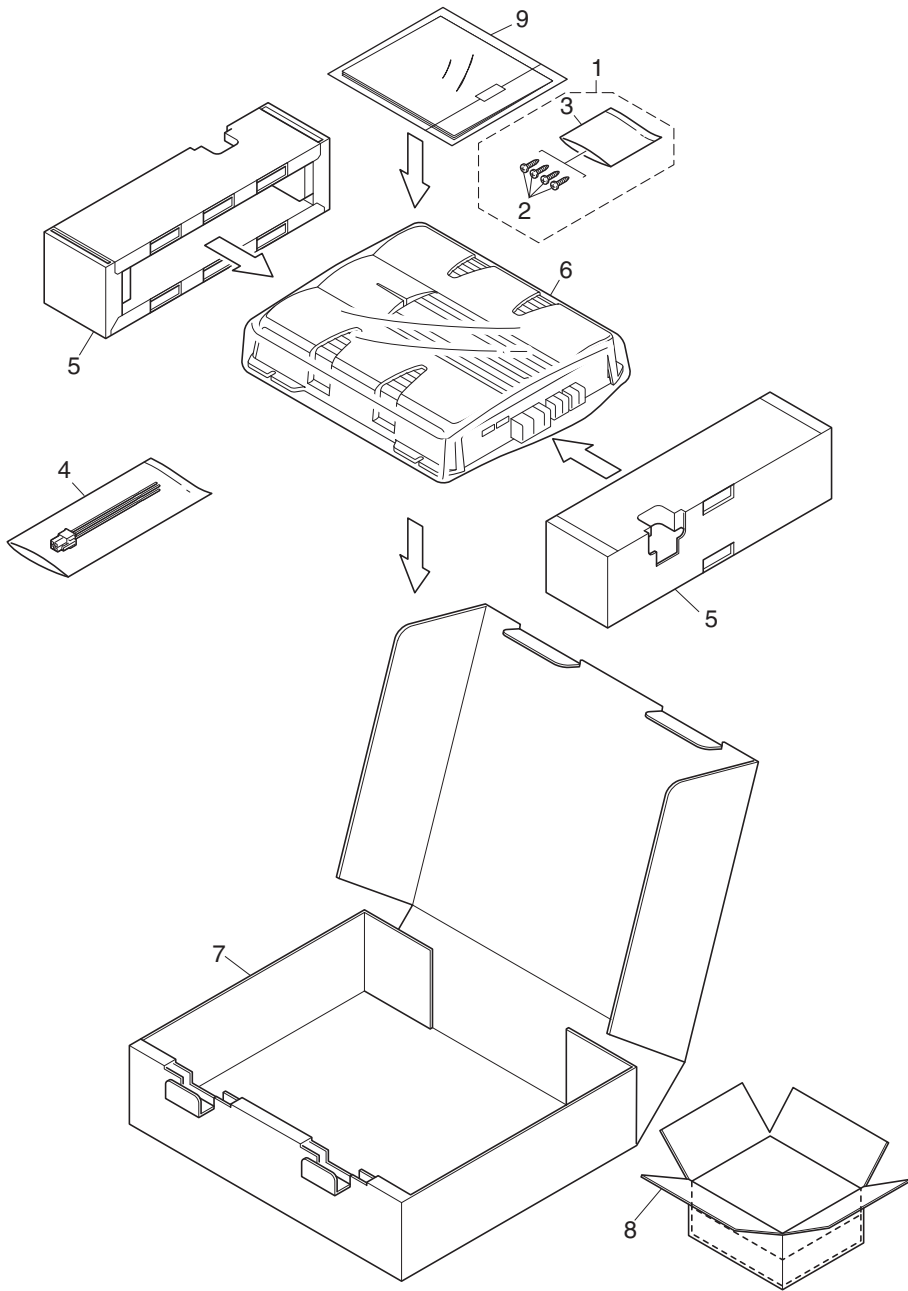


2. EXPLODED VIEWS AND PARTS LIST

NOTES : • Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.
• The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
• Screw adjacent to ▽ mark on the product are used for disassembly.
• For the applying amount of lubricants or glue, follow the instructions in this manual.
(In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING



5 6 7 8

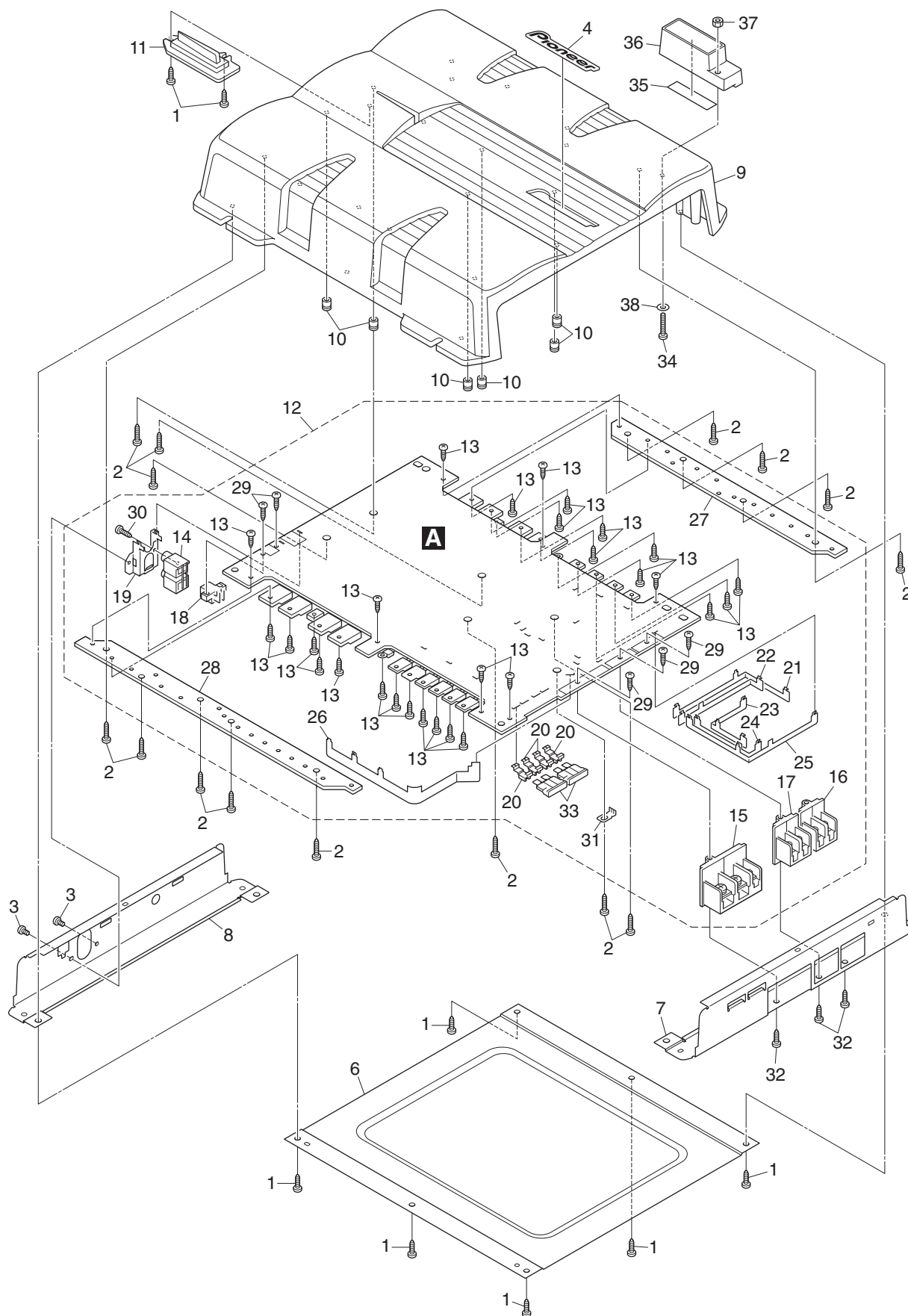
PACKING SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	Screw Assy	CEA5330	7	Carton	CHG5587
2	Screw	BYC40P180FTB	8	Contain Box	CHL5587
* 3	Polyethylene Sheet	CNM4338	9-1	Polyethylene Bag	CEG1116
4	Cord Assy	CDE7736	9-2	Owner's Manual	CRD4010
5	Protector	CHP3066			
			*	9-3 Card	ARY1048
6	Polyethylene Bag	CEG1351	*	9-4 Caution Card	CRP1324

Owner's Manual

Part No.	Language
CRD4010	English, French, Spanish

2.2 EXTERIOR



EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	
1	Screw(M3x8)	CBA2011	
2	Screw(M3x12)	CBA2012	
3	Screw	BSZ30P050FTB	A
* 4	Badge	CAH1946	
5	*****		
6	Case	CNB3199	
7	Panel	CNB3202	
8	Panel	CNB3206	
9	Heat Sink	CNR1828	
10	Spacer	CNV8256	
11	Lighting Conductor	CNV8692	B
12	Amp Unit	CWH1287	
13	Screw(M3x8)	CBA2011	
14	Pin Jack (CN111)	CKB1068	
15	Terminal (CN853)	CKE1055	
16	Terminal (CN855)	CKE1057	
17	Terminal (CN856)	CKE1057	
18	Socket (CN801)	CKM1463	
19	Holder	CND2456	
20	Terminal	CND2458	C
21	Buss Bar	CND2467	
22	Buss Bar	CND2468	
23	Buss Bar	CND2469	
24	Buss Bar	CND2470	
25	Buss Bar	CND2472	
26	Buss Bar	CND2729	
27	Sub Heat Sink	CNR1808	
28	Sub Heat Sink	CNR1810	
29	Screw	PPZ30P100FSN	
30	Screw	PPZ30P100FTB	D
31	Terminal (CN850)	VNF1084	
32	Screw	PPZ30P100FTB	
⚠ 33	Fuse (FU100, FU101) (30A)	CEK1330	
34	Screw	BMZ40P200FTB	
* 35	Seal	CAN3984	
36	Holder	CNV8522	
37	Nut	NB40FTB	
38	Washer	WB40FTB	E

5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

Circuit Symbol and No.

Part No.

Circuit Symbol and No.

Part No.

Q 586 (A,228,199) Transistor 2SC4388
Q 587 (A,210,63) Transistor 2SA1358

Q 588 (A,209,154) Transistor 2SA1358
Q 589 (A,221,34) Transistor 2SA1673
Q 590 (A,173,199) Transistor 2SA1673
Q 591 (A,199,34) Transistor 2SA1673
Q 592 (A,195,199) Transistor 2SA1673

Q 660 (A,158,74) Transistor 2SB1243
Q 661 (B,153,107) Transistor 2SA1576A
Q 662 (B,151,118) Transistor 2SC4081
Q 670 (B,268,110) Transistor 2SA1576A
Q 671 (B,265,110) Transistor 2SC4081

Q 672 (B,267,102) Transistor 2SC4081
Q 673 (B,259,111) Transistor 2SC4081
Q 674 (B,262,94) Transistor 2SA1576A
Q 691 (B,176,86) Transistor DTC114TU
Q 692 (B,174,94) Transistor DTA114EU

Q 931 (B,148,52) Transistor 2SD1766
Q 932 (B,154,41) Transistor 2SD1766
Q 933 (B,143,47) Transistor 2SB1188
Q 934 (B,145,35) Transistor 2SB1188
Q 941 (A,91,31) Transistor FKV550N

Q 942 (A,136,31) Transistor FKV550N
Q 943 (A,76,31) Transistor FKV550N
Q 944 (A,121,31) Transistor FKV550N
Q 945 (A,61,31) Transistor FKV550N
Q 946 (A,106,31) Transistor FKV550N

Q 951 (A,129,203) Transistor 2SD2395
Q 952 (A,109,203) Transistor 2SB1566
Q 981 (B,137,67) Transistor 2SA1576A
Q 991 (B,140,83) Transistor 2SC4081
Q 992 (B,144,82) Transistor DTC114TU

D 161 (A,306,66) Diode ERA15-02VH
D 162 (A,291,86) Diode ERA15-02VH
D 553 (B,211,74) Diode MA111
D 554 (B,232,146) Diode MA111
D 555 (B,209,74) Diode MA111

D 556 (B,234,145) Diode MA111
D 557 (B,247,71) Diode MA111
D 558 (B,226,121) Diode MA111
D 601 (B,247,117) LED FR1112H

A

Unit Number: CWH1287

Unit Name : Amp Unit

MISCELLANEOUS

IC 111 (B,293,51) IC NJM2068MD
IC 112 (B,274,78) IC NJM2068MD
IC 141 (B,283,103) IC NJM4558MD
IC 171 (B,286,186) IC NJM4558MD
IC 172 (B,296,183) IC NJM4558MD

IC 651 (A,168,96) IC PA2027A
IC 901 (B,158,64) IC UPC494GS
Q 201 (B,249,137) Transistor DTC643TU
Q 202 (B,252,134) Transistor DTC643TU
Q 203 (B,251,128) Transistor DTA124EU

Q 551 (B,220,87) Transistor 2SA1163
Q 552 (B,219,137) Transistor 2SA1163
Q 553 (B,226,89) Transistor 2SA1163
Q 554 (B,214,140) Transistor 2SA1163
Q 555 (B,224,82) Transistor 2SC2713

Q 556 (B,217,128) Transistor 2SC2713
Q 557 (B,220,80) Transistor 2SC2713
Q 558 (B,211,132) Transistor 2SC2713
Q 559 (B,215,76) Transistor 2SC2713
Q 560 (B,208,147) Transistor 2SC2713

Q 561 (B,230,73) Transistor 2SA1163
Q 562 (B,241,154) Transistor 2SA1163
Q 563 (B,222,72) Transistor 2SC2713
Q 564 (B,222,151) Transistor 2SC2713
Q 565 (A,230,33) Transistor 2SD1684

Q 566 (A,219,200) Transistor 2SD1684
Q 571 (B,244,71) Transistor 2SC2713
Q 572 (B,218,121) Transistor 2SC2713
Q 581 (A,242,62) Transistor 2SC3421
Q 582 (A,240,163) Transistor 2SC3421

Q 583 (A,276,34) Transistor 2SC4388
Q 584 (A,250,199) Transistor 2SC4388
Q 585 (A,254,34) Transistor 2SC4388

5			6			7			8		
<u>Circuit Symbol and No.</u>			<u>Part No.</u>			<u>Circuit Symbol and No.</u>			<u>Part No.</u>		
D 658	(B,165,33)	Diode	DAN202U			R 181	(B,318,182)		RS1/16S104J		
						R 182	(B,293,188)		RS1/16S273J		
D 661	(B,171,74)	Diode	MA111								
D 664	(B,139,114)	Diode	UDZS7R5(B)			R 184	(B,300,189)		RS1/16S331J		A
D 665	(A,48,99)	Diode	RM4Z-LFJ4			R 185	(B,287,193)		RS1/16S331J		
D 670	(B,262,110)	Diode	MA111			R 189	(B,283,195)		RS1/16S273J		
D 681	(A,157,105)	Diode	ERA15-02VH			R 198	(B,280,97)		RS1/16S0R0J		
						R 201	(B,249,140)		RS1/16S0R0J		
D 682	(A,162,108)	Diode	ERA15-02VH								
D 951	(B,145,192)	Diode	UDZS16(B)			R 202	(B,252,131)		RS1/16S0R0J		
D 952	(B,123,192)	Diode	UDZS16(B)			R 203	(B,285,173)		RS1/16S560J		
D 957	(A,89,202)	Diode	FML22S			R 204	(B,297,174)		RS1/16S560J		
D 958	(A,70,202)	Diode	FML22R			R 206	(B,267,165)		RS1/16S222J		
						R 207	(B,273,161)		RS1/16S222J		
D 991	(A,124,184)	Diode	ERA92-02VH								
D 992	(A,121,183)	Diode	ERA92-02VH			R 505	(B,260,35)		RS1/16S473J		
D 993	(B,141,78)	Diode	MA111			R 506	(B,265,199)		RS1/16S473J		B
L 601	(A,59,69)	Choke Coil 50μH	CTH1323			R 507	(B,237,35)		RS1/16S473J		
L 951	(A,69,163)	Choke Coil 320μH	CTH1326			R 508	(B,242,199)		RS1/16S473J		
						R 509	(B,248,77)		RS1/16S564J		
L 952	(A,40,163)	Choke Coil 320μH	CTH1326								
T 901	(A,100,83)	Transformer	CTT1122			R 510	(B,225,123)		RS1/16S564J		
TH901	(A,150,33)	Thermistor	CCX1065			R 511	(B,241,72)		RS1/16S473J		
TH902	(A,148,201)	Thermistor	CCX1065			R 512	(B,222,122)		RS1/16S473J		
TH903	(A,128,102)	Thermistor	CCX1064			R 513	(A,12,201)		RD1/2PM100J		
						R 514	(A,26,140)		RD1/2PM100J		
S 151	(A,314,98)	Switch(LPF/OFF)	CSH1021								
S 171	(A,314,178)	Switch(BASS BOOST)	CSH1029			R 551	(B,229,40)		RS1/16S182J		
S 901	(A,8,197)	Switch(BFC)	HSH-156			R 552	(B,221,194)		RS1/16S182J		
VR201	(A,310,151)	Volume 10kΩ(A)(GAIN)	CCS1241			R 555	(B,236,87)		RS1/16S103J		C
△FU100	(A,19,42)	Fuse 30A	CEK1330			R 556	(B,228,133)		RS1/16S103J		
						R 557	(B,236,89)		RS1/16S473J		
△FU101	(A,19,65)	Fuse 30A	CEK1330								
AR101	(B,315,78)	Surge Protector	CSA30-201N			R 558	(B,225,130)		RS1/16S473J		
AR102	(B,309,89)	Surge Protector	CSA30-201N			R 559	(B,231,89)		RS1/16S331J		
						R 560	(B,225,140)		RS1/16S331J		
						R 561	(B,233,89)		RS1/16S331J		
						R 562	(B,225,142)		RS1/16S331J		
RESISTORS											
R 111	(B,295,69)		RS1/16S471J								
R 112	(B,283,88)		RS1/16S471J			R 563	(B,221,84)		RS1/16S681J		
R 113	(B,295,59)		RS1/16S223J			R 564	(B,216,136)		RS1/16S681J		
R 114	(B,275,85)		RS1/16S223J			R 565	(B,211,86)		RS1/16S361J		
R 117	(B,291,58)		RS1/16S102J			R 566	(B,226,126)		RS1/16S361J		D
						R 567	(B,209,86)		RS1/16S433J		
R 118	(B,270,79)		RS1/16S102J								
R 121	(B,296,43)	10kΩ	CCN1152			R 568	(B,222,126)		RS1/16S433J		
R 122	(B,273,70)	10kΩ	CCN1152			R 569	(B,211,79)		RS1/16S681J		
R 123	(B,295,41)	10kΩ	CCN1152			R 570	(B,209,143)		RS1/16S681J		
R 125	(B,292,41)	10kΩ	CCN1152			R 571	(B,235,72)		RS1/16S223J		
						R 572	(B,228,151)		RS1/16S223J		
R 126	(B,286,80)	10kΩ	CCN1152								
R 127	(B,291,61)	10kΩ	CCN1152			R 573	(B,231,40)		RS1/16S390J		
R 131	(B,275,67)	10kΩ	CCN1152			R 574	(B,219,194)		RS1/16S390J		
R 134	(B,276,70)	10kΩ	CCN1152			R 575	(A,233,70)		RD1/4PU101J		
R 152	(B,288,97)		RS1/16S103J			R 576	(A,234,154)		RD1/4PU101J		E
						R 577	(B,221,65)		RS1/16S681J		
R 154	(B,286,97)		RS1/16S103J								
R 157	(B,283,113)		RS1/16S103J			R 578	(B,217,152)		RS1/16S681J		
R 159	(B,281,113)		RS1/16S103J			R 579	(B,226,71)		RS1/16S181J		
R 171	(B,284,181)		RS1/16S222J			R 580	(B,221,144)		RS1/16S181J		
R 172	(B,294,177)		RS1/16S222J			R 581	(B,234,67)		RS1/16S100J		
						R 582	(B,240,158)		RS1/16S100J		
R 173	(B,286,176)		RS1/16S101J								
R 174	(B,298,177)		RS1/16S182J			R 583	(B,219,66)		RS1/16S100J		
R 175	(B,288,181)		RS1/16S182J			R 584	(B,217,150)		RS1/16S100J		
R 176	(B,301,180)		RS1/16S221J			R 585	(A,281,31)		RD1/2PM100J		
R 177	(B,316,178)		RS1/16S121J			R 586	(A,245,202)		RD1/2PM100J		
						R 587	(A,258,31)		RD1/2PM100J		F
R 178	(B,301,182)		RS1/16S132J								
R 179	(B,316,182)		RS1/16S122J			R 588	(A,224,202)		RD1/2PM100J		
R 180	(B,301,183)		RS1/16S104J			R 589	(B,238,30)		RS1/16S221J		
						R 590	(B,213,205)		RS1/16S221J		

Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

R 591 (A,204,31) RD1/2PM100J
 R 592 (A,190,202) RD1/2PM100J

R 966 (B,126,74)
 R 970 (A,164,199)

RS1/16S153J
 RD1/2PM182J

A R 593 (A,225,31) RD1/2PM100J
 R 594 (A,168,202) RD1/2PM100J
 R 595 (A,265,51) 0.1Ω CCN1155
 R 596 (A,261,192) 0.1Ω CCN1155
 R 597 (A,243,51) 0.1Ω CCN1155

R 973 (B,151,60)
 R 974 (B,162,39)
 R 975 (B,162,42)
 R 976 (B,162,41)
 R 977 (B,161,34)

RS1/16S103J
 RS1/16S472J
 RS1/16S472J
 RS1/16S472J
 RS1/16S272J

R 598 (A,240,192) 0.1Ω CCN1155
 R 599 (A,210,42) 0.1Ω CCN1155
 R 600 (A,184,183) 0.1Ω CCN1155
 R 601 (A,188,42) 0.1Ω CCN1155
 R 602 (A,206,183) 0.1Ω CCN1155

R 978 (B,168,35)
 R 979 (B,168,38)
 R 980 (B,141,65)
 R 981 (B,148,74)
 R 982 (B,146,70)

RS1/16S272J
 RS1/16S272J
 RS1/16S105J
 RS1/16S153J
 RS1/16S102J

B R 621 (A,168,67) RD1/4PU101J
 R 622 (A,164,72) RD1/4PU472J
 R 623 (B,175,83) RS1/16S563J
 R 624 (B,150,82) RS1/16S221J
 R 625 (A,154,85) RD1/4PU152J

R 983 (B,142,73)
 R 984 (B,140,73)
 R 985 (B,142,68)
 R 986 (B,140,68)
 R 987 (B,132,85)

RS1/16S473J
 RS1/16S202J
 RS1/16S101J
 RS1/16S223J
 RS1/16S103J

R 630 (A,163,83) RD1/4PU271J
 R 631 (A,161,77) RD1/4PU471J
 R 632 (B,162,115) RS1/16S223J
 R 633 (B,170,103) RS1/16S223J
 R 634 (B,162,113) RS1/16S223J

R 991 (A,139,185)
 R 992 (A,125,180)
 R 993 (B,138,79)
 R 998 (B,269,121)

RD1/2PM391J
 RD1/2PM391J
 RS1/16S222J
 RS1/16S102J

CAPACITORS

R 640 (B,156,99) RS1/16S472J
 R 641 (B,149,106) RS1/16S822J
 R 642 (B,136,107) RS1/16S822J
 R 644 (B,153,103) RS1/16S103J
 R 645 (B,150,115) RS1/16S222J

C 111 (B,297,62) CKSRYB471K50
 C 112 (B,283,86) CKSRYB471K50
 C 113 (A,299,61) CEAT100M50
 C 114 (A,279,89) CEAT100M50
 C 121 (A,284,68) CFTNA223J50

R 646 (B,150,113) RS1/16S472J
 R 647 (B,145,114) RS1/16S103J
 R 648 (B,144,116) RS1/16S103J
 R 649 (B,142,119) RS1/16S473J
 R 650 (A,44,79) RD1/4PU222J

C 122 (A,284,72) CFTNA223J50
 C 123 (B,289,61) CCSRCH470J50
 C 124 (B,286,78) CCSRCH470J50
 C 125 (A,286,63) CFTNA103J50
 C 126 (A,283,76) CFTNA103J50

R 666 (B,39,76) RS1/16S1R0J
 R 670 (B,270,115) RS1/16S104J
 R 671 (B,267,114) RS1/16S472J
 R 672 (A,263,104) RD1/4PU103J
 R 673 (B,268,96) RS1/16S562J

C 127 (B,292,43) CCSRCH470J50
 C 128 (B,273,72) CCSRCH470J50
 C 151 (A,283,117) CFTNA274J50
 C 152 (A,303,91) CFTNA274J50
 C 153 (A,287,102) CFTNA154J50

R 674 (B,253,110) RS1/16S472J
 R 675 (B,251,110) RS1/16S222J
 R 676 (A,265,97) RD1/4PU221J
 R 831 (A,304,63) RD1/4PU683J
 R 832 (A,307,62) RD1/4PU683J

C 154 (A,301,97) CFTNA154J50
 C 171 (A,289,173) CFTNA273J50
 C 172 (A,300,174) CFTNA273J50
 C 173 (A,310,202) CEANP4R7M50
 C 181 (A,298,200) CFTNA224J50

R 901 (B,140,62) RS1/16S124J
 R 921 (B,139,46) RS1/16S472J
 R 922 (B,139,42) RS1/16S472J
 R 923 (A,147,47) RD1/4PU332J
 R 924 (A,158,31) RD1/4PU332J

C 182 (A,300,194) CFTNA224J50
 C 184 (A,315,199) CEANP4R7M50
 C 551 (A,239,84) CEAT101M16
 C 552 (A,232,136) CEAT101M16
 C 553 (B,236,90) CCSRCH680J50

R 931 (A,95,38) RD1/2PM121J
 R 932 (A,141,31) RD1/2PM121J
 R 933 (A,80,38) RD1/2PM121J
 R 934 (A,125,38) RD1/2PM121J
 R 935 (A,65,38) RD1/2PM121J

C 554 (B,227,130) CCSRCH680J50
 C 555 (B,218,84) CKSRYB471K50
 C 556 (B,212,136) CKSRYB471K50
 C 559 (A,210,91) CEAT221M10
 C 560 (A,229,125) CEAT221M10

R 936 (A,111,38) RD1/2PM121J
 R 941 (A,72,65) RD1/2PM220J
 R 942 (A,124,54) RD1/2PM220J
 R 951 (A,139,197) RD1/4PU103J
 R 952 (A,112,190) RD1/4PU103J

C 561 (B,208,86) CCSRCH150J50
 C 562 (B,222,127) CCSRCH150J50
 C 563 (B,228,70) CCSRCH470J50
 C 564 (B,244,158) CCSRCH470J50
 C 565 (A,230,65) CFTNA223J50

R 953 (A,142,198) RD1/2PM470J
 R 954 (A,118,201) RD1/2PM470J
 R 961 (A,115,109) RD1/2PM220J

C 566 (A,218,157) CFTNA223J50

	5		6		7		8	
	<u>Circuit Symbol and No.</u>		<u>Part No.</u>					
	C 567	(A,38,201)	CFTNA333J50					
	C 568	(A,26,155)	CFTNA333J50					
	C 569	(A,31,203)	CQHA102J2A					
	C 570	(A,26,144)	CQHA102J2A					A
	C 571	(B,238,67)	CCSRCH220J50					
	C 572	(B,244,161)	CCSRCH220J50					
	C 573	(B,216,66)	CCSRCH220J50					
	C 574	(B,214,151)	CCSRCH220J50					
	C 575	(B,239,63)	CCSRCH220J50					
	C 576	(B,244,163)	CCSRCH220J50					
	C 577	(B,218,63)	CCSRCH220J50					
	C 578	(B,213,153)	CCSRCH220J50					
	C 581	(A,279,44)	CFTNA103J50					
	C 582	(A,268,195)	CFTNA103J50					B
	C 650	(A,136,86)	CEAT220M25					
	C 651	(A,174,77)	CEAT471M16					
	C 652	(A,171,114)	CFTNA103J50					
	C 653	(A,158,117)	CFTNA103J50					
	C 671	(A,175,102)	CEAT101M16					
	C 672	(A,171,118)	CFTNA103J50					
	C 673	(A,143,109)	CEAT100M50					
	C 674	(A,141,103)	CEAT100M50					
	C 675	(A,166,101)	CFTNA103J50					
	C 676	(A,133,119)	CFTNA103J50					
	C 677	(A,25,86)	CFTNA224J50					C
	C 681	(A,271,118)	CEANP221M10					
	C 691	(A,178,94)	CEAT220M25					
	C 831	(A,311,38)	CEAT100M50					
	C 832	(A,301,38)	CEAT100M50					
	C 903	(A,149,67)	CEAT2R2M50					
	C 941	(A,66,98) 3900µF/16V	CCH1644(P35)					
	C 942	(A,67,81) 3900µF/16V	CCH1644(P35)					
	C 943	(A,70,50)	CQHA472J2A					
	C 944	(A,129,49)	CQHA472J2A					
	C 951	(A,150,193)	CQHA102J2A					
	C 952	(A,123,199)	CQHA102J2A					D
	C 953	(A,157,194)	CEAT470M16					
	C 954	(A,128,191)	CEAT470M16					
	C 955	(A,134,191)	CEAT470M25					
	C 956	(A,114,195)	CEAT470M25					
	C 957	(A,62,132) 2200µF/50V	CCH1647(P35)					
	C 958	(A,42,132) 2200µF/50V	CCH1647(P35)					
	C 959	(A,62,153) 2200µF/50V	CCH1647(P35)					
	C 960	(A,42,152) 2200µF/50V	CCH1647(P35)					
	C 962	(A,109,122)	CQHA102J2A					
	C 970	(A,172,61)	CFTNA103J50					
	C 971	(A,132,64)	CFTNA564J50					E
	C 972	(A,167,64)	CEAT101M16					
	C 973	(A,151,74)	CQHA102J2A					
	C 974	(A,144,72)	CEAT221M16					
	C 975	(A,132,74)	CEANP470M16					
	C 980	(A,144,53)	CFTNA103J50					
	C 991	(A,145,179)	CEAT471M50(P45)					
	C 992	(A,120,177)	CEAT471M50(P45)					
	C 993	(A,135,173)	CQHA102J2A					
	C 994	(A,130,173)	CQHA102J2A					
	C 999	(B,248,126)	CKSRYB224K16					F