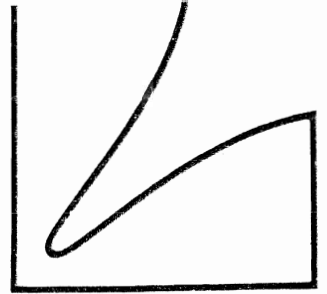
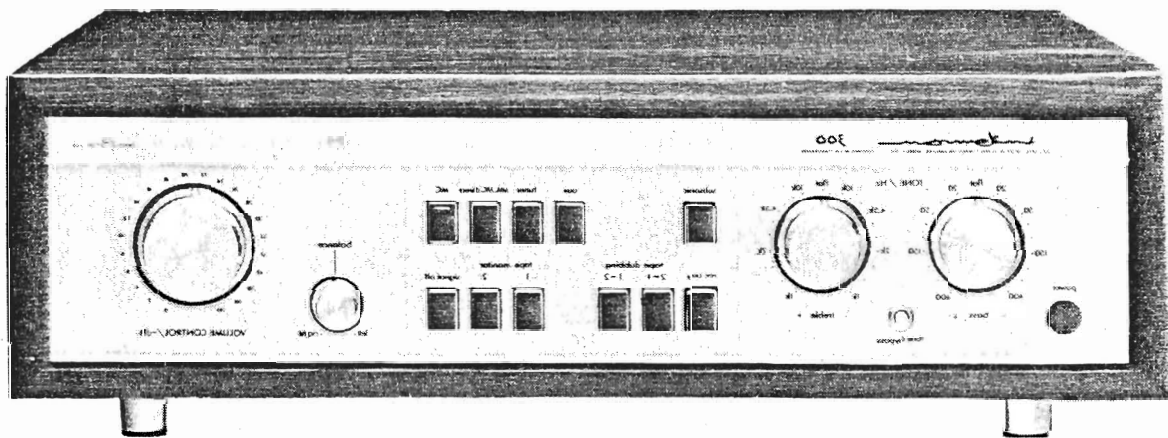


SERVICE MANUAL



DC STEREO CONTROL PREAMPLIFIER **C-300**



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REMARKS

The C-300 diversifies the original C-300 and C-300KA, whose difference exists in the printed circuit board of the equalizer amp, flat amp, tone control, protector, muting and regulator circuit board.

Circuit	Model No.	
	C-300	C-300KA
Equalizer Amp.	PB-1353	PB-1388
Flat Amp., Tone Control	PB-1354	PB-1389
Protector, Muting, Regulator	PB-1355	PB-1390

In this manual the parts, which differ depending on destination and mains voltage, are classified and indicated as follows:

*NOTES

- J 100V for Japan
- A — AZ: 120V (With Line Voltage Selector) for U.S.A., South Asia, East Asia
- AK: 220V (With Line Voltage Selector) for Europe, South Asia, East Asia
- AG: 240V (With Line Voltage Selector) for England, Australia

C-300 ALIGNMENT PROCEDURES

1) Alignment of Regulator

Setting Conditions - Volume Control: Minimum
 Balance Control: Center
 Filter Switch: Off
 Tone Control: Flat



- (1) Put on the Power Switch and after 30 seconds adjust VR501ab (positive-going, L&R) and VR502ab (negative-going, L&R) respectively to make the voltage of terminals (+32V and -32V/C-300, +33.5V and -33.5V/C-300KA) shown in the (PB-1355/C-300, PB-1390/C-300KA).

Remarks: Reconfirm and readjust 10 minutes after the Power Switch has been put on.

2) Alignment of PRE OUT, MC OUT and OFF SET

- (1) Connect a high sensitivity DC volt meter to the PRE OUT terminals shown in the (PB-1354/C-300, PB-1389/C-300KA) and adjust VR303ab(L&R) to make the volt meter 0V after alignment of the regulator.

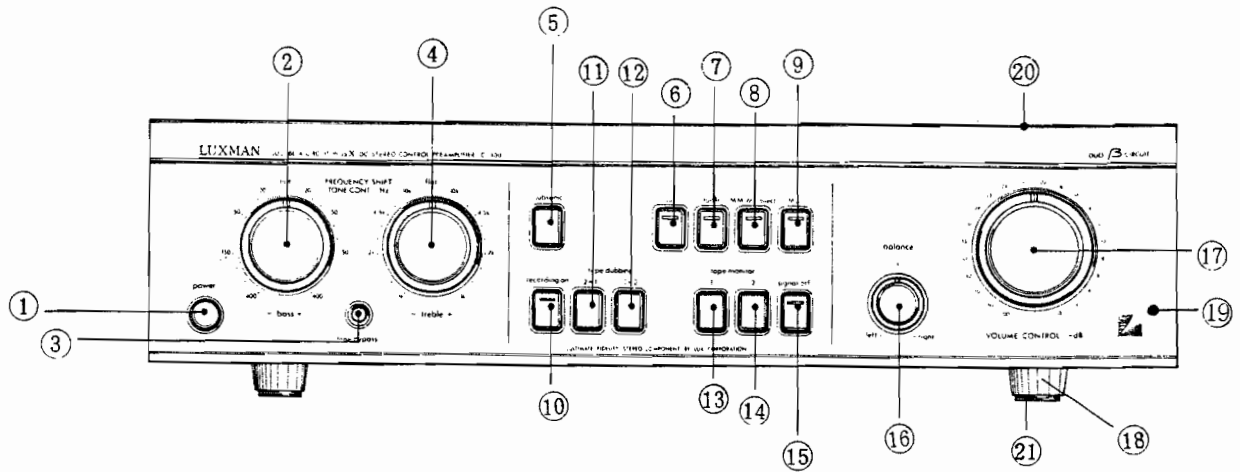
Remarks: Reconfirm and readjust 10 minutes after the Power Switch has been put on.

- (2) Connect a high sensitivity DC volt meter to the MC OUT pattern ( ) shown in the PB-1355 and adjust VR101ab(L&R) to make the volt meter -0.05V (-50mV). C-300 only.

Remarks: Readjust at +0.2V(+200mV) 10 minutes after the Power Switch has been put on.

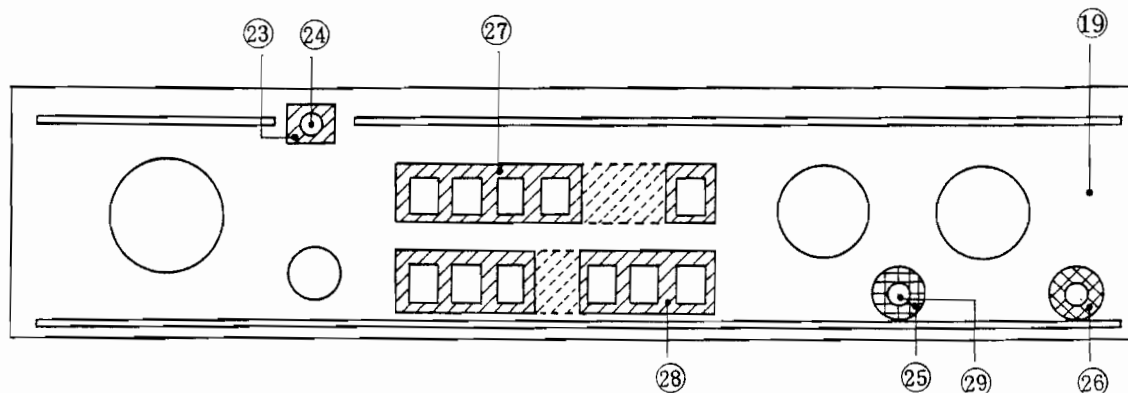
PARTS LIST (Cosmetic)

FRONT VIEW



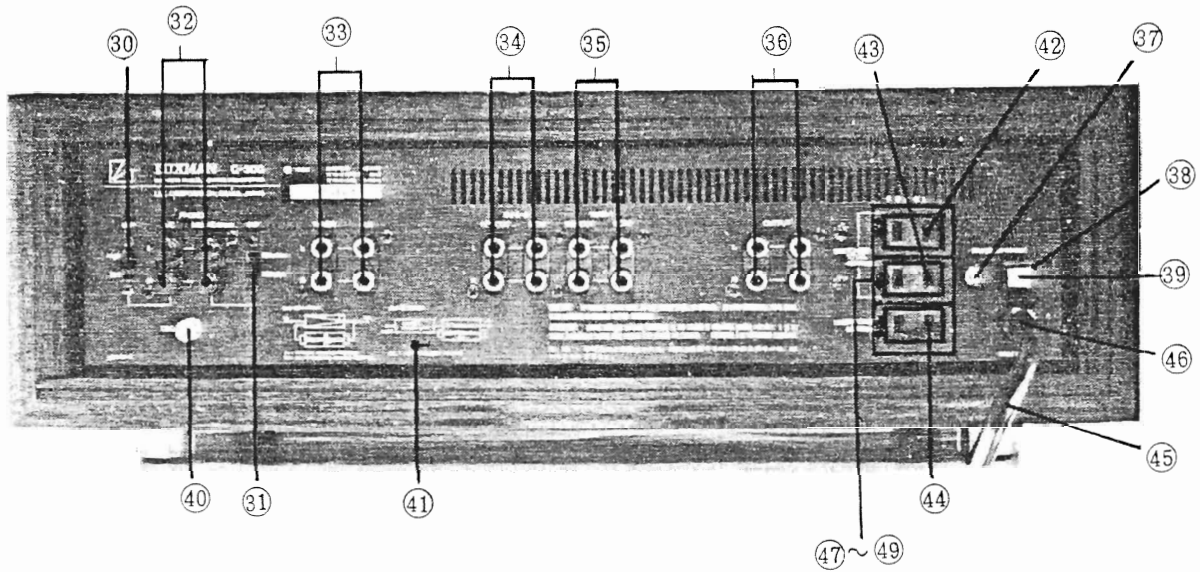
SYMBOL NO.	STOCK NO.	DESCRIPTION	REMARK	SYMBOL NO.	STOCK NO.	DESCRIPTION	REMARK
(Knob)				(Knob)			
1	WJ1090	Power Switch		9	WH1125-1	MC	
*2	WH1120-1	Bass Control	AZ.J	10	WH1125-1	Recut	
*2	WH1120-2		AG.AK	11	WH1125-2	Tape Dubbing 2 1	
*3	WK1120-1	Tone Bypass	AZ.J	12	WH1125-2	Tape Dubbing 1 2	
*3	WK1120-2		AG.AK	13	WH1125-2	Tape Monitor 1	
*4	WH1120-1	Treble Control	AZ.J	14	WH1125-2	Tape Monitor 2	
*4	WH1120-2		AG.AK	15	WH1125-2	Signaloff	
5	WH1125-2	Subsonic		*16	WH1122-1	Balance Control	AZ.J
6	WH1125-1	AUX		*16	WH1122-2		AG.AK
7	WH1125-1	Tuner		*17	WH1121-1	Volume Control	AZ.J
8	WH1125-1	MM, MC, Direct		*17	WH1121-2		AG.AK
(Foot)				(Enclosures)			
18	WN1022	Foot, Metal		*20	WB1090	Wooden Case	AZ.J
21	WN1019	Foot, Felt			UG1030	Bonnet	AG.AK
					UE1110	Bottom Plate	AG.AK

FRONT PANEL Ass'y



SYMBOL NO.	STOCK NO.	DESCRIPTION	REMARK	SYMBOL NO.	STOCK NO.	DESCRIPTION	REMARK
(Front Panel Ass'y)				(Front Panel Ass'y)			
*19	WA1221-1	Front Panel	J	*25	WZ1133-2	Metal Escutcheon	AG.AK
*19	WA1221-2	Front Panel	A	26	WE1051	Protector	
23	WG1019	Pilot Acrylic		27	WZ7042	Knob Guide	
24	WG1011	Pilot, Cover		28	WZ7042	Knob Guide	
*25	WZ1133-1	Metal Escutcheon	AZ.J	29	WE1036	Protector	

REAR VIEW



SYMBOL NO	STOCK NO	DESSCIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Terminal)				(Line Phase Sensor) J Only			
32	AT0131	Input 4 Phono MM MC		* 37	AL0001	Neon Lamp	J
33	AT0130	Input 4 P Tuner, AUX		* 38	UZ1244	L. P. S. Housing	J
34	AT0130	Input 4 P Tape-II		* 39	UZ1245	L. P. S. Terminal	J
35	AT0130	Input 4 P Tape-I		(Bushing. Power Cord)			
36	AT0130	Output 4 P		* 45	BK0019	Power Cord UP-720-001	AZ
40	AG0110	G N D		* 45	BK0022	Power Cord C-2-461-B	AK
(Switch, Cover)				* 45	BK0023	Power Cord SAAmi	AG
30	SS0014	Slide SSB-02201		* 45	BK0048	Power Cord VKF2.OMM	J
31	SS0014	Slide SSB-02201		* 46	BU0033	Bushing SR-4N-4	AZ,AK
47	UJ1092	Cover 1092	AG.AK	* 46	BU0039	Bushing SR-5N-4	AG
48	UJ1092	Cover 1092	AG.AK	* 46	BU0080	Bushing 5KN-4	J
49	UJ1092	Cover 1092	AG.AK	(Extra AC Outlet)			
(Rear Panel)				42	AC0050	Switched	
* 41	UC1191-1	Rear Panel 1191-1	J	43	AC0050	Switched	
* 41	UC1191-2	Rear Panel 1191-2	A	44	AC0050	Unswitched	

MECHANISM

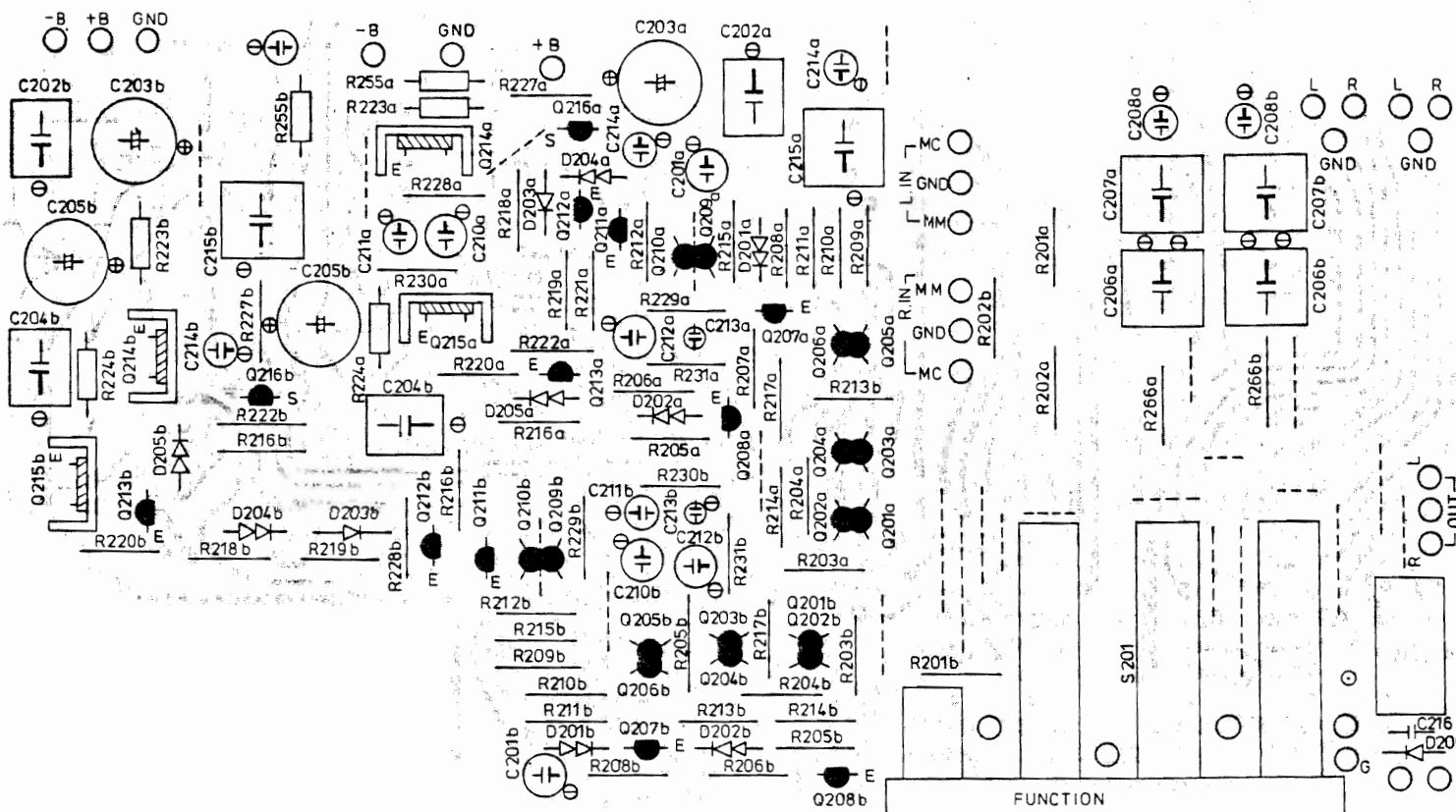
SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Potentiometer)				(Resistor, Capacitor)			
VR001	RVO270	250 KMKN Blance Control		CO01	CK0159	0.1 F 25 WV	Ce
VR002	RVO269	70 K S x2 Volume Control		CO02	CU0010	0.47 F 250 WV	AC
VR301	RVO271	150 K S x2 Bass Control		RO01	RB0158	100 0.25 W	RD
VR302	RVO272	19 K S x2 Treble Control		RO02	RB0158	100 0.25 W	RD
(Switch, Flexible Cable)				(Lamp, Holder)			
S001	SS0014	MC Phono Impedance		LA	AL0065	Lamp 75mA12V(B7-5)	
S002	SS0014	MM Phono Impedance		LA	WZ0003	Lamp holder White	
*S003	SP0090	Push Power Switch	A	(Fush holder, Fuse)			
	SP0172	Push Power Switch	J	*F001	AH0016	Fuse holder X-N1157	J
S201	SP0173	Push Input Selector		*F001	AH0019	Fuse holder X-N1153	A
S301	SP0189	Push Tone Bypass(C-300)		*F002	AH0016	Fuse holder X-N1157	J
	SP0176	Push Tone Bypass(C-300KA)		*F002	AH0019	Fuse holder X-N1153	A
S801~				*F003	AH0016	Fuse holder X-N1157	J
S804	SP0175	Rec, Tape 1, Tape 2, Pre		*F003	AH0019	Fuse holder X-N1153	A
S1001~				*F004	AH0016	Fuse holder X-N1157	J
S1002	SP0175	Dubbing		*F004	AH0019	Fuse holder X-N1153	A
S901	SP5030	Push Subsonic		*F005	AH0016	Fuse holder X-N1157	J
S301	SZ0015	F. Cable Tone Bypass(C-300)		*F005	AH0019	Fuse holder X-N1153	A
	SZ0013	F. Cable Tone Bypass(C300KA)		*F006	AH0016	Fuse holder X-N1157	J
S1001	SZ0014	F. Cable Tape Dubbing		*F006	AH0019	Fuse holder X-N1153	A
S1002	SZ0014	F. Cable Tape Dubbing		*F001	BF0115	Fuse MF60NR-2A	J
(Power Transformer)				*F001	BF0208	Fuse 5 X 20 1A(T)	AZ
*	PT2531	P-2531	J	*F001	BF0206	Fuse 5 X 20 0.5A(T)	AK, A
*	PT2534	P-2534	A	*F002	BF0402	Fuse FGLBO-125V-1.5A	J
(Line Voltage Selector) A ONLY				*F002	BF0206	Fuse 5 X 20 1A(T)	A
*	AC0013	Socket M-1625	A	*F003	BF0402	Fuse FGLBO-125V-1.5A	J
*	AC0014	Plug P-2120	A	*F003	BF0206	Fuse 5 X 20 1A(T)	A
(Packing Material)				*F004	BF0402	Fuse FGLBO-125V-1.5A	J
*	XA1277	Carton 1277 (C-300)	AZ	*F004	BF0206	Fuse 5 X 20 1A(T)	A
*	XA1278	Carton 1278 (C-300)	AK, AG	*F004	BF0402	Fuse FGLBO-125V-1.5A	J
*	XA1277J	Carton 1277J(C-300)	J	*F004	BF0206	Fuse 5 X 20 1A(T)	A
*	XA1306	Carton 1306 (M300KA)	J	*F005	BF0402	Fuse FGLBO-125V-1.5A	J
*	XD1028	Pad 1028	AZ, J	*F005	BF0206	Fuse 5 X 20 1A(T)	A
*	XD1029	Pad	AK, AG	*F006	BF0113	Fuse MF60NR-1A	J
*	MA0137	Owner's manial	J	*F006	BF0206	Fuse 5 X 20 1A(T)	A
*	MA0180	Owner's manial	A				

Notes

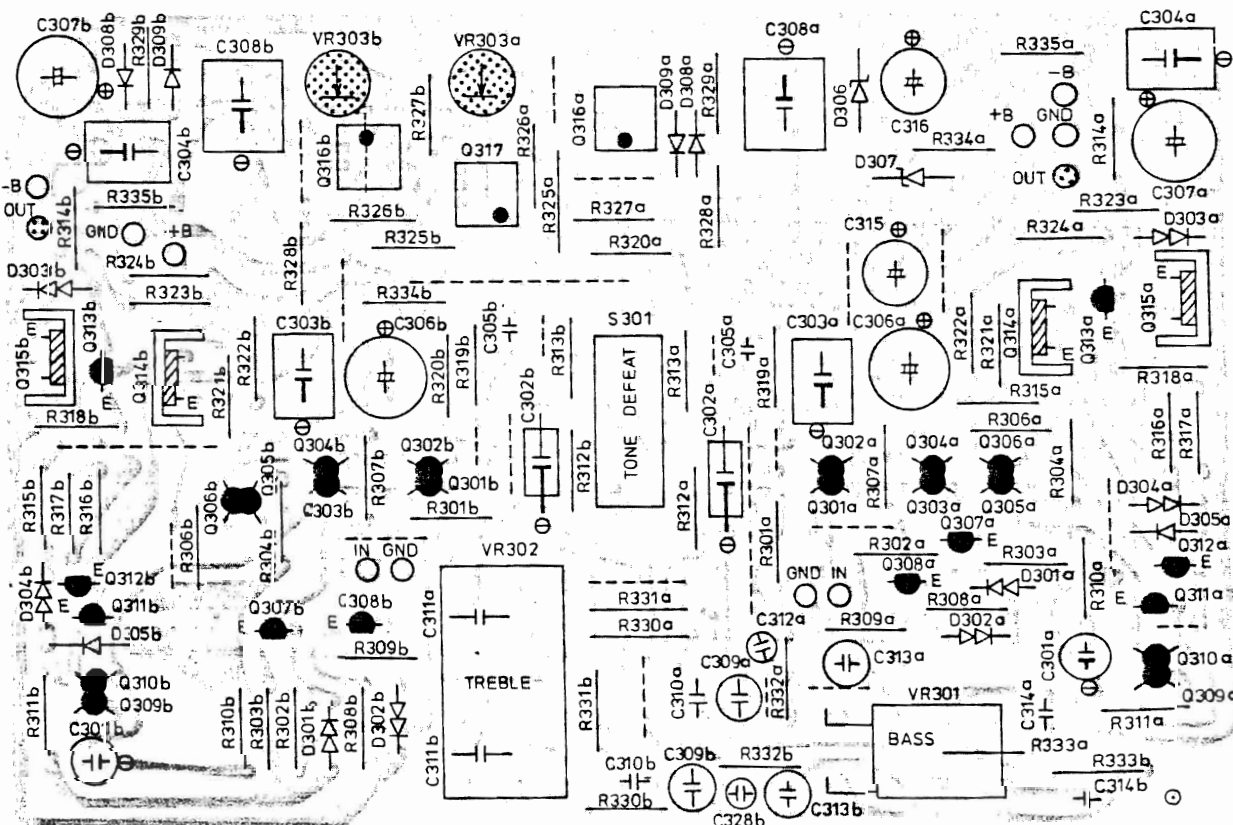
Flexible Cable Switch A'ssy Canbe disintegrated into 3 components-Switch Body, Flexible Cable, Switch Mechanism. In this list, the respective disintegrated Components are classified into the categories

Switch Body - PCB Unit Parts List
 Flexible Cable - Mechanism Parts List
 Switch Mechanism - Mechanism Parst List

PB-1353.....(Equalizer)C-300 only



PB-1354.....(Flat, Tone Control)C-300 only



PARTS LIST.....(P. C. B)

REMARKS

Capacitor: My...Mylar, El...Electrolytic, St...Styrol, Ce...Ceramic
 Mi...Mica, Ta...Tantalum, Lp...Line pass(AC Cap.)
 Tm...Trimmer, Ac...AC Capacitor, Fi...Film Cap.
 Resistor: Rd...Carbon, Rc...Cement, Rm...Metal Film, Rf...Flame proof
 Ro...Oxid Metal,

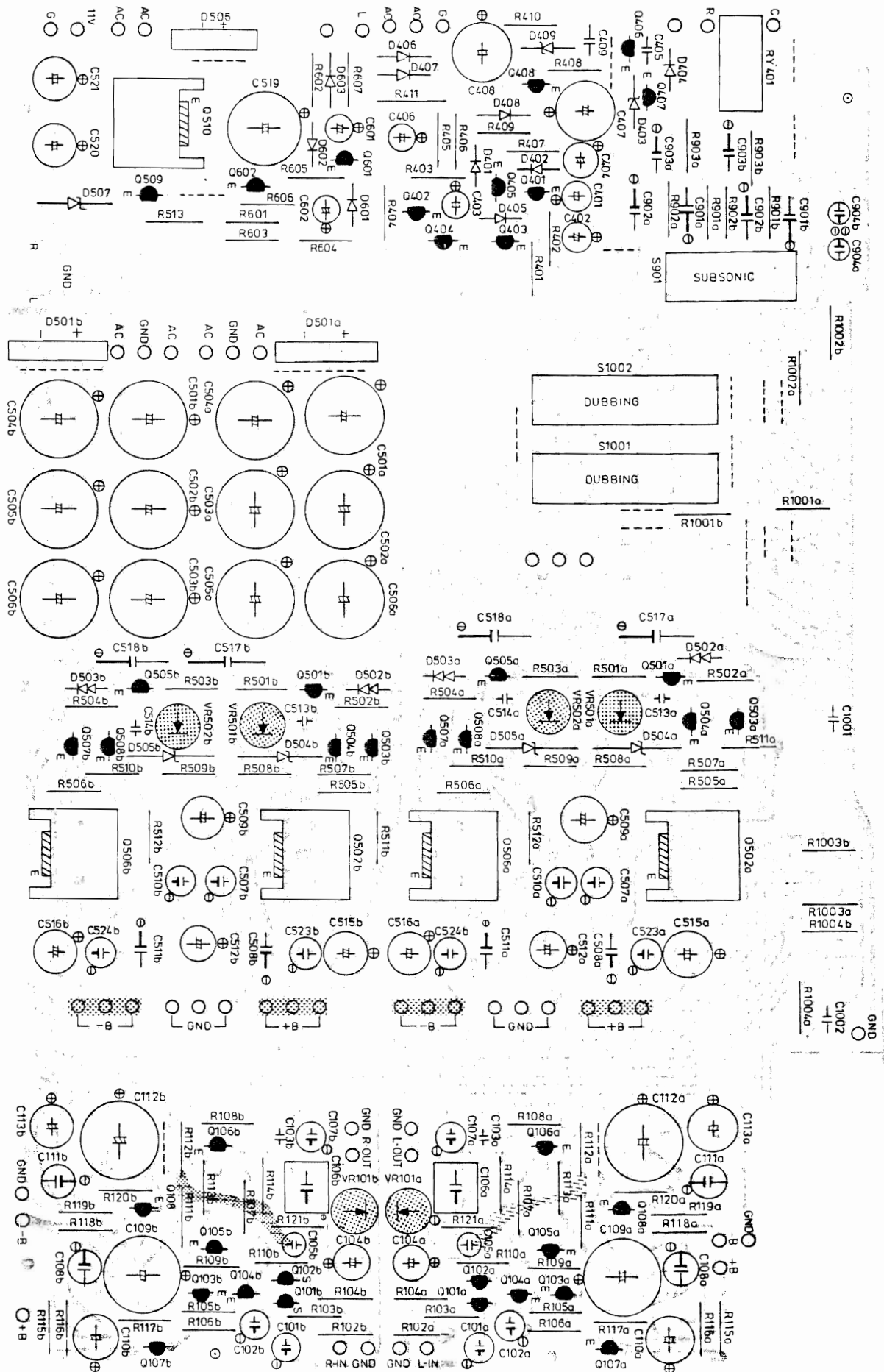
PB-1353.....(Equalizer) C-300 only

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Capacitor)				(FET, Transistor)			
C201	CQ1206	6800 PF 50 WV	St	Q201	TF0020	2SK-163-L-PAIR	
C202	CQ1201	560 PF 50 WV	St	Q202	TF0020	2SK-163-L-PAIR	
C203	CE1970	220 μ F 35 WV	AR EL	Q203	TF0020	2SK-163-L-PAIR	
C204	CQ1201	560 PF 50 WV	St	Q204	TF0020	2SK-163-L-PAIR	
C205	CE1970	220 μ F 35 WV	AR EL	Q205	TR5005	2SA-970	
C206	CQ2010	0.22 μ F 125 WV	Fi	Q206	TR5005	2SA-970	
C207	CQ2010	0.22 μ F 125 WV	Fi	Q207	TR5005	2SA-970	
C208	CQ1201	560 PF 50 WV	St	Q208	TR0236	2SC-2229	
C209	CQ1220	100 PF 50 WV	St	Q209	TR0091	2SA-836	
C210	CQ1213	6200 PF 50 WV	St	Q210	TR0091	2SA-836	
C211	CQ1220	680 PF 50 WV	St	Q211	TR0091	2SA-836	
C213	CQ1200	101 PF 50 WV	St	Q212	TR0237	2SA-949	
C214	CQ1201	560 PF 50 WV	St	Q213	TR0236	2SC-2229	
C215	CQ2010	0.22 μ F 125 WV	Fi	Q214	TR0196	2SD-668	
C216	CK0159	0.1 μ F 25 WV	Ce	Q215	TR0192	2SB-648	
C242	CQ1204	1800 PF 50 WV	St	Q216	TF0020	2SK-163-L-PAIR	
(Diode)				(Relay, PCB Board)			
D201	TVO030	KB-265C4		RY201	AY0025	RZ-24 (24V)	
D202	TVO030	KB-265C4			PC1353	P C B Board	
D203	TDO214	US-1035		(Switch)			
D204	TVO030	KB-265C4		S201	SP0173	Input Selector	
D205	TVO030	KB-265C4					
D206	TDO073	US-1035					
(Resistor) Unit: Ω							
R201	RDO446	47 K 0.33 W	RD	R216	RDO448	33 K 0.33 W	RD
R202	RDO442	100 K 0.33 W	RD	R217	RDO473	270 0.33 W	RD
R203	RDO442	100 K 0.33 W	RD	R218	RDO480	68 0.33 W	RD
R204	RDO452	15 K 0.33 W	RD	R220	RS1232	120 0.33 W	Rf
R205	RDO448	33 K 0.33 W	RD	R221	RDO448	33 K 0.33 W	RD
R206	RS1281	100 0.33 W	Rf	R222	RDO439	180 K 0.33 W	RD
R207	RDO448	33 K 0.33 W	RD	R223	RD1540	18 0.5 W	RD
R208	RDO466	1 K 0.33 W	RD	R224	RD1540	18 0.5 W	RD
R209	RDO479	82 0.33 W	RD	R225	RD0139	100 0.5 W	RD
R210	RDO464	1.5 K 0.33 W	RD	R226	RDO437	270 K 0.33 W	RD
R211	RDO479	82 0.33 W	RD	R227	RD2158	1.5 M 0.33 W	RD
R212	RDO489	10 0.33 W	RD	R228	RDO454	10 K 0.33 W	RD
R213	RDO447	39 K 0.33 W	RD	R230	RDO434	470 K 0.33 W	RD
R214	RBO180	820 0.25 W	RD	R231	RDO447	39 K 0.33 W	RD
R215	RS1273	47 0.33 W	RD				

PB-1354.....(Flat, Tone Control) C-300 only

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Resistor) Unit: Ω							
R301	RD2170	4.7 M 0.33 W	RD	R318	RS1232	120 0.33 W	Rf
R302	RDO448	33 K 0.33 W	RD	R319	RDO448	33 K 0.33 W	RD
R303	RDO466	1 K 0.33 W	RD	R320	RDO433	560 K 0.33 W	RD
R304	RDO479	82 0.33 W	RD	R321	RDO440	150 K 0.33 W	RD
R306	RDO479	82 0.33 W	RD	R322	RD1540	18 0.5 W	RD
R307	RDO452	1.5 K 0.33 W	RD	R323	RD1540	18 0.5 W	RD
R308	RS1281	100 0.33 W	Rf	R325	RDO447	39 K 0.33 W	RD
R309	RDO448	33 K 0.33 W	RD	R326	RDO454	10 K 0.33 W	RD
R310	RD2036	12 0.33 W	RD	R327	RDO458	4.7 K 0.33 W	RD
R311	RS1273	47 0.33 W	RD	R328	RDO431	820 K 0.33 W	RD
R312	RBO200	5.6 0.25 W	RD	R329	RDO431	820 K 0.33 W	RD
R313	RDO430	1 M 0.33 W	RD	R330	RDO461	2.7 K 0.33 W	RD
R314	RDO448	33 K 0.33 W	RD	R331	RDO470	470 0.33 W	RD
R315	RDO448	33 K 0.33 W	RD	R332	RDO448	33 K 0.33 W	RD
R317	RDO480	68 0.33 W	RD	R333	RBO200	5.6 K 0.25 W	RD
(Capacitor)				(FET, Transistor, IC)			
C301	CQ1206	6800 PF 50 WV	St	Q301	TF0020	2SK-163-L-PAIR	
C302	CQ2008	1 μ F 125 WV	Fi	Q302	TF0020	2SK-163-L-PAIR	
C303	CE0093	33 μ F 35 WV	El	Q303	TF0020	2SK-163-L-PAIR	
C304	CQ1201	560 PF 50 WV	St	Q304	TF0020	2SK-163-L-PAIR	
C305	CM0159	10 PF 100 WV	Mi	Q305	TR5005	2SA-970	
C306	CE1970	220 μ F 35 WV	AR El	Q306	TR5005	2SA-970	
C307	CE1970	220 μ F 35 WV	AR El	Q307	TR5005	2SA-970	
C308	CQ2006	0.47 μ F 125 WV	Fi	Q308	TR0236	2SC-2229	
C309	CQ0283	8200 PF 50 WV	St	Q309	TR0091	2SA-836	
C310	CQ1338	0.047 μ F 25 WV	My	Q310	TR0091	2SA-836	
C311	CQ0267	100 PF 50 WV	St	Q311	TR0091	2SA-836	
C312	CQ0071	100 PF 50 WV	St	Q312	TR0237	2SA-949	
C313	CQ0283	8200 PF 50 WV	St	Q313	TR0236	2SC-2229	
C314	CQ1338	0.047 μ F 25 WV	My	Q314	TR0196	2SD-668	
C315	CQ1201	560 PF 50 WV	St	Q315	TR0192	2SB-648	
C316	CQ1201	560 PF 50 WV	St	Q316	TC5010	IC. NJM4558DX 22V	
				Q317	TC0180	IC. LF13741	
(Diode)				(Potentiometer)			
D301	TV0030	KB-265C4		VR301	RV0271	150 K Ω $\text{\textcircled{S}}$ x 2	
D302	TV0030	KB-265C4		VR302	RV0272	19 K Ω $\text{\textcircled{S}}$ x 2	
D303	TV0030	KB-265C4		(Trimming Potentiometer)			
D304	TV0030	KB-265C4		VR303	RT0009	10 K Ω B	
D305	TD0214	US-1035		(Switch)			
D308	TD0214	US-1035		S301	SP0189	Switch 9150	
D309	TD0214	US-1035					
(PCB Board)							
	PC1354	PB-1354					

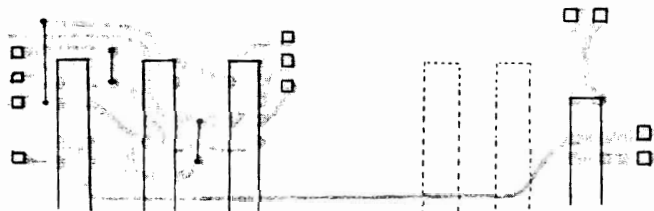
PB-1 355.....(Protector, Mute, Regulator) C-300 only



PB-1355.....(Protector, Mute, Regulator) C-300 only

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Capacitor)							
C1001	CK0159	0.1 μ F 25 WV	Ce	C408	CE1744	220 μ F 35 WV	EL
C1002	CK0159	0.1 μ F 25 WV	Ce	C409	CK0159	0.1 μ F 25 WV	Ce
C101	CQ1214	1000 PF 50 WV	St	C501ab	CE1996	470 μ F 63 WV	AR EL
C102	CQ1206	6800 PF 50 WV	St	C502ab	CE1996	470 μ F 63 WV	AR EL
C103	CM0127	56 PF 500 WV	Mi	C503ab	CE1996	470 μ F 63 WV	AR EL
C105	CQ1201	560 PF 50 WV	St	C504ab	CE1996	470 μ F 63 WV	AR EL
C106	CQ2008	1 μ F 125 WV	Fi	C505ab	CE1996	470 μ F 63 WV	AR EL
C107	CQ1201	560 PF 50 WV	St	C506ab	CE1996	470 μ F 63 WV	AR EL
C108	CQ1201	560 PF 50 WV	St	C515ab	CE1979	22 μ F 50 WV	AR EL
C109	CE1963	470 μ F 25 WV	AR EL	C516ab	CE1979	22 μ F 50 WV	AR EL
C112	CE0832	100 μ F 25 WV	EL	C519	CE1725	1000 μ F 16 WV	EL
C113	CE1956	10 μ F 25 WV	AR EL	C520	CE1722	220 μ F 16 WV	EL
C401	CE1710	47 μ F 10 WV	EL	C521	CE1722	220 μ F 16 WV	EL
C402	CE1710	47 μ F 10 WV	EL	C601	CE1719	33 μ F 16 WV	EL
J403	CE1727	47 μ F 25 WV	EL	C602	CE1719	33 μ F 16 WV	EL
C404	CE1720	47 μ F 16 WV	EL	C901	CQ2006	0.47 μ F 125 WV	Fi
C405	CK0159	0.1 μ F 25 WV	Ce	C902	CQ2006	0.47 μ F 125 WV	Fi
C406	CE1750	1 μ F 50 WV	EL	C903	CQ2008	1 μ F 125 WV	Fi
C407	CE1744	220 μ F 35 WV	EL	C904	CQ1200	100 PF 50 WV	St
(Resistor) Unit: Ω							
R1001	RDO430	1 M 0.33 W	RD	R406	RDO454	10 K 0.33 W	RD
R1002	RDO430	1 M 0.33 W	RD	R407	RDO433	560 K 0.33 W	RD
R102	RDO158	100 0.33 W	RD	R408	RDO460	3.3K 0.33 W	RD
R103	RD2510	1 0.5 W	RD	R409	RDO455	8.2K 0.33 W	RD
R104	RDO457	5.6 K 0.33 W	RD	R410	RDO456	6.8K 0.33 W	RD
R105	RDO130	1.2 K 0.5 W	RD	R411	RS5026	220 1 W	RD
R107	RDO468	680 0.33 W	RD	R501ab	RDO449	27 K 0.33 W	RD
R108	RDO454	10 K 0.33 W	RD	R502ab	RS1299	560 0.33 W	Rf
R109	RDO449	27 K 0.33 W	RD	R503ab	RDO449	27 K 0.33 W	RD
R110	RDO459	3.9 K 0.33 W	RD	R504ab	RS1299	560 0.33 W	Rf
R111	RDO489	10 0.33 W	RD	R508ab	RDO450	22 K 0.33 W	RD
R112	RDO489	10 0.33 W	RD	R509ab	RDO450	22 K 0.33 W	RD
R114	RDO140	47 0.5 W	RD	R513	RS2746	560 1 W	Ro
R115	RDO452	15 K 0.33 W	RD	R601	RDO451	18 K 0.33 W	RD
R116	RDO447	39 K 0.33 W	RD	R602	RDO450	22 K 0.33 W	RD
R118	RDO447	39 K 0.33 W	RD	R603	RDO464	1.5K 0.33 W	RD
R119	RDO442	100 K 0.33 W	RD	R604	RDO458	4.7K 0.33 W	RD
R120	RDO477	120 0.33 W	RD	R605	RDO430	1 M 0.33 W	RD
R401	RDO438	220 K 0.33 W	RD	R606	RDO430	1 M 0.33 W	RD
R402	RDO438	220 K 0.33 W	RD	R607	RS1269	33 0.33 W	Ro
R403	RDO440	150 K 0.33 W	RD	R901	RDO446	47 K 0.33 W	RD
R404	RDO466	1 K 0.33 W	RD	R902	RDO446	47 K 0.33 W	RD
R405	RDO458	4.7 K 0.33 W	RD	R903	RDO449	27 K 0.33 W	RD
(FET, Transistor)							
Q101	TF0018	2SK-147-BL		Q402	TRO029	2SC-945	
Q102	TF0018	2SK-147-BL		Q403	TRO029	2SC-945	
Q103	TR5004	2SC-2240		Q404	TRO029	2SC-945	
Q104	TR5005	2SA-970		Q405	TRO043	2SA-733	
Q105	TR0236	2SC-2229		Q406	TRO029	2SC-945	
Q106	TR0237	2SA-949		Q407	TRO264	2SC-2235	
Q107	TR0264	2SC-2235		Q408	TRO264	2SC-2235	
Q108	TR0263	2SA-965		Q501ab	TRO043	2SA-733	
Q401	TRO029	2SC-945					

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Diode)							
D401	TD0214	US-1035		D504ab	TD0023	WZ-071 ZENER 7.1 V	
D402	TD0214	US-1035		D505ab	TD0023	WZ-071 ZENER 7.1 V	
D403	TD0023	WZ-071 ZENER 7.1 V		D506	TD0215	UB-152	
D404	TD0073	WG-713		D507	TD0216	WZ-110 11 V	
D405	TD0214	US-1035		D601	TD0214	US-1035	
D406	TD0004	1N-4004		D602	TD0214	US-1035	
D407	TD0004	1N-4004		D603	TD0018	1K-188 FM-1	
D408	TD0002	1N-4002		Q502ab	TV0030	KB-265C4	
D409	TD0085	WZ-230 ZENER 23 V		Q503ab	TV0030	KB-265C4	
D501ab	TD0215	UB-152					
(Trimming Potentiometer)				(Switch, wire)			
VR101	RT0023	4.7 K Ω B		S1001	SP0178	Slide, Tape Dubbing	
VR501ab	RT0009	10 K Ω B		S1002	SP0178	Slide, Tape Dubbing	
VR502ab	RT0009	10 K Ω B		S901	SP0177	Slide, Subsonic	
(Relay)							
RY401	AY0025	RZ-24 (24V)					
(PCB Board)							
	PC1355	PB-1355					

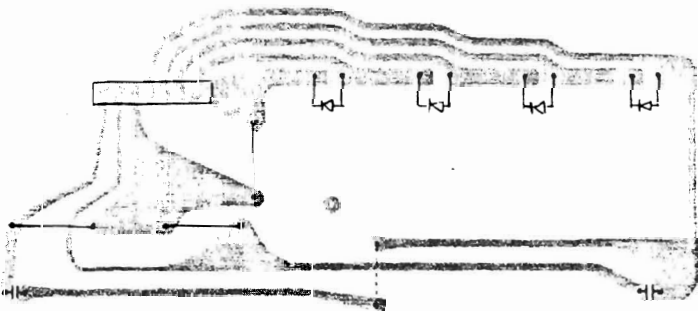


PB-1356 (Tape Selector, Pre. Out. S)

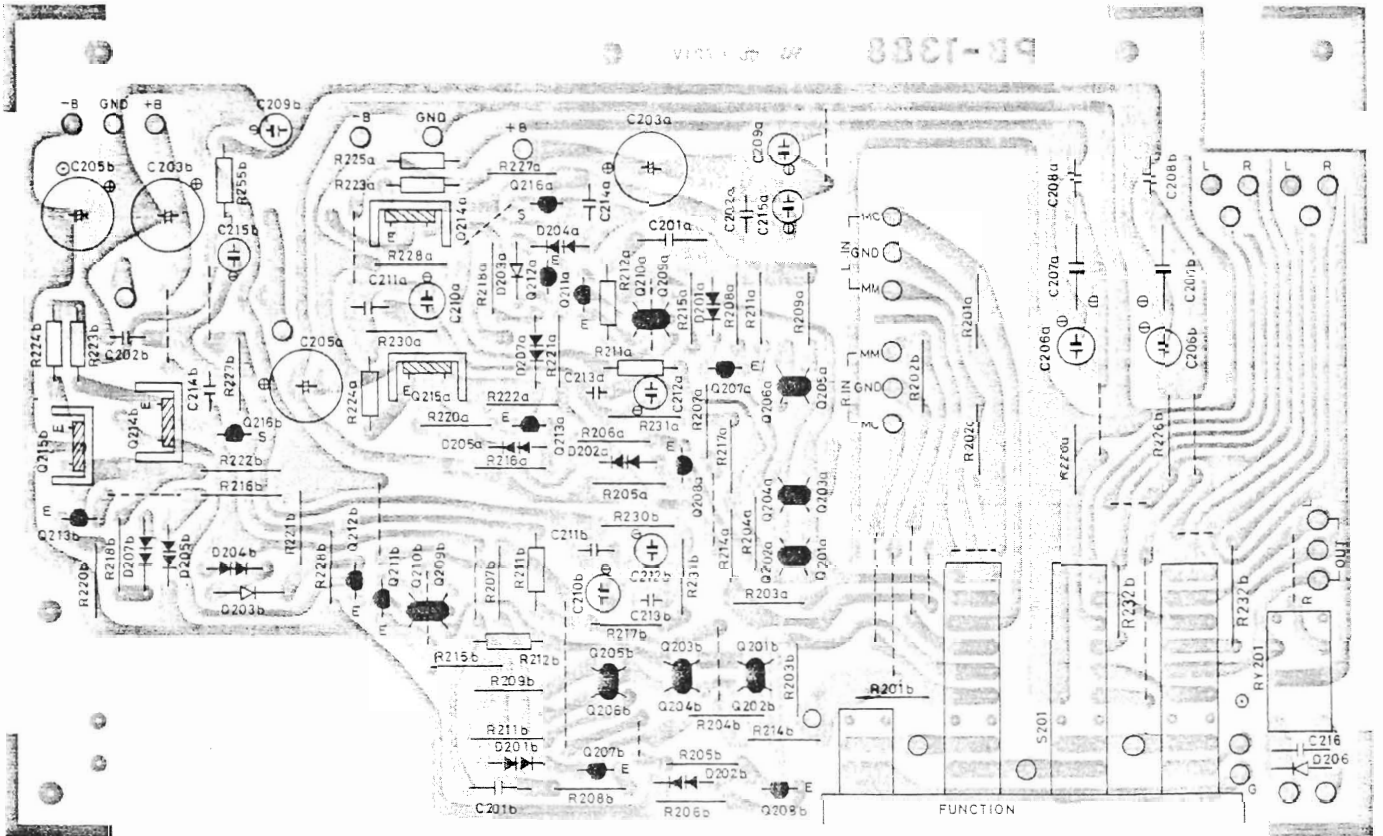
(Switch, Resistor)			
S801~			
S804	SP0175	Push Switch	
R1101	RDO466	1 K Ω 0.33 W	RD
R1102	RDO466	1 K Ω 0.33 W	RD
R1103	RDO466	1 K Ω 0.33 W	RD
(PCB Board)			
	PC1356	PB-1356	

PB-1357 (Indicator)

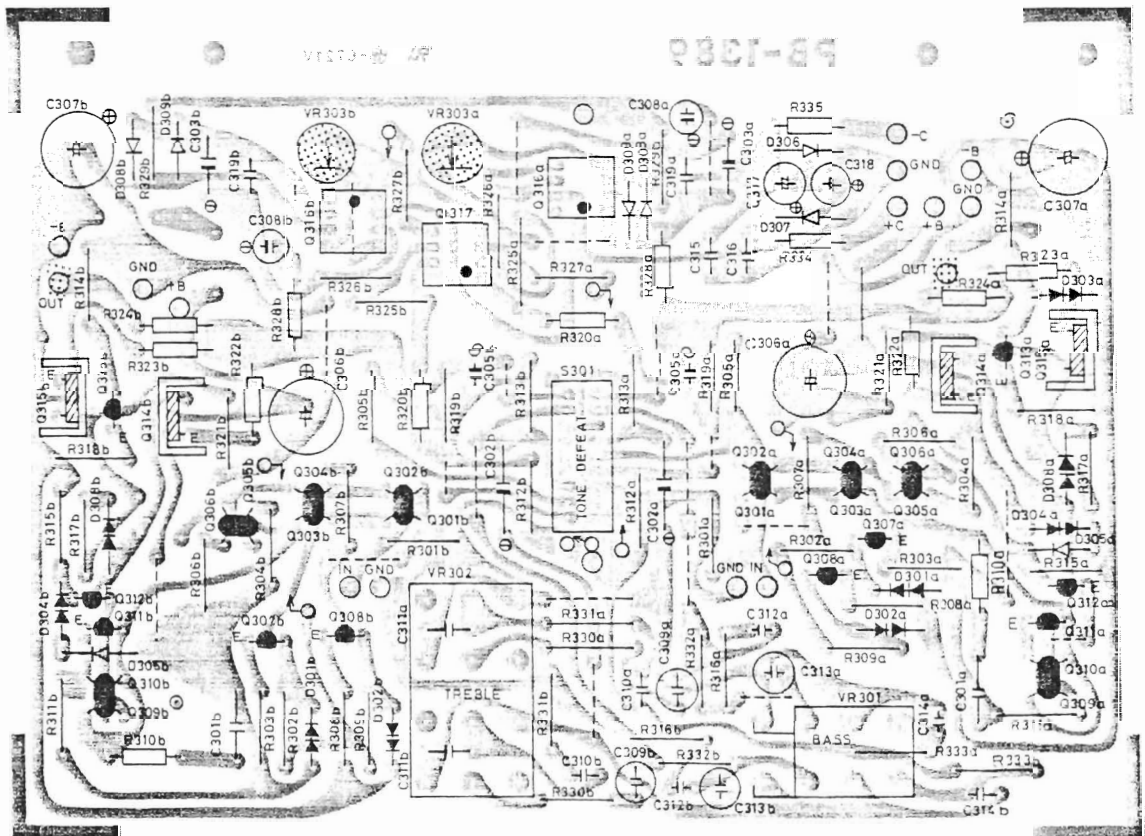
(LED, Resistor)			
D1001	TD0222	LED, SEL171 OK(Y) MC	
D1002	TD0222	LED, SEL171 OK(Y)MC.Direct	
D1003	TD0223	LED, SEL191 OA(A) Tuner	
D1004	TD0223	LED, SEL191 OA(O) AUX	
D1005	TD0224	LED, SEL111 OS(R) Signal	
D1006	TD0224	LED, SEL111 OS(R) Rec.	
R1101	RDO466	1 K Ω 0.33 W	RD
R1102	RDO466	1 K Ω 0.33 W	RD
R1103	RDO466	1 K Ω 0.33 W	RD
(PCB Board)			
	PC1357	PB-1357	



PB-1388.....(Equalizer) C-300KA Only



PB-1389.....(Flat, Tone Control) C-300 only



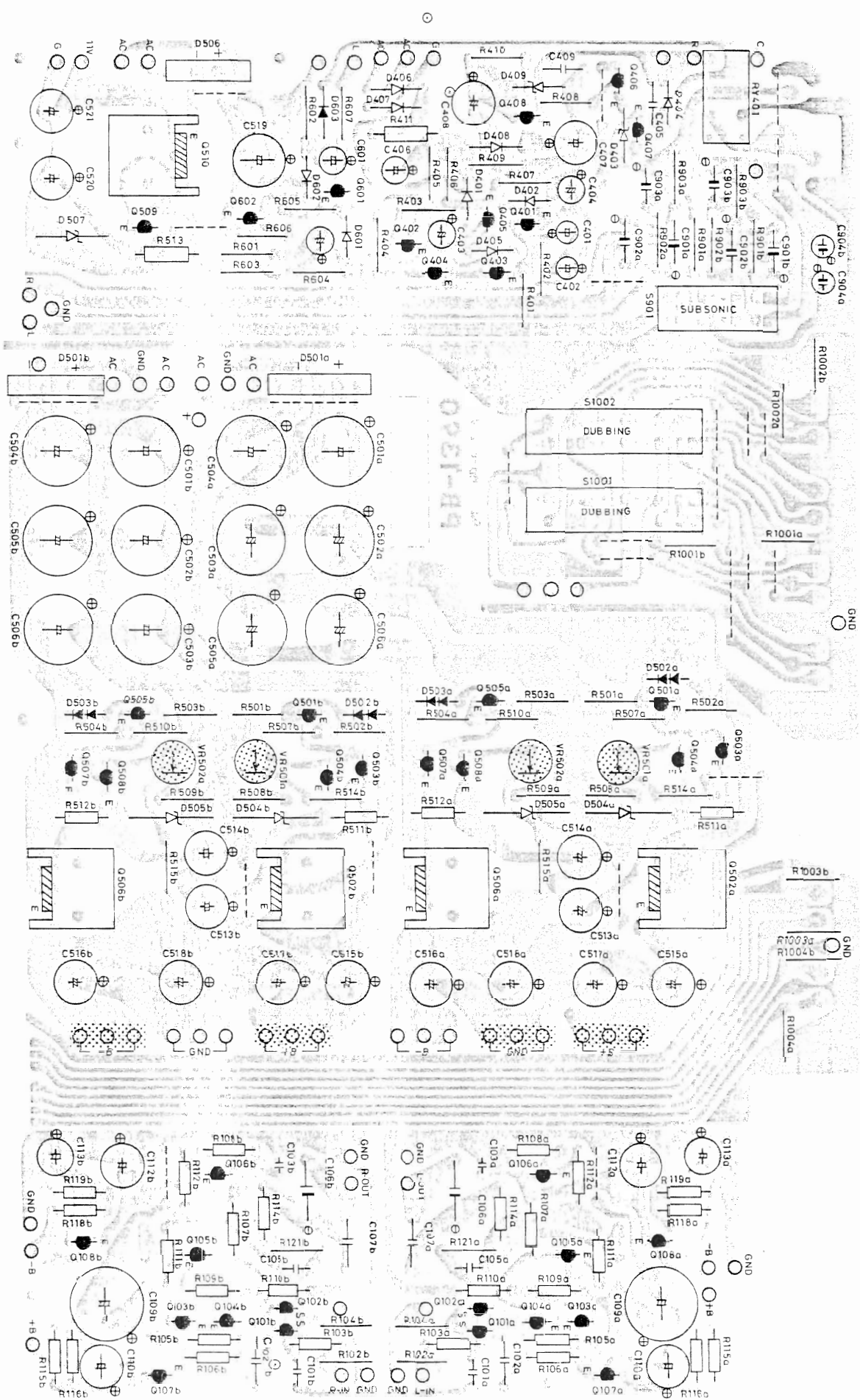
PB-1388.....(Equalizer) C-300KA Only

PB-1389.....(Flat, Tone Control) C-300KA Only

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Capacitor)				(FET, Transistor)			
C201	CM0173	6800PF 50WV	Mi	Q201	TF0020	2SK-163-L-PAIR	
C202	CM0168	560PF 50WV	Mi	Q202	TF0020	2SK-163-L-PAIR	
C203	CE1970	220uF 35WV AR	E1	Q203	TF0020	2SK-168-L-PAIR	
C205	CE1970	220uF 35WV AR	E1	Q204	TF0020	2SK-163-L-PAIR	
C206	CE2045	4.7uF 50WV NXA	E1	Q205	TR5005	2SA-970	
C207	CQ0697	1uF 100WV	Fi	Q206	TR5005	2SA-970	
C208	CM0168	560PF 50WV	Mi	Q207	TR5005	2SA-970	
C209	CM0171	100PF 50WV	Mi	Q208	TR0236	2SC-2229	
C210	CQ1213	6200PF 50WV	Sy	Q210	TR0091	2SA-836	
C211	CM0172	680PF 50WV	Mi	Q211	TR0091	2SA-836	
C212	CQ1204	0.22uF 50WV	Sy	Q212	TR0237	2SA-949	
C213	CQ1200	100PF 50WV	Sy	Q213	TR0236	2SC-2220	
C214	CM0168	560PF 50WV	Mi	Q214	TR0196	2SD-668	
C215	CE2046	2.2uF 50WV NXA	E1	Q215	TR0192	2SB-648	
C216	CK0159	0.1uF 25WV	Ce	Q216	TF0020	2SK-163-L-PAIR	
(Diode)				(Relay, PCB Board)			
D202	TV0030	KB-265C4		RY201	AY0025	RZ-24 (24V)	
D203	TD0214	US-1035			PC1388	PB-1388	
D204	TV0030	KB-265C4		(Switch)			
D205	TV0030	KB-265C4		S201a~			
D206	TD0073	WG-713		201g	SP0173	Input Selector	
D207	TV0030	KB-265C4					
(Resistor) Unit:Ω							
R201	RDO442	100K 1/3W	Rd	R217	RDO474	220 1/3W	Rd
R202	RDO445	56K 1/3W	Rd	R218	RDO480	68 1/3W	Rd
R203	RDO430	1M 1/3W	Rd	R220	RDO477	120 1/4W	Rd
R204	RDO112	18K 1/2W	Rd	R221	RDO448	33K 1/3W	Rd
R205	RDO448	33K 1/3W	Rd	R223	RD1540	18 1/2W	Rd
R206	RDO478	100 1/4W	Rd	R224	RD1540	18 1/2W	Rd
R207	RDO448	33K 1/3W	Rd	R225	RDO139	100 1/2W	Rd
R208	RDO466	1K 1/3W	Rd	R226	RDO437	270K 1/3W	Rd
R209	RDO479	820 1/3W	Rd	R227	RD2160	1.8M 1/3W	Rd
R210	RDO479	320 1/3W	Rd	R228	RDO454	10K 1/3W	Rd
R211	RDO113	15K 1/2W	Rd	R230	RDO434	470K 1/3W	Rd
R212	RDQ142	10 1/2W	Rd	R231	RDO447	39K 1/3W	Rd
R214	RBO180	820 1/4W	Rd	R232	RDO448	33K 1/3W	Rd
R215	RDO482	47 1/4W	Rd	R233	RDO484	33 1/3W	Rd
R216	RDO448	33K 1/3W	Rd				

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Resistor) Unit:Ω				(FET, Transistor, IC)			
R301	RD2170	4.7M 1/3W	Rd	R319	RDO448	33K 1/3W	Rd
R302	RDO448	33K 1/3W	Rd	R320	RDO103	560K 1/2W	Rd
R303	RDO466	1K 1/3W	Rd	R321	RBO234	150K 1/4W	Rd
R304	RDO479	82 1/3W	Rd	R322	RD1540	18 1/2W	Rd
R305	RDO442	100K 1/3W	Rd	R323	RD1540	18 1/2W	Rd
R306	RDO479	82 1/3W	Rd	R324	RD0140	47 1/2W	Rd
R307	RD0112	18K 1/2W	Rd	R325	RD0447	39K 1/3W	Rd
R308	RD478	100 1/4W	Rd	R326	RD0206	10K 1/4W	Rd
R309	RDO448	33K 1/3W	Rd	R327	RBO198	4.7K 1/4W	Rd
R310	RD0142	10 1/2W	Rd	R328	RD0105	220K 1/2W	Rd
R311	RDO482	47 1/4W	Rd	R329	RD0438	220K 1/3W	Rd
R312	RBO200	5.6K 1/4W	Rd	R330	RD0461	2.7K 1/3W	Rd
R313	RDO430	1M 1/3W	Rd	R331	RD0470	470 1/3W	Rd
R314	RDO448	33K 1/3W	Rd	R332	RD0448	33K 1/3W	Rd
R315	RDO448	33K 1/3W	Rd	R333	RBO200	5.6K 1/4W	Rd
R316	RDO481	56 1/3W	Rd	R334	RD0117	4.7K 1/2W	Rd
R317	RDO480	68 1/3W	Rd	R335	RD0117	4.7K 1/2W	Rd
R318	RDO477	120 1/4W	Rd				
(Capacitor)				(Potentiometer)			
C301	CM0173	6800PF 50WV	Mi	VR301	RV0271	150K Sx2	
C302	CQ2008	1uF 100WV	Fi	VR302	RV0272	19K Sx2	
C303	CQ0693	0.22uF 100WV	Fi	(Trimming Potentiometer)			
C305	CM0159	10PF 100WV	Mi	VR303	RT0009	10KΩ B SR19R	
C306	CE1970	220uF 35WV AR	E1	(Switch, PCB Board)			
C307	CE1970	220uF 35WV AR	E1	S301ab	SP0269		
C308	CE2046	2.2uF 50WV NXA	E1		PC1389	PB-1389	
C309	CQ0283	8200PF 50WV	Sy				
C310	CQ1338	0.47uF 50WV	Mi				
C311	CQ0071	100PF 50WV	Sy				
C312	CM0119	33PF 500WV	Mi				
C313	CQ0283	8200PF 50WV	Sy				
C314	CQ1338	0.47uF 50WV	Mi				
C315	CM0168	560PF 50WV	Mi				
C316	CM0168	560PF 50WV	Mi				
C317	CE1763	10uF 63WV	E1				
C318	CE1763	10uF 63WV	E1				
C319	CM0168	560PF 50WV	Mi				
(Diode)							
D301	TV0030	KB-265C4					
D303	TV0030	KB-265C4					
D304	TV0030	KB-265C4					
D305	TD0214	US-1035					
D306	TD0109	WZ-150 ZENER 15V					
D307	TD0109	WZ-150 ZENER 15V					
D308	TV0030	KB-265C4					
D309	TD0214	US-1035					
D310	TD0214	US-1035					

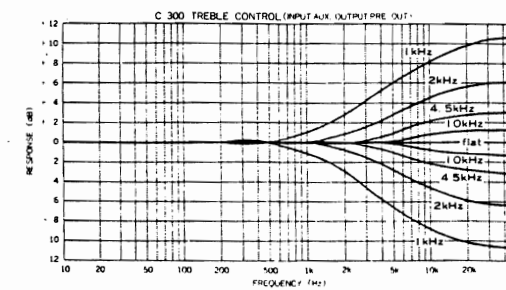
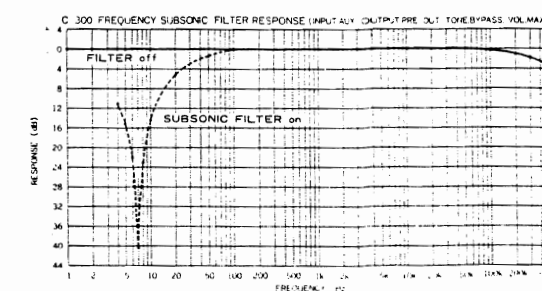
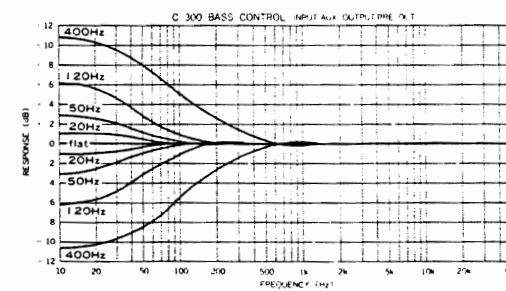
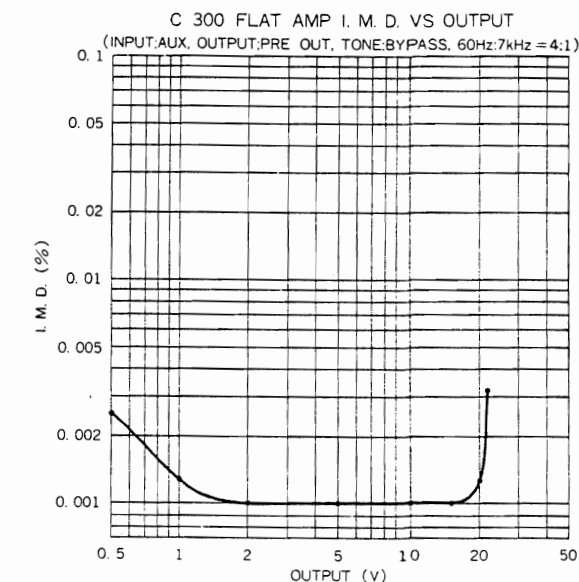
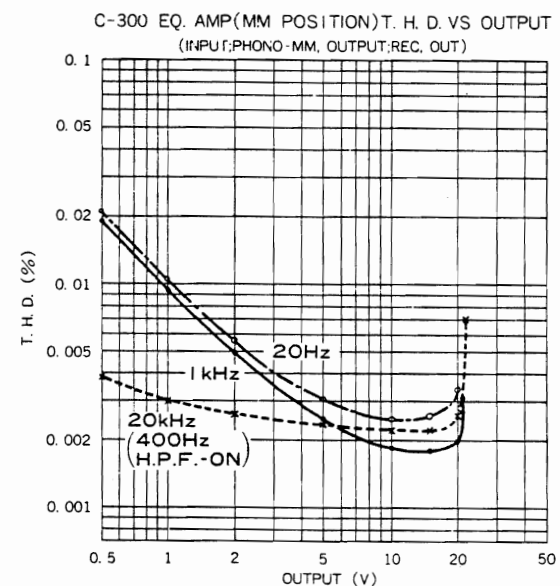
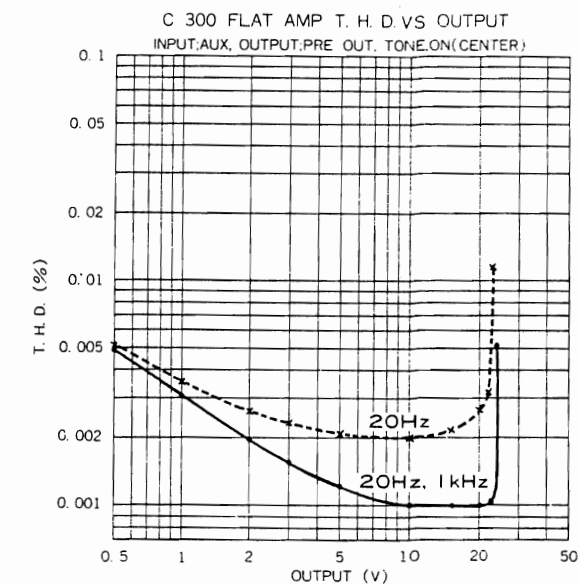
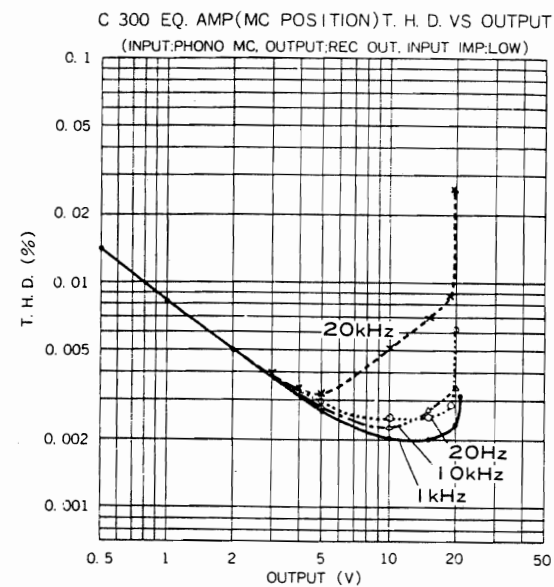
PB-1390.....(Protector, Mute, Regulator)

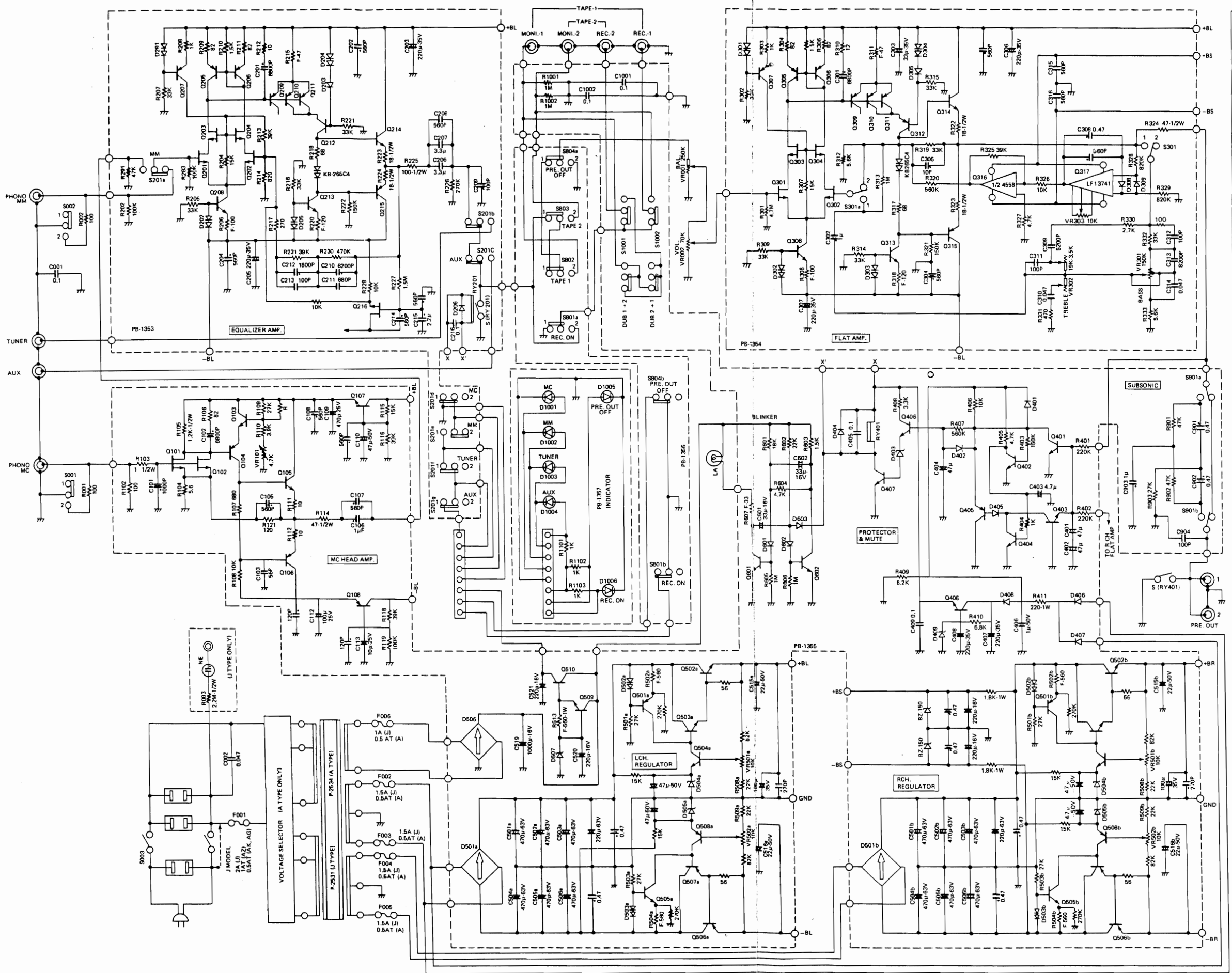


SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Capacitor)							
C101	CM0175	1000 PF 500 WV	Mi	C502ab	CE2047	470 μF 63 WV NXA	EL
C102	CM0173	6800 PF 500 WV	Mi	C503ab	CE2047	470 μF 63 WV NXA	EL
C103	CM0127	56 PF 500 WV	Mi	C504ab	CE2047	470 μF 63 WV NXA	EL
C105	CM0168	560 PF 100 WV	Mi	C505ab	CE2047	470 μF 63 WV NXA	EL
C106	CQ0697	1 μF 100 WV	Fi	C506ab	CE2047	470 μF 63 WV NXA	EL
C107	CM0174	2200 PF 500 WV	Mi	C513ab	CE1979	22 μF 50 WV AR	EL
C109	CE1963	470 μF 25 WV AR	EL	C514ab	CE1979	22 μF 50 WV AR	EL
C110	CE1981	47 μF 50 WV AR	EL	C515ab	CE1979	22 μF 50 WV AR	EL
C112	CE1743	100 μF 35 WV	EL	C516ab	CE1979	22 μF 50 WV AR	EL
C113	CE1956	10 μF 25 WV AR	EL	C517ab	CE1744	220 μF 35 WV	EL
C401	CE1710	47 μF 10 WV	EL	C518ab	CE1743	100 μF 35 WV	EL
C402	CE1710	47 μF 10 WV	EL	C519	CE1725	1000 μF 16 WV	EL
C403	CE1727	4.7 μF 25 WV	EL	C520	CE1722	220 μF 16 WV	EL
C404	CE1720	47 μF 16 WV	EL	C521	CE1722	220 μF 16 WV	EL
C405	CK0159	0.1 μF 25 WV	Ca	C601	CE1719	33 μF 16 WV	EL
C406	CE1750	1 μF 50 WV	EL	C602	CE1719	33 μF 16 WV	EL
C407	CE1744	220 μF 35 WV	EL	C901	CQ2006	0.47 μF 125 WV	Fi
C408	CE1744	220 μF 35 WV	EL	C902	CQ2006	0.47 μF 125 WV	Fi
C409	CK0159	0.1 μF 25 WV	Ce	C903	CQ2008	1 μF 125 WV	Fi
C501ab	CE2047	470 μF 63 WV NXA	EL	C904	CQ1200	100 PF 50 WV	Sy
(Diode)							
D401	TD0214	US-1035		D502ab	Tv0030	KB-265C4	
D402	TD0214	US-1035		D503ab	Tv0030	KB-265C4	
D403	TD0023	WZ-071 ZENER 7.1V		D504ab	TD0024	WZ-081 ZENER 8.1V	
D404	TD0073	WG-713		D505ab	TD0024	WZ-081 ZENER 8.1V	
D405	TD0214	US-1035		D506	TD0215	UB-152	
D406	TD0004	IN-4004		C507	TD0216	WZ-110 ZENFR 11V	
D407	TD0004	IN-4004		D601	TD0214	US-1035	
D408	TD0002	IN-4002		D602	TD0214	US-1035	
D409	TD0085	WZ-230 ZENER 23V		D603	TD0018	1K-188FM-1	
D501ab	TD0215	UB-152					
(FET, Transistor)							
Q101	TF0018	2SK-147-BL		Q407	TRO264	2SC-2235	
Q102	TF0018	2SK-147-BL		Q408	TRO264	2SC-2235	
Q103	TR5004	2SC-2240		Q501ab	TRO043	2SA-733	
Q104	TR5005	2SA-970		Q502ab	TRO121	2SC-1626	
Q105	TRO236	2SC-2229		Q503ab	TRO029	2SC-945	
Q106	TRO237	2SA-949		Q504ab	TRO029	2SC-945	
Q107	TRO264	2SC-2235		Q505ab	TRO029	2SC-945	
Q108	TRO263	2SA-965		Q506ab	TRO122	2SA-816	
Q401	TRO029	2SC-945		Q507ab	TRO043	2SA-733	
Q402	TRO029	2SC-945		Q508ab	TRO043	2SA-733	
Q403	TRO029	2SC-945		Q509	TRO029	2SC-945	
Q404	TRO029	2SC-945		Q510	TRO173	2SD-526	
Q405	TRO043	2SA-733		Q601	TRO029	2SC-945	
Q406	TRO029	2SC-945		Q602	TRO029	2SC-945	

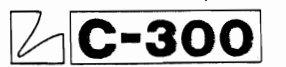
STANDARD CURVES

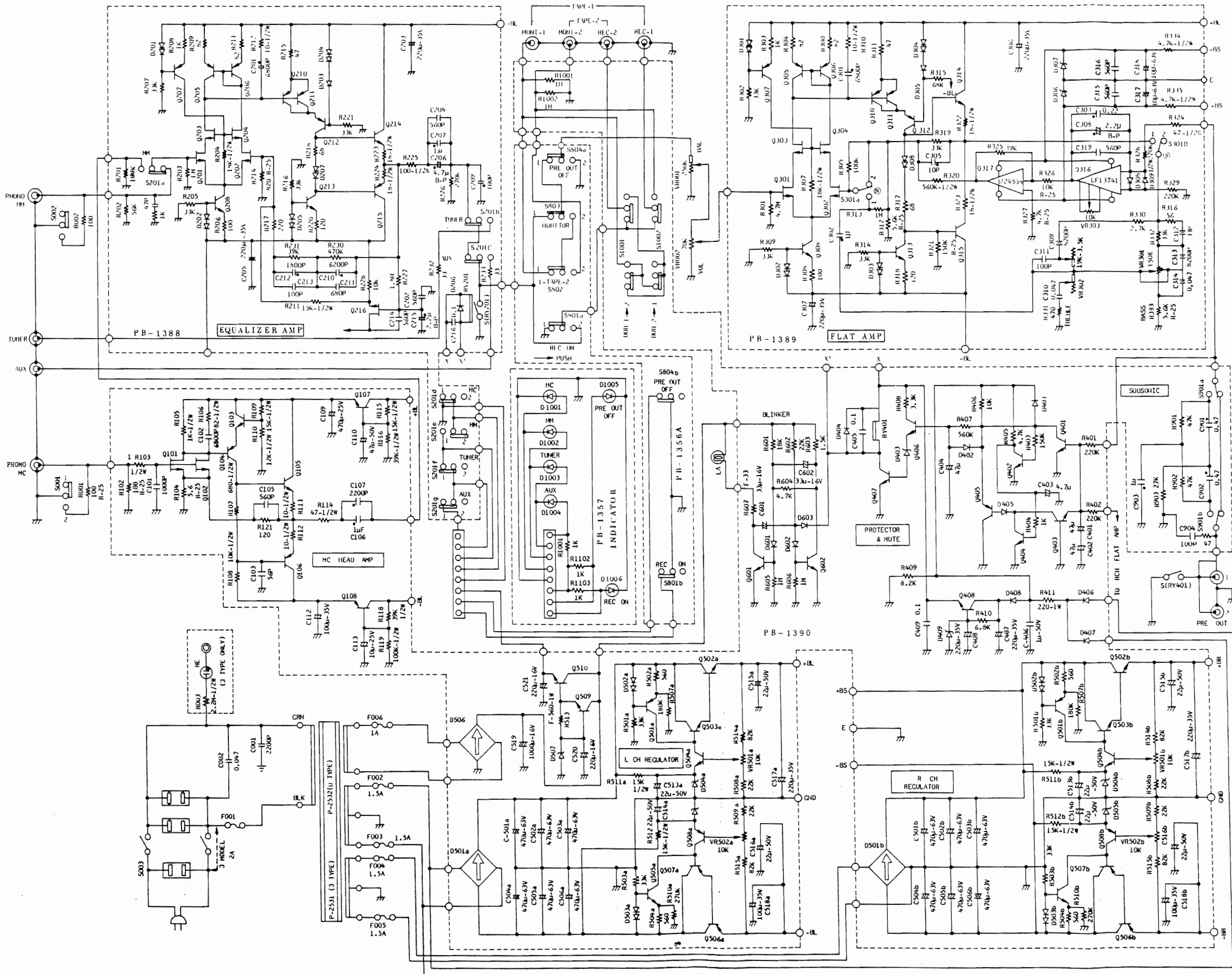
SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
(Resistor)							
R1001	RDO430	1M 1/3W	Rd	R409	RDO455	8.2K 1/3W	Rd
R1002	RDO430	1M 1/3W	Rd	R410	RDO456	6.8K 1/3W	Rd
R102	RB0158	100 1/4W	Rd	R411ab	RS5026	220 1/3W	Rd
R103	RD1510	1 1/2W	Rd	R501ab	RDO448	33K 1/3W	Rd
R104	RB0128	5.6 1/4W	Rd	R502ab	RDO469	560 1/4W	Rd
R105	RDO354	1K 1/2W	Rd	R503ab	RDO448	33K 1/3W	Rd
R106	RDO290	82 1/2W	Rd	R504ab	RDO469	560 1/4W	Rd
R107	RDO132	680 1/2W	Rd	R507ab	RDO439	180K 1/3W	Rd
R108	RDO115	10K 1/2W	Rd	R508ab	RDO450	22K 1/3W	Rd
R109	RDO113	15K 1/2W	Rd	R509ab	RDO450	22K 1/3W	Rd
R110	RDO114	12K 1/2W	Rd	R510ab	RDO437	270K 1/3W	Rd
R111	RDO142	10 1/2W	Rd	R511ab	RDO113	15K 1/2W	Rd
R112	RDO142	10 1/2W	Rd	R512	RDO113	15K 1/2W	Rd
R114	RDO140	47 1/2W	Rd	R513	RS2746L	560 1W	Ro
R115	RDO113	15K 1/2W	Rd	R514ab	RDO443	82K 1/3W	Rd
R116	RDO110	39K 1/2W	Rd	R515ab	RDO443	82K 1/3W	Rd
R118	RDO110	39K 1/2W	Rd	R601	RDO451	18K 1/3W	Rd
R119	RDO106	100K 1/2W	Rd	R602	RDO450	22K 1/3W	Rd
R121	RDO477	120 1/4W	Rd	R603	RDO464	1.5K 1/3W	Rd
R401	RDO438	220K 1/3W	Rd	R604	RDO458	4.7K 1/3W	Rd
R402	RDO438	220K 1/3W	Rd	R605	RDO430	1M 1/3W	Rd
R403	RDO440	150K 1/3W	Rd	R606	RDO430	1M 1/3W	Rd
R404	RDO466	1K 1/3W	Rd	R607	RS1441	330 1/3W	Ro
R405	RDO458	4.7K 1/3W	Rd	R901	RDO446	47K 1/3W	Rd
R406	RDO454	10K 1/3W	Rd	R902	RDO446	47K 1/3W	Rd
R407	RDO433	560K 1/3W	Rd	R903	RDO449T	27K 1/3W	Rd
R408	RDO460	3.3K 1/3W	Rd				
(Switch)				(Trimming Potentiometer)			
S1001	SP0178	Slide, Tape Dubbing		VR501ab	RT0009	10KΩB SR19R	
S1002	SP0178	Slide, Tape Dubbing		VR502ab	RT0009	10KΩB SR19R	
S901	SP0177	Slide, Subsonic		(PCB Board)			
				PC1390	PB-1390		
				(Relay)			
				RY401	AY0025	RZ-24 24V	





- TRANSISTORS & IC**
- | | | | |
|-------------|----------|-------------|-----------|
| Q101, Q102 | RSK 147, | Q103 | 2SC2740 |
| Q104 | 2SA870, | Q105 | 2SC2229 |
| Q106 | 2SA499, | Q107 | 2SC2236 |
| Q108 | 2SA985 | | |
| Q201 - Q204 | 2SK 163, | Q205 - Q207 | 2SA970 |
| Q208 | 2SC2279 | Q209 - Q211 | 2SA836 |
| Q212 | 2SA949 | | 2SC2229 |
| Q214 | 2SD688 | Q215 | 2SB648 |
| Q216 | 2SK 163 | | |
| Q301 - Q304 | 2SK 163 | Q305 - Q307 | 2SA970 |
| Q308 | 2SC2229 | Q309 - Q311 | 2SA836 |
| Q312 | 2SA949 | Q313 | 2SC2229 |
| Q314 | 2SD688 | Q315 | 2SB648 |
| Q316 | LF-13741 | Q317 | NJM4558DX |
| Q401 - Q404 | 2SC945 | Q405 | 2SA733 |
| Q406 | 2SC945 | Q407, Q408 | 2SC2735 |
| Q501 | 2SA733 | Q502 | 2SC1626 |
| Q503 - Q505 | 2SC945 | Q506 | 2SA816 |
| Q507, Q508 | 2SA733 | Q509 | 2SC945 |
| Q510 | 2SD526 | | |
| Q801, Q802 | 2SC945 | | |
- DIODES**
- | | | | |
|--------------|-------------------|------------|-----------|
| D201, D202 | KB-265C4 | D203 | US1035 |
| D204, D205 | KB-265C4 | D206 | WG-713 |
| D301 - D304 | KB-265C4 | D305 | US1035 |
| D308, D309 | US1035 | | |
| D401, D402 | US1035 | D403 | WZ-071 |
| D404 | WG-713 | D405 | US1035 |
| D406, D407 | IN4004 | D408 | IN4002 |
| D409 | WZ-230 | | |
| D501 | UB-152 | D502, D503 | KB-265C4 |
| D504, D505 | WZ-071 | D506 | UB-152 |
| D507 | WZ-110 | | |
| D601, D602 | US1035 | D603 | 1K188FM-1 |
| D1001, D1002 | SEL1710K (YELLOW) | | |
| D1003, D1004 | SEL1910A (ORANGE) | | |
| D1005, D1006 | SEL11105 (RED) | | |
- SWITCHES**
- S001 MC PHONO IMPEDANCE (1. HIGH 2. LOW)
 S002 MM PHONO IMPEDANCE (1. 50kΩ 2. 100kΩ)
 S201 FUNCTION (AUX TUNER MM MC)
 S301 TONE BYPASS (1. OFF 2. TONE BYPASS)
 S801 RECORDING SW (1. OFF 2. REC ON)
 S802 TAPE MONITOR-1 (1. SOURCE 2. MONITOR-1)
 S803 TAPE MONITOR-2 (1. SOURCE 2. MONITOR-2)
 S804 PRE OUT OFF (1. OFF 2. PRE OUT OFF)
 S1001 TAPE DUBBING (1. SOURCE 2. DUB. 1-2)
 S1002 TAPE DUBBING (1. SOURCE 2. DUB. 2-1)
 S003 POWER
- VARIABLE RESISTORS**
- VR101 FOR MC HEAD AMP DC OFFSET ADJ.
 VR303 FOR FLAT AMP DC OFFSET ADJ.
 VR501 FOR VOLTAGE ADJ.
 VR502 FOR VOLTAGE ADJ.
 VR301 FOR TONE CONTROL BASS
 VR302 FOR TONE CONTROL TREBLE
 VR001 FOR BALANCE CONTROL
 VR002 FOR VOLUME CONTROL
- FUSES**
- | | | | |
|------|---------------------|------|----------------|
| F001 | 2A (J TYPE) | F002 | 1.5A (J TYPE) |
| F001 | 1AT (AZ TYPE) | F002 | 0.5AT (A TYPE) |
| F001 | 0.5AT (AK, AG TYPE) | | |
| F003 | 1.5A (J TYPE) | F004 | 1.5A (J TYPE) |
| F003 | 0.5AT (A TYPE) | F004 | 0.5AT (A TYPE) |
| F005 | 1.5A (J TYPE) | F006 | 1A (J TYPE) |
| F005 | 0.5AT (A TYPE) | F006 | 0.5AT (A TYPE) |
1. UNLESS OTHERWISE SPECIFIED, ALL RESISTOR ARE IN OHM 1/4 WATT. ALL CAPACITOR ARE IN MICRO FARAD.
 2. TRANSISTOR AND DIODES MAY BE REPLACED WITH ANY TYPE HAVING COMPARABLE RATINGS.
 3. DUE TO CONTINUED IMPROVEMENT LUX RESERVE THE CIRCUIT OR SPECIFICATION.





TRANSISTORS & IC

Q101, Q102	2SK147	Q103	2SC2740
Q104	2SA970	Q106	2SC2279
Q106	2SA949	Q107	2SC2236
Q108	2SA955		
Q201 - Q204	2SK163	Q205 - Q207	2SA970
Q208	2SC2229	Q210 - Q211	2SA836
Q212	2SA949	Q213	2SC2279
Q214	2SD688	Q215	2SC2236
Q216	2SK163		
Q301 - Q304	2SK163	Q305 - Q307	2SA970
Q308	2SC2229	Q309 - Q311	2SA836
Q312	2SA949	Q313	2SC2279
Q314	2SD688	Q315	2SB648
Q316	LF 13741	Q317	NUM4558D
Q401 - Q404	2SC945	Q405	2SA733
Q406	2SC945	Q407, Q408	2SC2236
Q501	2SA733	Q502	2SC1626
Q503 - Q506	2SC945	Q506	2SA816
Q507, Q508	2SA733	Q509	2SC945
Q510	2SD526		
Q601, Q602	2SC945		

DIODES

D201, D202	KB 265C4	D203	US1036
D204, D205, D207	KB 265C4	D206	WG 713
D301 - D304, D308	KB 265C4	D305	US1036
D309	US1036	D306, D307	WZ 150
D401, D402	US1036	D403	WZ 071
D404	WG 713	D405	US1036
D406, D407	IN4004	D408	IN4002
D409	WZ 230		
D501	UB 152	D502, D503	KB 265C4
D504, D505	WZ 081	D506	UB 152
D507	WZ 110		
D601, D602	US1036	D603	1K18FM-1

SWITCHES

D1001, D1002	SEL1710K (YELLOW)
D1003, D1004	SEL1910A (ORANGE)
D1005, D1006	SEL1110S (RED)

SWITCHES

S001	MC PHONO IMPEDANCE (1. HIGH 2. LOW)
S002	MM PHONO IMPEDANCE (1. 50KΩ 2. 100Ω)
S201	FUNCTION (AUX TUNER MM MCI)
S301	TAPE MONITOR (1. MONITOR 2. MONITOR-2)
S801	TAPE MONITOR (1. OFF 2. REC. ON)
S802	TAPE MONITOR (1. OFF 2. PRE OUT OFF)
S803	TAPE MONITOR (1. SOURCE 2. MONITOR)
S804	PRE OUT OFF (1. OFF 2. PRE OUT OFF)
S1001	TAPE DUBBING (1. SOURCE 2. DUB. 1-2)
S1002	TAPE DUBBING (1. SOURCE 2. DUB. 2-1)
S003	POWER

VARIABLE RESISTORS

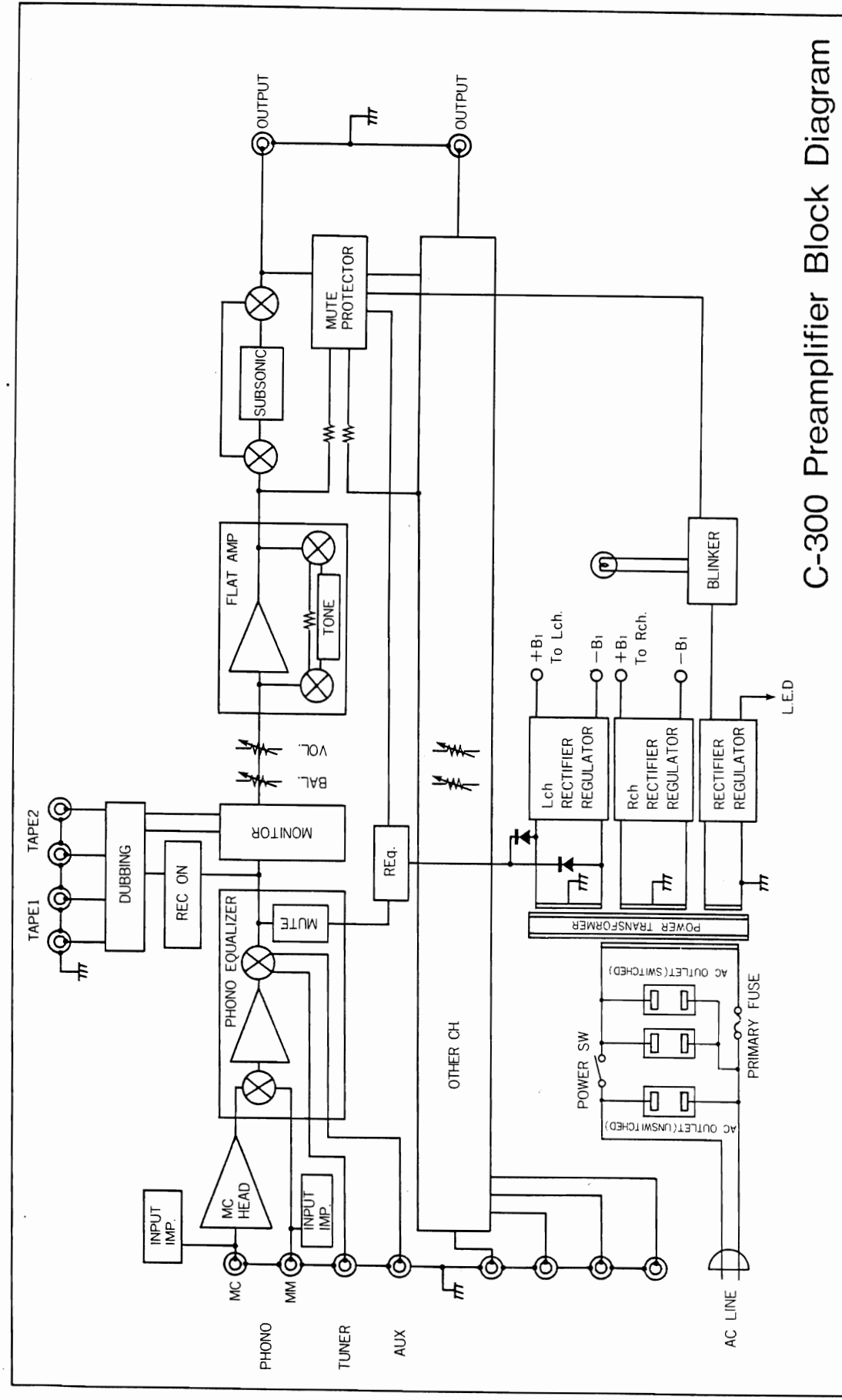
VR303	FOR FLAT AMP DC OFFSET ADJ.
VR501	FOR VOLTAGE ADJ.
VR502	FOR VOLTAGE ADJ.
VR301	FOR TONE CONTROL BASS
VR302	FOR TONE CONTROL TREBLE
VR001	FOR BALANCE CONTROL
VR002	FOR VOLUME CONTROL

FUSES

F001	2A	F002	1.5A
F003	1.5A	F004	1.5A
F005	1.5A	F006	1A

1. UNLESS OTHERWISE SPECIFIED, ALL RESISTOR ARE IN OHM 1/4 WATT. ALL CAPACITOR ARE IN MICRO FARAD.
 2. TRANSISTOR AND DIODES MAY BE REPLACED WITH ANY TYPE HAVING COMPARABLE RATINGS.
 3. DUE TO CONTINUED IMPROVEMENT LUX RESERVE THE CIRCUIT OR SPECIFICATION.





C-300 Preamplifier Block Diagram

SPECIFICATIONS

Output Voltage:	pre out;	rated 1V, max 20V
	rec. out;	rated 140mV, max 20V
Output Impedance:	pre out;	47 ohms
	rec. out;	100 ohms
Total Harmonic Distortion:	phono (MM, MC);	no more than 0.005% (rec. out; 140mV, 20-20kHz)
	tuner, aux;	no more than 0.005% (pre. out; 1V, 20-20kHz)
	monitor-1, -2;	no more than 0.005% (pre. out; 1V, 20-20kHz)
Rated I.M.:	phono (MM, MC);	no more than 0.002% (rec. out; 140mV, 60Hz : 7kHz=4:1)
	tuner, aux;	no more than 0.002% (pre. out; 1V, 60Hz: 7kHz=4:1)
	monitor-1, -2;	no more than 0.002% (pre.out; 1V, 60Hz:7kHz=4:1)
Frequency Response:	phono;	20Hz-20,000Hz (± 0.2 dB)
	tuner, aux;	0.5Hz-140,000Hz (-0.5dB)
	monitor-1, -2;	0.5Hz-140,000Hz (-0.5dB)
Input Sensitivity: (pre. out; 1V)	phono (MC);	0.09mV
	phono (MM);	2.0mV
	tuner, aux;	140mV
	monitor-1, -2;	140mV
Input Impedance:	phono (MC);	high (100 ohms), low (50 ohms)
	phono (MM);	MM (50k ohms), MC (100 ohms)
	tuner, aux;	55k ohms
	monitor-1, -2;	55k ohms
Signal-to-Noise Ratio: (IHF-A wtd, input short-circuited)	phono (MC);	-148dB/V (input-inverted)
	phono (MM);	80dB
	tuner, aux;	100dB
	monitor-1, -2;	100dB
Additional Features:	MC Impedance Selector, MM, MC direct Impedance Selector, Tone Bypass Switch, Tone Control (frequency shift type), REC. OUT Switch, Dual Tape Monitoring, Tape Dubbing, etc.	
Power Consumption:	25W	
Dimensions:	478(W) x 163(H) x 384(D) mm (Wood) (19.1" x 6.5" x 15.4")	
Weight:	Net 9 kgs (19.8 lbs.)	

Specifications and appearance design subject to change without notice.