



SERVICE
MANUAL

PM 550DC



marantz®



model PM550DC

Stereo Console Amplifier

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ Company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

ORDERING PARTS

Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order forms which are available from our National Parts Depot located at the following address:

SUPERSCOPE NATIONAL PARTS DEPARTMENT
20525 Nordhoff Street
Chatsworth, California 91311
Phone: 1-800-423-5108
1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

1. Complete address.
2. Complete part numbers.
3. Complete description of parts.
4. Model number for which part is required (indicate MARANTZ).
5. Account number (for account customers only).

Direct consumers will be provided with the current retail price quotation on available parts in order to advise them of the cost of the parts and shipping.

OVERSEAS PARTS ORDERING

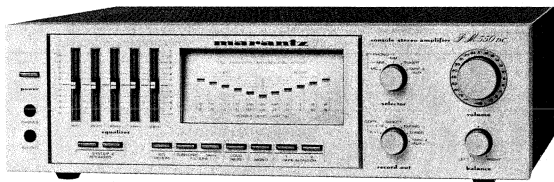
Parts may also be ordered from the following overseas addresses:

U.S.A.	CANADA	AUSTRALIA	JAPAN
Marantz Company, Inc. National Service Dept. P.O. Box 577 Chatsworth, CA 91311 U.S.A.	Superscope Canada, Ltd. 3710 Nashua Drive Mississauga Ontario, Canada L4V1M5	Marantz Australia 32 Cross Street Brookvale, NSW 2100 Australia	Marantz Japan, Inc. 3622 Kamitsuruma Sagamihara-shi Kanagawa, Japan
EUROPE			
Marantz Europe S.A. 326 Avenue Louise Bte 32 1050 Brussels Belgium	Marantz France 4 rue Bernard Palissy 92600 Asnieres France	Marantz Audio U.K., Ltd. 193 London Road Staines, Middlesex United Kingdom	Marantz Germany GMBH Max-Planck-Strasse 22 6072 Dreieich West Germany
Marantz Belgium 45 rue Auguste Van Zande 1080 Brussels Belgium	Marantz Svenska A.B. Franzengatan 6 10425 Stockholm Sweden	Marantz Norske A.S. Refstadalleen 13 Oslo 5 Norway	

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please contact the nearest facility for the necessary assistance.

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1. IDLING CURRENT ADJUSTMENT

Adjust R783 so that the voltage at TP1 is 8 mV 30 seconds after the power is turned on. Adjust R784 so that the voltage at TP2 is the same as above.

These values are for estimated adjustments. The actual voltage when the unit is warmed up should be 12 mV, thus the idling current is about 36 mV.

2. LED POWER LEVEL ADJUSTMENT

Apply a sine wave signal of 1 kHz to the AUX jacks and adjust so that the output voltage is 20V with a load of 8Ω .

Adjust RX07 so that only L channel level LED (QX17) of 8Ω , 100W goes off. Adjust RX08 for the R channel. Confirm that the QX17 and QX18 light up when the output voltage slightly exceeds 20V.

Table 1. Test Equipment Required for Servicing

Item	Manufacturer and Model No.	Use
Distortion Analyzer Audio Oscillator AC Voltmeter	Sound Technology Model 1700B	Distortion Measurements Sinewave and squarewave signal source voltage measurements (AC)
Oscilloscope	Tektronix Model T932 Philips Model 3232	Waveform analysis and trouble shooting and ASO alignment
Circuit Tester		Trouble shooting
DC Voltmeter	Fluke Model 8000 "Digital" Simpson Model 313, Triplet Model 801	Voltage measurements (DC)
AC Wattmeter	Simpson Model 1379	Monitors primary power to amplifier
AC Ammeter	Commercial Grade (1 ~ 10A)	Monitors amplifier output under short circuit condition
Line Voltmeter	Simpson Model 1359	Monitors potential of primary power to amplifier
Variable Autotransformer	Superior Electronic Co., Powerstat Model 116B-10A	Adjusts level of primary power to amplifier
Shorting Plug	Use phono plug with 600 ohm across center pin and shell	Shorts amplifier input to eliminate noise pickup
Output Load (8 ohms, $\pm 0.5\%$ 100W)	Commercial Grade	Provides 8-ohm load for amplifier output termination
Output Load (4 ohms, $\pm 0.5\%$ 100W)	Commercial Grade	Provides 4-ohm load for amplifier output termination
Output Load Capacitor (0.5 mfd)	Mylar	Provides capacitive load for instability checks
AC Power Control Box	Optional Item. Fabricate in accordance with Figure 1	Monitors and controls primary power for amplifier
Amplifier Output Load Box	Optional Item. Fabricate in accordance with Figure 2	Provides various amplifier loads and can monitor shorted output

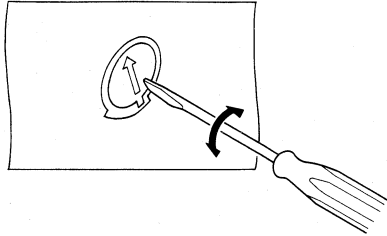
3. VOLTAGE CONVERSION

• EUROPEAN MODEL ONLY

To convert the unit to a different power source voltage, change the position as illustrated in the drawing below.

CAUTION
DISCONNECT POWER SUPPLY CORD FROM AC
OUTLET BEFORE CONVERTING VOLTAGE.

Voltage Conversion Chart



240V $\circ$ 120V
220V $\circ$ 110V



(A) Version

240V $\circ$ 120V
220V $\circ$ 110V



(N) Version

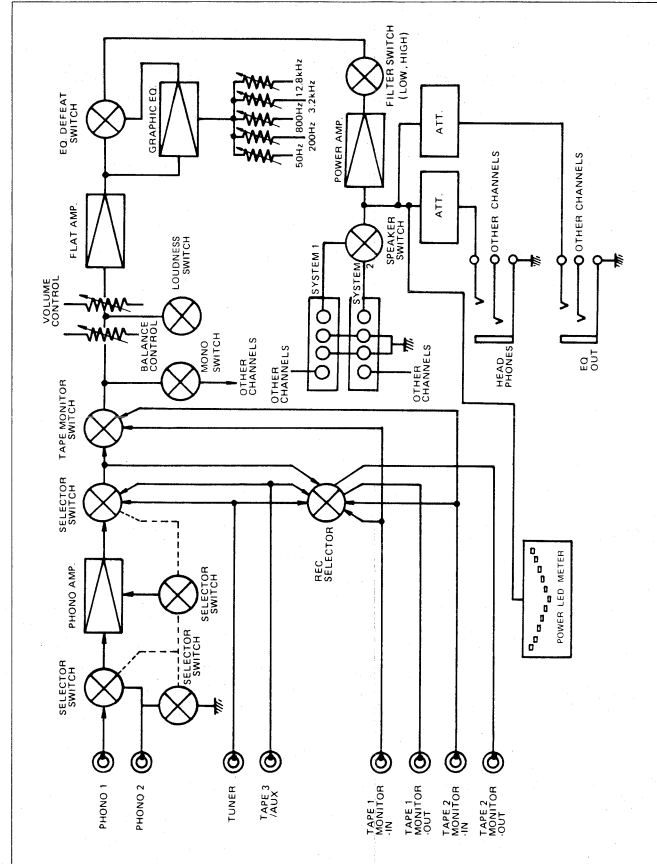
240V $\circ$ 120V
220V $\circ$ 110V



(P) Version

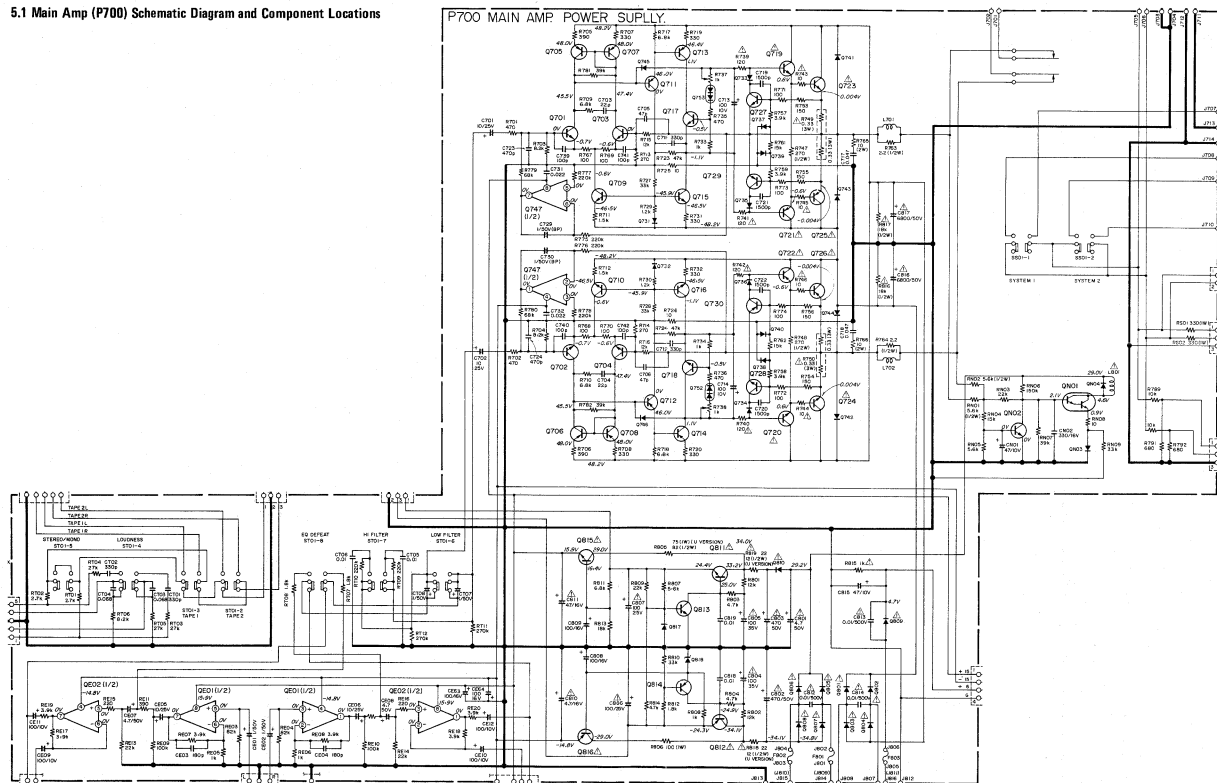
Note on safety: The parts marked with $\triangle$ are important parts on the safety. Please use the parts having the designated parts number without fail.

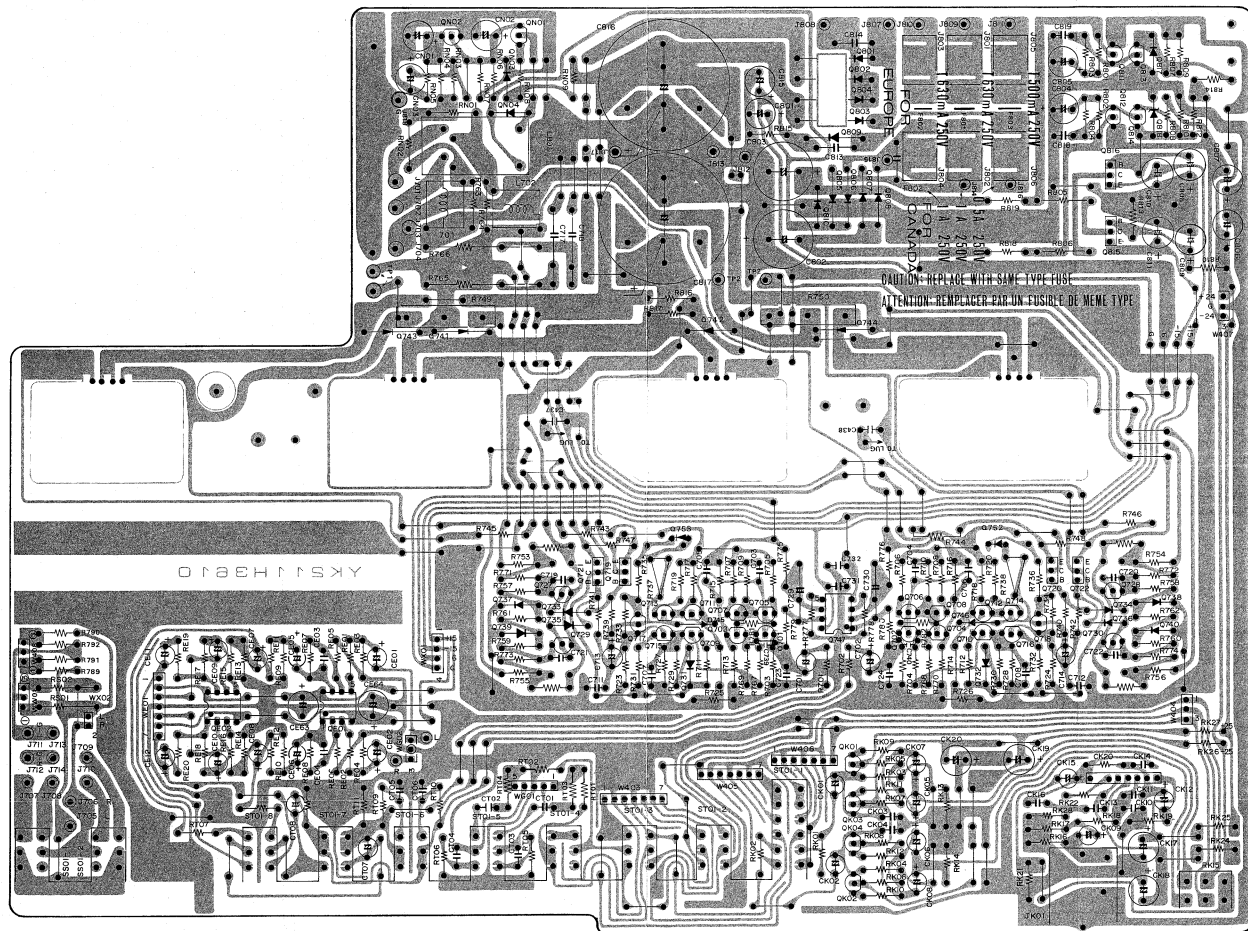
4. BLOCK DIAGRAM



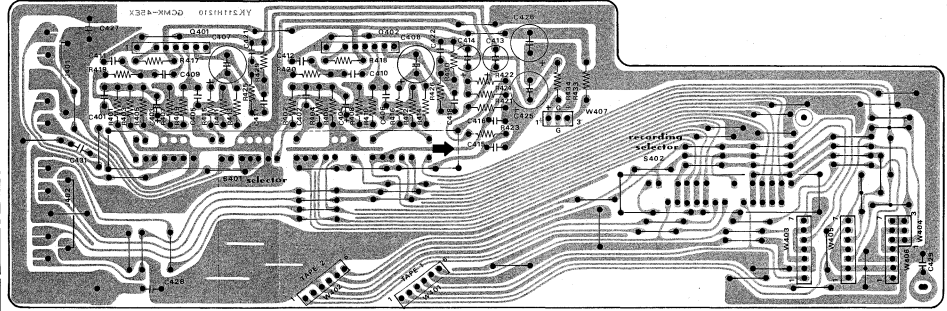
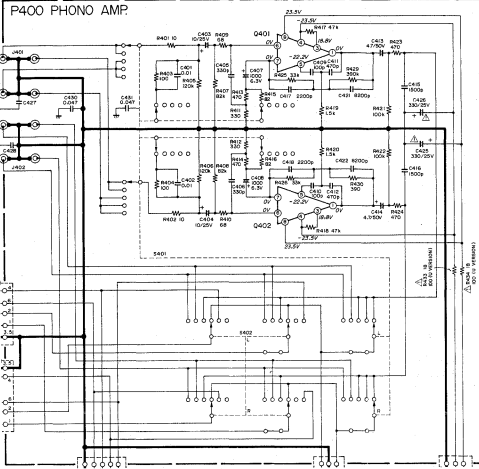
5. DIAGRAM AND COMPONENT LOCATIONS

5.1 Main Amp (P700) Schematic Diagram and Component Locations

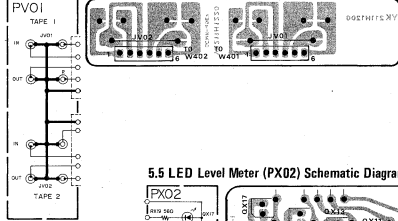




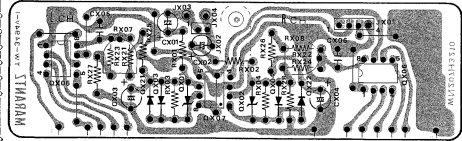
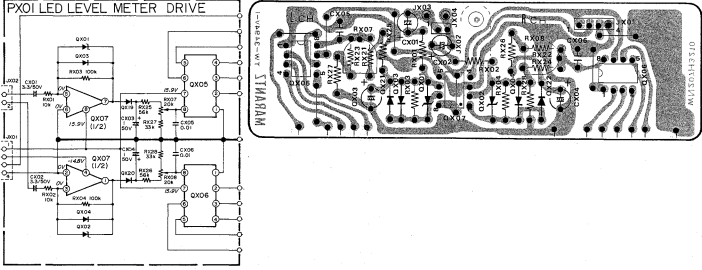
5.2 Phono Amp (P400) Schematic Diagram and Component Locations



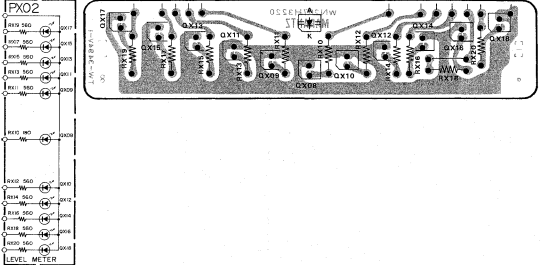
5.3 Tape In/Out (PV01) Schematic Diagram and Component Locations



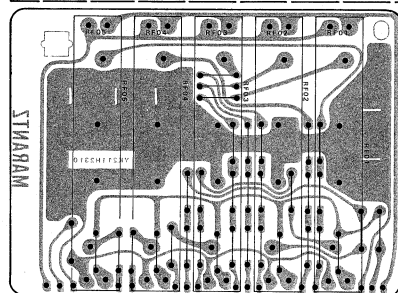
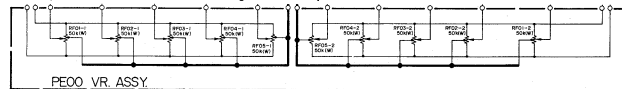
5.4 LED Level Meter Drive (PX01) Schematic Diagram and Component Locations



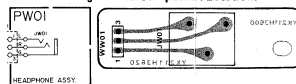
5.5 LED Level Meter (PX02) Schematic Diagram and Component Locations



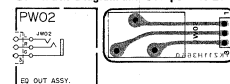
5.6 Graphic Volume (PE00) Schematic Diagram and Component Locations



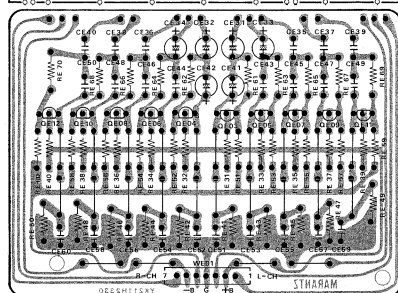
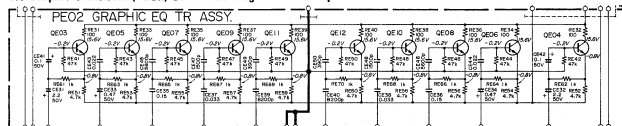
5.9 Head Phone (PW01) Schematic Diagram and Component Locations



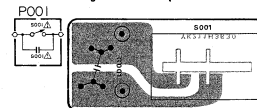
5.10 EQ Out (PW02) Schematic Diagram and Component Locations



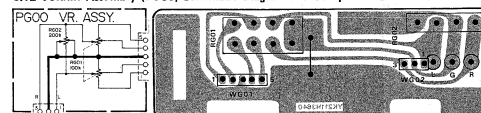
5.8 Graphic Transistor (PE02) Schematic Diagram and Component Locations



5.11 Power Switch (P001) Schematic Diagram and Component Locations

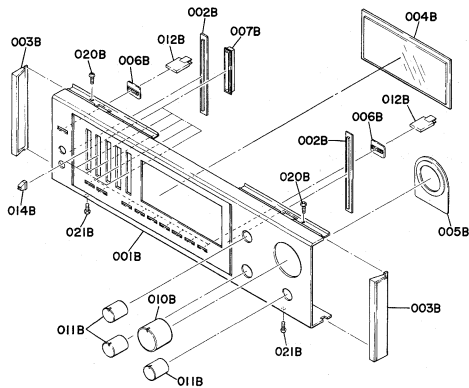


5.12 Volume Assembly (PG00) Schematic Diagram and Component Locations



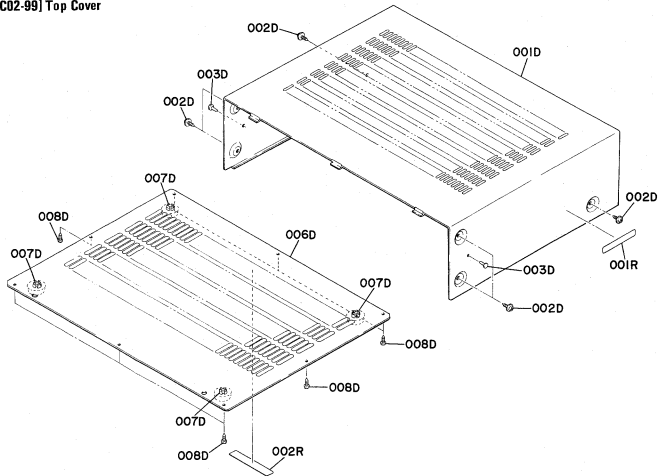
6. EXPLODED VIEWS AND PARTS LIST

[C01-99] Front Panel



REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
A	1	1	1	1	1	211H063400	Front Panel Assembly
001B	1	1	1	1	1	211H063010	Escutcheon, Front Panel
002B	2	2	2	2	2	211H063020	Escutcheon
003B	2	2	2	2	2	211H067010	Cap, Panel Side
004B	1	1	1	1	1	211H158010	Window, Power LED
005B	1	1	1	1	1	208H063020	Escutcheon, Volume
006B	10	10	10	10	10	208H259010	Bushing, Push Switch
007B	5	5	5	5	5	2129259020	Bushing, Slide Volume

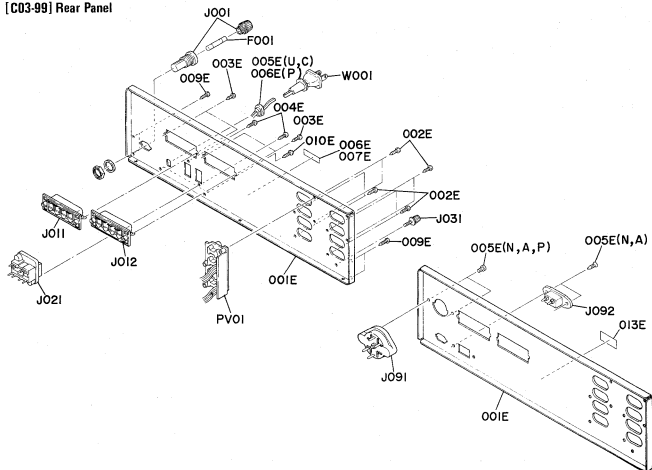
[C02-99] Top Cover



REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001D	1	1	1	1	1	211H257010	Lid, Top Cover
002D	6	6	6	6	6	5126040820	B.T. Screw B4 x 8
003D	2	2	2	2	2	2991259010	Bushing
006D	1	1	1	1	1	211H257020	Lid, Bottom Cover
007D	4	4	4	4	4	403H057010	Leg
008D	8	8	8	8	8	5128030880	B.H. Tapped Screw B3 x 8

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001R	1	1	1	1	1	2932861010	Label
002R	1	1	1	1	1	2578861010	Label

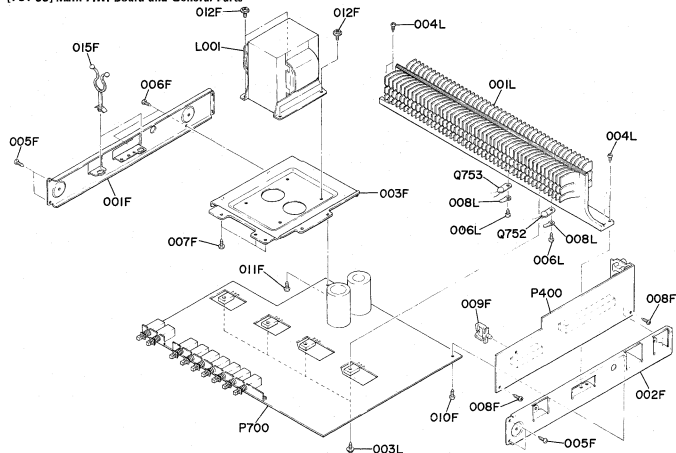
[C03-99] Rear Panel



REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001E	1	1				211H160210	Bracket, Rear Panel
001E			1			211H160220	Bracket, Rear Panel
001E				1		211H160230	Bracket, Rear Panel
001E					1	211H160240	Bracket, Rear Panel
002E	8	8	8	8		51280308U0	B.H. Tapped Screw B3 x 8
003E	4	4	4	4		51280308U0	B.H. Tapped Screw B3 x 8
004E	2	2	2	2		51280308U0	B.H. Tapped Screw B3 x 8
005E	1					1455259030	Bushing, AC Cord
005E		2	2			51420308T0	O.C.H. Tapped Screw O3 x 8
005E		2	2			51280308U0	B.H. Tapped Screw B3 x 8
006E	1	1	1	1		2112265010	Indicator
006E					1	1455259030	Bushing, AC Cord
007E					1	2112265010	Indicator
009E	4	4	4	4		51280308U0	B.H. Tapped Screw B3 x 8
010E	2	2	2	2		51280308U0	B.H. Tapped Screw B3 x 8
013E			1			4581861010	Label

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
Δ F001	1	1				FS10350010	Fuse 3.5A 250V
Δ F001			1	1		FS10125800	Fuse 1.25A 250V
Δ F001					1	FS10350030	Fuse 3.5A 250V
Δ J001	1					YJ08000310	Jack, Fuse Holder
Δ J001			1	1		YJ08000290	Jack, Fuse Holder
Δ J001		1				YJ08000300	Jack, Fuse Holder
J011	1	1	1	1		YT03040200	Terminal, System 1
J012	1	1	1	1		YT03040200	Terminal, System 2
Δ J021	1	1				YJ04000740	Jack, AC Outlet
Δ J021			1	1		YJ04000750	Jack, AC Outlet
J031	1	1	1	1		YL03010250	Terminal, GND
Δ J091			1	1		BY05060040	Voltage Selector
Δ J092			1	1		YP04000590	Plug, AC Inlet
Δ W001	1	1				YC01900070	A.C. Power Cord
Δ W001					1	YC01800190	A.C. Power Cord

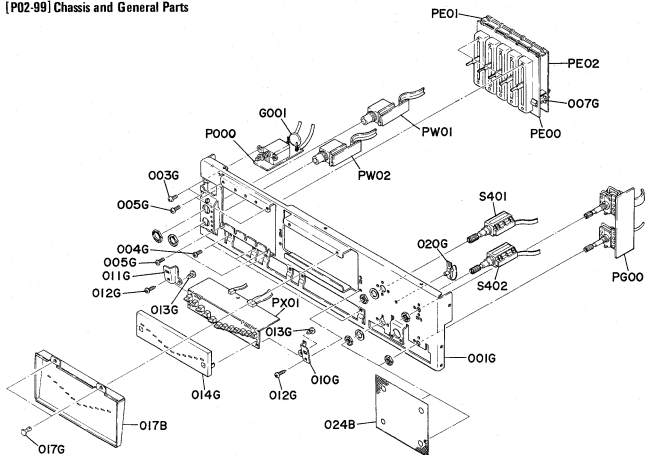
[P01-99] Main P.W. Board and General Parts



REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001F	1	1	1	1	1	211H126010	Stay, (L)
002F	1	1	1	1	1	211H126020	Stay, (R)
003F	1	1	1	1	1	211H105010	Chassis, Transformer
005F	4	4	4	4	4	51280308B0	B.H. Tapped Screw B3 x 8
006F	2	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
007F	3	3	3	3	3	51280408B0	B.H. Tapped Screw B4 x 8
008F	2	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
009F	1	1	1	1	1	2886005050	Clamper
010F	1	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
011F	1	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
012F	4	4	4	4	4	52040410A0	H. Head Bolt, S.F H4 x 10
015F	2	2	2	2	2	2139005010	Clamper

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001L	1	1	1	1	1	211H267010	Heatsink
003L	4	4	4	4	4	51260312B0	B.T. Screw B3 x 12
004L	4	4	4	4	4	51280308B0	B.H. Tapped Screw B3 x 8
006L	2	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
008L	2	2	2	2	2	62030049W0	Lug
Δ L001	1	1	1	1	1	TS18614010	Power Transformer
Δ L001	1	1	1	1	1	TS19616010	Power Transformer
Q752	1	1	1	1	1	HV00010120	Varistor, MV-11Y
Q753	1	1	1	1	1	HV00010120	Varistor, MV-11Y

[P02-99] Chassis and General Parts



REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
017B	1	1	1	1	1	211H302010	Dial, Power Level
024B	1	1	1	1	1	211H303010	Mask
001G	1	1	1	1	1	211H160010	Bracket, Front Chassis
003G	2	2	2	2	2	51100306A9	B.H.M. Screw B3 x 6
004G	4	4	4	4	4	51100306A9	B.H.M. Screw B3 x 6
005G	4	4	4	4	4	51100306A9	B.H.M. Screw B3 x 6
007G	1	1	1	1	1	2139271020	Holder
010G	1	1	1	1	1	211H160020	Bracket, (R)
011G	1	1	1	1	1	211H160030	Bracket, (L)
012G	2	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
013G	2	2	2	2	2	2965005010	Clamper
014G	1	1	1	1	1	208H118010	Spacer
017G	2	2	2	2	2	2276005050	Clamper
020G	1	1	1	1	1	2137005030	Clamper

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
Δ.G001	1	1				DK18103530	Ceramic Cap. 0.01μF 125V
Δ.G001			1	1		DK18103840	Ceramic Cap. 0.01μF 400V
Δ.G001					1	DK18103850	Ceramic Cap. 0.01μF 250V
S401	1	1	1	1	1	SR00050070	Rotary Switch
S402	1	1	1	1	1	SR00060020	Rotary Switch



REF. DESIG.	QTY				PART NO.	DESCRIPTION
	U	C	N	A		
001T	1			1	211H851010	Instructions
001T		1	1		211H851310	Instructions
002T	1			1	211H851020	Instructions
002T		1			211H851220	Instructions
002T			1		211H851320	Instructions
003T	1				2818854020	Guarantee Card
003T					2818854040	Guarantee Card
003T			1		211H856010	Circuit Diagram
003T				1	2205851040	Instructions
003T					2818854010	Guarantee Card
004T	1				2225813010	Envelope
004T		1			2818813010	Envelope
004T				1	9631000090	Guarantee Card
005T		1			96300000180	Guarantee Card
006T		1			96500000050	S. Station Card
006T				1	96500000010	S. Station Card
△W001			1		ZC01805030	A.C. Power Cord
△W001				1	ZC02006030	A.C. Power Cord

ELECTRICAL PARTS LIST

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
P400	1	1	1	1	1	YK211H1210	P400-PHONO AMP CIRCUIT BOARD
	1	1	1	1	1	ZZ211H1210	P.W. Board, Phono Amp P.W. Board Assembly
P400-CAPACITORS							
C401	1	1	1	1	1	DF17103300	Film 0.01μF ±20%
C402	1	1	1	1	1	DF17103300	Film 0.01μF ±20%
C403	1	1	1	1	1	EA10602530	Elect 10μF 25V
C404	1	1	1	1	1	EA10602530	Elect 10μF 25V
C405	1	1	1	1	1	DK16331300	Ceramic 330pF ±10%
C406	1	1	1	1	1	DK16331300	Ceramic 330pF ±10%
C407	1	1	1	1	1	EA10800630	Elect 1000μF 6.3V
C408	1	1	1	1	1	EA10800630	Elect 1000μF 6.3V
C409	1	1	1	1	1	DK16101300	Ceramic 100pF ±10%
C410	1	1	1	1	1	DK16101300	Ceramic 100pF ±10%
C411	1	1	1	1	1	DK16471300	Ceramic 470pF ±10%
C412	1	1	1	1	1	DK16471300	Ceramic 470pF ±10%
C413	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
C414	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
C415	1	1	1	1	1	DF16152300	Film 1500pF ±10%
C416	1	1	1	1	1	DF16152300	Film 1500pF ±10%
C417	1	1	1	1	1	DF15222300	Film 2200pF ±5%
C418	1	1	1	1	1	DF15222300	Film 2200pF ±5%
C421	1	1	1	1	1	DF15822300	Film 8200pF ±5%
C422	1	1	1	1	1	DF15822300	Film 8200pF ±5%
ΔC425	1	1	1	1	1	EA33702530	Elect 330μF 25V
ΔC426	1	1	1	1	1	EA33702530	Elect 330μF 25V
C427	1	1	1	1	1	DK18473320	Ceramic 0.047μF
C428	1	1	1	1	1	DK18473320	Ceramic 0.047μF
C429	1	1	1	1	1	DK18473320	Ceramic 0.047μF
C430	1	1	1	1	1	DK18473320	Ceramic 0.047μF
C431	1	1	1	1	1	DK18473320	Ceramic 0.047μF
P400-RESISTORS (All Resistors are ±5% & ½W)							
R401	1	1	1	1	1	GD05100140	10Ω
R402	1	1	1	1	1	GD05100140	10Ω
R403	1	1	1	1	1	GD05101140	100Ω
R404	1	1	1	1	1	GD05101140	100Ω
R405	1	1	1	1	1	GD05124140	120KΩ
R406	1	1	1	1	1	GD05124140	120KΩ
R407	1	1	1	1	1	GD05823140	82KΩ
R408	1	1	1	1	1	GD05823140	82KΩ
R409	1	1	1	1	1	GD05680140	68Ω
R410	1	1	1	1	1	GD05680140	68Ω
R411	1	1	1	1	1	GD05331140	330Ω
R412	1	1	1	1	1	GD05331140	330Ω
R413	1	1	1	1	1	GD05471140	470Ω
R414	1	1	1	1	1	GD05471140	470Ω
R415	1	1	1	1	1	GD05820140	82Ω
R416	1	1	1	1	1	GD05820140	82Ω
R417	1	1	1	1	1	GD05473140	47KΩ
R418	1	1	1	1	1	GD05473140	47KΩ
R419	1	1	1	1	1	GD05152140	1.5KΩ
R420	1	1	1	1	1	GD05152140	1.5KΩ
R421	1	1	1	1	1	GD05104140	100KΩ
R422	1	1	1	1	1	GD05104140	100KΩ
R423	1	1	1	1	1	GD05471140	470Ω
R424	1	1	1	1	1	GD05471140	470Ω
R425	1	1	1	1	1	GD05333140	33KΩ
R426	1	1	1	1	1	GD05333140	33KΩ
R429	1	1	1	1	1	GD05394140	390KΩ
R430	1	1	1	1	1	GD05394140	390KΩ
ΔR433	1	1	1	1	1	GG05101140	100Ω
ΔR434	1	1	1	1	1	GG05101140	100Ω

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
P400-IC'S							
Q401	1	1	1	1	1	HC10035010	IC HA12017
Q402	1	1	1	1	1	HC10035010	IC HA12017
P400-MISCELLANEOUS							
J401	1	1	1	1	1	YT02040260	Terminal, Input
J402	1	1	1	1	1	YT02040260	Terminal, Input
S401	1	1	1	1	1	SR00050070	Rotary Switch
S402	1	1	1	1	1	SR00060020	Rotary Switch
S403	1	1	1	1	1	SS08060020	Slide Switch
S404	1	1	1	1	1	SS08060020	Slide Switch
W401	1	1	1	1	1	YU06180260	Jumper Lead
W402	1	1	1	1	1	YU06180260	Jumper Lead
W403	1	1	1	1	1	YU07240260	Jumper Lead
W404	1	1	1	1	1	YU03060260	Jumper Lead
W407	1	1	1	1	1	YU03080240	Jumper Lead
W408	1	1	1	1	1	YU03180260	Jumper Lead
P700-MAIN AMP CIRCUIT BOARD							
P700	1	1	1	1	1	YK211H3610	P.W. Board, Main Amp
	1					ZZ211H3610	P.W. Board Assembly
			1			ZZ211H8610	P.W. Board Assembly
				1		ZZ211H7610	P.W. Board Assembly
				1	ZZ211H6610	P.W. Board Assembly	
P700-CAPACITORS							
C701	1	1	1	1	1	EA10602530	Elect 10μF 25V
C702	1	1	1	1	1	EA10602530	Elect 10μF 25V
C703	1	1	1	1	1	DD15220300	Ceramic 22pF ±5%
C704	1	1	1	1	1	DD15220300	Ceramic 22pF ±5%
C705	1	1	1	1	1	DD15470300	Ceramic 47pF ±5%
C706	1	1	1	1	1	DD15470300	Ceramic 47pF ±5%
C711	1	1	1	1	1	DK16331300	Ceramic 330pF ±10%
C712	1	1	1	1	1	DK16331300	Ceramic 330pF ±10%
C713	1	1	1	1	1	EA10701030	Elect 100μF 10V
C714	1	1	1	1	1	EA10701030	Elect 100μF 10V
C717	1	1	1	1	1	DF17473520	Film 0.047μF ±20%
C718	1	1	1	1	1	DF17473520	Film 0.047μF ±20%
C719	1	1	1	1	1	DF16152300	Film 1500pF ±10%
C720	1	1	1	1	1	DF16152300	Film 1500pF ±10%
C721	1	1	1	1	1	DF16152300	Film 1500pF ±10%
C722	1	1	1	1	1	DF16152300	Film 1500pF ±10%
C723	1	1	1	1	1	DK16471300	Ceramic 470pF ±10%
C724	1	1	1	1	1	DK16471300	Ceramic 470pF ±10%
C725	1	1	1	1	1	EA22601030	Elect 22μF 10V
C726	1	1	1	1	1	EA22601030	Elect 22μF 10V
C727	1	1	1	1	1	EA22601030	Elect 22μF 10V
C728	1	1	1	1	1	EA22601030	Elect 22μF 10V
C729	1	1	1	1	1	EQ10505030	Elect 1μF 50V
C730	1	1	1	1	1	EQ10505030	Elect 1μF 50V
C731	1	1	1	1	1	DK18223320	Ceramic 0.022μF
C732	1	1	1	1	1	DK18223320	Ceramic 0.022μF
C733	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
C734	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
C735	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
C736	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
C737	1	1	1	1	1	DK18473320	Ceramic 0.047μF
C738	1	1	1	1	1	DK18473320	Ceramic 0.047μF
C739	1	1	1	1	1	DD15390300	Ceramic 39pF ±5%
C740	1	1	1	1	1	DD15390300	Ceramic 39pF ±5%

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
△ C801	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
△ C802	1	1	1	1	1	EA47705030	Elect 470μF 50V
△ C803	1	1	1	1	1	EA47705030	Elect 470μF 50V
△ C804	1	1	1	1	1	EA10703530	Elect 100μF 35V
△ C805	1	1	1	1	1	EA10703530	Elect 100μF 35V
△ C806	1	1	1	1	1	EA10702530	Elect 100μF 25V
△ C807	1	1	1	1	1	EA10702530	Elect 100μF 25V
C808	1	1	1	1	1	EA10701630	Elect 100μF 16V
C809	1	1	1	1	1	EA10701630	Elect 100μF 16V
△ C810	1	1	1	1	1	EA47601630	Elect 47μF 16V
△ C811	1	1	1	1	1	EA47601630	Elect 47μF 16V
△ C812	1	1	1	1	1	DK18103560	Ceramic 0.01μF
△ C813	1	1	1	1	1	DK18103560	Ceramic 0.01μF
△ C814	1	1	1	1	1	DK18103560	Ceramic 0.01μF
C815	1	1	1	1	1	EA47601030	Elect 47μF 10V
△ C816	1	1	1	1	1	EB68805520	Elect 6800μF 55V
△ C817	1	1	1	1	1	EB68805520	Elect 6800μF 55V
C818	1	1	1	1	1	DF17103300	Film 0.01μF ±20%
C819	1	1	1	1	1	DF17103300	Film 0.01μF ±20%
CE01	1	1	1	1	1	EA10505030	Elect 1μF 50V
CE02	1	1	1	1	1	EA10505030	Elect 1μF 50V
CE03	1	1	1	1	1	DK16181300	Ceramic 180pF ±10%
CE04	1	1	1	1	1	DK16181300	Ceramic 180pF ±10%
CE05	1	1	1	1	1	EA10602530	Elect 10μF 25V
CE06	1	1	1	1	1	EA10602530	Elect 10μF 25V
CE07	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
CE08	1	1	1	1	1	EA47505030	Elect 4.7μF 50V
CE09	1	1	1	1	1	EA10701030	Elect 100μF 10V
CE10	1	1	1	1	1	EA10701030	Elect 100μF 10V
CE11	1	1	1	1	1	EA10701030	Elect 100μF 10V
CE12	1	1	1	1	1	EA10701030	Elect 100μF 10V
CE63	1	1	1	1	1	EA10701630	Elect 100μF 16V
CE64	1	1	1	1	1	EA10701630	Elect 100μF 16V
CN01	1	1	1	1	1	EA47601030	Elect 47μF 10V
CN02	1	1	1	1	1	EA33701630	Elect 330μF 16V
CT01	1	1	1	1	1	DK16221300	Ceramic 220pF ±10%
CT02	1	1	1	1	1	DK16221300	Ceramic 220pF ±10%
CT03	1	1	1	1	1	DF16683300	Film 0.068μF ±10%
CT04	1	1	1	1	1	DF16683300	Film 0.068μF ±10%
CT05	1	1	1	1	1	DF15822300	Film 8200pF ±5%
CT06	1	1	1	1	1	DF15822300	Film 8200pF ±5%
CT07	1	1	1	1	1	EA10505030	Elect 1μF 50V
CT08	1	1	1	1	1	EA10505030	Elect 1μF 50V
P700-RESISTORS (All Resistors are ±5% & ¼W)							
R701	1	1	1	1	1	GD05471140	470Ω
R702	1	1	1	1	1	GD05471140	470Ω
R703	1	1	1	1	1	GD05822140	8.2KΩ
R704	1	1	1	1	1	GD05822140	8.2KΩ
R705	1	1	1	1	1	GG05391140	390Ω
R706	1	1	1	1	1	GG05391140	390Ω
R707	1	1	1	1	1	GG05331140	330Ω
R708	1	1	1	1	1	GG05331140	330Ω
R709	1	1	1	1	1	GD05821140	820Ω
R710	1	1	1	1	1	GD05821140	820Ω

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
R711	1	1	1	1	1	GD05272140	2.7KΩ
R712	1	1	1	1	1	GD05272140	2.7KΩ
R713	1	1	1	1	1	GD05271140	270Ω
R714	1	1	1	1	1	GD05271140	270Ω
R715	1	1	1	1	1	GD05123140	12KΩ
R716	1	1	1	1	1	GD05123140	12KΩ
R717	1	1	1	1	1	GG05682140	6.8KΩ
R718	1	1	1	1	1	GG05682140	6.8KΩ
R719	1	1	1	1	1	GG05331140	330Ω
R720	1	1	1	1	1	GG05331140	330Ω
R723	1	1	1	1	1	GD05473140	47KΩ
R724	1	1	1	1	1	GD05473140	47KΩ
R725	1	1	1	1	1	GG05100140	10Ω
R726	1	1	1	1	1	GG05100140	10Ω
R727	1	1	1	1	1	GD05333140	33KΩ
R728	1	1	1	1	1	GD05333140	33KΩ
R729	1	1	1	1	1	GD05122140	1.2KΩ
R730	1	1	1	1	1	GD05122140	1.2KΩ
R731	1	1	1	1	1	GG05333140	330Ω
R732	1	1	1	1	1	GG05333140	330Ω
R733	1	1	1	1	1	GD05102140	1KΩ
△ R734	1	1	1	1	1	GD05102140	1KΩ
R735	1	1	1	1	1	GD05471140	470Ω
R736	1	1	1	1	1	GD05471140	470Ω
R737	1	1	1	1	1	RA01020110	1KΩ, Trimming
R738	1	1	1	1	1	RA01020110	1KΩ, Trimming
△ R739	1	1	1	1	1	RF05121140	120Ω, Fusible
△ R740	1	1	1	1	1	RF05121140	120Ω, Fusible
△ R741	1	1	1	1	1	RF05121140	120Ω, Fusible
△ R742	1	1	1	1	1	RF05121140	120Ω, Fusible
△ R743	1	1	1	1	1	RF05100120	10Ω, ¼W Fusible
△ R744	1	1	1	1	1	RF05100120	10Ω, ¼W Fusible
△ R745	1	1	1	1	1	RF05100120	10Ω, ¼W Fusible
△ R746	1	1	1	1	1	RF05100120	10Ω, ¼W Fusible
R747	1	1	1	1	1	GG05271120	270Ω, ¼W
R748	1	1	1	1	1	GG05271120	270Ω, ¼W
△ R749	1	1	1	1	1	BW10000010	0.33Ω, 3W x 2 Compo.
△ R750	1	1	1	1	1	BW10000010	0.33Ω, 3W x 2 Compo.
R753	1	1	1	1	1	GD05151140	150Ω
R754	1	1	1	1	1	GD05151140	150Ω
R755	1	1	1	1	1	GD05151140	150Ω
R756	1	1	1	1	1	GD05151140	150Ω
R757	1	1	1	1	1	GD05472140	4.7KΩ
R758	1	1	1	1	1	GD05472140	4.7KΩ
R759	1	1	1	1	1	GD05472140	4.7KΩ
R760	1	1	1	1	1	GD05472140	4.7KΩ
R761	1	1	1	1	1	GD05153140	15KΩ
R762	1	1	1	1	1	GD05153140	15KΩ
R763	1	1	1	1	1	RC10022120	2.2Ω ±10% ¼W
R764	1	1	1	1	1	RC10022120	2.2Ω ±10% ¼W
R765	1	1	1	1	1	GA05100020	10Ω 2W
R766	1	1	1	1	1	GA05100020	10Ω 2W
R767	1	1	1	1	1	GD05101140	100Ω
R768	1	1	1	1	1	GD05101140	100Ω
R769	1	1	1	1	1	GD05101140	100Ω
R770	1	1	1	1	1	GD05101140	100Ω
R771	1	1	1	1	1	GG05101140	100Ω
R772	1	1	1	1	1	GG05101140	100Ω
R773	1	1	1	1	1	GG05101140	100Ω
R774	1	1	1	1	1	GG05101140	100Ω

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
R775	1	1	1	1	1	GD05224140	220KΩ
R776	1	1	1	1	1	GD05224140	220KΩ
R777	1	1	1	1	1	GD05224140	220KΩ
R778	1	1	1	1	1	GD05224140	220KΩ
R779	1	1	1	1	1	GD05683140	68KΩ
R780	1	1	1	1	1	GD05683140	68KΩ
R781	1	1	1	1	1	GD05563140	56KΩ
R782	1	1	1	1	1	GD05563140	56KΩ
R789	1	1	1	1	1	GD05103140	10KΩ
R790	1	1	1	1	1	GD05103140	10KΩ
R791	1	1	1	1	1	GD05681140	680Ω
R792	1	1	1	1	1	GD05681140	680Ω
R801	1	1	1	1	1	GD05123140	12KΩ
R802	1	1	1	1	1	GD05123140	12KΩ
R803	1	1	1	1	1	GD05472140	4.7KΩ
R804	1	1	1	1	1	GD05472140	4.7KΩ
R805	1	1	1	1	1	GA05750010	75Ω 1W
R806	1	1	1	1	1	GA05101010	100Ω 1W
R807	1	1	1	1	1	GD05562140	5.6KΩ
R808	1	1	1	1	1	GG05102140	1KΩ
R809	1	1	1	1	1	GD05223140	22KΩ
R810	1	1	1	1	1	GD05332140	3.3KΩ
R811	1	1	1	1	1	GD05682140	6.8KΩ
R812	1	1	1	1	1	GD05182140	1.8KΩ
R813	1	1	1	1	1	GD05183140	18KΩ
R814	1	1	1	1	1	GD05472140	4.7KΩ
Δ R815	1	1	1	1	1	GD05102140	1KΩ
Δ R816	1	1	1	1	1	GG05183120	18KΩ %W
Δ R817	1	1	1	1	1	GG05183120	18KΩ %W
Δ R818	1	1	1	1	1	RF05120120	12Ω %W Fusible
Δ R819	1	1	1	1	1	RF05120120	12Ω %W Fusible
RE01	1	1	1	1	1	GD05221140	220Ω
RE02	1	1	1	1	1	GD05221140	220Ω
RE03	1	1	1	1	1	GD05823140	82KΩ
RE04	1	1	1	1	1	GD05823140	82KΩ
RE05	1	1	1	1	1	GD05102140	1KΩ
RE06	1	1	1	1	1	GD05102140	1KΩ
RE07	1	1	1	1	1	GD05392140	3.9KΩ
RE08	1	1	1	1	1	GD05392140	3.9KΩ
RE09	1	1	1	1	1	GD05104140	100KΩ
RE10	1	1	1	1	1	GD05104140	100KΩ
RE11	1	1	1	1	1	GD05391140	390Ω
RE12	1	1	1	1	1	GD05391140	390Ω
RE13	1	1	1	1	1	GD05223140	22KΩ
RE14	1	1	1	1	1	GD05223140	22KΩ
RE15	1	1	1	1	1	GD05221140	220Ω
RE16	1	1	1	1	1	GD05221140	220Ω
RE17	1	1	1	1	1	GD05392140	3.9KΩ
RE18	1	1	1	1	1	GD05392140	3.9KΩ
RE19	1	1	1	1	1	GD05392140	3.9KΩ
RE20	1	1	1	1	1	GD05392140	3.9KΩ
RN01	1	1	1	1	1	GG05562120	5.6KΩ %W
RN02	1	1	1	1	1	GG05562120	5.6KΩ %W
RN03	1	1	1	1	1	GD05223140	22KΩ
RN04	1	1	1	1	1	GD05153140	15KΩ
RN05	1	1	1	1	1	GD05562140	5.6KΩ
RN06	1	1	1	1	1	GD05154140	150KΩ
RN07	1	1	1	1	1	GD05393140	39KΩ
RN08	1	1	1	1	1	GG05100140	10Ω
RN09	1	1	1	1	1	GD05333140	33KΩ
RS01	1	1	1	1	1	GA05331010	330Ω 1W
RS02	1	1	1	1	1	GA05331010	330Ω 1W

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
RT01	1	1	1	1	1	GD05272140	2.7KΩ
RT02	1	1	1	1	1	GD05272140	2.7KΩ
RT03	1	1	1	1	1	GD05273140	27KΩ
RT04	1	1	1	1	1	GD05273140	27KΩ
RT05	1	1	1	1	1	GD05822140	8.2KΩ
RT06	1	1	1	1	1	GD05822140	8.2KΩ
RT07	1	1	1	1	1	GD05182140	1.8KΩ
RT08	1	1	1	1	1	GD05182140	1.8KΩ
RT09	1	1	1	1	1	GD05224140	220KΩ
RT10	1	1	1	1	1	GD05224140	220KΩ
RT11	1	1	1	1	1	GD05274140	270KΩ
RT12	1	1	1	1	1	GD05274140	270KΩ
P700 SEMICONDUCTORS							
Q701	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q702	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q703	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q704	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q705	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q706	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q707	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q708	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q709	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q710	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q711	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q712	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q713	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q714	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q715	1	1	1	1	1	HT322292A0	Transistor 2SC2229(O or Y)
Q716	1	1	1	1	1	HT322292A0	Transistor 2SC2229(O or Y)
Q717	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q718	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Δ Q719	1	1	1	1	1	HT328242A0	Transistor 2SC2824(O or Y)
Δ Q720	1	1	1	1	1	HT328242A0	Transistor 2SC2824(O or Y)
Δ Q721	1	1	1	1	1	HT111842A0	Transistor 2SA1184(O or Y)
Q722	1	1	1	1	1	HT111842A0	Transistor 2SA1184(O or Y)
Δ Q723	1	1	1	1	1	HT326812A0	Transistor 2SC2681(O or R)
Δ Q724	1	1	1	1	1	HT326812A0	Transistor 2SC2681(O or R)
Δ Q725	1	1	1	1	1	HT111412A0	Transistor 2SA1141(O or R)
Q726	1	1	1	1	1	HT111412A0	Transistor 2SA1141(O or R)
Q727	1	1	1	1	1	HT309451P0	Transistor 2SC945(P)
Q728	1	1	1	1	1	HT309451P0	Transistor 2SC945(P)
Q729	1	1	1	1	1	HT107331P0	Transistor 2SA733(P)
Q730	1	1	1	1	1	HT107331P0	Transistor 2SA733(P)
Q731	1	1	1	1	1	HD20001210	Diode 1S2473C
Q732	1	1	1	1	1	HD20001210	Diode 1S2473C
Q733	1	1	1	1	1	HD20008210	Diode 1S2471F
Q734	1	1	1	1	1	HD20008210	Diode 1S2471F
Q735	1	1	1	1	1	HD20008210	Diode 1S2471F
Q736	1	1	1	1	1	HD20008210	Diode 1S2471F
Q737	1	1	1	1	1	HD20002210	Diode 1S2472
Q738	1	1	1	1	1	HD20002210	Diode 1S2472
Q739	1	1	1	1	1	HD20002210	Diode 1S2472
Q740	1	1	1	1	1	HD20002210	Diode 1S2472
Q741	1	1	1	1	1	HD20005010	Diode W06B
Q742	1	1	1	1	1	HD20005010	Diode W06B
Q743	1	1	1	1	1	HD20005010	Diode W06B
Q744	1	1	1	1	1	HD20005010	Diode W06B
Q745	1	1	1	1	1	HD20008210	Diode 1S2471
Q746	1	1	1	1	1	HD20008210	Diode 1S2471
Q747	1	1	1	1	1	HC10003090	IC 4558D
Q752	1	1	1	1	1	HV00010120	Varistor MV-11Y
Q753	1	1	1	1	1	HV00010120	Varistor MV-11Y

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
△Q801	1	1	1	1	1	HD20011290	Diode S3V-20
△Q802	1	1	1	1	1	HD20011290	Diode S3V-20
△Q803	1	1	1	1	1	HD20011290	Diode S3V-20
△Q804	1	1	1	1	1	HD20011290	Diode S3V-20
△Q805	1	1	1	1	1	HD20015030	Diode DS-135
△Q806	1	1	1	1	1	HD20015030	Diode DS-135
△Q807	1	1	1	1	1	HD20015030	Diode DS-135
△Q808	1	1	1	1	1	HD20015030	Diode DS-135
△Q809	1	1	1	1	1	HD20015030	Diode DS-135
△Q810	1	1	1	1	1	HD20015030	Diode DS-135
△Q811	1	1	1	1	1	HT405712B0	Transistor 2SD571(L or K)
△Q812	1	1	1	1	1	HT206052B0	Transistor 2SB605(L or K)
Q813	1	1	1	1	1	HT309451P0	Transistor 2SC945(P)
Q814	1	1	1	1	1	HT107331P0	Transistor 2SA733(P)
Q815	1	1	1	1	1	HT403132A0	Transistor 2SB313(E or D)
Q816	1	1	1	1	1	HT205072A0	Transistor 2SB507(E or D)
Q817	1	1	1	1	1	HD20008210	Diode 1S2471
Q818	1	1	1	1	1	HD30014010	Diode HZ16-A2L
QE01	1	1	1	1	1	HC10003090	IC 4558D
QE02	1	1	1	1	1	HC10003090	IC 4558D
QN01	1	1	1	1	1	HT309451P0	Transistor 2SC945(P)
QN02	1	1	1	1	1	HT411111A0	Transistor 2SD1111
QN03	1	1	1	1	1	HD20002210	Diode 1S2472
QN04	1	1	1	1	1	HD20002210	Diode 1S2472
P700-MISCELLANEOUS							
L701	1	1	1	1	1	LL23905120	Choke Coil
L702	1	1	1	1	1	LL23905120	Choke Coil
△L801	1	1	1	1	1	LY20240190	Relay, DC24V
SS01	1	1	1	1	1	SP02020520	Push Switch, Speaker
ST01	1	1	1	1	1	SP02070010	Push Switch, Speaker
△F801	1					FS10100500	Fuse 1A 250V
△F801	1	1				FS10063800	Fuse 0.68A 250V
△F801	1	1				FS10100900	Fuse 1A 250V
△F801	1	1				FS10100600	Fuse 1A 250V
△F802	1	1				FS10100500	Fuse 1A 250V
△F802	1	1				FS10063800	Fuse 0.68A 250V
△F802	1	1				FS10100900	Fuse 1A 250V
△F802	1	1				FS10100600	Fuse 1A 250V
△F803	1	1				FS10050500	Fuse 0.5A 250V
△F803	1	1				FS10050800	Fuse 0.5A 250V
△F803	1	1				FS10050900	Fuse 0.5A 250V
J801							
J806							
J801							
J806							
WF01	1	1	1	1	1	YU07080260	Jumper Lead
PE00-GRAPHIC VOLUME CIRCUIT BOARD							
PE00	1	1	1	1	1	YK211H2310	P.W. Board, Graphic Volume
	1	1	1	1	1	ZZ211H2310	P.W. Board Assembly
PE00-RESISTORS							
RF01	1	1	1	1	1	RS05030360	50KΩ (W) x 2 Variable
RF02	1	1	1	1	1	RS05030360	50KΩ (W) x 2 Variable
RF03	1	1	1	1	1	RS05030360	50KΩ (W) x 2 Variable
RF04	1	1	1	1	1	RS05030360	50KΩ (W) x 2 Variable
RF05	1	1	1	1	1	RS05030360	50KΩ (W) x 2 Variable

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
PE01	1	1	1	1	1	YK211H2320	PE01-GRAPHIC CONNECTION CIRCUIT BOARD P.W. Board, Graphic Connection
PE02	1	1	1	1	1	YK211H2330	PE02-GRAPHIC TRANSISTOR CIRCUIT BOARD P.W. Board, Graphic Transistor
	1	1	1	1	1	ZZ211H2330	P.W. Board Assembly
PE02-CAPACITORS							
CE31	1	1	1	1	1	EA22505030	Elect 2.2μF 50V
CE32	1	1	1	1	1	EA22505030	Elect 2.2μF 50V
CE33	1	1	1	1	1	EA47405030	Elect 0.47μF 50V
CE34	1	1	1	1	1	EA47405030	Elect 0.47μF 50V
CE35	1	1	1	1	1	DF17154300	Film 0.15μF ±20%
CE36	1	1	1	1	1	DF17154300	Film 0.15μF ±20%
CE37	1	1	1	1	1	DF17333300	Film 0.033μF ±20%
CE38	1	1	1	1	1	DF17333300	Film 0.033μF ±20%
CE39	1	1	1	1	1	DF17822300	Film 8200pF ±20%
CE40	1	1	1	1	1	DF17822300	Film 8200pF ±20%
CE41	1	1	1	1	1	EA10405030	Elect 0.1μF 50V
CE42	1	1	1	1	1	EA10405030	Elect 0.1μF 50V
CE43	1	1	1	1	1	DF17223300	Film 0.022μF ±20%
CE44	1	1	1	1	1	DF17223300	Film 0.022μF ±20%
CE45	1	1	1	1	1	DF17562300	Film 5600pF ±20%
CE46	1	1	1	1	1	DF17562300	Film 5600pF ±20%
CE47	1	1	1	1	1	DF17152300	Film 1500pF ±20%
CE48	1	1	1	1	1	DF17152300	Film 1500pF ±20%
CE49	1	1	1	1	1	DK16391300	Ceramic 390pF ±10%
CE50	1	1	1	1	1	DK16391300	Ceramic 390pF ±10%
PE02-RESISTORS							
(All Resistors are ±5% & ¼W)							
RE31	1	1	1	1	1	GD05101140	100Ω
RE32	1	1	1	1	1	GD05101140	100Ω
RE33	1	1	1	1	1	GD05101140	100Ω
RE34	1	1	1	1	1	GD05101140	100Ω
RE35	1	1	1	1	1	GD05101140	100Ω
RE36	1	1	1	1	1	GD05101140	100Ω
RE37	1	1	1	1	1	GD05101140	100Ω
RE38	1	1	1	1	1	GD05101140	100Ω
RE39	1	1	1	1	1	GD05101140	100Ω
RE40	1	1	1	1	1	GD05101140	100Ω
RE41	1	1	1	1	1	GD05473140	47KΩ
RE42	1	1	1	1	1	GD05473140	47KΩ
RE43	1	1	1	1	1	GD05473140	47KΩ
RE44	1	1	1	1	1	GD05473140	47KΩ
RE45	1	1	1	1	1	GD05473140	47KΩ
RE46	1	1	1	1	1	GD05473140	47KΩ
RE47	1	1	1	1	1	GD05473140	47KΩ
RE48	1	1	1	1	1	GD05473140	47KΩ
RE49	1	1	1	1	1	GD05473140	47KΩ
RE50	1	1	1	1	1	GD05473140	47KΩ
RE51	1	1	1	1	1	GD05472140	4.7KΩ
RE52	1	1	1	1	1	GD05472140	4.7KΩ
RE53	1	1	1	1	1	GD05472140	4.7KΩ
RE54	1	1	1	1	1	GD05472140	4.7KΩ
RE55	1	1	1	1	1	GD05472140	4.7KΩ
RE56	1	1	1	1	1	GD05472140	4.7KΩ
RE57	1	1	1	1	1	GD05472140	4.7KΩ
RE58	1	1	1	1	1	GD05472140	4.7KΩ
RE59	1	1	1	1	1	GD05472140	4.7KΩ
RE60	1	1	1	1	1	GD05472140	4.7KΩ

REF. DESIG.	QTY					PART NO.	DESCRIPTION
	U	C	N	A	P		
RE61	1	1	1	1	1	GD05102140	1K Ω
RE62	1	1	1	1	1	GD05102140	1K Ω
RE63	1	1	1	1	1	GD05102140	1K Ω
RE64	1	1	1	1	1	GD05102140	1K Ω
RE65	1	1	1	1	1	GD05102140	1K Ω
RE66	1	1	1	1	1	GD05102140	1K Ω
RE67	1	1	1	1	1	GD05102140	1K Ω
RE68	1	1	1	1	1	GD05102140	1K Ω
RE69	1	1	1	1	1	GD05102140	1K Ω
RE70	1	1	1	1	1	GD05102140	1K Ω
PE02-SEMICONDUCTORS							
QE03	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE04	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE05	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE06	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE07	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE08	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE09	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE10	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE11	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE12	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
PG00-VOLUME CIRCUIT BOARD							
PG00	1	1	1	1	1	YK211H3640	P.W. Board, Volume
	1	1	1	1	1	Z2211H3640	P.W. Board Assembly
PG00-RESISTORS							
RG01	1	1	1	1	1	RM01040270	Variable, Volume
RG02	1	1	1	1	1	RK02040080	Variable, Balance
WG01	1	1	1	1	1	YU05260260	Jumper Lead
PO00-POWER SWITCH CIRCUIT BOARD							
PO00	1	1	1	1	1	YK211H3630	P.W. Board, Power Switch
	1	1				Z2211H3630	P.W. Board Assembly
			1			Z2211H8630	P.W. Board Assembly
				1		Z2211H7630	P.W. Board Assembly
G001	1	1				DK18103530	Ceramic Cap. 0.1 μ F 125V
G001			1			DK18103840	Ceramic Cap. 0.1 μ F 400V
G001				1		DK18103850	Ceramic Cap. 0.1 μ F 250V
S001	1					SP01010420	Push Switch, Power
S001		1				SP01010240	Push Switch, Power
S001			1			SP01010390	Push Switch, Power
S001				1		SP01010430	Push Switch, Power
PV01-TAPE IN/OUT CIRCUIT BOARD							
PV01	1	1	1	1	1	YK211H1220	P.W. Board, Tape In/Out
	1	1	1	1	1	Z2211H1220	P.W. Board Assembly
JV01	1	1	1	1	1	YT02040260	Terminal, Tape 1
JV02	1	1	1	1	1	YT02040260	Terminal, Tape 2

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
PW01-HEAD PHONE CIRCUIT BOARD							
PW01	1	1	1	1	1	YK211H3620	P.W. Board, Head Phone
	1	1	1	1	1	Z2211H3620	P.W. Board Assembly
JW01	1	1	1	1	1	YJ01001400	Jack, Head Phone
WW01	1	1	1	1	1	YU03240260	Jumper Lead
PW02-EQ OUT CIRCUIT BOARD							
PW02	1	1	1	1	1	YK211H3660	P.W. Board, EQ Out
	1	1	1	1	1	Z2211H3660	P.W. Board Assembly
JW02	1	1	1	1	1	YJ01001400	Jack, EQ Out
PX01-LED LEVEL METER DRIVE CIRCUIT BOARD							
PX01	1	1	1	1	1	WN207H3210	P.W. Board, LED Level Meter Drive
	1	1	1	1	1	Z2207H3210	P.W. Board Assembly
PX01-CAPACITORS							
CX01	1	1	1	1	1	EA33505030	Elect 3.3 μ F 50V
CX02	1	1	1	1	1	EA33505030	Elect 3.3 μ F 50V
CX03	1	1	1	1	1	EA10505030	Elect 1 μ F 50V
CX04	1	1	1	1	1	EA10505030	Elect 1 μ F 50V
CX05	1	1	1	1	1	DK18103320	Ceramic 0.01 μ F
CX06	1	1	1	1	1	DK18103320	Ceramic 0.01 μ F
PX01-RESISTORS (All Resistors are $\pm 5\%$ & $\frac{1}{4}W$)							
RX01	1	1	1	1	1	GD05103140	10K Ω
RX02	1	1	1	1	1	GD05103140	10K Ω
RX03	1	1	1	1	1	GD05104140	100K Ω
RX04	1	1	1	1	1	GD05104140	100K Ω
RX07	1	1	1	1	1	RA02030060	20K Ω , Trimming
RX08	1	1	1	1	1	RA02030060	20K Ω , Trimming
RX25	1	1	1	1	1	GD05563140	56K Ω
RX26	1	1	1	1	1	GD05563140	56K Ω
RX27	1	1	1	1	1	GD05333140	33K Ω
RX28	1	1	1	1	1	GD05333140	33K Ω
PX01-SEMICONDUCTORS							
QX01	1	1	1	1	1	HD30076090	Zener WZ038
QX02	1	1	1	1	1	HD30076090	Zener WZ038
QX03	1	1	1	1	1	HD20001210	Diode 1S2473
QX04	1	1	1	1	1	HD20001210	Diode 1S2473
QX05	1	1	1	1	1	HC10008370	IC TL489C
QX06	1	1	1	1	1	HC10008370	IC TL489C
QX07	1	1	1	1	1	HC10019020	IC AN6552
QX21	1	1	1	1	1	HD20001210	Diode 1S2473
QX22	1	1	1	1	1	HD20001210	Diode 1S2473
PX01-MISCELLANEOUS							
JX01	1	1	1	1	1	YJ07000750	Jack (4P)
JX02	1	1	1	1	1	YJ07000760	Jack (2P)
WX01	1	1	1	1	1	YU04140260	Jumper Lead
WX02	1	1	1	1	1	YU02180260	Jumper Lead

7. TECHNICAL SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT, DIN, 4 OHM, PER CHANNEL	91W
POWER OUTPUT, RMS 1 kHz, 4 OHM, PER CHANNEL	90W
POWER OUTPUT, DIN, 8 OHM, PER CHANNEL	70W
POWER OUTPUT, RMS 1 kHz, 8 OHM, PER CHANNEL	65W
TOTAL HARMONIC DISTORTION AT RATED POWER OUTPUT	0.03%
I.M. DISTORTION AT RATED POWER OUTPUT (250 Hz AND 8 kHz MIXED, AMPLITUDE RATIO 4:1)	0.03%
DAMPING FACTOR 8 OHM	80

Frequency Response

Phono (RIAA)	±0.3 dB
Aux (±1 dB)	10 Hz ~ 50 kHz

Signal-to-Noise Ratio (IHF-A Network)

Phono (MM)	82 dB
Aux	95 dB

Input Terminals

Phono (MM): Input Impedance	47 kohms
Input Capacitance	220 pF
Input Sensitivity	2.8 dB
(MC): Input Sensitivity	280 µV
Input Impedance	100 ohms
Aux: Input Impedance	28 kohms
Input Sensitivity	150 mV

Phono Equivalent Input Noise

Phono Dynamic Range (Ratio of input overload to equivalent input noise)	0.58 µV
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Output Voltage, 1 kHz

Tape Out	410 mV
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Output Impedance, 1 kHz

Tape Out	470 ohms
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GENERAL

Power Requirements	220V AC, 50 Hz
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(E and N versions are featuring external voltage selector.)

Other versions can be converted by a qualified technician to operate on 240V.)

Power Consumption at Rated Output, both Channels Driven	230W ± 20W
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Idling Power	20W ± 5W
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Semiconductor Complement

Transistors	47
Diodes	45
Integrated Circuits	8

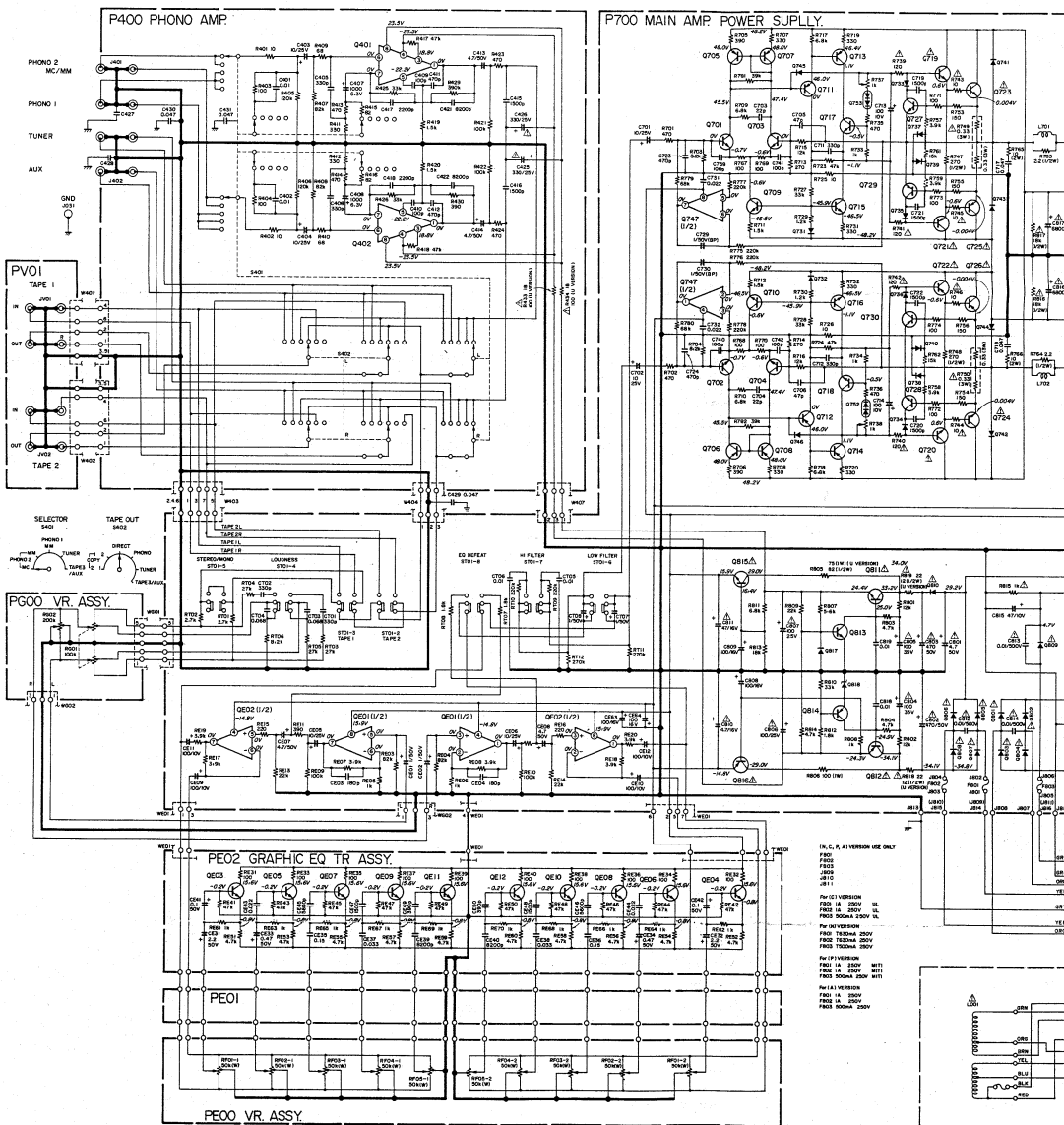
Dimensions

Panel Width	416 mm (16-3/8 inches)
Panel Height	117.5 mm (4-5/8 inches)
Depth	329 mm (12-15/16 inches)

Weight Unit Alone	8 kg
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MEMORANDUM

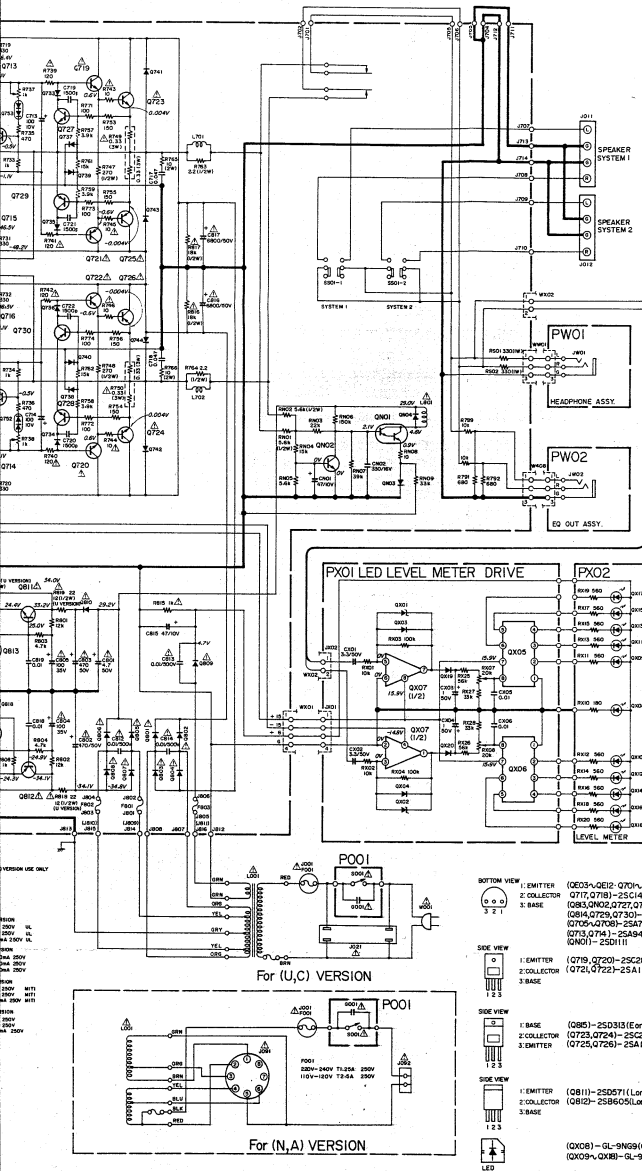
8. SCHEMATIC DIAGRAM



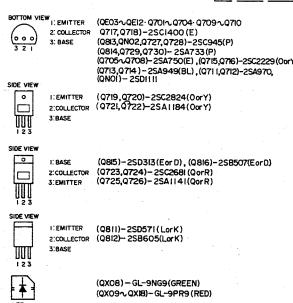
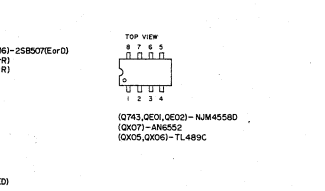
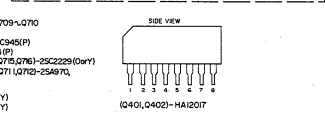
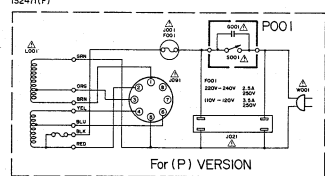
Note on safety: The parts marked with  are important parts on the safety. Please use the parts having the designated parts number without fail.

Components and wiring are subject to change for modification with

Model PM550DC



0401, 0402 HD2001290 HA2007	0801~0804 HT41111(AO) 250111	0N01
0709~0704 HT34000(E) 25C4001(E)	0805~0810 HD20015030 05~135	0N02 HT30945(P) 25~945(P)
0705~0708 HT75080 25A7501(E)	0811 HT4057280 25D571(LorK)	0N03, 0N04 HD20032210 152472
0709, 0710 HT34000(E) 25C4001(E)	0812 HT20605280 25B605(LorK)	0X01, 0X02 HD30076090 WZ-038
0711, 0712 HT1097080 25A570(BL)	0813 HT30945(P) 25C945(P)	0X03, 0X04 HD20002020 152473
0713, 0714 HT1094980 25A949(BL)	0814 HT07733(P) 25A733(P)	0X05, 0X06 HC0006370 TL489-C
0715, 0716 HT32229240 25C2229 (OrY)	0815 HT4033240 25D333 (EorD)	0X07 HC0009020 A6558
0717, 0718 HT34000(E) 25C4001(E)	0816 HT20507240 25A5071(EorD)	0X08 HI0006320 GL-9N99(GREEN)
0719, 0720 HT32824240 25C2824 (OrY)	0817 HT32824240 25C2824 (OrY)	0X09~0X18 HI0007320 GL-9PR9 (RED)
0721, 0722 HT1184240 25A1184 (OrY)	0818 HT32824240 25C2824 (OrY)	0E01, 0E02 HD0008370 TL489-C
0723, 0724 HT32824240 25C2824 (OrY)	0819 HT32824240 25C2824 (OrY)	0E03~0E12 HT34002240 25C4001(E)
0725, 0726 HT1114240 25A1114 (OrY)	0820 HT32824240 25C2824 (OrY)	
0727, 0728 HT30945(P) 25C945(P)	0821 HT32824240 25C2824 (OrY)	
0729, 0730 HT10733(P) 25A733(P)	0822 HT32824240 25C2824 (OrY)	
0731~0736 HD2000210 152473 (C)	0823~0824 HD20002210 152472	
0737~0740 HD20002210 152472	0825~0826 HT40505000 W068	
0741~0744 HD20005000 W068	0827~0828 HD20008210 152471 (F)	



are subject to change for modification without notice.