550	23S40657F10	10uF	16V	E1
C654	23S40657F17	10uF	25V	E1	C3551,3552	08S40656F08	0.0039uF		My
C3001,3002	23T42478F05	10uF	16V LN	E1	C3553,3554	08S40656F10	0.0056uF		My
C3003,3004	23S40657F14	100uF	16V	E1	C3555,3556	08S44505P27	39pF		Ce
C3005,3006	23T42478F05	10uF	16V LN	E1	C3559,3560	08S40656F15	0.015uF		My
C3007,3008	23S40657F13	47uF	16V	E1	(Resistor)				
C3009,3010	23S40657F14	100uF	16V	E1	R101,102	06S44593P75	2.7K	1/4W	Rd
C3013,3014	23S40657F09	220uF	10V	E1	R103,104	06S44593P61	680	1/4W	Rd
C3015,3016	23S40657F10	10uF	16V	E1	R105	06S44593P89	10K	1/4W	Rd
C3017,3018	08S40656F04	0.0018uF		My	R106	06S44593P75	2.7K	1/4W	Rd
C3019,3020	08S40656F15	0.015uF		My	R201,202	06S44593P01	2.2	1/4W	Rd
C3021,3022	23S40657F27	0.47uF	50V	E1	R203,204	06S44594P10	68K	1/4W	Rd
C3023,3024	23S40657F10	10uF	16V	E1	R205	06S44593P93	15K	1/4W	Rd
C3025,3026	08S40656F13	0.010uF		My	R206	06S44594P14	100K	1/4W	Rd
C3027,3028	23T42478F19	0.15uF	50V LN	E1	R207	06S44593P97	22K	1/4W	Rd
C3029,3030	08S40656F16	0.018uF		My	R208	06S44593P61	680	1/4W	Rd
C3031,3032	23S40657F16	4.7uF	25V	E1	R211,212	06S44594P02	33K	1/4W	Rd
C3033,3034	23S40657F16	4.7uF	25V	E1	R213,214	06S44594P42	1.5M	1/4W	Rd
C3035,3036	08S40656F24	0.082uF		My	R215	06S44594P14	100K	1/4W	Rd
C3037,3038	23T42478F21	0.33uF	50V LN	E1	R216	06S44593P93	15K	1/4W	Rd
C3039,3040	23T42478F21	0.33uF	50V LN	E1	R217,218	06S44593P69	1.5K	1/4W	Rd
C3041,3042	08S40656F07	0.0033uF		My	R219,220	06S44594P03	36K	1/4W	Rd
C3043,3044	08S40656F10	0.0010uF		My	P221,222	06S44594P37	910K	1/4W	Rd
C3045,3046	23S40657F28	1uF	50V	E1	R223	06S44593P93	15K	1/4W	Rd
C3047,3048	23S40657F28	1uF	50V	E1	R224	06S44593P89	10K	1/4W	Rd
C3049,3050	23S40657F10	10uF	16V	E1(SK)	R225,226	06S44593P81	4.7K	1/4W	Rd
C3051,3052	08S40656F08	0.0039uF		My	R227,228	06S44593P89	10K	1/4W	Rd
C3053,3054	08S40656F10	0.0056uF		My	R229,230	06S44593P81	4.7K	1/4W	Rd
C3055,3056	08S44505P27	39pF		Ce	R231,232	06S44594P14	100K	1/4W	Rd
C3057,3058	23S40657F10	10uF	16V	E1	R233,234	06S44593P83	5.6K	1/4W	Rd
C3059,3060	08S40656F15	0.015uF		My	R241,242	06S44594P26	330K	1/4W	Rd
C3063,3064	08T44481F05	0.00047uF		Pp	R251,252	06S44593P57	470	1/4W	Rd
C3065,3066	08S44505P50	1200pF		Ce	R253,254	06S44593P89	10K	1/4W	Rd
C3102	23S41198U41	220uF	16V	E1	R255,256	06S44594P38	1M	1/4W	Rd
C3103	23S40657F20	47uF	25V	E1	R257,258	06S44593P89	10K	1/4W	Rd
C3104	23S41198U56	470uF	16V	E1	R259,260	06S44594P14	100K	1/4W	Rd
C3201,3202	23T42478F05	10uF	16V LN	E1	R261,262	06S44594P30	470K	1/4W	Rd
C3503,3504	23S40657F14	100uF	16V	E1	R271,272	06S44593P91	12K	1/4W	Rd
C3505,3506	23T42478F24	1.0uF	50V LN	E1	R409,410	06S44593P81	4.7K	1/4W	Rd
C3507,3508	23S40657F13	47uF	16V	E1	R411,412	06S44593P55	390	1/4W	Rd
C3509,3510	23S40657F14	100uF	16V	E1	R413,414	06S44594P04	39K	1/4W	Rd
C3513,3514	23S40657F09	220uF	10V	E1	R415,416	06S44593P61	680	1/4W	Rd

Symbol No.	Stock No.	Description	Symbol No.	Stock No.	Description
R417,418	06S44593P61	680 1/4W Rd	R3017,3018	06S44593P83	5.6K 1/4W Rd
R419,420	06S44593P61	680 1/4W Rd	R3021,3022	06S44593P87	8.2K 1/4W Rd
R421,422	06S44593P61	680 1/4W Rd	R3023,3024	06S44593P93	15K 1/4W Rd
R423,424	06S44593P89	10K 1/4W Rd	R3025,3026	06S44593P82	5.1K 1/4W Rd
R425,426	06S44593P23	18 1/4W Rd	R3027,3028	06S44593P87	8.2K 1/4W Rd
R427,428	06S44593P23	18 1/4W Rd	R3029,3030	06S44593P77	3.3K 1/4W Rd
R429,430	06S44593P65	1K 1/4W Rd	R3031,3032	06S44593P82	5.1K 1/4W Rd
R431,432	06S44593P41	100 1/4W Rd	R3033,3034	06S44593P65	1K 1/4W Rd
R501,502	06S44594P06	47K 1/4W Rd	R3035,3036	06S44593P47	180 1/4W Rd
R505,506	06S44594P10	68K 1/4W Rd	R3037,3038	06S44594P06	47K 1/4W Rd
R507,508	06S44594P30	470K 1/4W Rd	R3039,3040	06S44594P12	82K 1/4W Rd
R509,510	06S44594P08	56K 1/4W Rd	R3041,3042	06S44593P84	6.2K 1/4W Rd
R511,512	06S44594P06	47K 1/4W Rd	R3043,3044	06S44593P84	6.2K 1/4W Rd
R513,514	06S44594P18	150K 1/4W Rd	R3045,3046	06S44593P87	8.2K 1/4W Rd
R515,516	06S44593P89	10K 1/4W Rd	R3047,3048	06S44594P12	82K 1/4W Rd
R517,518	06S44594P08	56K 1/4W Rd	R3049,3050	06S44593P50	240 1/4W Rd
R519,520	06S44593P77	3.3K 1/4W Rd	R3051,3052	06S44593P81	4.7K 1/4W Rd
R521	06S44593P57	470 1/4W Rd	R3053,3054	06S44594P38	1M 1/4W Rd
R523,524	06S44594P24	270K 1/4W Rd	R3055,3056	06S44594P08	56K 1/4W Rd
R525,526	06S44594P02	33K 1/4W Rd	R3057,3058	06S44593P49	220 1/4W Rd
R527,528	06S44593P47	180 1/4W Rd	R3059,3060	06S44593P89	10K 1/4W Rd
R529,530	06S44594P20	180K 1/4W Rd	R3061,3062	06S44594P10	68K 1/4W Rd
R531,532	06S44593P81	4.7K 1/4W Rd	R3063,3064	06S44593P82	5.1K 1/4W Rd
R533,534	06S44593P17	10 1/4W Rd	R3067,3068	06S44593P41	100 1/4W Rd
R551	06S44593P63	820 1/4W Rd	R3069,3070	06S44593P41	100 1/4W Rd
R553	06S44593P77	3.3K 1/4W Rd	R3101	06S44593P65	1K 1/4W Rd
R555	06S44593P83	5.6K 1/4W Rd	R3102	06S44593P83	5.6K 1/4W Rd
R556,557	06S44593P97	22K 1/4W Rd	R3103	06S44593P81	4.7K 1/4W Rd
R558,559	06S44593P33	47 1/4W Rd	R3106	06S44593P57	470 1/4W Rd
R560	06S44593P01	2.2 1/4W Rd	R3511,3512	06S44593P89	10K 1/4W Rd
R561	06S44593P61	680 1/4W Rd	R3513,3514	06S44594P02	33K 1/4W Rd
R601	06S44593P77	3.3K 1/4W Rd	R3515,3516	06S44593P89	10K 1/4W Rd
R651	06S44593P97	22K 1/4W Rd	R3517,3518	06S44594P08	56K 1/4W Rd
R653	06S44593P97	22K 1/4W Rd	R3521,3522	06S44593P87	8.2K 1/4W Rd
R654	06S44593P97	22K 1/4W Rd	R3523,3524	06S44593P93	15K 1/4W Rd
	06S44594P06	47K 1/4W Rd	R3525,3526	06S44593P82	5.1K 1/4W Rd
		(EK. UP)	R3527,3528	06S44593P87	8.2K 1/4W Rd
R655,656	06S44593P89	10K 1/4W Rd	R3529,3530	06S44593P77	3.3K 1/4W Rd
R657,658	06S44593P97	22K 1/4W Rd	R3531,3532	06S44593P82	5.1K 1/4W Rd
R659,660	06S44593P89	10K 1/4W Rd	R3533,3534	06S44593P65	1K 1/4W Rd
R661	06S44593P95	18K 1/4W Rd(SK)	R3535,3536	06S44593P47	180 1/4W Rd
R662	06S44593P89	10K 1/4W Rd	R3537,3538	06S44594P06	47K 1/4W Rd
R663,664	06S44593P97	22K 1/4W Rd	R3539,3540	06S44594P12	82K 1/4W Rd
R665,666	06S44593P89	10K 1/4W Rd	R3541,3542	06S44593P84	6.2K 1/4W Rd
R667	06S44593P89	10K 1/4W Rd	R3543,3544	06S44593P84	6.2K 1/4W Rd
R668	06S44593P93	15K 1/4W Rd	R3545,3546	06S44593P87	8.2K 1/4W Rd
R669,670	06S44593P89	10K 1/4W Rd	R3547,3548	06S44594P12	82K 1/4W Rd
R671	06S44593P81	4.7K 1/4W Rd	R3549,3550	06S44593P50	240 1/4W Rd
R672,673	06S44593P97	22K 1/4W Rd	R3551,3552	06S44593P81	4.7K 1/4W Rd
R674,675	06S44593P89	10K 1/4W Rd	R3553,3554	06S44594P38	1M 1/4W Rd
R680	06S41801P44	10K 1/4W Rd	R3555,3556	06S44594P08	56K 1/4W Rd
R3001,3002	06S44594P24	270K 1/4W Rd	R3557,3558	06S44593P49	220 1/4W Rd
R3003,3004	06S44594P06	47K 1/4W Rd	R3559,3560	06S44593P89	10K 1/4W Rd(SK)
R3005,3006	06S44593P74	2.4K 1/4W Rd	R3561,3562	06S44594P10	68K 1/4W Rd
R3007,3008	06S44593P71	1.8K 1/4W Rd	R3567,3568	06S44593P41	100 1/4W Rd
R3013,3014	06S44594P02	33K 1/4W Rd	R3661,3662	06S44593P81	4.7K 1/4W Rd
R3015,3016	06S44593P89	10K 1/4W Rd	R3663,3664	06S44593P41	100 1/4W Rd

### HD PHONO PARTS LIST

Symbol No.	Stock No.	Description
(Jack, Mic)		
	09T55174F12	Jack, Mic (Metal-6.5)

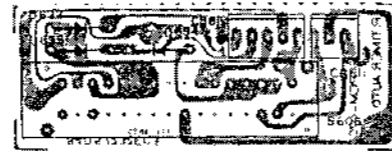
### Out Put VR PCB Parts List

Symbol No.	Stock No.	Description
(Variable Resistor)		
	18T47459F01	5KAX2



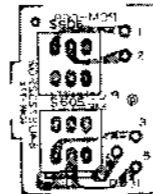
### Rotary SW PCB Parts List

Symbol No.	Stock No.	Description
(Switch)		
	40T57206F01	Rotary SRZ-S



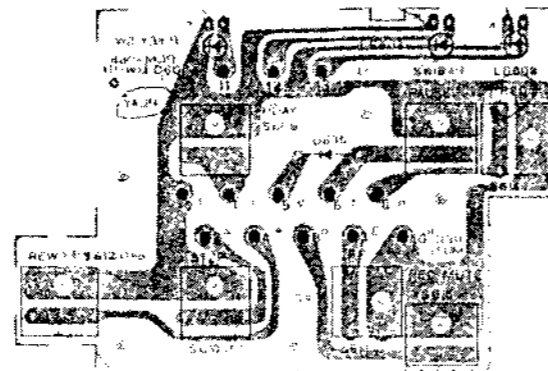
### Memory & Reset PCB Parts List

Symbol No.	Stock No.	Description
(Switch)		
	40T57207F01	Push SPH12-A
	40T57208F01	Push SPH12-A

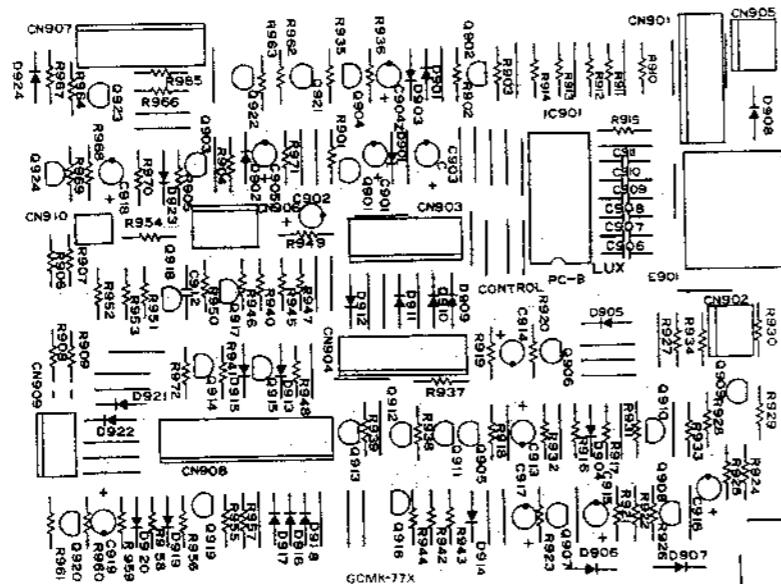


### Key Board PCB Parts List

Symbol No.	Stock No.	Description
(Switch)		
S609-S615	40T44505F01	SW, KHG
(LED)		
LD601,602	48T52238F01	BG552K (Green)
LD603	48T52238F02	PR5552K (Red)



### Control PCB

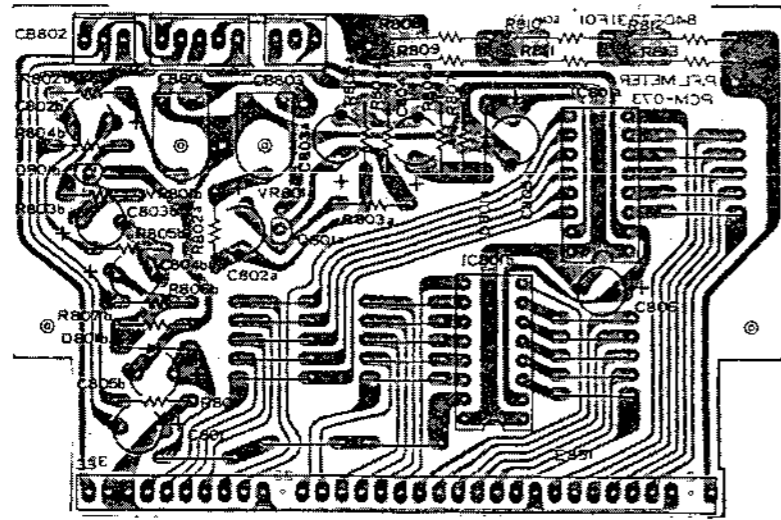


### Control PCB Parts List

Symbol No.	Stock No.	Description
(Jack)		
E901	09T50261F02	Jack, Cont
(IC)		
IC901	51S47110F01	BA843
(Diode, Zener)		
ZD901	48T52739F39	HZ6B-3
(Diode)		
D901-907	48T51582F01	MA-150
D908	48T51582F01	GE OA95
D909	48T51586F01	GP10D (SI)
D910	48T51586F01	GP10D (SI)
D911	48T51586F01	GP10D (SI)
D912	48T51586F01	GP10D (SI)
D913-924	48T51582F01	MA-150
D931	48T51582F01	MA-150
D932	48T51582F01	MA-150
D933	48T51582F01	MA-150
D934	48T51582F01	MA-150
D935	48T51582F01	MA-150
D936	48T51582F01	MA-150
(Transistor)		
Q901	48T47144F03	2SD400-F
Q902-903	48S43525F05	2SC1815-Y, GR
Q904	48T40081T03	2SA733 (P)
Q905-910	48S43525F05	2SC1815-Y, GR
Q911	48T47144F03	2SD400-F
Q912	48T47144F03	2SD400-F
Q913	48T47144F03	2SD400-F
Q914	48T40081T03	2SA733 (P)
Q915	48S43525F05	2SC1815-Y, GR
Q916	48S43525F05	2SC1815-Y, GR
Q917	48T40081T03	2SA733 (P)
Q918-924	48S43525F05	2SC1815-Y, GR
(Capacitor)		
C901	23S40657F10	10uF 16V E1
C902	23S40657F17	10uF 25V E1
C903	23S40657F10	10uF 16V E1
C904	23S40657F11	22uF 16V E1
C905	23S40657F07	47uF 10V E1
C906-911	08S44505P61	10000pF Ce
C912	08S44505P37	100pF Ce
C913	23S40657F07	47uF 10V E1
C914	23S40657F10	10uF 16V E1
C915	23S40657F07	47uF 10V E1
C916	23S40657F05	22uF 10V E1
C917	23S40657F29	2.2uF 50V E1
C918	23S40657F28	1uF 50V E1
C919	23S40657F16	4.7uF 25V E1
(Resistor)		
R901	06S44593P57	470 1/4W Rd
R902	06S44594P06	47K 1/4W Rd
R903	06S44594P06	47K 1/4W Rd
R904	06S44594P11	75K 1/4W Rd
R905	06S44594P10	68K 1/4W Rd
R906	06S44593P51	270 1/4W Rd
R907	06S44593P51	270 1/4W Rd
R908	06S44593P50	240 1/4W Rd

Symbol No.	Stock No.	Description
R909	06S44593P50	240 1/4W Rd
R910	06S44593P29	33 1/4W Rd
R911	06S44593P29	33 1/4W Rd
R912	06S44593P29	33 1/4W Rd
R913	06S44593P29	33 1/4W Rd
R914	06S44593P29	33 1/4W Rd
R915	06S44593P29	33 1/4W Rd
R916	06S44593P89	10K 1/4W Rd
R917	06S44593P41	100 1/4W Rd
R918	06S44593P97	22K 1/4W Rd
R919	06S44593P97	22K 1/4W Rd
R920	06S44594P06	47K 1/4W Rd
R921	06S44593P89	10K 1/4W Rd
R922	06S44593P41	100 1/4W Rd
R923	06S44593P97	22K 1/4W Rd
R924	06S44593P89	10K 1/4W Rd
R925	06S44593P41	100 1/4W Rd
R926	06S44593P97	22K 1/4W Rd
R927	06S44593P89	10K 1/4W Rd
R928	06S44594P14	100K 1/4W Rd
R929	06S44593P97	22K 1/4W Rd
R930	06S44593P41	100 1/4W Rd
R931	06S44593P89	10K 1/4W Rd
R932	06S44594P14	100K 1/4W Rd
R933	06S44593P97	22K 1/4W Rd
R934	06S44593P39	82 1/4W Rd
R935	06S44593P89	10K 1/4W Rd
R936	06S44594P14	100K 1/4W Rd
R937	06S44593P73	2.2K 1/4W Rd
R938	06S44593P73	2.2K 1/4W Rd
R939	06S44593P73	2.2K 1/4W Rd
R940	06S44594P14	100K 1/4W Rd
R941	06S44593P89	10K 1/4W Rd
R942	06S44593P89	10K 1/4W Rd
R943	06S44593P97	22K 1/4W Rd
R944	06S44594P14	100K 1/4W Rd
R945	06S44594P14	100K 1/4W Rd
R946	06S44593P89	10K 1/4W Rd
R947	06S44594P07	51K 1/4W Rd
R948	06S44593P89	10K 1/4W Rd
R949	06S44594P07	51K 1/4W Rd
R950	06S44593P89	10K 1/4W Rd
R951	06S44593P89	10K 1/4W Rd
R952	06S44594P06	47K 1/4W Rd
R953	06S44593P85	6.8K 1/4W Rd
R954	06S44593P69	1.5K 1/4W Rd
R955	06S44593P89	10K 1/4W Rd
R956	06S44593P97	22K 1/4W Rd
R957	06S44593P89	10K 1/4W Rd
R958	06S44593P97	22K 1/4W Rd
R959	06S44593P41	100 1/4W Rd
R960	06S44594P14	100K 1/4W Rd
R961-969	06S44593P89	10K 1/4W Rd
R970	06S44593P97	22K 1/4W Rd
R971	06S44593P59	560 1/4W Rd
R972	06S44594P07	51K 1/4W Rd

FL Meter PCB



FL Meter PCB Parts List

Symbol No.	Stock No.	Description	Symbol No.	Stock No.	Description
<b>(FL Meter)</b>					
E851	65T52950F01	FIP 12DW7YS	C806	23S40657F21	100uF 25V E1
<b>(Variable Resistor)</b>					
VR801a, b	18T52946F17	47K	<b>(Resistor)</b>		
<b>(IC)</b>					
IC801a, b	51T42626F01	HA12019	R801	06S44593P41	100 1/4W Rd
<b>(Transistor)</b>					
Q801a, b	48S43525F05	2SC1815Y, GR	R802a, b	06S44593P89	10K 1/4W Rd
<b>(Diode)</b>					
D801a, b	48T43982F01	OA95 Ge	R803a, b	06S44594P29	430K 1/4W Rd
<b>(Capacitor)</b>					
C801	23S40657F21	100uF 25V E1	R804a, b	06S44593P71	1.8K 1/4W Rd
C802a, b	23S40657F10	10uF 16V E1	R805a, b	06S44594P18	150K 1/4W Rd
C803a, b	23S40657F17	10uF 25V E1	R806a, b	06S44594P50	3.3M 1/4W Rd
C804a, b	23S40657F17	10uF 25V E1	R807a, b	06S44593P85	6.8K 1/4W Rd
C805a, b	23T42478F21	0.33uF 50V LN E1	R808	06S44593P43	120 1/4W Rd
			R809	06S44593P43	120 1/4W Rd
			R810	06S44593P43	120 1/4W Rd
			R811	06S44593P43	120 1/4W Rd
			R812	06S44593P43	120 1/4W Rd
			R813	06S44593P43	120 1/4W Rd

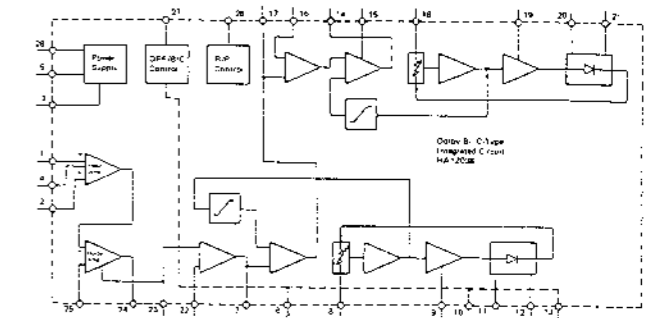
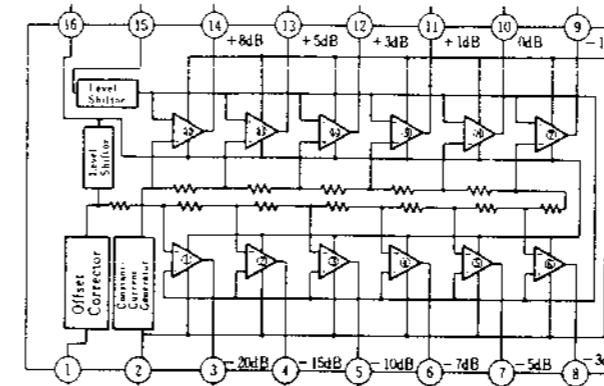
Destinations Parts List

Symbol No.	Description	SK (220V)	EK (220V)	UP (120V)
		Europe	Europe	Canada
55	Trans, Power	25T47457F01	25T57592F01	25T50265F02
24	SW, Power	40T45561F01	40T45561F01	40T47454F01
62	AC, Cord	28T43812P02	28T50179F03	28T40916U01
61	Stopper, Cord	43B41625J02	43B41625J02	43B41625J01
67	Bkt, Trans	07B45445F01	07B45445F01	07B45445F02
73	SW, Selector	Non Use	40T40705T04	Non Use
F101-103	Holder, Fuse	09T45548F01	Non Use	Non Use
F101-103	Fuse	65T42077U16	Non Use	Non Use

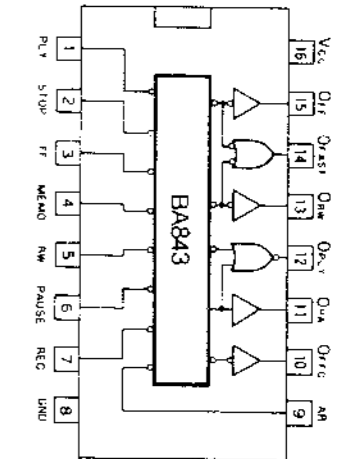
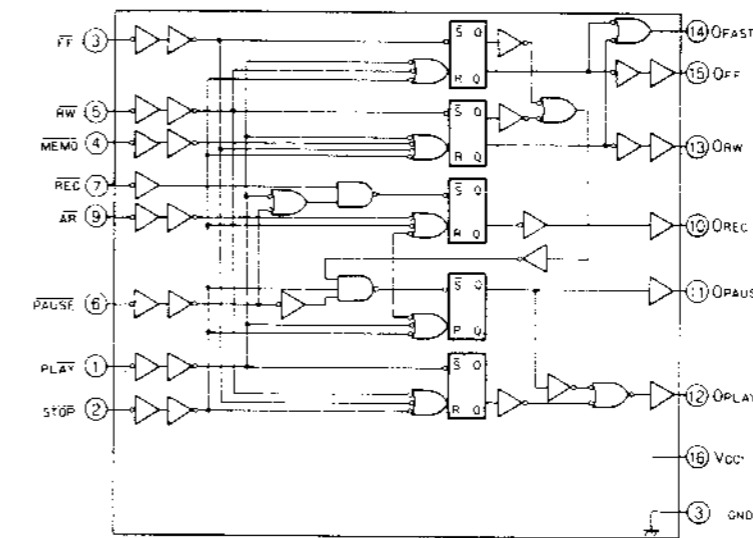
IC Handling Guide

HA12019. (IC801a, b Stock No. 51T42626F01)  
Fluorescent Tube Driver for Bar Graph Display

HA12038. (IC301, 302 Stock No. 51T52160F01)  
Dolby-Band-C Type Noise Reduction System

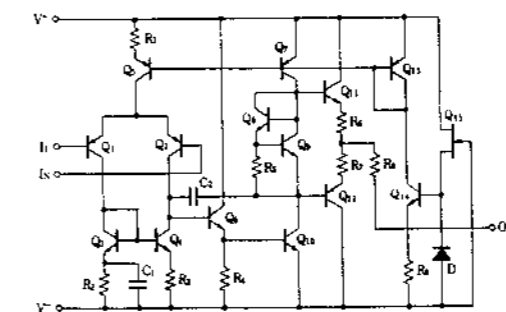


BA843 (IC601 Stock No. 51S47110F01)  
Key Control

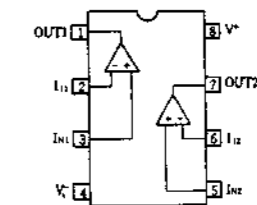


μPC4558C

Equivalent Circuit



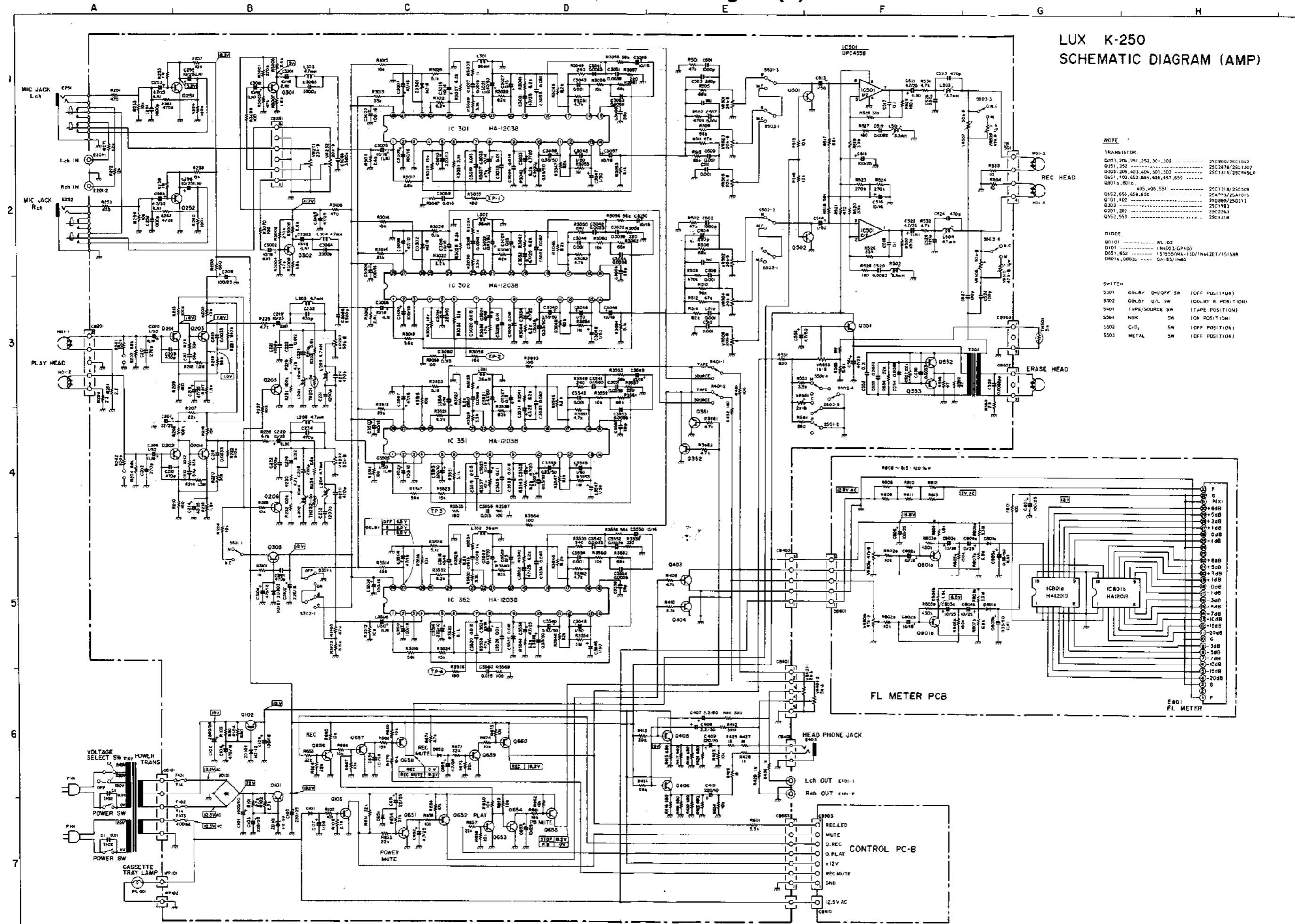
Connection Diagram (Top View)





# Schematic Diagram(A)

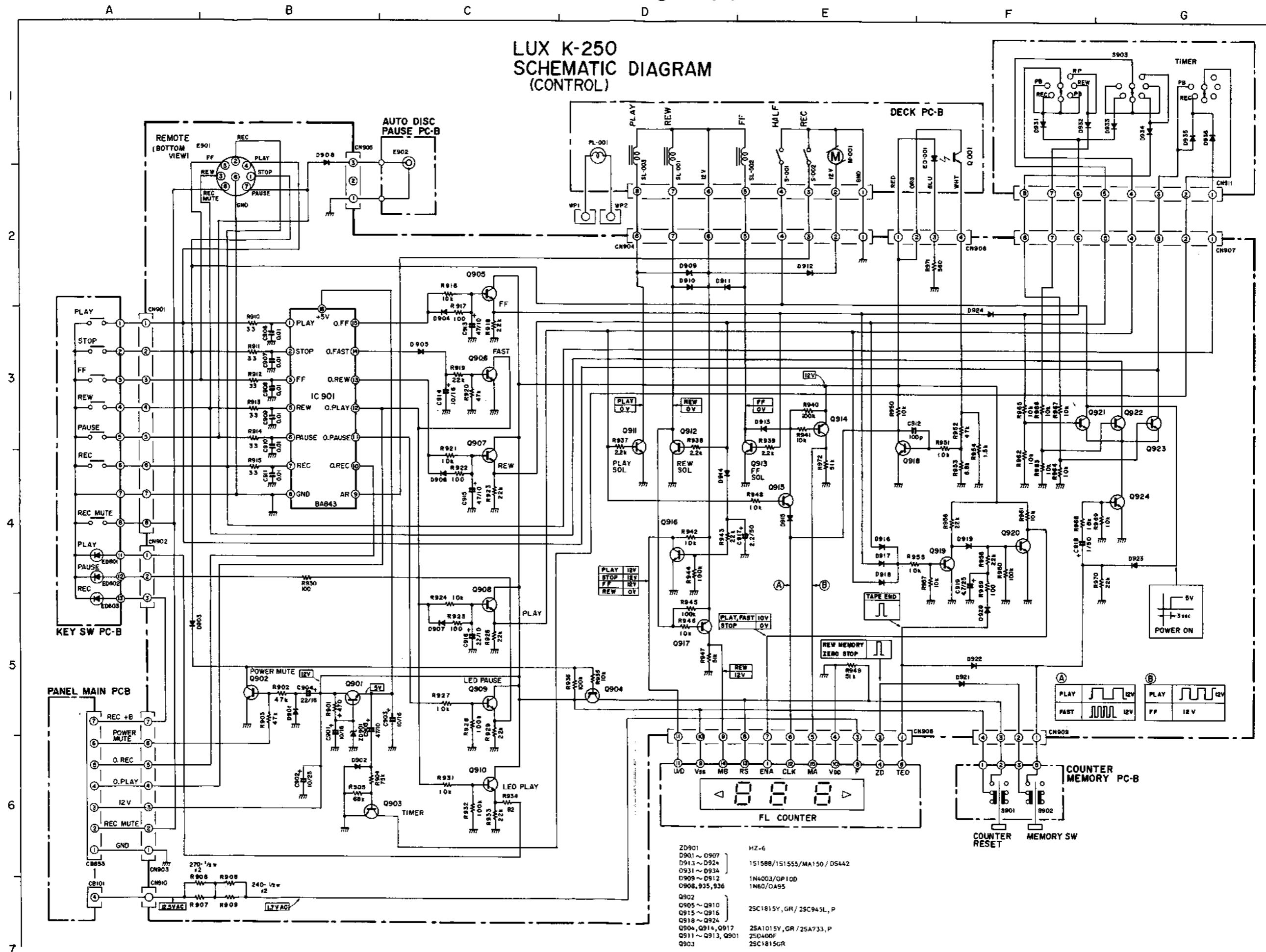
## LUX K-250 SCHEMATIC DIAGRAM (AMP)



- NOTE**
- TRANSISTOR  
 Q203, 204, 231, 252, 301, 302 ..... 2SC300/2SC1842  
 Q251, 252 ..... 2SC287A/2SC1302  
 Q205, 206, 401, 404, 501, 502 ..... 2SC1815/2SC345LP  
 Q651, 103, 653, 654, 656, 657, 659 ..... 2SC1318/2SC509  
 Q801a, 801b ..... 405, 406, 551 ..... 2SC1318/2SC509  
 Q652, 655, 658, 650 ..... 2SA773/2SA1015  
 Q101, 102 ..... 1N4003/CP400 ..... 2SC889/2SD113  
 Q303 ..... 2SC1983  
 Q201, 202 ..... 2SC2263  
 Q552, 553 ..... 2SC1318
- DIODE  
 BD101 ..... WL-02  
 D811 ..... 1N4003/CP400  
 D651, 652 ..... 1S155/MA-150/1N442BT/1S158B  
 DB01a, DB02b ..... OA-35/1N60
- SWITCH  
 S301 ..... DOLBY ON/OFF SW (OFF POSIT+ON)  
 S302 ..... DOLBY B/C SW (DOLBY B POSITION)  
 S401 ..... TAPE/SOURCE SW (TAPE POSITION)  
 S501 ..... MTR SW (ON POSITION)  
 S502 ..... C-TL SW (OFF POSITION)  
 S503 ..... METAL SW (OFF POSITION)

# Schematic Diagram(B)

## LUX K-250 SCHEMATIC DIAGRAM (CONTROL)



# Specifications

Heads :	Record head	Sendust
	Playback head	Hexalam
	Erase head	Double gap Ferrite
Wow & Flutter :	no more than 0.04% (W.R.M.S)	
Signal-to-Noise Ratio :	Metal-Tape :	Better than 59dB without NR Better than 67dB with Dolby-B-NR on Better than 73dB with Dolby-C-NR on
	CrO <sub>2</sub> -Tape :	Better than 59dB without NR Better than 67dB with Bolby-B-NR on Better than 73dB with Dolby-C-NR on
	NO <sub>r</sub> -Tape :	Better than 57dB without NR Better than 65dB with Dolby-B-NR on Better than 72dB Dolby-C-NR on
Frequency Response :	20Hz--20,000Hz (Metal Tape) (20Hz--18,000Hz ± 3dB) 20Hz--18,000Hz (CrO <sub>2</sub> Tape) (20Hz--17,000Hz ± 3dB) 20Hz--17,000Hz (Nor. Tape) (20Hz--16,000Hz ± 3dB)	
The 3rd Harmonic Distortion :	no more than 0.6% (Normal tape, 1kHz, 0dB)	
Input Sensitivity :	line in: 80mV microphone: 300uV	
Output Level :	line out: 500mV headphone: 1mW (8 ohms load)	
Power Consumption :	26W	
Dimensions :	453 (W) x 275 (D) x 110 (H) mm (17.8" x 10.8" x 4.3")	
Weight :	Net : 5.7kgs ( 1bs.) Gross : 6.5kgs ( 1bs.)	

Specifications and appearance design subject to change without notice.

\* NOISE REDUCTION CIRCUIT MADE UNDER LICENCE FROM DOLBY LABORATORIES.  
THE WORD "DOLBY" AND THE DOUBLE-D SYMBOL ARE THE TRADE MARKS OF DOLBY LABORATORIES.

\* dbx is the trade mark of dbx Incorporated.

