

MARA-00113



SERVICE MANUAL

SYSTEM DC350/DC350L

Model PM25·ST25·SD25 / Model PM25·ST25L·SD25



marantz[®]

SYSTEM DC350/DC350L

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ 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:

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:

MARANTZ AUSTRALIA PTY., LTD.
32 Cross Street
Brookvale, N.S.W. 2100
Australia

MARANTZ GERMANY GMBH
Max-Planckstrasse 22
6072 Dreieich 1
West Germany

MARANTZ AUDIO U.K., LTD.
Unit 15/16, Saxon Way
Moor Lane, Harmondsworth
UB 7 O.L.W.
Great Britain

MARANTZ SVENSKA A.B.
Franzengatan 6
10425 Stockholm
Sweden

MARANTZ EUROPE S.A.
326 Avenue Louise Bte 32
1050 Brussels
Belgium

MARANTZ BELGIUM
45 Rue Auguste Van Zande
1080 Brussels
Belgium

MARANTZ FRANCE
4 Rue Bernard Palissy
92600 Asnieres
France

MARANTZ NORISKE 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.

marantz®

This service manual describes only the unidentical parts between the original models. For the parts which are not listed in this manual, refer to the original service manuals (refer to the table below). For ordering the service parts, refer to this service manual together with the original service manuals.

SYSTEM DC350/DC350L	Part No. of original service manual	
PM25 (STEREO CONSOLE AMPLIFIER)	PM310	P/N 207H855010
ST25 ST25L (STEREOPHONIC TUNER)	ST310 ST310L	P/N 403H855010 P/N 405H855020
SD25 (STEREO CASSETTE DECK)	SD1030	P/N 124T855010

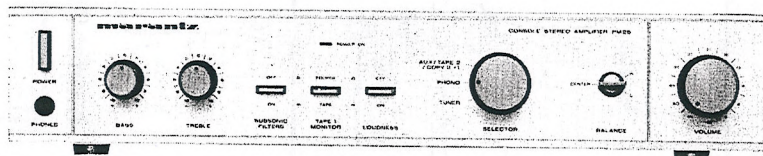
NOTE:

Following precautions should be used when putting order for service manual:

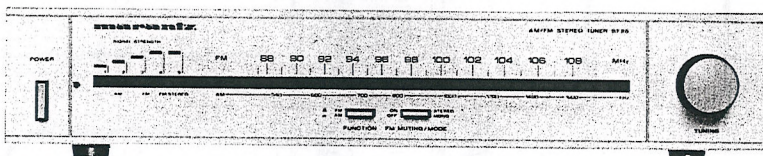
- (1) To order the original service manual, use the correct part No.
- (2) When comprehensive manual is required, use both the original service manuals and this service manual.

SYSTEM DC350/DC350L

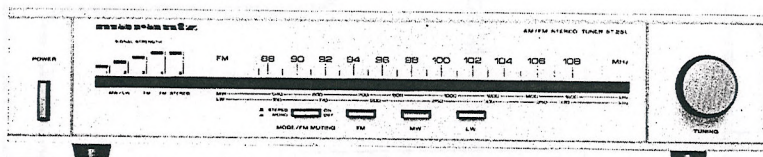
Model PM25 STEREO CONSOLE AMPLIFIER



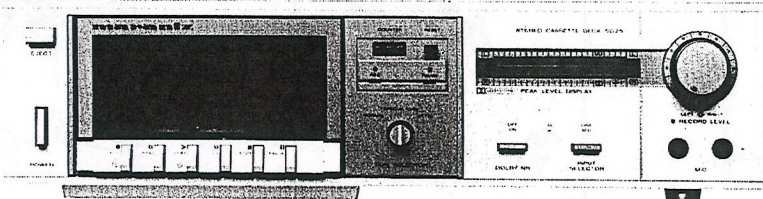
Model ST25 STEREOPHONIC TUNER



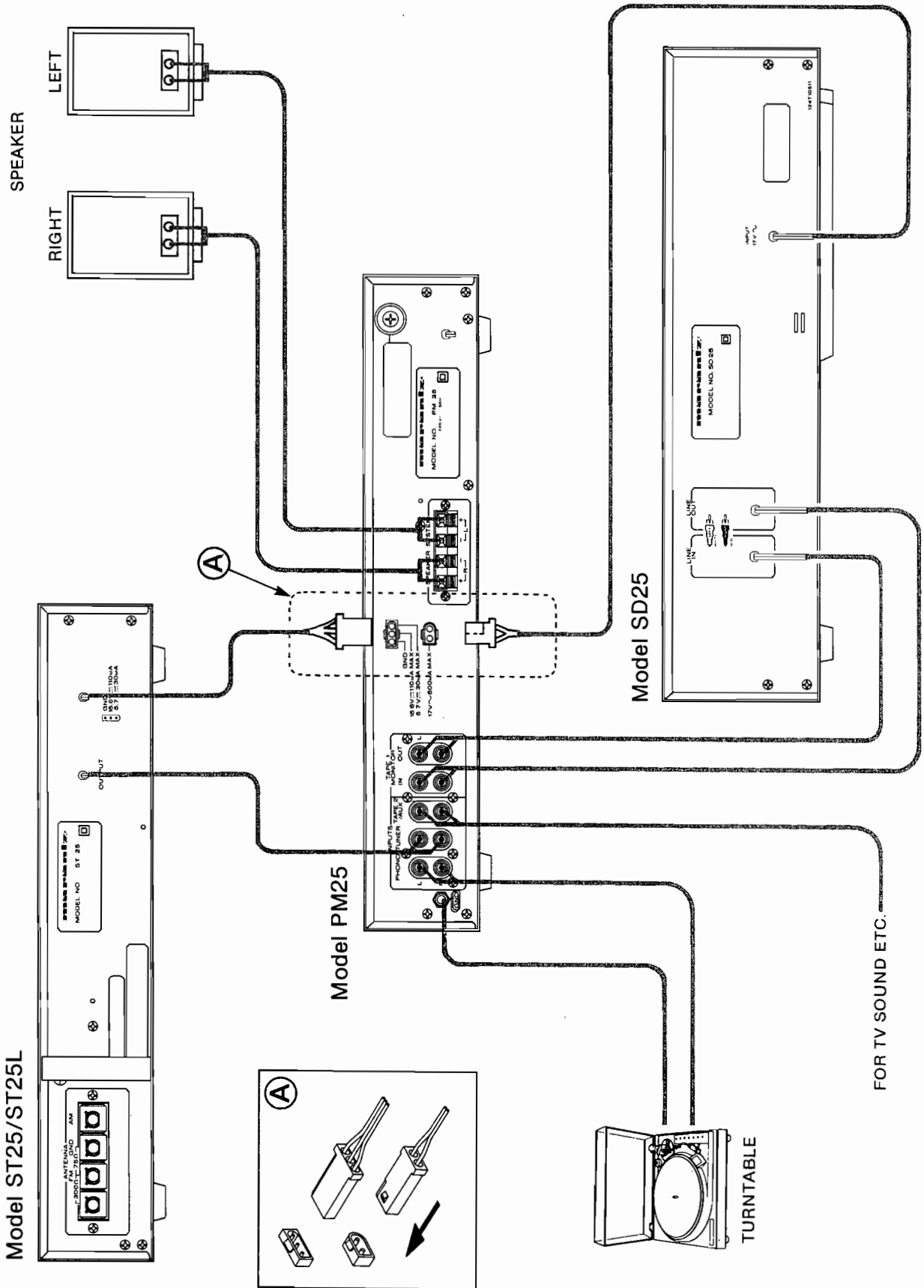
Model ST25L STEREOPHONIC TUNER



Model SD25 STEREO CASSETTE DECK



SYSTEM CONNECTION (SYSTEM DC350/DC350L)



Different Parts between MODEL PM310 (N,A) and PM25 (N,A,T)

ORIGINAL MODEL PM310 (N,A)					SHELTERED MODEL PM25 (N,A,T)			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
A	1	207H063400	Front Panel Assembly	13	A	1	226H063400	Front Panel Assembly
001B	1	207H063010	Escutcheon Front Panel	13	001B	1	226H063110	Escutcheon
002B	2	403H063020	Escutcheon					
003B	2	403H067010	Cap.	13	003B	2	226H067010	Cap.
004B	4	403H259010	Bushing	13	004B	3	208H259110	Bushing Push Switch
005B	2	001H259110	Bushing	13	005B	1	008H118010	Spacer
012B	4	403H154010	Knob	13				
013B	4	403H115010	Spring	13				
					015B	1	113T259130	Bushing Balance
011G	1	208H118010	Spacer		021B	1	114H259020	Bushing Power Switch
010B	1	208H154010	Knob Volume	13	010B	2	226H154110	Knob Volume/Selector
011B	2	208H154020	Knob	13	011B	1	113H154010	Knob Balance
					012B	3	226H154140	Knob Push Switch
014B	2	208H154050	Knob Tone	13	014B	2	226H154120	Knob Tone
					020B	1	226H154130	Knob Power Switch
001D	1	208H257010	Lid. Top Cover	14	001D	1	208H257110	Lid. Top Cover
007D	4	2965118010	Spacer	14				
001E	1	207H160230	Bracket, Rear Panel (N only)	15	001E	1	226H160220	Bracket Rear Panel (N only)
001E	1	207H160240	Bracket Rear Panel (A,T only)	15	001E	1	226H160230	Bracket Rear Panel (A,T only)
005E	2	51280308U0	B.H. Tapped Screw B3 x 8	15				
007E	2	51280308U0	B.H. Tapped Screw B3 x 8	15				
			(N only)					
008E	2	51280308U0	B.H. Tapped Screw B3 x 8	15	011E	1	404H160030	Bracket
					012E	2	51280308U0	B.H. Tapped Screw
					013E	1	1455259010	Bushing
					016E	1	4581861010	Label (A,T only)
					017E	1	51280308B0	B.H. Tapped Screw
J091	1	BY05030040	Voltage Selector (A only)	15				
J091	1	BY05060040	Voltage Selector (N only)	15				
J092	1	YB04000590	Plug Inlet	15				
W001	1	ZC02006030	A.C. Power Cord (A only)	15	W001	1	YC02000230	A.C. Power Cord (A only)
W001	1	ZC01805080	A.C. Power Cord (N only)	15	W001	1	YC02000230	A.C. Power Cord (N only)
					W001	1	YC01800250	A.C. Power Cord (T only)
004G	4	51100205A0	B.H.M. Screw B2 x 5	17				
016G	1	208H160030	Bracket L.E.D. Power	17				
017G	1	51280308B0	B.H. Tapped Screw B3 x 8	17				
018G	1	2276005050	Clamper	17				
					004L	1	53110303A9	Hexagon Nut (T only)
					008L	1	53110303A9	Hexagon Nut (A,A only)
G001	1	DK18103850	Ceramic 0.01μF (A only)	17	G001	1	DK18103840	Ceramic 0.01μF (A only)
L001	1	TS16624030	Power Transformer (A only)	17	L001	1	TS16630010	Power Transformer (A only)
L001	1	TS16624010	Power Transformer (N only)	17	L001	1	TS16630010	Power Transformer (N only)
					L001	1	TS16630010	Power Transformer (T only)
W706	1	YU04100260	Jumper Lead (4P)	17				
					JX01	1	YJ05000370	Jack
					QX08	1	H110007320	L.E.D.
001S	1	207H801020	Packing Case	18	001S	1	226H801020	Packing Case
					011S	1	2918107390	Sheet
					017S	2	226H057010	Leg.
019S	1	2731821010	Silicagel	18	018S	4	413H060010	Clinger
					019S	1	4136071010	Cleaner
					020S	1	ZA02000070	Ext. Ant.
001T	1	207H851010	Instructions (A only)	18	001T	1	226H851310	Instructions (A only)
001T	1	207H851310	Instructions (N only)	18	001T	1	226H851310	Instructions (N only)
					001T	1	226H851310	Instructions (T only)
002T	1	207H851020	Instructions (A only)	18	002T	1	226H851320	Instructions (A only)
002T	1	207H851320	Instructions (N only)	18	002T	1	226H851320	Instructions (N only)
					002T	1	226H851320	Instructions (T only)

ORIGINAL MODEL PM310 (N,A)					SHELTERED MODEL PM25 (N,A,T)			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
003T	1	207H856010	Circuit Diagram	18				
003T	1	2205851040	Instructions (A only)	18	003T	1	9631000090	Guarantee Card (A only)
					003T	1	9630000200	Guarantee Card
P700	1	YK207H1610	P.W. Board Main Amp	19	P700	1	YK207H1610	P.W. Board Main Amp
	1	ZZ207H1610	P.W. Board Assembly (A only)	19		1	ZZ226H8610	P.W. Board Assembly (N,A only)
	1	ZZ207H8610	P.W. Board Assembly (N only)	19		1	ZZ226H7610	P.W. Board Assembly (T only)
					C417	1	DK17103300	Ceramic 0.01 μ F \pm 20%
C717 ? C720	1	DF17332350	Film 3300pF \pm 20%		C418	1	DK17103300	Ceramic 0.01 μ F \pm 20%
					C733	1	DK16101300	Ceramic 100pF \pm 5% (T only)
					C734	1	DK16101300	Ceramic 100pF \pm 5% (T only)
					C813	1	DK18103510	Ceramic 0.01 μ F
R703	1	GD05683140	Resistor 68K Ω	19	R703	1	GD05473140	Resistor 47K Ω
R704	1	GD05683140	Resistor 68K Ω	19	R704	1	GD05473140	Resistor 47K Ω
R705	1	GD05103140	Resistor 10K Ω	19	R705	1	GD05472140	Resistor 4.7K Ω
R706	1	GD05103140	Resistor 10K Ω	19	R706	1	GD05472140	Resistor 4.7K Ω
R709	1	GD05391140	Resistor 390 Ω	19	R709	1	GD05331140	Resistor 330 Ω
R710	1	GD05391140	Resistor 390 Ω	19	R710	1	GD05331140	Resistor 330 Ω
R735	1	GD05333140	Resistor 33K Ω	20				
R736	1	GD05333140	Resistor 33K Ω	20				
R737	1	GD05822140	Resistor 8.2K Ω	20				
R738	1	GD05822140	Resistor 8.2K Ω	20				
R739	1	GD05822140	Resistor 8.2K Ω	20				
R740	1	GD05822140	Resistor 8.2K Ω	20				
R741	1	GD05471140	Resistor 470 Ω	20				
R742	1	GD05471140	Resistor 470 Ω	20				
R743	1	GD05471140	Resistor 470 Ω	20				
R744	1	GD05471140	Resistor 470 Ω	20				
R753	1	GG05022120	Resistor 2.2 Ω	20				
R754	1	GG05022120	Resistor 2.2 Ω	20				
R805	1	GA05121010	Resistor 120 Ω 1W	20	R805	1	RF05220120	Fusible 22 Ω 1/2W
R806	1	GG05471120	Resistor 470 Ω 1/2W	20	R806	1	RF05820120	Fusible 82 Ω 1/2W
R807	1	GD05272140	Resistor 2.7K Ω	20	R807	1	GD05122140	Resistor 1.2K Ω
R810	1	GA05390010	Resistor 39 Ω 1W	20	R810	1	GA05331010	Resistor 330 Ω 1W
RN05	1	GD05154140	Resistor 150K Ω	20	RN05	1	GD05124140	Resistor 120K Ω
Q401	1	HC10003090	IC 4558D	20	Q401	1	HC10008090	IC NJM4558D
Q701	1	HT107502C0	Transistor 2SA750 (E or F)	20	Q701	1	HT110162A0	Transistor 2SA1016 (P or Q)
Q702	1	HT107502C0	Transistor 2SA750 (E or F)	20	Q702	1	HT110162A0	Transistor 2SA1016 (P or Q)
Q703	1	HT107502C0	Transistor 2SA750 (E or F)	20	Q703	1	HT110162A0	Transistor 2SA1016 (P or Q)
Q704	1	HT107502C0	Transistor 2SA750 (E or F)	20	Q704	1	HT110162A0	Transistor 2SA1016 (P or Q)
Q713	1	HD20001210	Diode 1S2473	20				
Q714	1	HD20001210	Diode 1S2473	20				
Q715	1	HD20001210	Diode 1S2473	20				
Q716	1	HD20001210	Diode 1S2473	20				
Q717	1	HD20001210	Diode 1S2473	20				
Q718	1	HD20001210	Diode 1S2473	20				
Q719	1	HD20001210	Diode 1S2473	20				
Q720	1	HD20001210	Diode 1S2473	20				
Q721	1	HT309452B0	Transistor 2SC945 (P or Q)	20				
Q722	1	HT309452B0	Transistor 2SC945 (P or Q)	20				
Q723	1	HT107332A0	Transistor 2SC733 (P or Q)	20				
Q724	1	HT107332A0	Transistor 2SC733 (P or Q)	20				
Q807	1	HT405712B0	Transistor 2SD571	20				
					Q811	1	HD20015030	Diode DS135D (D or E)
					Q813	1	HT403132P0	Transistor 2SD313 (D or E)
					QN07	1	HD20001210	Diode 1S2473
PE00	1	YK207H1650	P.W. Board Control Tone	21	PE00	1	YN226H4210	P.W. Board Control Tone
	1	ZZ207H1650	P.W. Board Assembly	21		1	ZZ226H4210	P.W. Board Assembly
RE01	1	GD05682140	Resistor 6.8K Ω	21	RE01	1	GD05622140	Resistor 6.2K Ω
RE02	1	GD05682140	Resistor 6.8K Ω	21	RE02	1	GD05622140	Resistor 6.2K Ω
RE03	1	RS05030350	Variable 50K Ω x 2	21	RE03	1	RM05031030	Variable 50K Ω x 2
RE04	1	RS05030350	Variable 50K Ω x 2	21	RE04	1	RM05031030	Variable 50K Ω x 2

ORIGINAL MODEL PM310 (N,A)					SHELTERED MODEL PM25 (N,A,T)			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
PS00	1	YK207H1660	P.W. Board Assembly	21	PS00	1	YK207H1660	P.W. Board Assembly
	1	ZZ207H1660	Switch/Volume	21		1	ZZ226H1660	Switch/Volume
			P.W. Board Assembly					P.W. Board Assembly
SS01	1	SP02030110	Push Switch	21	SS01	1	SP02030170	Push Switch
					P00	1	YH114H0210	P.W. Board Fuse
						1	ZZ114H8210	P.W. Board Assembly
					FP01	1	FS10050800	Fuse T500mA 250V
					JP01	1	YL01010040	Terminal
					JP04	1	YL01010040	Terminal
					JP09	1	YJ08000330	Jack
					JP10	1	YJ08000330	Jack
PX01	1	WN207H3210	P.W. Board Meter Driver	21				
			L.E.D. Level					
	1	ZZ207H3210	P.W. Board Assembly	21				
CX01	1	EA33505030	Elect 3.3 μ F 50V	21				
CX02	1	EA33505030	Elect 3.3 μ F 50V	21				
CX03	1	EA10505030	Elect 1 μ F 50V	21				
CX04	1	EA10505030	Elect 1 μ F 50V	21				
CX05	1	DF16103300	Film 0.01 μ F \pm 10%	21				
CX06	1	DF16103300	Film 0.01 μ F \pm 10%	21				
L701	1	LL23905120	Choke Coil	21				
L702	1	LL23905120	Choke Coil	21				
RX01	1	GD05103140	Resistor 10K Ω	22				
RX02	1	GD05103140	Resistor 10K Ω	22				
RX03	1	GD05104140	Resistor 100K Ω	22				
RX04	1	GD05104140	Resistor 100K Ω	22				
RX07	1	RA02030060	Trimming 20K Ω	22				
RX08	1	RA02030060	Trimming 20K Ω	22				
RX25	1	GD05563140	Resistor 56K Ω	22				
RX26	1	GD05563140	Resistor 56K Ω	22				
RX27	1	GD05183140	Resistor 18K Ω	22				
RX28	1	GD05183140	Resistor 18K Ω	22				
QX01	1	HD30076090	Zener WZ038	22				
QX02	1	HD30076090	Zener WZ038	22				
QX03	1	HD20001210	Diode 1S2473	22				
QX04	1	HD20001210	Diode 1S2473	22				
QX05	1	HC10008370	IC TL489C	22				
QX06	1	HC10008370	IC TL489X	22				
QX07	1	HC10019020	IC AN6552	22				
QX21	1	HD20001210	Diode 1S2473	22				
QX22	1	HD20001210	Diode 1S2473	22				
JX01	1	YJ07000750	Jack	22				
PX02	1	WN207H3220	P.W. Board Meter L.E.D. Level	22				
	1	ZZ207H3220	P.W. Board Assembly	22				
RX10	1	GD05271140	Resistor 270 Ω	22				
RX11	1	GD05561140	Resistor 560 Ω	22				
RX12	1	GD05561140	Resistor 560 Ω	22				
RX13	1	GD05561140	Resistor 560 Ω	22				
RX14	1	GD05561140	Resistor 560 Ω	22				
RX15	1	GD05561140	Resistor 560 Ω	22				
RX16	1	GD05561140	Resistor 560 Ω	22				
RX17	1	GD05561140	Resistor 560 Ω	22				
RX18	1	GD05561140	Resistor 560 Ω	22				
RX19	1	GD05561140	Resistor 560 Ω	22				
RX20	1	GD05561140	Resistor 560 Ω	22				

ORIGINAL MODEL PM310 (N,A)					SHELTERED MODEL PM25 (N,A,T)			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
QX08	1	H110006320	L.E.D. GL-9NG9	22				
QX09	1	H110007320	L.E.D. GL-9PR9	22				
QX10	1	H110007320	L.E.D. GL-9PR9	22				
QX11	1	H110007320	L.E.D. GL-9PR9	22				
QX12	1	H110007320	L.E.D. GL-9PR9	22				
QX13	1	H110007320	L.E.D. GL-9PR9	22				
QX14	1	H110007320	L.E.D. GL-9PR9	22				
QX15	1	H110007320	L.E.D. GL-9PR9	22				
QX16	1	H110007320	L.E.D. GL-9PR9	22				
QX17	1	H110007320	L.E.D. GL-9PR9	22				
QX18	1	H110007320	L.E.D. GL-9PR9	22				

Different Parts between MODEL ST310 (N,A) and ST25 (N,A)

ORIGINAL MODEL ST310 (N,A)					SHELTERED MODEL ST25 (N,A)			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
A	1	403H063410	Front Panel Assembly	10	A	1	413H063400	Front Panel Assembly
001B	1	403H063030	Escutcheon Front Panel	10	001B	1	413H063110	Escutcheon Front Panel
002B	2	403H063020	Escutcheon Side Panel	10				
003B	2	403H067010	Cap.	10	003B	2	403H067210	Cap.
008B	3	403H154010	Knob Push Switch	10	008B	3	226H154140	Knob Push Switch
009B	3	403H115010	Spring Push Switch	10				
					020B	1	226H154130	Knob
					021B	1	114H259020	Bushing
006B	1	403H154020	Knob Tuning	10	006B	1	114H154110	Knob Tuning
007B	3	403H259010	Bushing	10	007B	2	208H259110	Bushing
004D	1	403H257010	Lid Top Cover	11	004D	1	403H257110	Lid Top Cover
001E	1	403H160220	Bracket Rear Panel (N only)	12	001E	1	413H160220	Bracket Rear Panel (N only)
001E	1	403H160230	Bracket Rear Panel (A only)	12	001E	1	413H160230	Bracket Rear Panel (A only)
006E	2	51280310U0	B.H. Tapped Screw B3 x 10	12				
					021E	1	404H160030	Bracket
					022E	1	51280308U0	B.H. Tapped Screw B3 x 8
					023E	1	51280308U0	B.H. Tapped Screw
					024E	1	1455259010	Bushing (N only)
					025E	1	1455259090	Bushing Supply DC (A only)
					026E	1	408H271010	Holder
J091	1	BY05030040	Voltage Selector (A only)	12				
J091	1	BY05060040	Voltage Selector (N only)	12				
L051	1	LF11200620	Ant. Coil AM Bar Ant.	12	L051	1	LA00015010	Ant. Coil Loop Ant.
L061	1	LC11540040	Choke Coil 150 μ H	12				
W001	1	ZC01805010	AC Power Cord (N only)	12	W001	1	YB00600190	Connective Cord
W001	1	ZC02006020	AC Power Cord (A only)	12	W001	1	YB00600190	Connective Cord
006G	2	51280406B0	B.H. Tapped Screw B4 x 6	13				
L001	1	TS14128220	Power Transformer	13				
R002	1	GJ05102020	Resistor 1K Ω 2W	13				
S001	1	SP01010390	Push Switch Power	13	S001	1	SP0201050	Push Switch Power
G001	1	DK18103840	Ceramic Spark Killer	13				
001S	1	403H801020	Packing Case	14	001S	1	413H801020	Packing Case
008S	1	2819056020	Buffer	14				
010S	1	2731821010	Silicagel (N only)	14				
001T	1	403H851010	Instructions (A only)	14				
001T	1	403H851310	Instructions (N only)	14				
002T	1	403H851020	Instructions (A only)	14				
002T	1	403H851320	Instructions (N only)	14				
003T	1	2205851040	Instructions (A only)	14				
003T	1	403H856010	Circuit Diagram (N only)	14				
004T	1	9631000090	Guarantee Card (A only)	14				
004T	1	9013025010	Polythylene Bag (N only)	14				
005T	1	9013025010	Polyethylene Bag	14				
001V	1	ZA02000070	Ext. Antenna	14				

ORIGINAL MODEL ST310 (N,A)					SHELTERED MODEL ST25 (N,A)			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
P100	1	YK403H1210	P.W. Board Main Tuner	15	P100	1	YK403H1210	P.W. Board Main Tuner
	1	ZZ403H8210	P.W. Board Assembly			1	ZZ413H8210	P.W. Board Assembly
C301	1	EA22701630	Elect 220 μ F 16V	15	C301	1	EA47701630	Elect 470 μ F 16V
C321	1	DF15562300	Film 5600pF	15	C321	1	DF15682300	Film 6800pF
C322	1	DF15562300	Film 5600pF	15	C322	1	DF15682300	Film 6800pF
C801	1	DK18103510	Ceramic 0.01 μ F	15				
C802	1	EA47703530	Elect 470 μ F 35V	15				
C803	1	EA22702530	Elect 220 μ F 25V	15	C803	1	EA10701630	Elect 470 μ F 16V
C804	1	EA47701630	Elect 470 μ F 16V					
C805	1	DK17103300	Ceramic 0.01 μ F \pm 20%	15	C805	1	DK18103310	Ceramic 0.01 μ F
C806	1	EA10601690	Elect 10 μ F 16V	15				
R122	1	GD05153140	Resistor 15K Ω 1/4W	16				
R123	1	GD05183140	Resistor 18K Ω 1/4W	16	R123	1	RA05030090	Trimming 50K Ω
R124	1	GD05473140	Resistor 47K Ω 1/4W	16				
R135	1	GD05473140	Resistor 47K Ω 1/4W	16	R135	1	GD05333140	Resistor 33K Ω 1/4W
R136	1	GD05473140	Resistor 47K Ω	16	R136	1	GD05223140	Resistor 22K Ω
R301	1	GD05470140	Resistor 47 Ω	16	R301	1	GD05181140	Resistor 180 Ω
R319	1	GD05431140	Resistor 430 Ω	16	R319	1	GD05471140	Resistor 470 Ω
R320	1	GD05431140	Resistor 430 Ω	16	R320	1	GD05471140	Resistor 470 Ω
R801	1	GJ05390020	Resistor 39 Ω 1/2W	16	R801	1	GA05330010	Resistor 33 Ω
R802	1	GD05152140	Resistor 1.5K Ω 1/4W					
R803	1	GD05222140	Resistor 2.2K Ω 1/4W					
R804	1	GG05751120	Resistor 750 Ω 1/2W					
Q801	1	HD20022100	Diode 10E1	16				
Q802	1	HD20022100	Diode 10E1	16	Q802	1	HD20015030	Diode DS135D
Q803	1	HT403131D0	Transistor 2SD313D	16				
Q804	1	HD30025090	Zener WZ-150	16	Q804	1	HD30022090	Zener BZ-120
				17	PB00	1	WF406H0020	P.W. Board Coil Ant.
						1	ZZ413H0020	P.W. Board Assembly
					LB01	1	LA10295010	Ant. Coil MW
					LB03	1	LC11540040	Choke Coil

Different Parts between MODEL ST310L and ST25L

ORIGINAL MODEL ST310L					SHELTERED MODEL ST25L			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
A	1	405H063400	Front Panel Assembly	10	A	1	414H063400	Front Panel Assembly
001B	1	405H063010	Escutcheon Front Panel	10	001B	1	414H063010	Escutcheon Front Panel
002B	2	403H063020	Escutcheon Side Panel	10				
003B	2	403H067010	Cap.	10	003B	2	403H067210	Cap.
007B	5	403H259010	Bushing	10	007B	4	208H259110	Bushing
008B	5	403H154010	Knob Push Switch	10	008B	4	226H154140	Knob Push Switch
					020B	1	226H154130	Knob Power Switch
					021B	1	114H259020	Bushing Power Switch
006B	1	403H154020	Knob Tuning	10	006B	1	114H154110	Knob Tuning
004D	1	403H257010	Lid Top Cover	11	004D	1	403H257110	Lid Top Cover
					010D	4	413H060010	Clinger
001E	1	405H160210	Bracket Rear Panel	12	001E	1	414H160220	Bracket Rear Panel
006E	2	51280310U0	B.H. Tapped Screw B3 x 10	12	025E	1	1455259090	Bushing Supply DC
					026E	1	408H271010	Holder

ORIGINAL MODEL ST310L					SHELTERED MODEL ST25L			
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION
014F	2	2147056010	Buffer	13	014F	2	403H056010	Buffer
006G	2	51380406B0	B.H. Tapped Screw B4 x 6	13				
017G	1	1210005010	Clamper	13	017G	1	404H123010	Contactator
L001	1	TS14128220	Power Transformer	13				
001S	1	405H801010	Packing Case	14	001S	1	414H801020	Packing Case
008S	1	2819056020	Buffer	14				
010S	1	2731821010	Silicagel	14				
001T	1	403H851310	Instructions	14				
002T	1	405H851320	Instructions	14				
003T	1	405H856010	Circuit Diagram	14				
004T	1	2918107390	Sheet	14				
					W002	1	YB00600190	Connective Cord
P100	1	YK405H1310	P.W. Board Tuner	15	P100	1	YK405H1310	P.W. Board Tuner
		ZZ405H8310	P.W. Board Assembly			1	ZZ414H8310	P.W. Board Assembly
C301	1	EA22701630	Elect 220 μ F 16V	15	C301	1	EA47701630	Elect 470 μ F 16V
C321	1	DF15562300	Film 5600pF \pm 5%	15	C321	1	DF15682300	Film 6800pF
C322	1	DF15562300	Film 5600pF \pm 5%	15	C322	1	DF15682300	Film 6800pF
C801	1	DK18103510	Ceramic 0.01 μ F	15				
C802	1	EA47703530	Elect 470 μ F 35V	15				
C803	1	EA22702530	Elect 220 μ F 25V	15				
C804	1	EA47701630	Elect 470 μ F 16V	15	C804	1	EA10701630	Elect 100 μ F 16V
C805	1	DA17103010	Ceramic 0.01 μ F	15				
R115	1	GD05153140	Resistor 15K Ω 1/4W	16	R115	1	GD05152140	Resistor 1.5K Ω 1/4W
R122	1	GD05153140	Resistor 15K Ω 1/4W	16				
R123	1	GD05183140	Resistor 18K Ω 1/4W	16	R123	1	RA05030090	Trimming 50K Ω
R124	1	GD05473140	Resistor 47K Ω 1/4W	16				
R135	1	GD05473140	Resistor 47K Ω 1/4W	16	R135	1	GD05333140	Resistor 33K Ω 1/4W
R301	1	GD05470140	Resistor 47 Ω	16	R149	1	GD05152140	Resistor 1.5K Ω 1/4W
R319	1	GD05431140	Resistor 430 Ω	16	R301	1	GD05181140	Resistor 180 Ω
R320	1	GD05431140	Resistor 430 Ω	16	R319	1	GD05471140	Resistor 470 Ω
R327	1	GD05561140	Resistor 560 Ω	16	R320	1	GD05471140	Resistor 470 Ω
R328	1	GD05561140	Resistor 560 Ω	16	R327	1	GD05222140	Resistor 2.2K Ω
R336	1	GD05104140	Resistor 100K Ω 1/4W	16	R328	1	GD05222140	Resistor 2.2K Ω
R801	1	GJ05390020	Resistor 39 Ω 2W	16	R336	1	GD05474140	Resistor 470K Ω 1/4W
R802	1	GD05152140	Resistor 1.5K Ω 1/4W	16	R801	1	GA05330010	Resistor 33 Ω
R803	1	GD05222140	Resistor 2.2K Ω 1/4W	16				
R804	1	GD05751120	Resistor 750 Ω 1/2W	16				
RA14	1	GD05152140	Resistor 1.5K Ω 1/4W	16				
Q112	1	HD20001210	Diode 1S2473 (C)	16	Q112	1	HD20011050	Diode 1S1555
Q114	1	HD20001210	Diode 1S2473 (C)	16	Q114	1	HD20011050	Diode 1S1555
Q312	1	HD20001210	Diode 1S2473 (C)	16	Q312	1	HD20011050	Diode 1S1555
Q314	1	HD20001210	Diode 1S2473 (C)	16	Q314	1	HD20011050	Diode 1S1555
Q315	1	HD20001210	Diode 1S2473 (C)	16	Q315	1	HD20011050	Diode 1S1555
Q801	1	HD20022100	Diode 10E1	16				
Q802	1	HD20022100	Diode 10E1	16	Q802	1	HD20015030	Diode DS135D
Q803	1	HT40313100	Transistor 2SD31310	16				
Q804	1	HD30025090	Zener WZ-150	16	Q804	1	HD30022090	Zener BZ-120
S101	1	SP06030190	Push Switch Function	17	S101	1	SP04040240	Push Switch Function
PU00	1	WK405H1330	P.W. Board Power Switch	17				
		ZZ405H8330	P.W. Board Assembly	17				
CU01	1	DK18103840	Ceramic 0.01 μ F	17				
SU01	1	SP01010390	Push Switch Power	17	SU01	1	SP02010550	Push Switch

Different Parts between MODEL SD1030 (N,A,T) and SD25 (N,A,T)

ORIGINAL MODEL SD1030 (N,A,T)					SHELTERED MODEL SD25 (N,A,T)				
REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE	REF. DESIG.	Q'TY	PARTS NO.	DESCRIPTION	PAGE
A	1	124T063400	Front Panel Assembly	18	A	1	127T063400	Front Panel Assembly	18
001B	1	124T063010	Escutcheon Front Panel	18	001B	1	127T063010	Escutcheon Front Panel	18
040B	1	124T158020	Window L.E.D.	18	040B	1	124T158120	Window L.E.D.	18
002B	1	124T063020	Escutcheon	18	002B	1	124T063120	Escutcheon	18
010B	1	102T154070	Knob Rec Level (R)	18	010B	1	102T154020	Knob Rec Level (R)	18
011B	1	102T154050	Knob Rec Level (L)	18	011B	1	102T154010	Knob Rec Level (L)	18
012B	1	408H154010	Knob Power	18	012B	1	226H154130	Knob Power	18
020B	1	124T158500	Window K	18	020B	1	124T158510	Window K	18
030B	1	124T064010	Case Button	18	030B	1	124T064110	Case Button	18
S001	1	SP01010510	Push Switch	18	S001	1	SP02010690	Push Switch	18
050B	1	124T257010	Lid Top Cover	19	050B	1	124T257110	Lid Top Cover	19
060B	1	124T105030	Chassis Rear Panel (N only)	19	060B	1	124T105110	Chassis Rear Panel	19
060B	1	124T105040	Chassis Rear Panel (A, T only)	19	060B	1	124T105110	Chassis Rear Panel	19
801B	2	51280406B0	B.H. Tapped Screw B4 x 6	19	604B	1	1455259030	Bushing Power Cord	19
951B	1	2932861110	Level Caution	19	951B	1	2932861010	Level Caution	19
J093	1	YP04000580	Plug AC Inlet	19					
L801	1	TS14820020	Power Transformer (N only)	19					
L801	1	TS14820030	Power Transformer (A, T only)	19					
W001	1	ZC01805010	A.C. Power Cord (N only)	19	W001	1	YB00500250	Connective Cord (N only)	19
W001	1	ZC01604010	A.C. Power Cord (T only)	19	W001	1	YB00500250	Connective Cord (T only)	19
W001	1	ZC02006020	A.C. Power Cord (A only)	19	W001	1	YB00500250	Connective Cord (A only)	19
001T	1	124T851310	Instructions	25					
002T	1	124T851320	Instructions	25					
003T	1	9631000093	Guarantee Card (A only)	25					
003T	1	9630000200	Guarantee Card (T only)	25					
003T	1	124T856010	Circuit Diagram (N only)	25					
004T	1	124T856010	Circuit Diagram (T only)	25					
001U	1	124T801020	Packing Case	25	001U	1	127T801010	Packing Case	25
007U	4	9526019030	Serial No. Card (A only)	25	007U	1	9526019060	Serial No. Card	25
009U	1	2731821010	Silicagel (N, T only)	25					
002V	1	4136071010	Cleaner	25					
CG09	1	EA47601630	Elect 47μF 16V	26					
CG10	1	EA47601630	Elect 47μF 16V	26					
CG20	1	DK18103300	Ceramic 0.01μF	26					
CU21	1	DK18103300	Ceramic 0.01μF	27					
RG27	1	GD05221140	Resistor 220Ω 1/4W	27					
RG28	1	GD05221140	Resistor 220Ω 1/4W	27					
RG33	1	GD05471140	Resistor 470Ω 1/4W	27					
RG34	1	GD05471140	Resistor 470Ω 1/4W	27					
JG01	1	YJ01001460	Jack Head Phone	29					
G001	1	DK18103840	Ceramic 0.01μF	29					
P801	1	YK124T1440	P.W. Board	29					

SYSTEM DC350/DC350L TECHNICAL SPECIFICATIONS(DIN)

MODEL PM25

POWER OUTPUT PER CHANNEL

DIN 8 OHMS 1 kHz 25W
 RMS 8 OHMS 1 kHz 25W
 TOTAL HARMONIC DISTORTION AT RMS 8 OHMS 0.3%

Frequency Response

MM (RIAA) ±1.0 dB
 Aux (±1 dB) 15 Hz ~ 50 kHz

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

Phono (MM) 74 dB
 Aux 96 dB

Dimensions (W x H x D)

416 x 73 x 302 mm

Weight

5 kg

MODEL ST25/ST25L

FM TUNER SECTION

Frequency Range 87.5 ~ 108 MHz

Usable Sensitivity 40 kHz Deviation, 98 MHz

Mono S/N 26 dB, 75 ohms 1.0 μV
 Stereo S/N 46 dB, 75 ohms 30 μV

Signal-to-Noise Ratio at 98 MHz

Un-weighted Mono 70 dB
 Stereo 63 dB
 Weighted Mono 73 dB
 Stereo 66 dB

MW TUNER SECTION

Frequency Range 525 ~ 1602 kHz

Usable Sensitivity (20 dB S/N, 30% Mod., 1 MHz)

10 μV

Selectivity 1 MHz

30 dB

LW TUNER SECTION

Frequency Range 150 ~ 370 kHz

Usable Sensitivity (20 dB S/N, 30% Mod., 250 kHz)

90 μV

Dimensions (W x H x D)

416 x 73 x 193 mm

Weight

2.7 kg

MODEL SD25

Style

Front load

Overall Frequency Response at -20 dB

Normal Tape 30 Hz ~ 15 kHz
 CrO₂ Tape 30 Hz ~ 16 kHz
 Metal Tape 30 Hz ~ 17.5 kHz

Signal-to-Noise Ratio:

Dolby (ON) 66 dB
 Dolby (OFF) 56 dB

Wow and Flutter

DIN WTD 0.13%

Dimensions (W x H x D)

416 x 100 x 193 mm

Weight

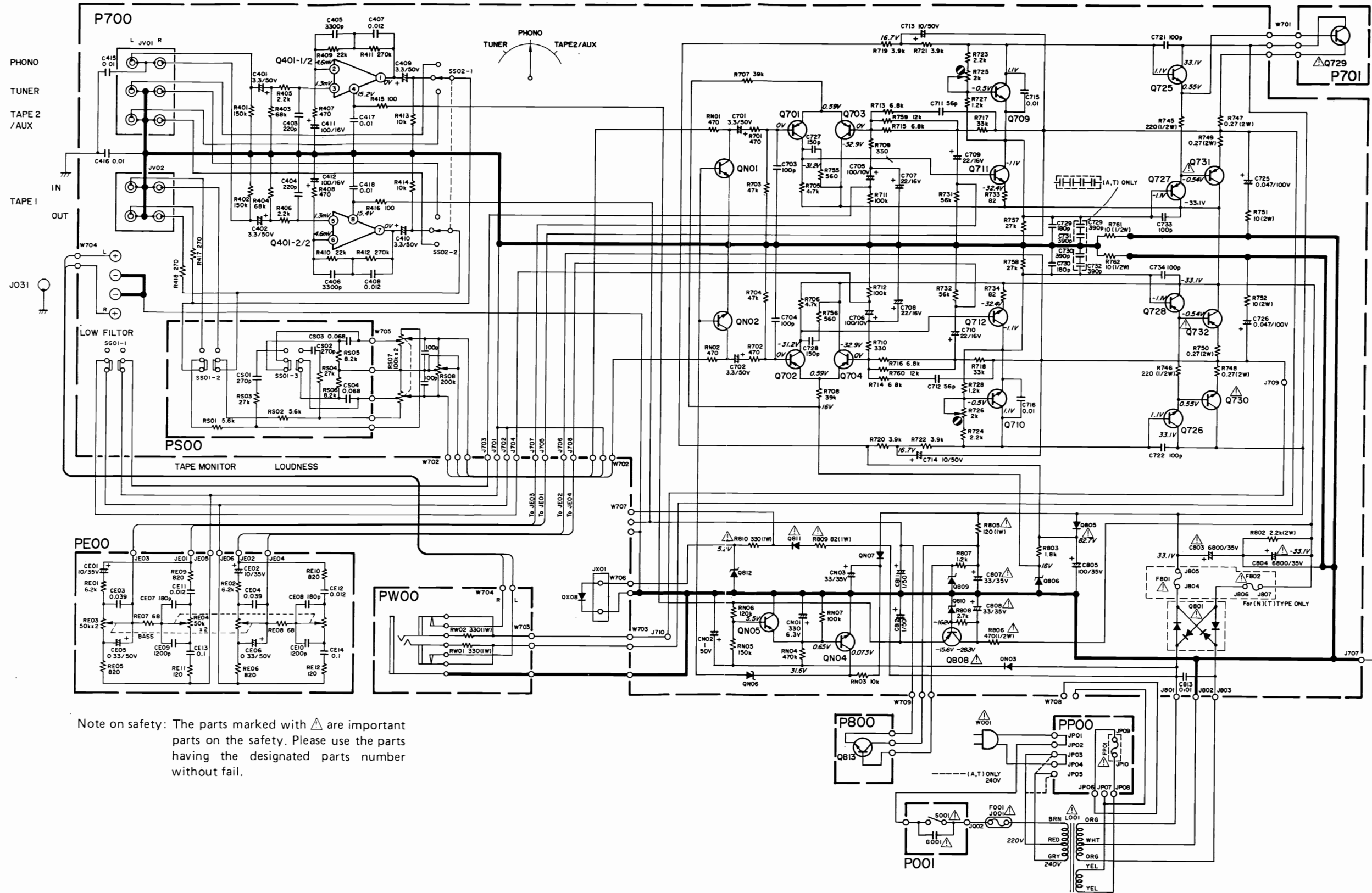
3 kg

Power Requirement

N version 220V AC, 50 Hz
 T version 240V AC, 50 Hz

Specifications and appearance are subject to change for modification without notice.

SCHEMATIC DIAGRAM (Model PM25)



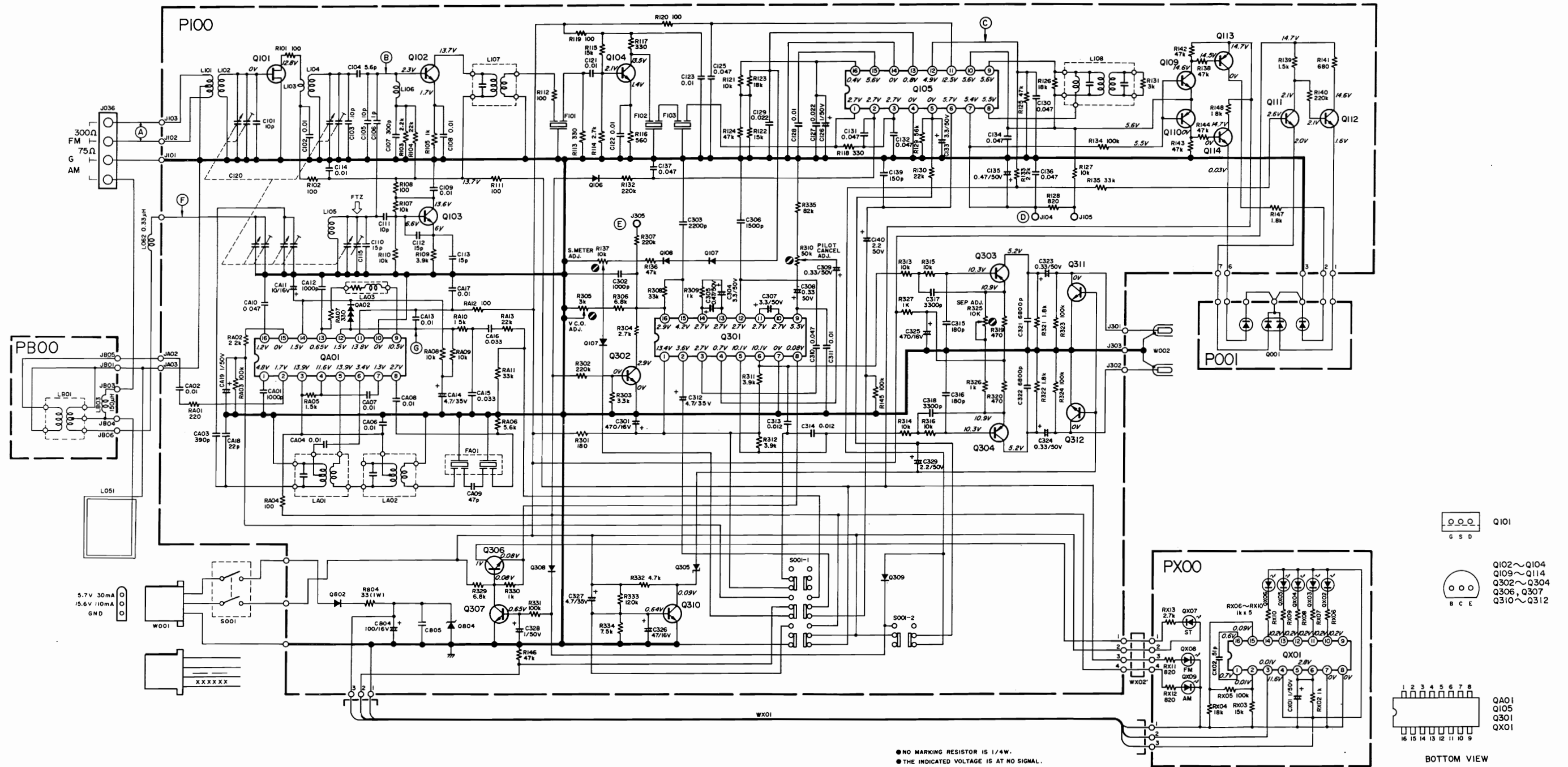
- Q401-1/2, Q401-2/2
4558D
HC10008090
- Q701~Q704
2SA1016
HT110162A0
- Q709, Q710, Q721, Q722
QN01, QN02, QN04
25C945
HT309452B0
- Q711, Q712
25C2240
- Q713~Q720
IS1555
- Q808, QN05
2SA733
HT107332A0
- Q725, Q726
25C2274
HT322742B0
- Q727, Q728
2SA984
HT109842B0
- Q729, Q730
25D613
HD406133B0
- Q731, Q732
25B633
HT206333B0
- Q801
54VB20
HD20008290
- Q805, Q811, QN03
DS135D
HD20015030
- Q806, Q809, Q810
HZ16L
HD30014010
- Q812
BZ052
HD30042090
- Q813
25D313
HT403132P0
- QN06
WZ071
HD30023090
- QN07
IS2473
HD20001210
- QX08
HT10007320

Note on safety: The parts marked with Δ 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 without notice.

SCHEMATIC DIAGRAM (Model ST25)

QA01 HC10041030 LA1240	QA02 HV00006120 MV-203	Q101 HF200551D0 2SK55D	Q102, Q104 HT310471C0 2SC1047	Q103 HT308291C0 2SC829C	Q105 HC10028030 LA1231N	Q106 ~ Q108 HD20001210 IS2473	Q109, Q111 Q112, Q114 HT309452B0 2SC945 (P, Q)	Q110, Q113 HT107332A0 2SA733 (P, Q)	Q301 HC10029010 HA11223W	Q302 HT308281D0 2SC828 (S)	Q303, Q304 HT10992 2SA9922B0	Q305 HD30002060 RD3, 9	Q306, Q307 HT309452B0 2SC945 (P, Q)	Q308, Q309 HD20001210 IS2473	Q310, Q311, Q312 HT326342B0 2SC2634 (S, T)	Q802 HD20015030 DS135D	Q804 HD30025090 WZ-150	QX01 HC10042030 LB1415
------------------------------	------------------------------	------------------------------	-------------------------------------	-------------------------------	-------------------------------	-------------------------------------	---	---	--------------------------------	----------------------------------	------------------------------------	------------------------------	---	------------------------------------	--	------------------------------	------------------------------	------------------------------

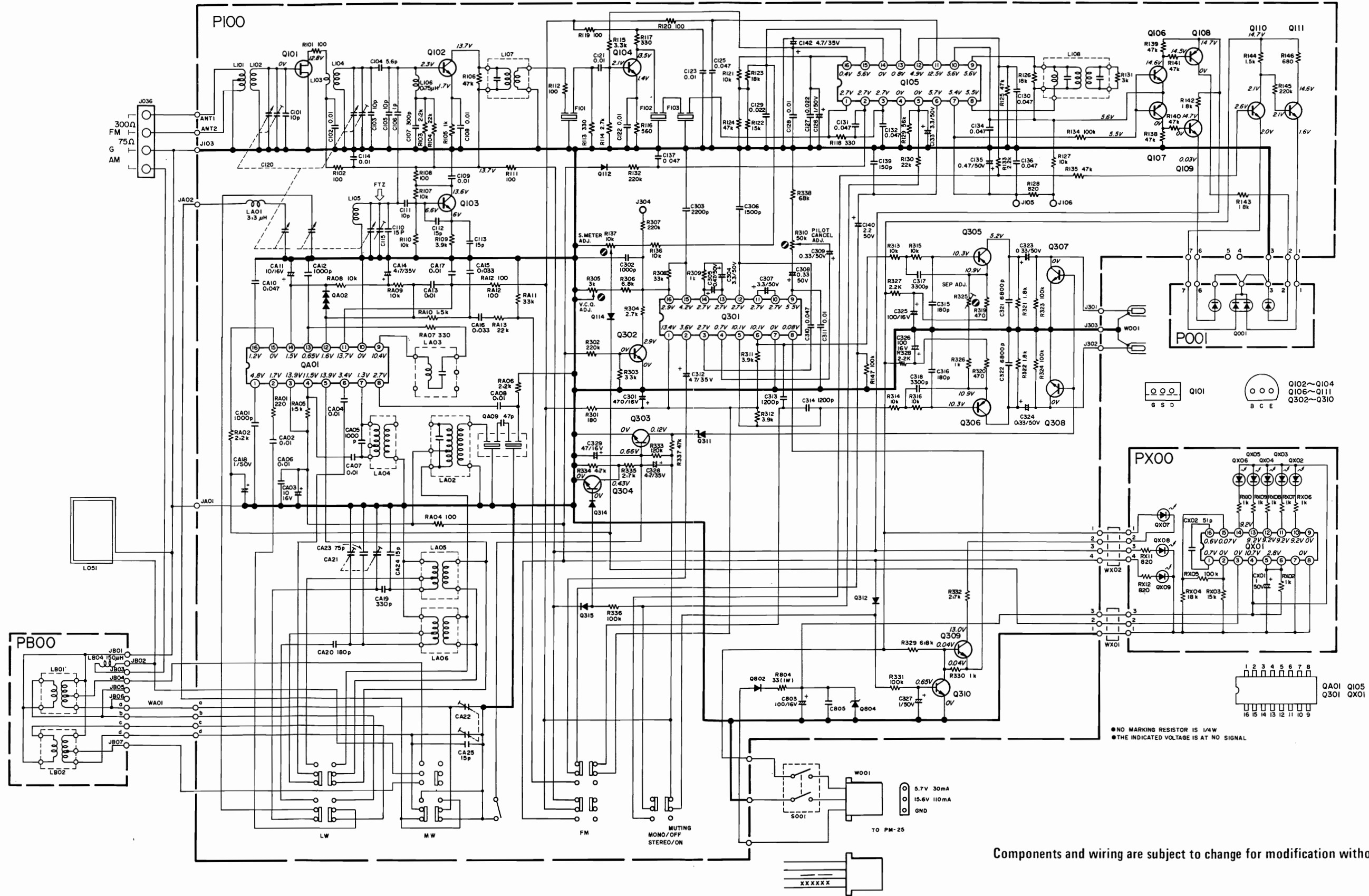


Note on safety: The parts marked with \triangle are important parts on the safety. Please use the parts having the designated parts number without fail.

Components and wiring are subject to change for modification without notice.

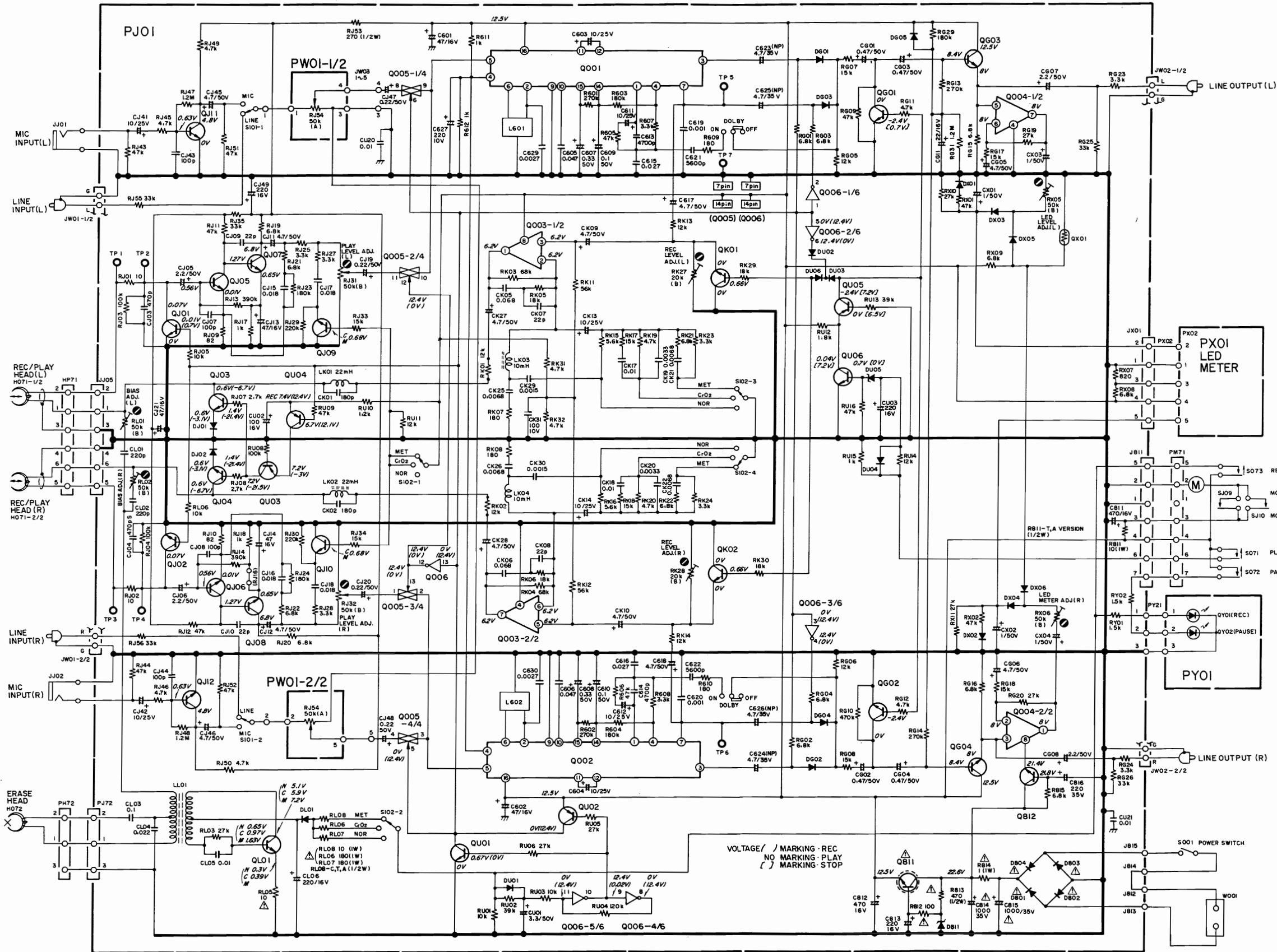
SCHEMATIC DIAGRAM (Model ST25L)

Q001 HI10014300	QA02 HV00006120 MV-203	Q101 HF200551D0 25K55D	Q102, Q104 HT310471C0 25C1047C	Q103 HT308291C0 25C829C	Q105 HC10028030 LA1231N	Q106, Q109, Q110, Q111, Q309, Q310 HT309452B0 25A7332A0	Q112, Q114, Q312 Q314, Q315 HD2000210	Q301 HT10029010 HA11223W	Q302 HT308281D0 25C828C	Q303, Q304, Q307 Q308 HT326342B0 25C2634	Q305, Q306 HT109922B0 25A992 (E, F) RD3.9	Q311 HT30002060	Q802 HD20015030 DS135D	Q804 HD30025090 WZ-150	QX01 HC10042030 LB1415	QX02~QX06 HI10007320 GL9PR9	QX07 HI10008030 SLP141B	QX08, QX09 HI1001030 SLP241B
--------------------	------------------------------	------------------------------	--------------------------------------	-------------------------------	-------------------------------	--	---	--------------------------------	-------------------------------	---	---	--------------------	------------------------------	------------------------------	------------------------------	-----------------------------------	-------------------------------	------------------------------------



Components and wiring are subject to change for modification without notice.

SCHEMATIC DIAGRAM (Model SD25)



- Q001, Q002
HC10010270
NE646B
- Q003, Q004
HC10003090
4558D
- Q005
HC40660080
4066C
- Q006
HC40690580
TC4069UBP
- Q811
HT403131E0
25D313 (E)
- Q003, Q004, Q007, Q008
HT309451P0
25C945 (P)
- QJ01~QJ04, QJ09, QJ10
Q001, Q002, QK01, QK02
QU01, QU06, Q812
HT309452B0
25C945 (P, Q)
- QJ05, QJ06, QJ11, QJ12
HT315701G
25C1570 (G)
- QL01
HT313841R0
25C1384 (R)
- QU02~QU05
HT107332A0
25A733 (P, Q)
- QY01, QY02
HI10007320
GL-9RP9
- QX01
HH00003030
SDT-04
- DB11
HD30087090
BZ-130
- DB01~DB04
HD20015032
DS-135D
- DJ01, DJ02, DG01~DG05
DL01, DU01~DU04
DX01, DX02
H020011050
IS1555
- DX03~DX06
HD10004020
OA91
- PX01
HI1203320
TL-100B

Note on safety: The parts marked with Δ 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 without notice.

NOTE.



marantz®