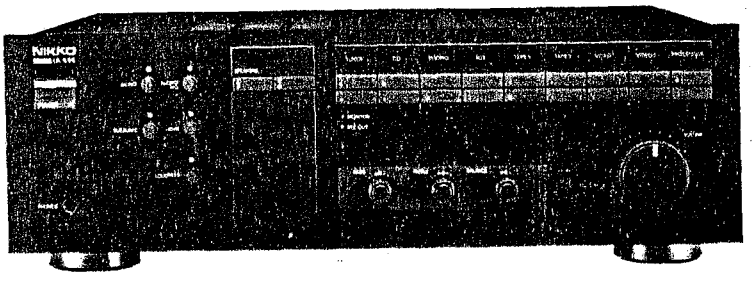
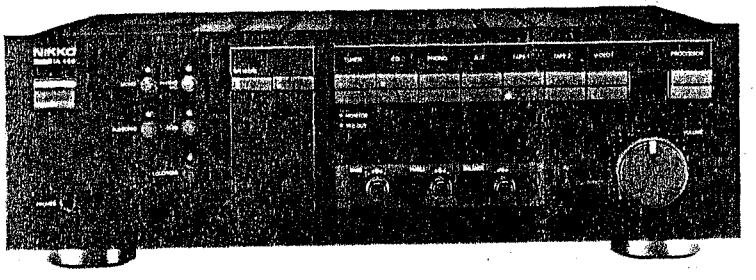
NIKKO AMPLIFIER

IA 600
IA 400

INTEGRATED AMPLIFIER





SERVICE MANUAL

CONTENTS

SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

1. Parts identified by the ⚠ symbol parts are critical for safety. Replace only with same parts number specified.
2. Other parts and assemblies are specified to conform with such regulations as those applying to spurious radiation.
   These must also be replaced only with specified replacements.

   Examples: RF converters, tuner units, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring
   a) Primary leads
   b) Wires covered with PVC tubing
   c) Double insulated wire
4. Use specified insulating materials for hazardous live parts.
   a) Insulation Tape
   b) Insulated Barriers (Spacers)
   c) PVC tubing
   d) Plastic screws for fixing microswitch (Especially in turntable)
   e) Terminal strips
5. When replacing the primary components (transformer, power supply cord switch, by-pass capacitor, etc.), wrap ends of wires securely about the terminals before soldering.

   Where hand soldering is involved, a minimum spacing below between terminals of uninsulated live parts of primary or supply circuitry through air or over surface is to be maintained.

   120V appliance : 3mm spacing min.
   220V and 240V appliance : 6mm spacing min.
6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal resistance, rectifiers, etc.)
7. Check that replaced wires do not contact sharp edges or pointed parts.
8. Do not leave electric conductive parts (screws, droplets, etc.) inside the appliance.

SAFETY RECHECK AFTER SERVICING

Confirm the specified insulation resistance between power plug prongs and externally exposed parts of the appliance is greater than 10Mohms, however, for equipment with external antenna terminals (tuner, receiver, etc.) specified insulation resistance should be more than 2.2Mohms (ground terminals, in-output jacks etc.).

SPECIFICATIONS

Amplifier Section

Rated Power Output

Min. RMS power per channel into 8 ohms from 20Hz to 20kHz at 0.01% T.H.D., both channels driven ..... 120W+120W (IA 600)

Min. RMS power per channel into 8 ohms from 20Hz to 20kHz at 0.009% T.H.D., both channels driven ..... 80W+80W (IA 400)

Both Channels Driven
at 4 ohms, 1kHz, (DIN) ..... 210W+210W (IA 600)
130W+130W (IA 400)

Dynamic Power Output
8 ohms ..... 170W (IA 600)
120W (IA 400)
6 ohms ..... 210W (IA 600)
150W (IA 400)
4 ohms ..... 270W (IA 600)
180W (IA 400)

Dynamic Headroom ..... 1.5dB (IA 600)
1.76 dB (IA 400)

Power Bandwidth (T.H.D. 0.03%) ..... 10Hz to 60kHz

Damping Factor (8 ohms) ..... 140 (IA 600)
120 (IA 400)

Total Harmonic Distortion
PHONO to REC OUT 1kHz
MM 0.003%
MC 0.003%
CD (1kHz at 120W) ..... 0.003% (IA 600)
(1kHz at 80W) ..... 0.003% (IA 400)

Input Sensitivity/Impedance
PHONO MM 2.5mV/47kohms
MC 0.25mV/100ohms
CD 140mV/47kohms
TUNER 140mV/47kohms
VIDEO 140mV/47kohms
TAPE 140mV/47kohms

Signal-to-Noise Ratio (IHF-A network)
PHONO MM (INPUT 5mV) 94dB
MC (INPUT 0.5mV) ..... 81dB (IA 600)
80dB (IA 400)
CD, TUNER, TAPE 105dB
MAIN IN ..... 125dB (IA 600)
120dB (IA 400)

PHONO Overload level at 1kHz (0.1% T.H.D.)
MM 150mV
MC 15mV

Frequency Response
PHONO (RIAA, REC OUT 150mV)
MM ..... 20Hz to 20kHz + 0dB, −1.5dB
MC ..... 20Hz to 20kHz + 0dB, −1.5dB
CD (at 1W) ..... 5Hz to 100kHz + 0dB, −1.5dB

Tone Controls
BASS ..... ±10dB (100Hz)
TREBLE ..... ±10dB (10kHz)

SUBSONIC FILTER ..... 15Hz, −12dB/oct.

General

Power Require
U.S.A. & Canada ..... AC 120V, 60Hz
Europe ..... AC 220V, 50Hz

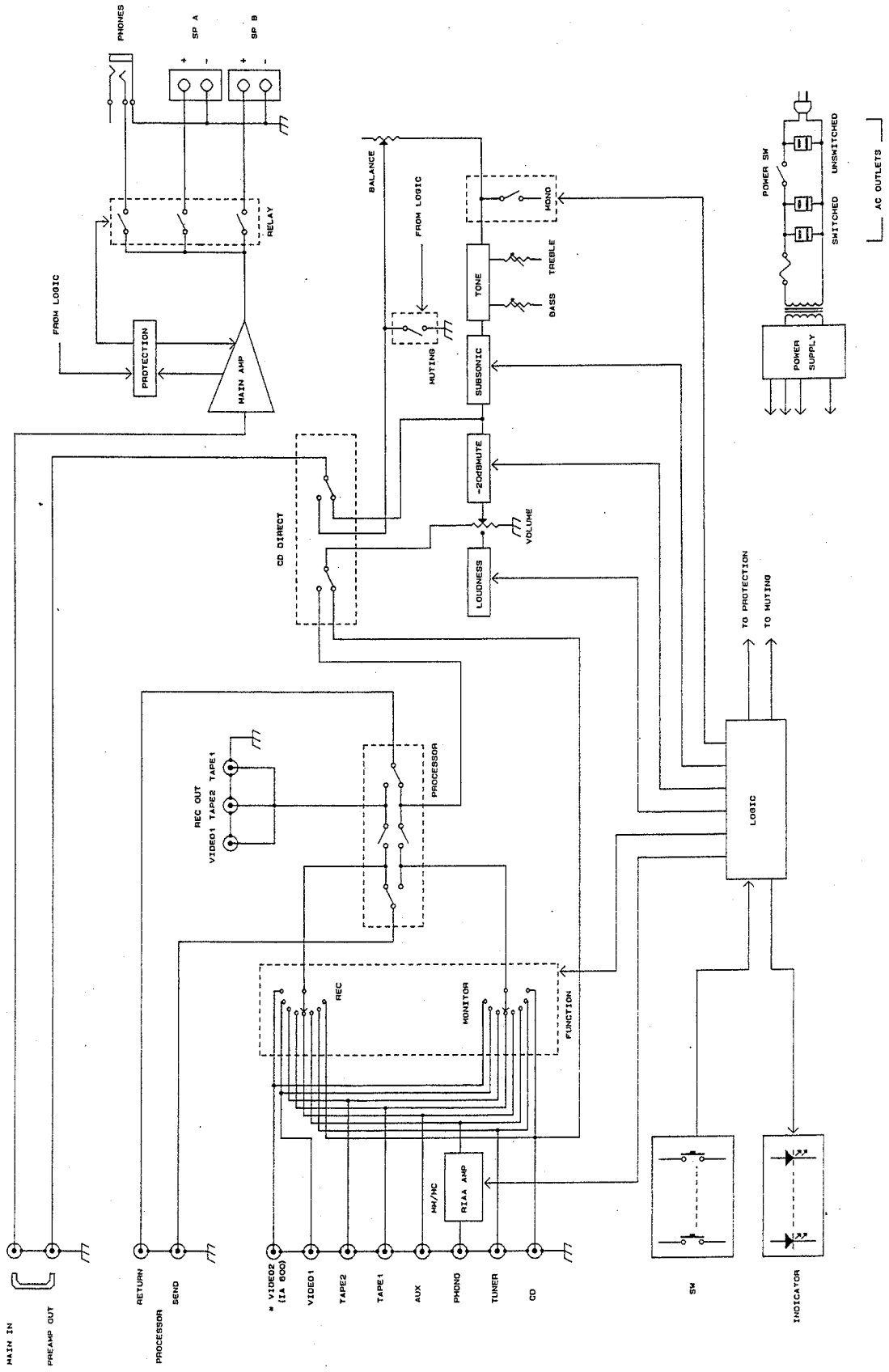
Power Consumption
U.S.A. & Canada ..... 360W, 480VA (IA 600)
300W, 400VA (IA 400)

Dimensions ..... 442(W)x146(H)x413(D)mm
(17-2/5" x 5-3/4" x 16-1/4")

Weight 14.5kg (32lbs)

* Specifications are subject to change without notice.

BLOCK DIAGRAM



ALIGNMENT

TEST EQUIPMENTS

Allow a minimum of 10 minutes warm-up for test equipment.
Maintain rated line voltage.

Audio Frequency Generator
Distortion Meter
Oscilloscope
AC Voltmeter
DC Voltmeter

IDLING CURRENT ADJUSTMENT

1. Connect the DC voltmeter to the test points.
2. Turn the VOLUME control knob down to the fully counter clockwise.
3. Turning on the power button of the IA600/400.
4. Allow a minimum of 1 minute warm-up for the amplifier.
5. Adjust the trimmer potentiometer VR503 (left channel) or VR504 (right channel) so that the DC voltmeter indicates 10mV±1mV.
6. Turn off the power button of the IA600/400 and remove the DC voltmeter.

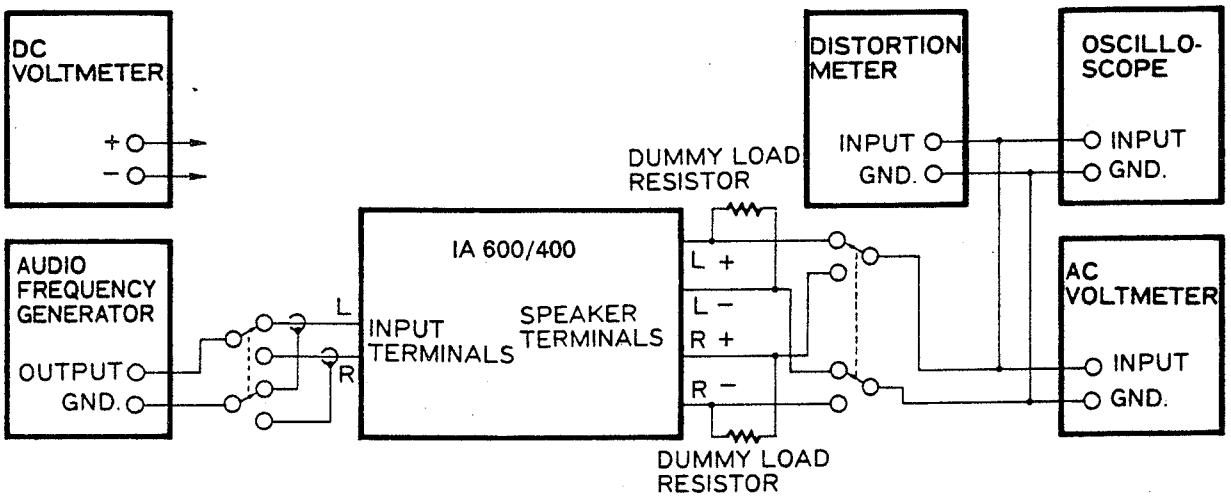


Figure 1 Test Equipment Hook-Up

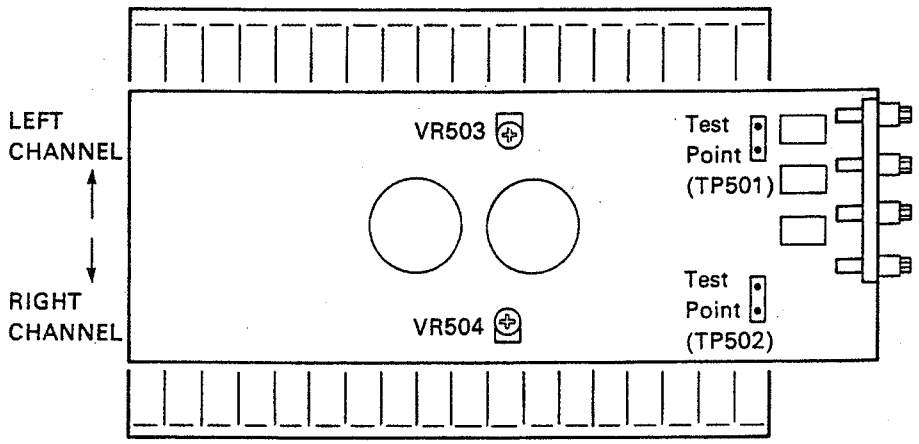
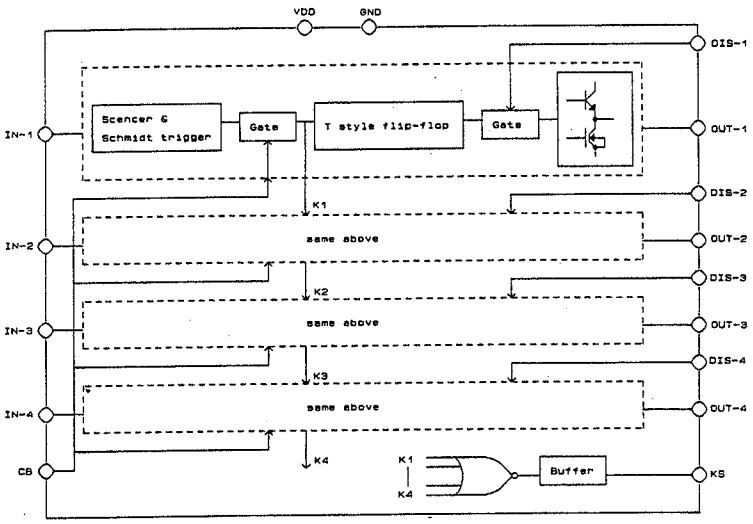


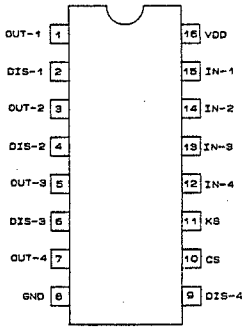
Figure 2 Adjustment Points

CIRCUITS DATA

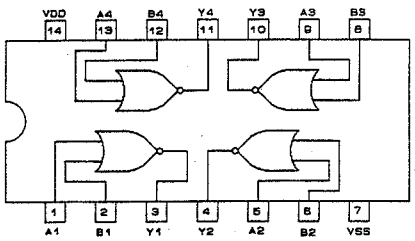
INTEGRATED CIRCUIT TC9130P
Quad T-style Flip-Flop/TOSHIBA

TC9130P

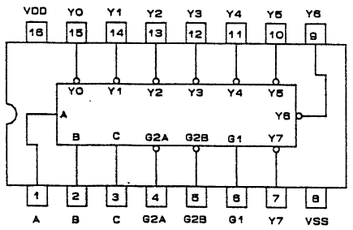




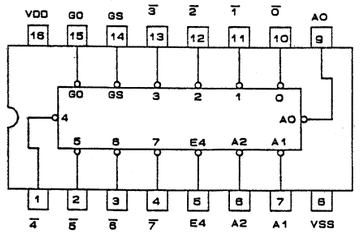
INTEGRATED CIRCUIT µPD4001BC
Quad 2-Input NOR Gate/NEC



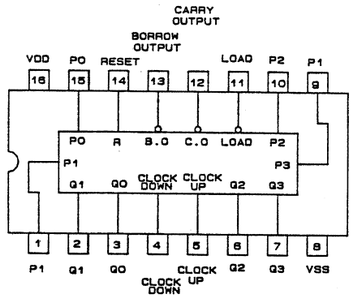
INTEGRATED CIRCUIT µPD74HC138C
3-to-8 Line Decoder/NEC



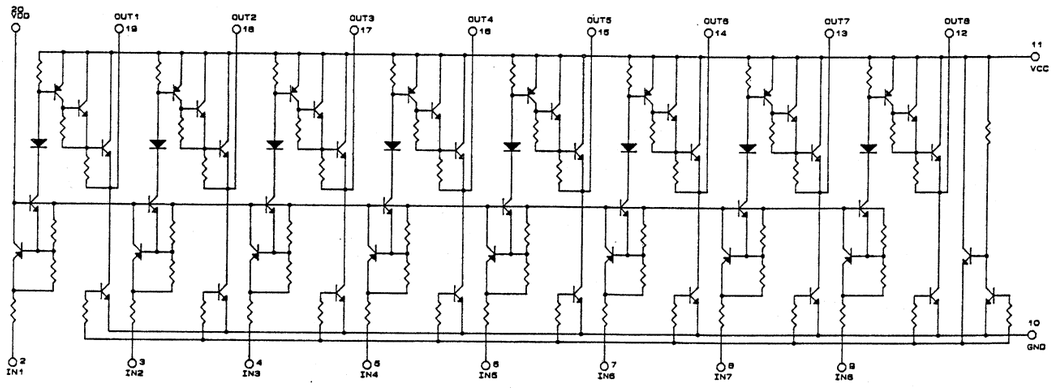
INTEGRATED CIRCUIT µPD74HC148C
8-to-3 Line Priority Encoder/NEC



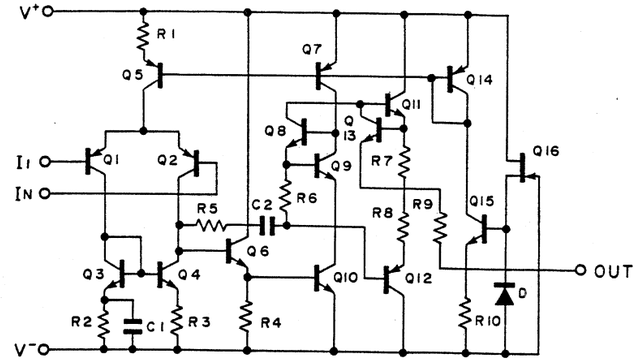
INTEGRATED CIRCUIT µPD74HC192C
Up/Down Decode Counter/NEC

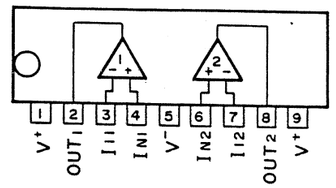


INTEGRATED CIRCUIT LB1245
FL Tube Driver/SANYO



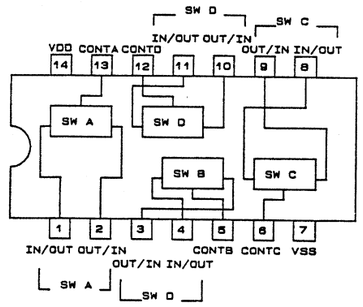
INTEGRATED CIRCUIT µPC4570HA
Dual Op.Amp./NEC



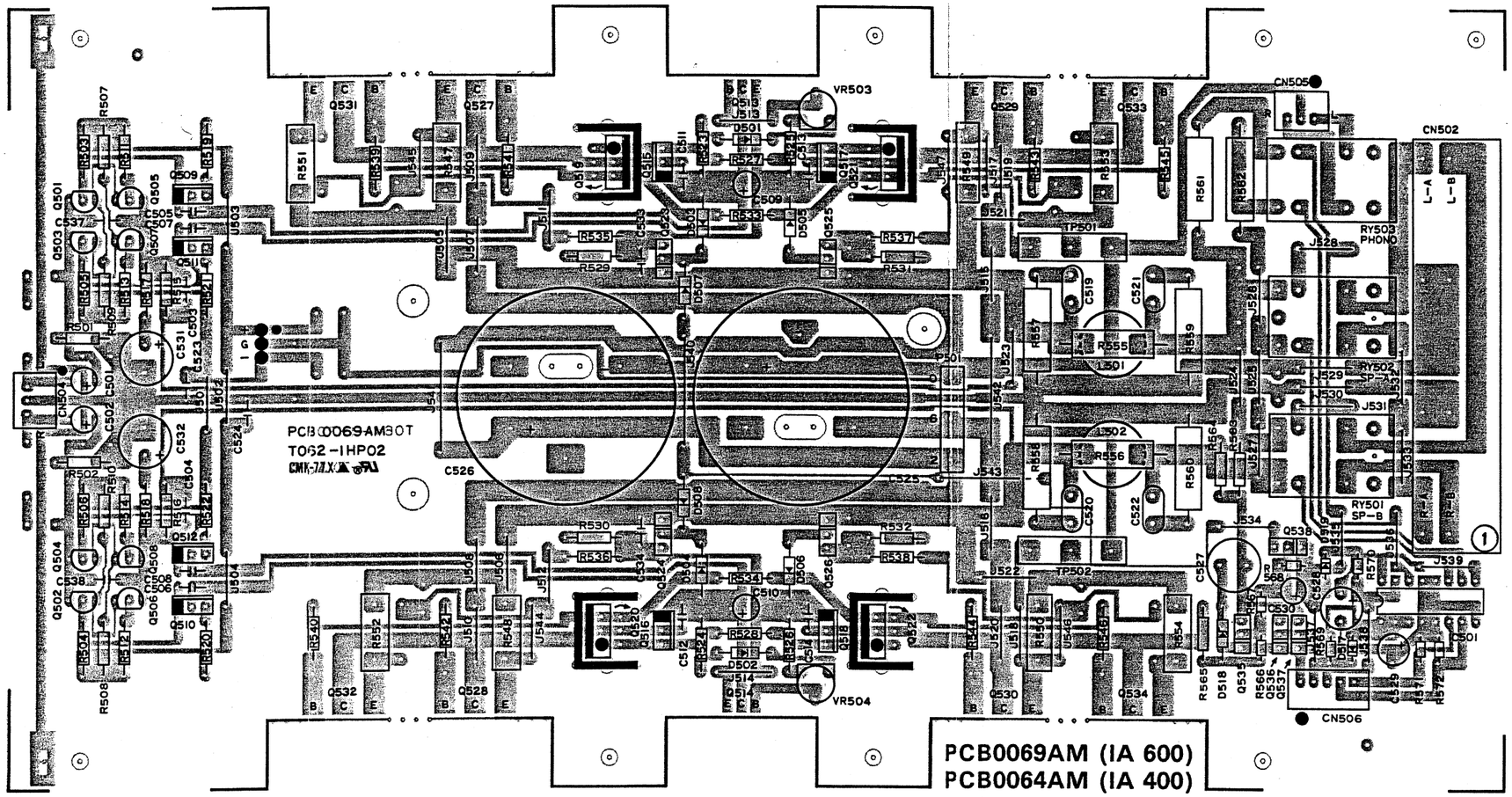


(SIDE VIEW)

INTEGRATED CIRCUIT LC4966
Quad Bilateral Switch/SANYO

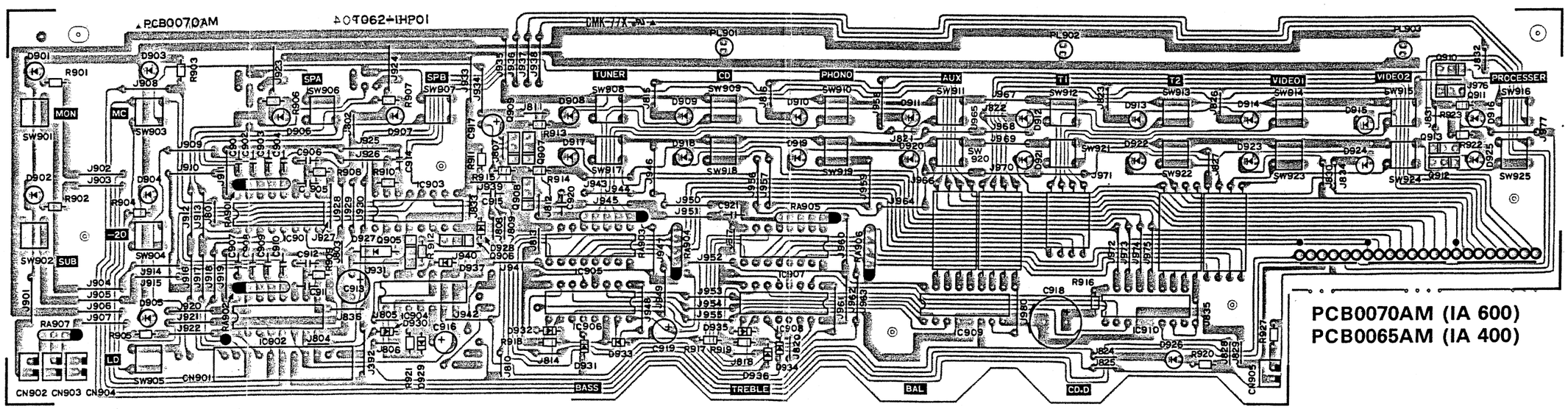


PCB MAIN PCB

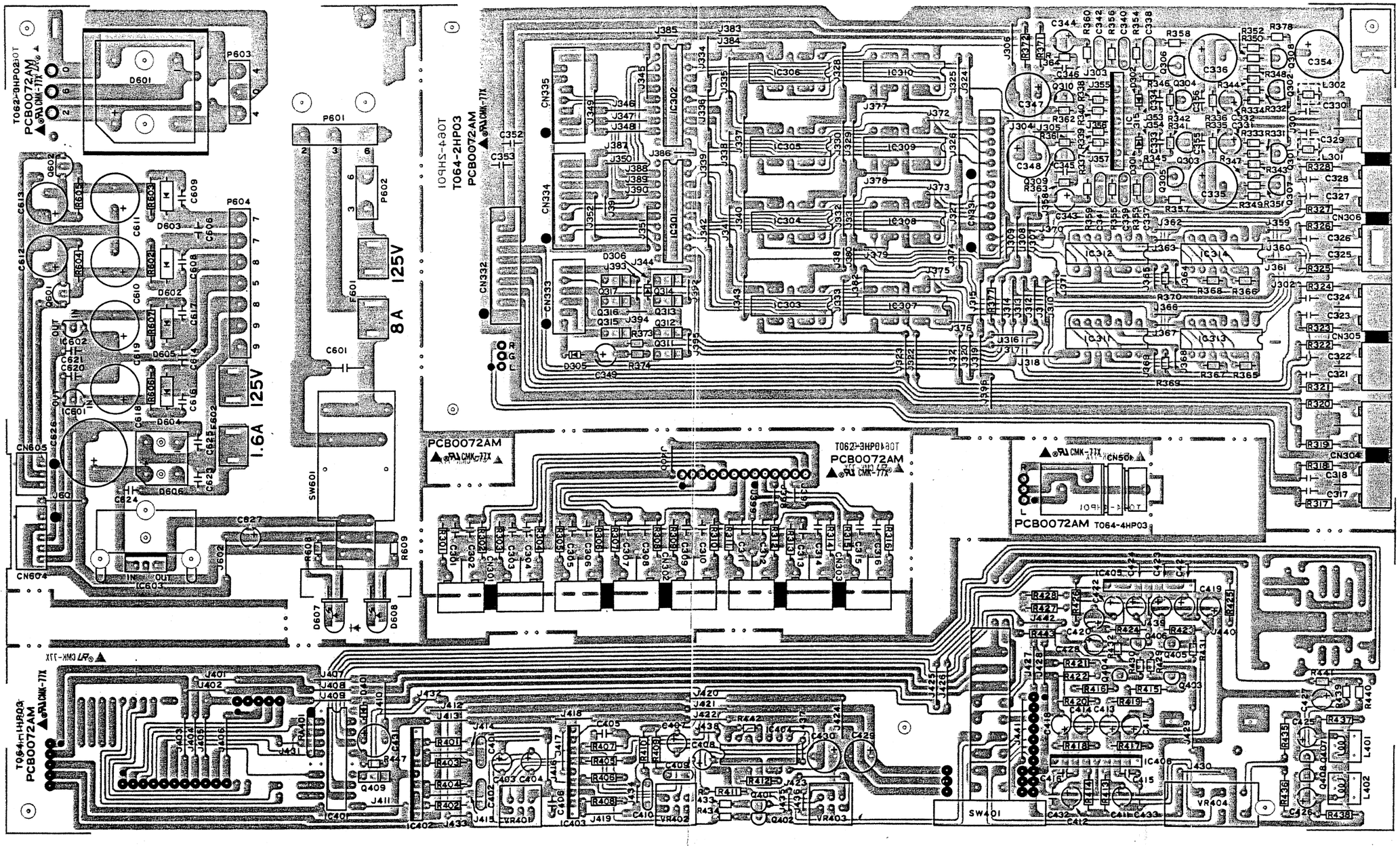


LED PCB PCB0049AM

SW PCB



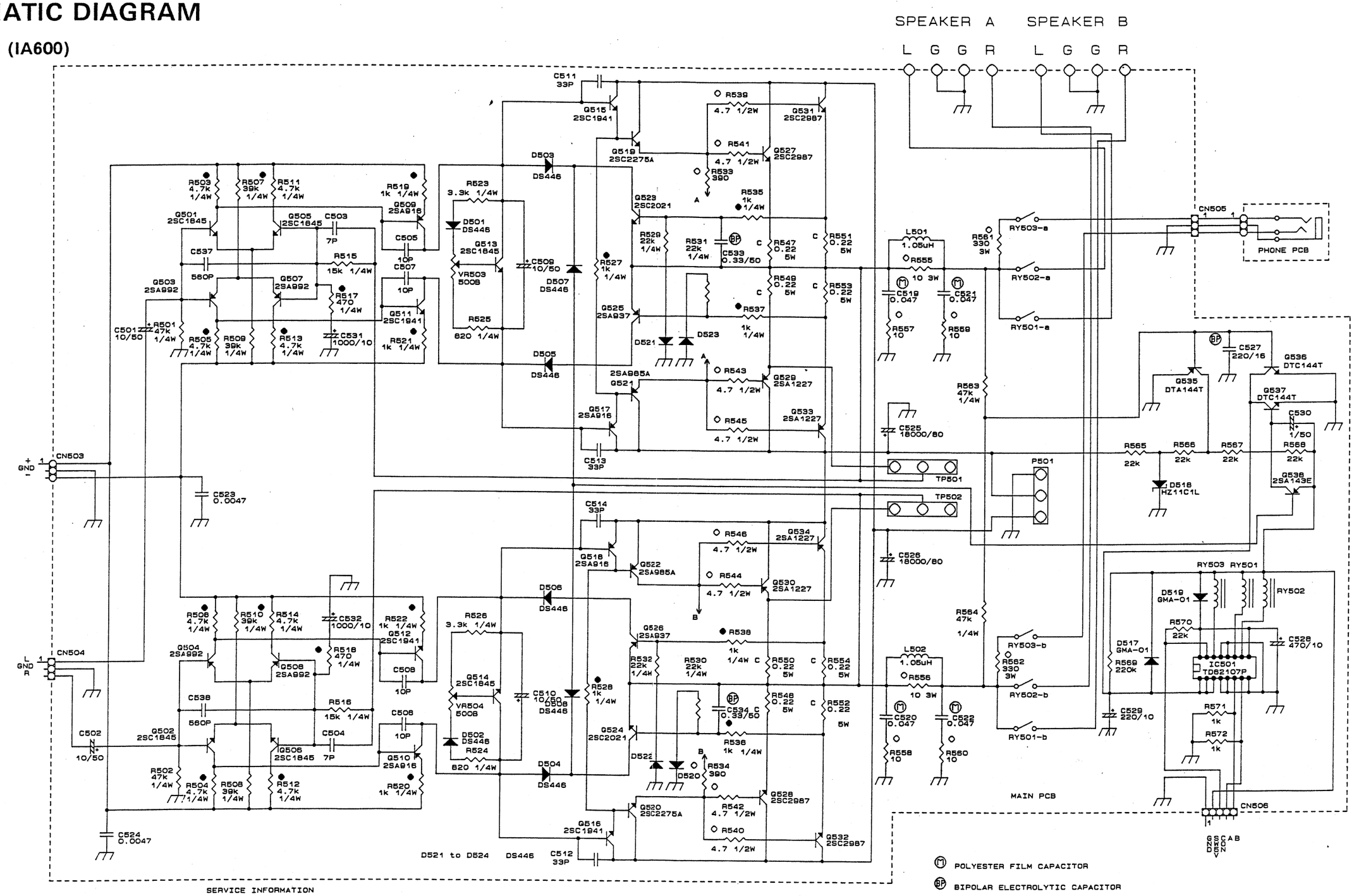
SUB PCB



PCB0072AM (IA 600 W/C)
PCB0073AM (IA 600 E/V)
PCB0067AM (IA 400 W/C)
PCB0068AM (IA 400 E/V)

SCHEMATIC DIAGRAM

MAIN PCB (IA600)



SERVICE INFORMATION

CAUTION: REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

1. EACH PRECAUTION TO BE FOLLOWED DURING SERVICING.
2. ⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURERS RECOMMENDED PARTS.
3. BEFORE RETURNING THIS APPLIANCE TO THE CUSTOMER, YOU MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

Ⓜ POLYESTER FILM CAPACITOR

Ⓑⓟ BIPOLAR ELECTROLYTIC CAPACITOR

○ METAL OXIDE FILM FIXED RESISTOR

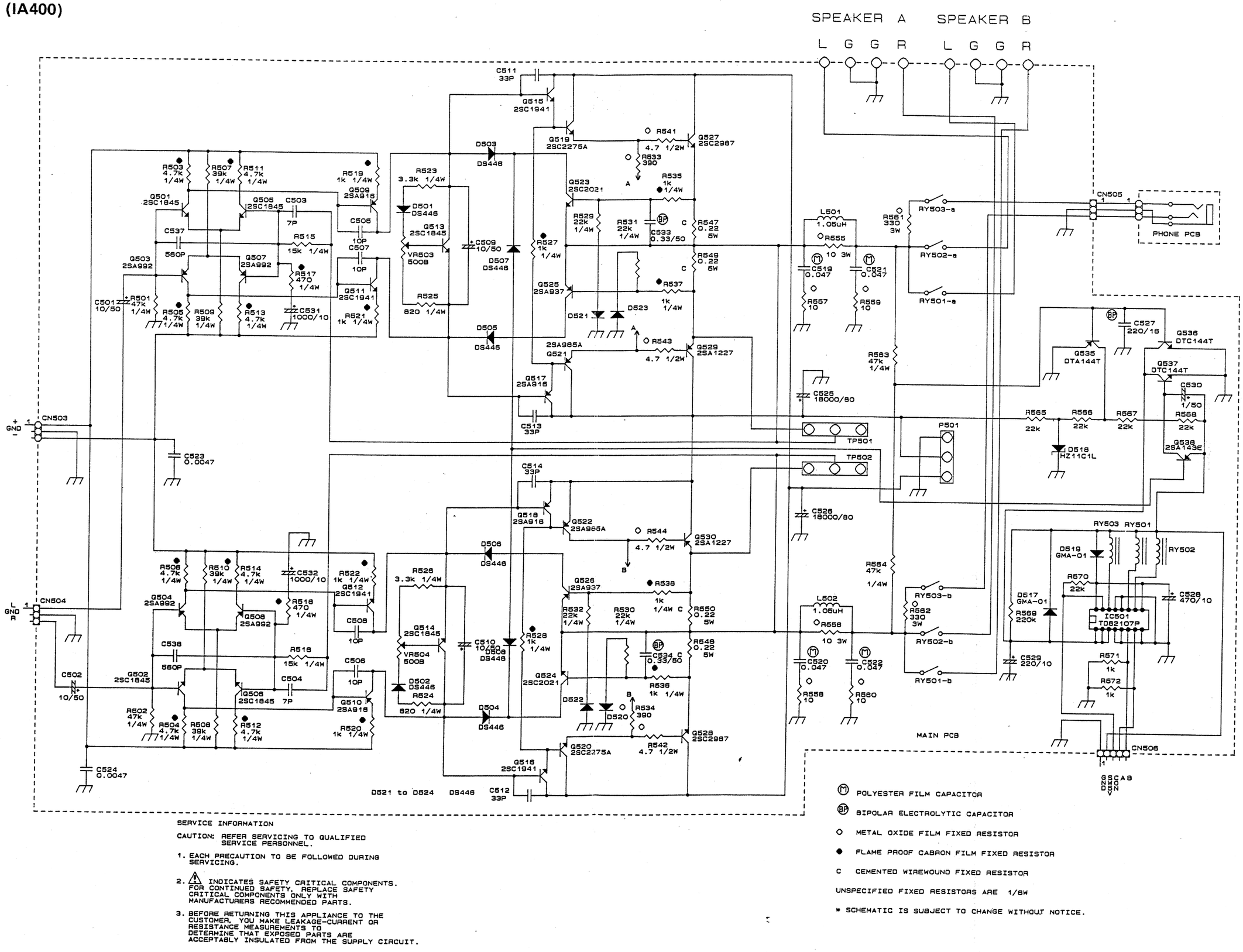
● FLAME PROOF CABRON FILM FIXED RESISTOR

C CEMENTED WIREWOUND FIXED RESISTOR

UNSPECIFIED FIXED RESISTORS ARE 1/6W

* SCHEMATIC IS SUBJECT TO CHANGE WITHOUT NOTICE.

MAIN PCB (IA400)



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● FLAME PROOF CABRON FILM FIXED RESISTOR

C CEMENTED WIREWOUND FIXED RESISTOR

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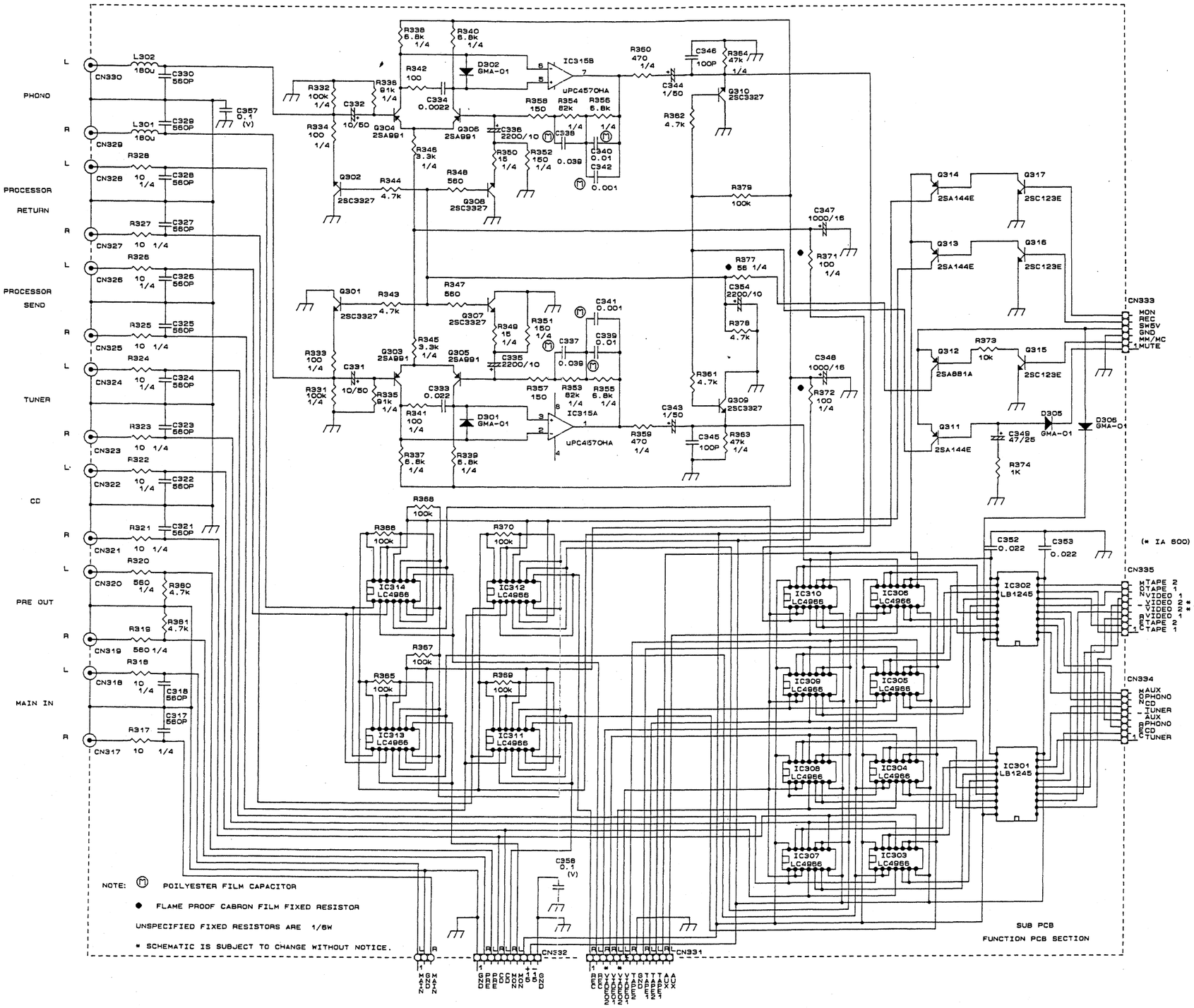
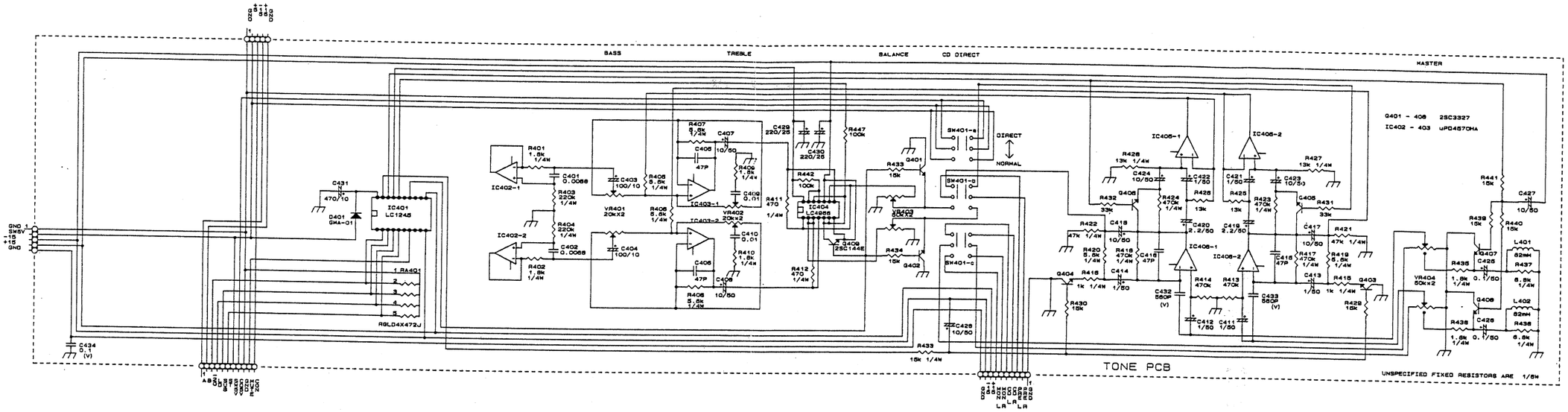
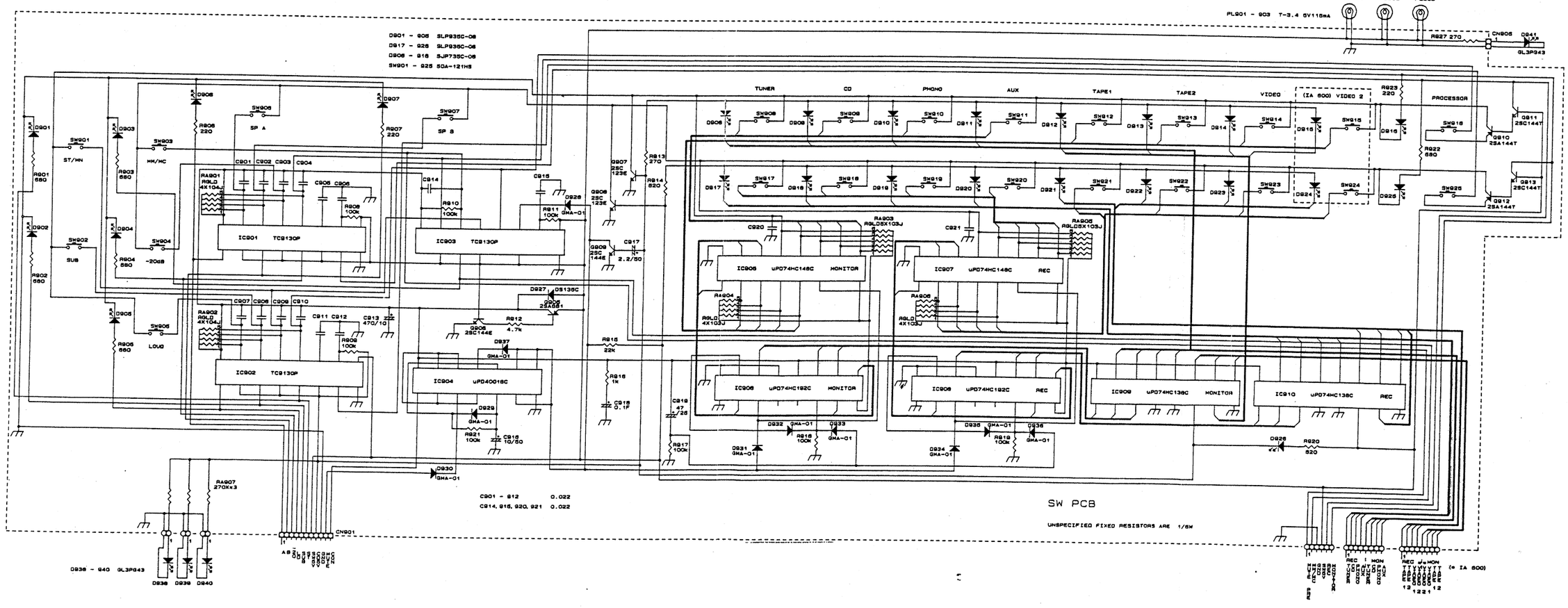
FUNCTION PCB (IA600, IA400)



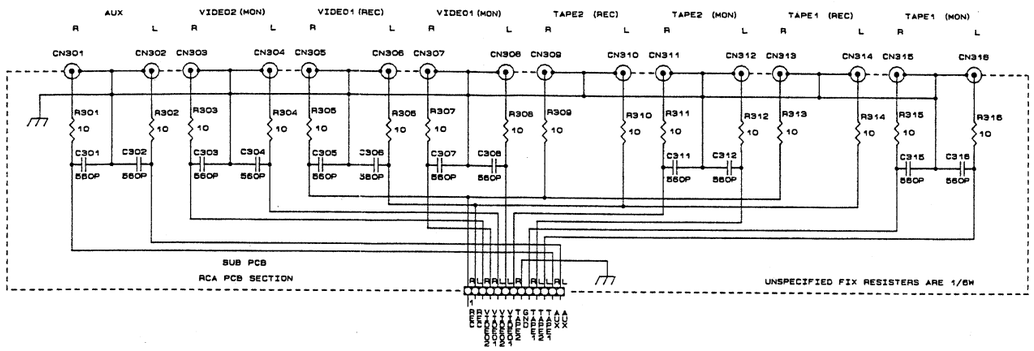
TONE PCB (IA600, IA400)



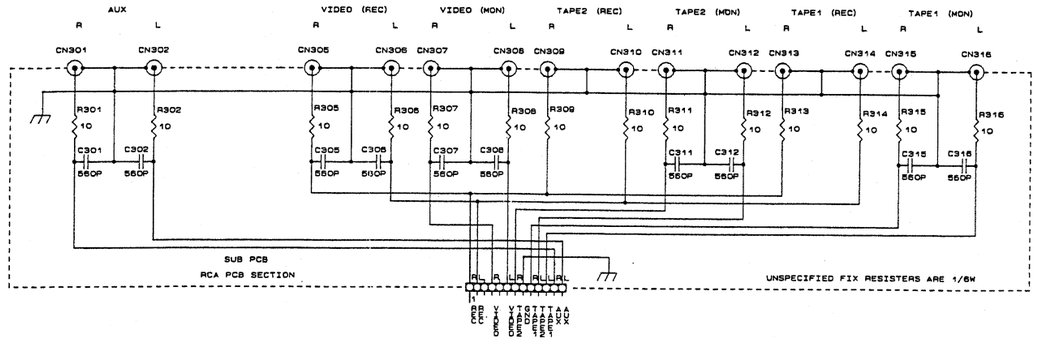
SW PCB (IA600, IA400)



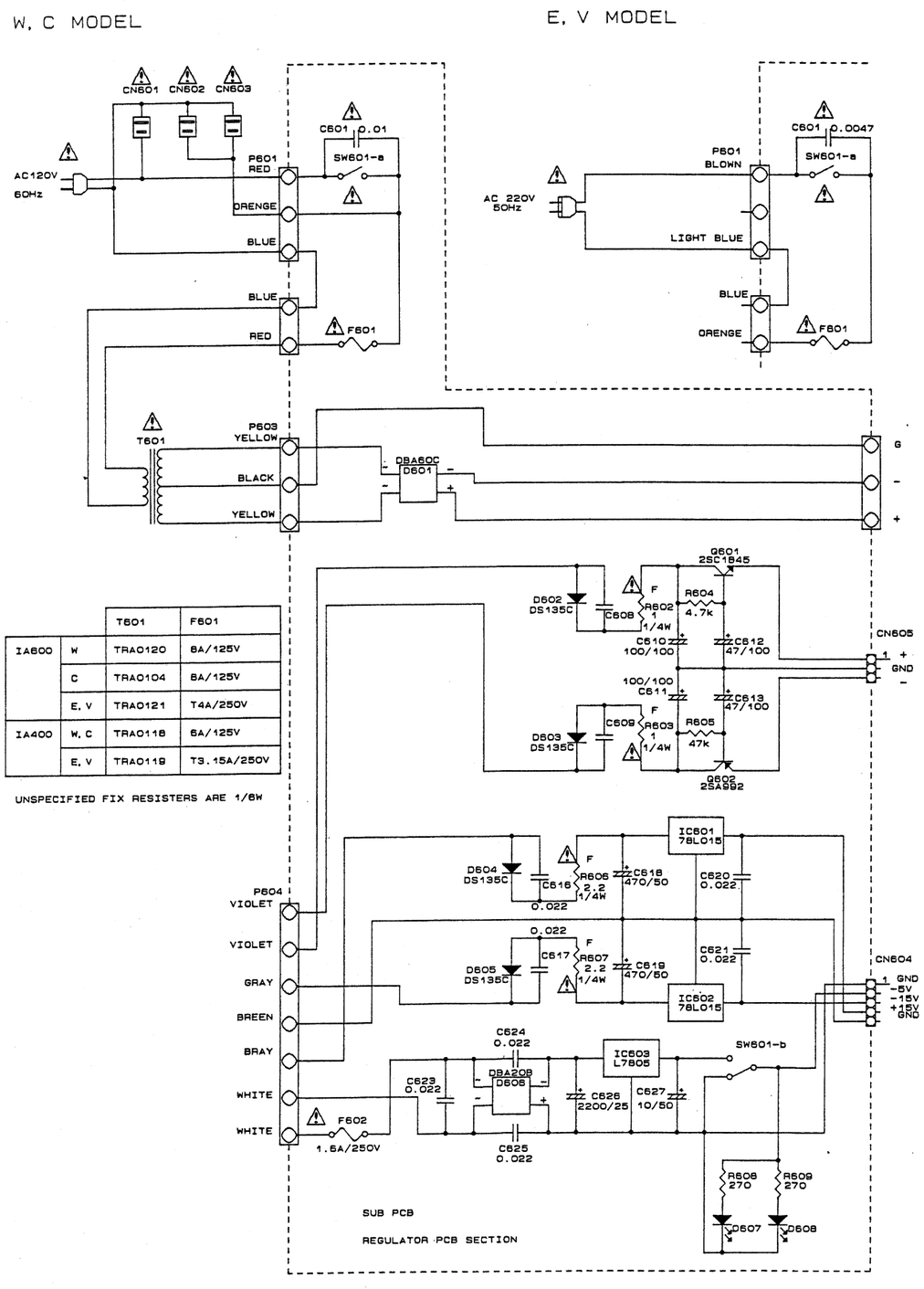
RCA PCB (IA600)



RCA PCB (IA400)



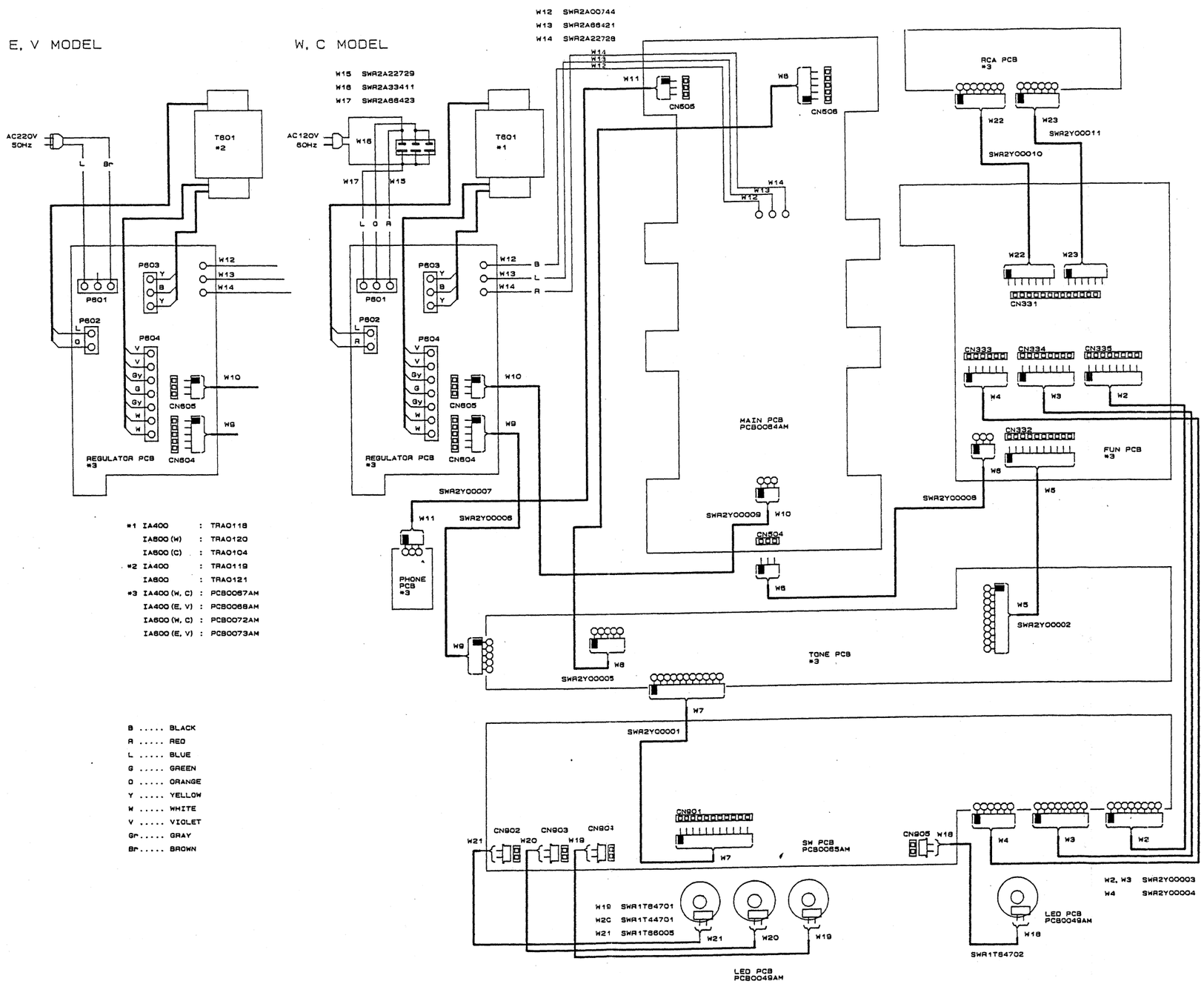
REGULATOR PCB (IA600, IA400)



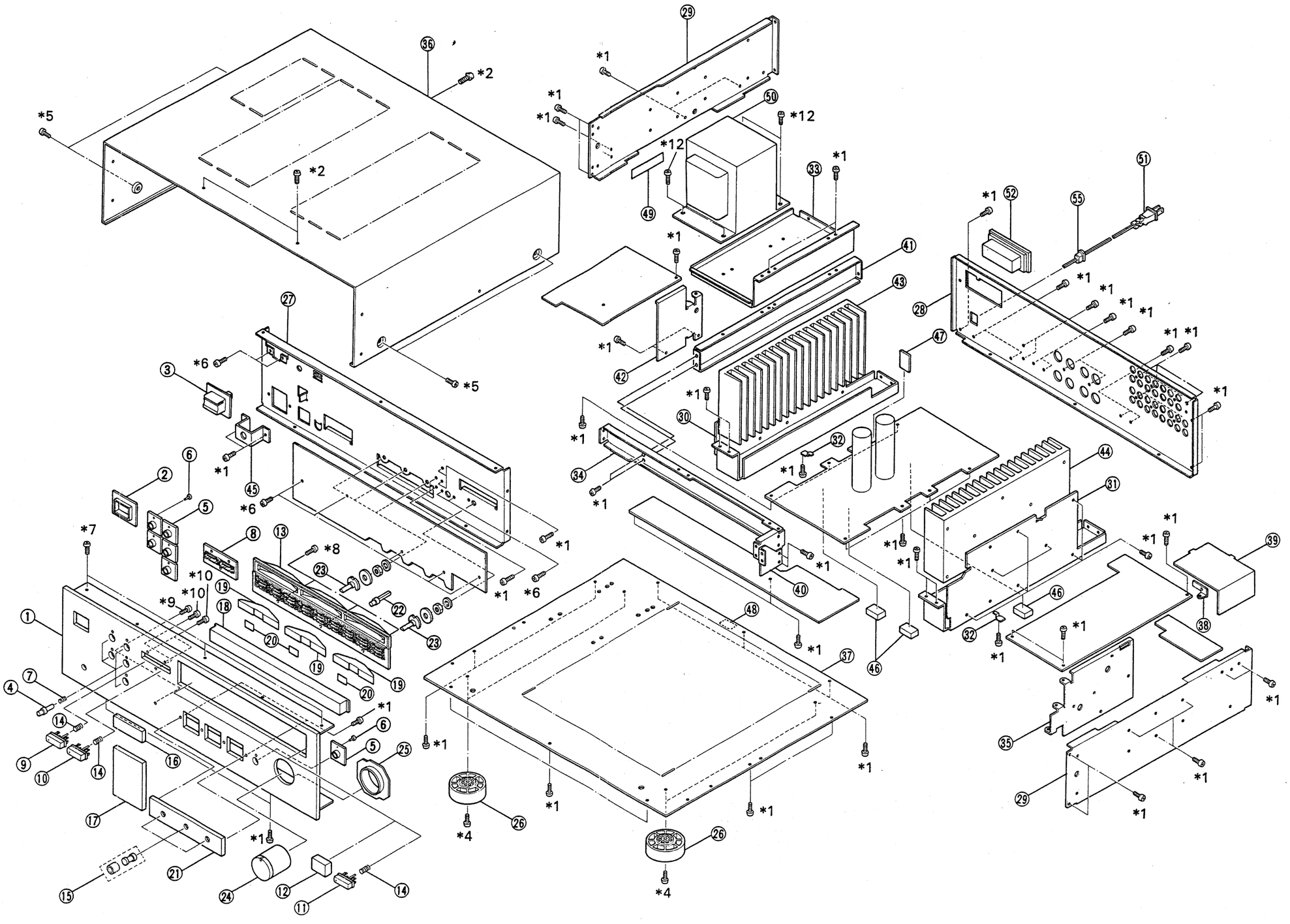
		T601	F601
IA600	W	TRA0120	6A/125V
	C	TRA0104	6A/125V
	E, V	TRA0121	T4A/250V
IA400	W, C	TRA0118	6A/125V
	E, V	TRA0119	T3.15A/250V

UNSPECIFIED FIX RESISTERS ARE 1/6W

WIRING DIAGRAM



EXPLODED VIEWS



PARTS LIST

NOTES:

1. \+ Numerals in file indicate the quantity of parts used in one type.
   - W ..... AC 120V 60Hz, U.S.A. Model
   - C ..... AC 120V Canada Model
   - E ..... AC 220V 50Hz European Model
   - V ..... AC 220V 50Hz West Germany Model
2. TR: Transistor
   - FET: Field effect transistor
   - RES: Carbon film fixed resistor
   - MO-RES: Metal oxide film fixed resistor
   - FP-RES: Flame proof carbon film fixed resistor
   - F-RES: Fuse resistor
   - POT: Trimmer potentiometer
   - VR: Variable resistor
   - C-CAP: Ceramic capacitor
   - E-CAP: Aluminum electrolytic capacitor
   - M-CAP: Polyester film capacitor
   - P-CAP: Polypropylene film capacitor
   - BP-CAP: Bipolar electrolytic capacitor
   - T-CAP: Tantalum electrolytic capacitor
3. Assemblies and parts are subject to change without notice.
4. Parts ordering procedure:
   - A. DO NOT USE THE "REFERENCE" number and "SYMBOL" number. (these are control numbers for the factory only)
   - B. Include in any order
     a. Part number. b. Part description. c. Model number.
     (any of the above lacking from an order may delay shipment of that order.)

WARNING

⚠ INDICATES SAFETY CRITICAL COMPONENTS.
FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
	PACKING & ACCESORIES										
		1	1	1	1	-	-	-	-	CARTON BOX IA600	PAC10173
		-	-	-	-	1	1	1	1	CARTON BOX IA400	PAC10172
		1	1	1	1	1	1	1	1	STYROL PAD SET	PAC30050
		1	1	1	1	1	1	1	1	POLY SACK #13	PAC40022
		1	1	1	1	-	-	-	-	OWNERS MANUAL IA600	MNL047AM
		-	-	-	-	1	1	1	1	OWNERS MANUAL IA400	MNL046AM
		1	-	-	-	1	-	-	-	WARRANTY CARD	MNL001ZZ
		-	1	-	-	-	1	-	-	WARRANTY CARD	MNL004ZZ
		-	-	1	1	-	-	1	1	WARRANTY CARD	MNL013ZZ
		1	-	-	-	1	-	-	-	SERVICE STATION LIST	MNL012ZZ
	CABINET & CASSIS ASSENBLY										
1-a		1	1	1	1	-	-	-	-	FRONT PANEL IA600	PRSA01840
1-b		-	-	-	-	1	1	1	1	FRONT PANEL IA400	PRSA01830
2		1	1	1	1	1	1	1	1	BUTTON GUIDE AM1	INJP04590
3		1	1	1	1	1	1	1	1	POWER BUTTON ASS'Y (IA)	NOBP013
4		5	5	5	5	5	5	5	5	BUTTON DT1	INJP04860
5		1	1	1	1	1	1	1	1	BUTTON GUIDE (C)	INJP04870
6		6	6	6	6	6	6	6	6	FUNCTION INDICATOR	PLTP005
7		5	5	5	5	5	5	5	5	SPRING	SPR1T011
8		1	1	1	1	1	1	1	1	BUTTON GUIDE (A)	INJP03600
9		1	1	1	1	1	1	1	1	FUNCTION BUTTON (A) ASS'Y	NOBP014
10		1	1	1	1	1	1	1	1	FUNCTION BUTTON (B) ASS'Y	NOBP015
11		18	18	18	18	16	16	16	16	FUNCTION BUTTON (C) ASS'Y	NOBP016
12		-	-	-	-	1	1	1	1	DUMMY BUTTON	INJP04720
13		1	1	1	1	1	1	1	1	BUTTON GUIDE (B)	INJP03650
14		20	20	20	20	18	18	18	18	SPRING	SPR1T009
15		3	3	3	3	3	3	3	3	KNOB VR1 ASS'Y	INJZ00020
16-a		1	1	-	-	1	1	-	-	FACING PANEL (A) IA400	PRSA01810
16-b		-	-	1	1	-	-	1	1	KNOB PROTECT U2	PRSA01760
17		1	1	1	1	1	1	1	1	FACING PANEL (B)	PRSA01820
18-a		1	1	1	1	-	-	-	-	PANEL WINDOW IA600	PLTP012
18-b		-	-	-	-	1	1	1	1	PANEL WINDOW IA400	PLTJ006
19		3	3	3	3	3	3	3	3	WINDOW LENS	PLTJ007
20		3	3	3	3	3	3	3	3	DIFFUSER	PRSP00250
21		1	1	1	1	1	1	1	1	KONB PANEL 550	INJP04850
22		1	1	1	1	1	1	1	1	BUTTON	INJP03670
23		4	4	4	4	4	4	4	4	LED HOLDER	INJP04570
24		1	1	1	1	1	1	1	1	KNOB VR3 ASS'Y	NOBP017
25		1	1	1	1	1	1	1	1	KNOB GUIDE VR3	INJP04820
26		4	4	4	4	4	4	4	4	FOOT ASS'Y	ASIP014
27		1	1	1	1	1	1	1	1	FRONT PLATE	PRST05440
28-a		1	1	-	-	-	-	-	-	BACK PLATE IA600 (W)	PRST05470
28-b		-	-	1	1	-	-	-	-	BACK PLATE IA600 (E)	PRST05480
28-c		-	-	-	-	1	1	-	-	BACK PLATE IA400 (W)	PRST05450
28-d		-	-	-	-	-	-	1	1	BACK PLATE IA400 (E)	PRST05460
29		2	2	2	2	2	2	2	2	SIDE PLATE	PRST05490
30		1	1	1	1	1	1	1	1	SUB HEAT SINK (L)	PRSA01850
31		1	1	1	1	1	1	1	1	SUB HEAT SINK (R)	PRSA01860
32		2	2	2	2	2	2	2	2	TRANSISTOR HOLDER	PRST06130
33		1	1	1	1	1	1	1	1	P.T HOLD	PRST05500
34		1	1	1	1	1	1	1	1	ANGLE	PRST05510
35		1	1	1	1	1	1	1	1	PCB BRACKET (R)	PRST05530
36-a		1	1	-	-	1	1	-	-	TOP COVER	PRST05840
36-b		-	-	1	1	-	-	1	1	TOP COVER	PRST05850
37		1	1	1	1	1	1	1	1	BOTTOM COVER	PRST05560
38		1	1	1	1	1	1	1	1	PCB BRACKET	PRST05570
39		1	1	1	1	1	1	1	1	SHILD PLATE	PRST05580
40		1	1	1	1	1	1	1	1	ANGLE BRACKET	PRST05590
41		1	1	1	1	1	1	1	1	CHASS ANGLE (L)	PRST02351
42		1	1	1	1	1	1	1	1	POWER PCB BRACKET	PRST05600
43		1	1	1	1	1	1	1	1	MAIN HEAT SINK (L)	INJA00370
44		1	1	1	1	1	1	1	1	MAIN HEAT SINK (R)	INJA00380
45		1	1	1	1	1	1	1	1	BRACKET P.J 19.5	PRST05910

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
46		3	3	3	3	3	3	3	3	INSULATOR SPACER	SPC033
47		1	1	1	1	-	-	-	-	SPACER	SPC046
48		1	-	-	-	1	-	-	-	FLASH LABEL	LBL0055
49		1	1	-	-	1	1	-	-	CA/DA (FUSE) LABEL	LBL0147
⚠ 50-a		1	-	-	-	-	-	-	-	POWER TRANSFORMER ST-8125-7266	TRA0120
⚠ 50-b		-	1	-	-	-	-	-	-	POWER TRANSFORMER ST-8X29-7736	TRA0104
⚠ 50-c		-	-	1	1	-	-	-	-	POWER TRANSFORMER ST-8125-7267	TRA0121
⚠ 50-d		-	-	-	-	1	1	-	-	POWER TRANSFORMER ST-8125-7264	TRA0118
⚠ 50-e		-	-	-	-	-	-	1	1	POWER TRANSFORMER ST-8125-7265	TRA0119
⚠ 51-a		1	1	-	-	1	1	-	-	PLUG CORD SPT-2	ACC0025
⚠ 51-b		-	-	1	1	-	-	1	1	PLUG CORD EP-567-E10	ACC0029
⚠ 52		1	1	-	-	1	1	-	-	AC OUTLET M7034	SKT0217
53		1	1	1	1	1	1	1	1	GND TERMINAL IPEV	TAM40009
54		2	2	2	2	2	2	2	2	JUMPER	PLG0050
⚠ 55		1	1	1	1	1	1	1	1	CORD STOPPER No.2104	GRM0017
	MAIN PCB ASSEMBLY										
		1	1	1	1	-	-	-	-	MAIN PCB	PCB0069AM
		-	-	-	-	1	1	1	1	MAIN PCB	PCB0064AM
		4	4	4	4	4	4	4	4	HEAT SINK (for Q519~522)	PRSA00610
	IC501	1	1	1	1	1	1	1	1	IC TD62107P	ICT0411
	Q501,502	2	2	2	2	2	2	2	2	TR 2CSC1845 (F,E)	TRNC1845
	Q503,504	2	2	2	2	2	2	2	2	TR 2SA992 (F,E)	TRNA992
	Q505,506	2	2	2	2	2	2	2	2	TR 2CSC1845 (F,E)	TRNC1845
	Q507,508	2	2	2	2	2	2	2	2	TR 2SA992 (F,E)	TRNA992
	Q509,510	2	2	2	2	2	2	2	2	TR 2SA916 (LA,KA)	TRNA916
	Q511,512	2	2	2	2	2	2	2	2	TR 2SC1941 (LA,KA)	TRNC1941
	Q513,514	2	2	2	2	2	2	2	2	TR 2CSC1845 (F,E)	TRNC1845
	Q515,516	2	2	2	2	2	2	2	2	TR 2SC1941 (LA,KA)	TRNC1941
	Q517,518	2	2	2	2	2	2	2	2	TR 2SA916 (LA,KA)	TRNA916
	Q519,520	2	2	2	2	2	2	2	2	TR 2SC2275A (P,Q)	TRNC2275A
	Q521,522	2	2	2	2	2	2	2	2	TR 2SA985A (P,Q)	TRNA985A
	Q523,524	2	2	2	2	2	2	2	2	TR 2SC2021 (R,Q)	TRNC2021
	Q525,526	2	2	2	2	2	2	2	2	TR 2SA937 (R,Q)	TRNA937
	Q527,528	2	2	2	2	2	2	2	2	TR 2SC2987 (Q,P)	TRNC2987
	Q529,530	2	2	2	2	2	2	2	2	TR 2SA1227 (Q,P)	TRNA1227
	Q531,532	2	2	2	2	-	-	-	-	TR 2SC2987 (Q,P)	TRNC2987
	Q533,534	2	2	2	2	-	-	-	-	TR 2SA1227 (Q,P)	TRNA1227
	Q535	1	1	1	1	1	1	1	1	DTR DTA144TF	TRNZA144TF
	Q536,537	2	2	2	2	2	2	2	2	DTR DTC144TF	TRNZC144TF
	Q538	1	1	1	1	1	1	1	1	DTR DTA143EF	TRNZA143EF
	D501~508	8	8	8	8	8	8	8	8	DI DS446	DIOS0049
	D517	1	1	1	1	1	1	1	1	DI GMA01	DIOS0023
	D518	1	1	1	1	1	1	1	1	ZD HZ11C1L	DIOZ0176
	D519	1	1	1	1	1	1	1	1	DI GMA01	DIOS0023
	D520~523	4	4	4	4	4	4	4	4	DI DS446	DIOS0049
	L501,502	2	2	2	2	2	2	2	2	COIL CH 1M H	CILZ00020
	RY501~503	3	3	3	3	-	-	-	-	RELAY FBR323D005-K	RLED3002
	RY501~503	-	-	-	-	3	3	3	3	RELAY FBR323D005	RLED3001
	C501,502	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C503,504	2	2	2	2	2	2	2	2	C-CAP 7 pF 500V	CAPB07001H
	C505~508	4	4	4	4	4	4	4	4	C-CAP 10 pF 500V	CAPB10006G
	C509,510	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C511~514	4	4	4	4	4	4	4	4	C-CAP 33 pF 500V	CAPB33002C
	C519~522	4	4	4	4	4	4	4	4	M-CAP 0.047 μF 100V	CAPE47305J
	C523,524	2	2	2	2	2	2	2	2	C-CAP 0.0047μF 500V	CAPB47202H
	C525,526	2	2	2	2	-	-	-	-	E-CAP 18000 μF 80V	CAPA18901B
	C525,526	-	-	-	-	2	2	2	2	E-CAP 10000 μF 80V	CAPA10901B
	C527	1	1	1	1	1	1	1	1	BP-CAP 220 μF 16V	CAPA22712B
	C528	1	1	1	1	1	1	1	1	E-CAP 470 μF 10V	CAPA47712D
	C529	1	1	1	1	1	1	1	1	E-CAP 220 μF 10V	CAPA22716D
	C530	1	1	1	1	1	1	1	1	E-CAP 1 μF 50V	CAPA10505D
	C531,532	2	2	2	2	2	2	2	2	E-CAP 1000 μF 10V	CAPA10809D
	C533,534	-	-	-	-	2	2	2	2	BP-CAP 1 μF 50V	CAPA10509D
	C533,534	2	2	2	2	-	-	-	-	BP-CAP 0.33 μF 50V	CAPAR3303D
	C537,538	2	2	2	2	2	2	2	2	C-CAP 560 pF 500V	CAPB56104H
	R501,502	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES1473088

PARTS ORDERING PROCEDURE .... DO NOT USE THE "REFERENCE" number and "SYMBOL" number. (these are control numbers for the factory only.)
Include in any order: a. Part number, b. Part despcription, c. Model number. (any of the above lacking from an order may delay shipment of the order.)

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
	R503~506	4	4	4	4	4	4	4	4	FP-RES 4.7k OHM 1/4W	RES047201A
	R507~510	4	4	4	4	4	4	4	4	RES 39k OHM 1/4W	RES139306B
	R511~514	4	4	4	4	4	4	4	4	FP-RES 4.7k OHM 1/4W	RES047201A
	R515,516	2	2	2	2	2	2	2	2	RES 15k OHM 1/4W	RES115301B
	R517,518	2	2	2	2	-	-	-	-	FP-RES 470 OHM 1/4W	RES047101A
	R517,518	-	-	-	-	2	2	2	2	FP-RES 560 OHM 1/4W	RES056102A
	R519~522	4	4	4	4	4	4	4	4	FP-RES 1k OHM 1/4W	RES010201A
	R523,524	2	2	2	2	2	2	2	2	FP-RES 3.3k OHM 1/4W	RES033201E
	R525,526	2	2	2	2	2	2	2	2	FP-RES 820 OHM 1/4W	RES082101A
	R527,528	2	2	2	2	4	4	4	4	FP-RES 1k OHM 1/4W	RES010201A
	R529~532	4	4	4	4	4	4	4	4	RES 22k OHM 1/4W	RES122302B
	R533,534	2	2	2	2	2	2	2	2	MO-RES 390 OHM 1/2W	RES439104A
	R535~538	4	4	4	4	4	4	4	4	FP-RES 1k OHM 1/4W	RES010201A
	R539,540	2	2	2	2	-	-	-	-	MO-RES 4.7 OHM 1/2W	RES44R701A
	R541~544	4	4	4	4	4	4	4	4	MO-RES 4.7 OHM 1/2W	RES44R701A
	R545,546	2	2	2	2	-	-	-	-	MO-RES 4.7 OHM 1/2W	RES44R701A
	R547~550	4	4	4	4	4	4	4	4	CEM-RES 0.22 OHM 5W	RES7R2201A
	R551~554	4	4	4	4	-	-	-	-	CEM-RES 0.22 OHM 5W	RES7R2201A
	R555~560	6	6	6	6	6	6	6	6	MO-RES 10 OHM 3W	RES410003A
	R561,562	2	2	2	2	2	2	2	2	MO-RES 330 OHM 3W	RES433103A
	R563,564	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES147308B
	R565	1	1	1	1	1	1	1	1	RES 22k OHM 1/4W	RES122302B
	R566~568	3	3	3	3	3	3	3	3	RES 22k OHM 1/6W	RES122303B
	R569	1	1	1	1	1	1	1	1	RES 220k OHM 1/6W	RES122402B
	R570	1	1	1	1	1	1	1	1	RES 22k OHM 1/6W	RES122303B
	R571,572	2	2	2	2	2	2	2	2	RES 1k OHM 1/6W	RES110203B
	VR503,504	2	2	2	2	2	2	2	2	POT 500B	VRE2501B02
	CN502	1	1	1	1	1	1	1	1	SPEAKER TERMINAL T6166	TAM40021
	CN504,505	2	2	2	2	2	2	2	2	CONNECTOR CJP3103-0101	SKT0185
	CN506	1	1	1	1	1	1	1	1	CONNECTOR CJP3105-0101	SKT0187
	SW PCB ASSEMBLY										
		1	1	1	1	-	-	-	-	SW PCB	PCB0070AM
		-	-	-	-	1	1	1	1	SW PCB	PCB0065AM
	IC901~903	3	3	3	3	3	3	3	3	IC TC9130P	ICT0407
	IC904	1	1	1	1	1	1	1	1	IC μPD4001BC	ICT0310
	IC905	1	1	1	1	1	1	1	1	IC μPD74HC148C	ICT0409
	IC906	1	1	1	1	1	1	1	1	IC μPD74HC192C	ICT0410
	IC907	1	1	1	1	1	1	1	1	IC μPD74HC148C	ICT0409
	IC908	1	1	1	1	1	1	1	1	IC μPD74HC192C	ICT0410
	IC909,910	2	2	2	2	2	2	2	2	IC μPD74HC138C	ICT0408
	Q905	1	1	1	1	1	1	1	1	TR 2SA881 (R,Q)	TRNA881
	Q906	1	1	1	1	1	1	1	1	DTR DTC144EF	TRNZC144EF
	Q907,908	2	2	2	2	2	2	2	2	DTR DTC123EF	TRNZC123EF
	Q909	1	1	1	1	1	1	1	1	DTR DTC144EF	TRNZC144EF
	Q910	1	1	1	1	1	1	1	1	DTR DTA144TF	TRNZA144TF
	Q911	1	1	1	1	1	1	1	1	DTR DTC144TF	TRNZC144TF
	Q912	1	1	1	1	1	1	1	1	DTR DTA144TF	TRNZA144TF
	Q913	1	1	1	1	1	1	1	1	DTR DTC144TF	TRNZC144TF
	D901~905	5	5	5	5	5	5	5	5	LED SLP935C-08	DIOQ0071
	D906~914	9	9	9	9	9	9	9	9	LED SLP735C-08	DIOQ0069
	D915	1	1	1	1	-	-	-	-	LED SLP735C-08	DIOQ0069
	D916	1	1	1	1	1	1	1	1	LED SLP735C-08	DIOQ0069
	D917~923	7	7	7	7	7	7	7	7	LED SLP935C-08	DIOQ0071
	D924	1	1	1	1	-	-	-	-	LED SLP935C-08	DIOQ0071
	D925,926	2	2	2	2	2	2	2	2	LED SLP935C-08	DIOQ0071
	D927	1	1	1	1	1	1	1	1	DI DS135C	DIOR0035
	D928~937	10	10	10	10	10	10	10	10	DI GMA01	DIOS0023
	PL901~903	3	3	3	3	3	3	3	3	LAMP T-3.4 5V 115mA	LMP0025
	SW901~914	14	14	14	14	14	14	14	14	TACT SW SOA-121HS	SWT1110
	SW915	1	1	1	1	-	-	-	-	TACT SW SOA-121HS	SWT1110
	SW916~923	8	8	8	8	8	8	8	8	TACT SW SOA-121HS	SWT1110
	SW924	1	1	1	1	-	-	-	-	TACT SWS OA-121HS	SWT1110
	SW925	1	1	1	1	1	1	1	1	TACT SWS OA-121HS	SWT1110
	C901~912	12	12	12	12	12	12	12	12	C-CAP 0.022 μF 25V	CAPB22304H
	C913	1	1	1	1	1	1	1	1	E-CAP 470 μF 10V	CAPA47712D
	C914,915	2	2	2	2	2	2	2	2	C-CAP 0.022 μF 25V	CAPB22304H
	C916	1	1	1	1	1	1	1	1	E-CAP 10 μF 50V	CAPA10621D
	C917	1	1	1	1	1	1	1	1	E-CAP 2.2 μF 50V	CAPA2R205D
	C918	1	1	1	1	1	1	1	1	E-CAP 0.1 F	CAPZ10411F
	C919	1	1	1	1	1	1	1	1	E-CAP 47 μF 25V	CAPA47614D
	C920,921	2	2	2	2	2	2	2	2	C-CAP 0.022 μF 25V	CAPB22304H
	R901~905	5	5	5	5	5	5	5	5	RES 680 OHM 1/6W	RES168103B
	R906,907	2	2	2	2	2	2	2	2	RES 220 OHM 1/6W	RES122101B
	R908~911	4	4	4	4	4	4	4	4	RES 100k OHM 1/6W	RES1104028
	R912	1	1	1	1	1	1	1	1	RES 4.7k OHM 1/6W	RES147203B
	R913	1	1	1	1	1	1	1	1	RES 270 OHM 1/6W	RES127102B
	R914	1	1	1	1	1	1	1	1	RES 820 OHM 1/6W	RES182103B
	R915	1	1	1	1	1	1	1	1	RES 22k OHM 1/6W	RES122303B
	R916	1	1	1	1	1	1	1	1	RES 1k OHM 1/6W	RES110203E
	R917~919	3	3	3	3	3	3	3	3	RES 100k OHM 1/6W	RES1104028
	R920	1	1	1	1	1	1	1	1	RES 820 OHM 1/6W	RES182103B
	R921	1	1	1	1	1	1	1	1	RES 100k OHM 1/6W	RES1104028
	R922	1	1	1	1	1	1	1	1	RES 680 OHM 1/6W	RES168103B
	R923	1	1	1	1	1	1	1	1	RES 220 OHM 1/6W	RES122101B
	R927	1	1	1	1	1	1	1	1	RES 270 OHM 1/6W	RES127102B
	RA901,902	2	2	2	2	2	2	2	2	RES NETWORK 100kx4 1/8W	RES010402Z
	RA903	1	1	1	1	1	1	1	1	RES NETWORK 10kx5 1/8W	RES010303Z
	RA904	1	1	1	1	1	1	1	1	RES NETWORK 10kx4 1/8W	RES010304Z
	RA905	1	1	1	1	1	1	1	1	RES NETWORK 10kx5 1/8W	RES010303Z
	RA906	1	1	1	1	1	1	1	1	RES NETWORK 10kx4 1/8W	RES010304Z
	RA907	1	1	1	1	1	1	1	1	RES NETWORK 270x3 1/4W	RES027101Z
	CN901	1	1	1	1	1	1	1	1	CONNECTOR CJP3111-0101	SKT0190
	SUB PCB ASSEMBLY										
		1	1	-	-	-	-	-	-	SUB PCB (W)	PCB0072AM
		-	-	1	1	-	-	-	-	SUB PCB (E)	PCB0073AM

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION	PARTS NO.
		-	-	-	-	1	1	-	-	SUB PCB (W)	PCB0067AM
		-	-	-	-	-	-	1	1	SUB PCB (E)	PCB0068AM
	<< REGULATOR PCB SECTION >>										
		1	1	1	1	1	1	1	1	HEAT SINK	SNK0022
		1	1	1	1	1	1	1	1	HEAT SINK	SNK0023
		4	4	4	4	4	4	4	4	FUSE HOLDER	HOL0049
	IC601	1	1	1	1	1	1	1	1	IC TA78L015AP	ICT0404
	IC602	1	1	1	1	1	1	1	1	IC TA79L015P	ICT0405
	IC603	1	1	1	1	1	1	1	1	IC L7805	ICT0406
	Q601	1	1	1	1	1	1	1	1	TR 2SC1845 (F,E)	TRNC1845
	Q602	1	1	1	1	1	1	1	1	TR 2SA992 (F,E)	TRNA992
	D601	1	1	1	1	1	1	1	1	DI DBA100C	DIOR0048
	D602~605	4	4	4	4	4	4	4	4	DI DS135C	DIOR0035
	D606	1	1	1	1	1	1	1	1	DI DBA20B	DIOR0040
	D607,608	2	2	2	2	2	2	2	2	LED GL5KG41	DIOQ0065
⚠	SW601	1	1	-	-	1	1	-	-	SWITCH SDDUA4	SWT1117
⚠	SW601	-	-	1	1	-	-	1	1	SWITCH SDDUA4	SWT1118
	C601	-	-	1	1	-	-	1	1	C-CAP 0.0047μF 400V	CAPB47203H
	C601	1	1	-	-	1	1	-	-	C-CAP 0.01 μF 125V	CAPB10311H
	C608,609	2	2	2	2	2	2	2	2	C-CAP 0.0047μF 500V	CAPB47202H
	C610,611	2	2	2	2	2	2	2	2	E-CAP 100 μF 100V	CAPA10722D
	C612,613	2	2	2	2	2	2	2	2	E-CAP 47 μF 100V	CAPA47622D
	C616,617	2	2	2	2	2	2	2	2	C-CAP 0.022 μF 50V	CAPB22301H
	C618,619	2	2	2	2	2	2	2	2	E-CAP 470 μF 50V	CAPA47713D
	C620,621	2	2	2	2	2	2	2	2	C-CAP 0.022 μF 50V	CAPB22301H
	C623~625	3	3	3	3	3	3	3	3	C-CAP 0.022 μF 50V	CAPB22301H
	C626	1	1	1	1	1	1	1	1	E-CAP 2200 μF 25V	CAPA22803D
	C627	1	1	1	1	1	1	1	1	E-CAP 10 μF 50V	CAPA10621D
	R602,603	2	2	2	2	2	2	2	2	F-RES 1 OHM 1/4W	RES61R001A
	R604,605	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES147308B
	R606,607	2	2	2	2	2	2	2	2	F-RES 2.2 OHM 1/4W	RES62R201A
	R608,609	2	2	2	2	2	2	2	2	RES 270 OHM 1/6W	RES127102B
⚠	F601	1	1	-	-	-	-	-	-	FUSE 125V 8A	FUS1082
⚠	F601	-	-	1	1	-	-	-	-	FUSE 250V 4A	FUS1083
⚠	F601	-	-	-	-	1	1	-	-	FUSE 125V 6A	FUS1073
⚠	F601	-	-	-	-	-	-	1	1	FUSE 250V 3.15A	FUS1075
⚠	F602	1	1	-	-	1	1	-	-	FUSE 125V 1.6A	FUS1074
⚠	F602	-	-	1	1	-	-	1	1	FUSE 250V 1.6A	FUS1076
	CN605	1	1	1	1	1	1	1	1	CONNECTOR HBRB 3R-1J	SKT0194
	CN604	1	1	1	1	1	1	1	1	CONNECTOR HBRB 5R-1J	SKT0196
	<< TONE PCB SECTION >>										
	IC401	1	1	1	1	1	1	1	1	IC LB1245	ICT0412
	IC402,403	2	2	2	2	2	2	2	2	IC μPC4570HA	ICT0312
	IC404	1	1	1	1	1	1	1	1	IC LC4966	ICT0413
	IC405,406	2	2	2	2	2	2	2	2	IC μPC4570HA	ICT0312
	Q401~408	8	8	8	8	8	8	8	8	TR 2SC3327 (A,B)	TRNC3327
	Q409	1	1	1	1	1	1	1	1	DTR DTC144EF	TRNZC144EF
	D401	1	1	1	1	1	1	1	1	DI GMA01	DIOS0023
	L401,402	2	2	2	2	2	2	2	2	COIL 82 mH	CILZ00076
	SW401	1	1	1	1	1	1	1	1	SWITCH SPUL12	SWT1119
	C401,402	2	2	2	2	2	2	2	2	M-CAP 0.0068μF 50V	CAPC68202D
	C403,404	2	2	2	2	2	2	2	2	E-CAP 100 μF 10V	CAPA10706D
	C405,406	2	2	2	2	2	2	2	2	C-CAP 47 pF 50V	CAPB47006H
	C407,408	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C409,410	2	2	2	2	2	2	2	2	M-CAP 0.01 μF 50V	CAPC10305D
	C411~414	4	4	4	4	4	4	4	4	E-CAP 1 μF 50V	CAPA10505D
	C415,416	2	2	2	2	2	2	2	2	C-CAP 47 pF 50V	CAPB47006H
	C417,418	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C419,420	2	2	2	2	2	2	2	2	E-CAP 2.2 μF 50V	CAPA2R205D
	C421,422	2	2	2	2	2	2	2	2	E-CAP 1 μF 50V	CAPA10505D
	C423,424	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C425,426	2	2	2	2	2	2	2	2	E-CAP 0.1 μF 50V	CAPAR10004D
	C427,428	2	2	2	2	2	2	2	2	E-CAP 10 μF 50V	CAPA10621D
	C429,430	2	2	2	2	2	2	2	2	E-CAP 220 μF 25V	CAPA22709D
	C431	1	1	1	1	1	1	1	1	E-CAP 470 μF 10V	CAPA47712D
	C432,433	-	-	-	2	-	-	-	2	C-CAP 560 pF 50V	CAPB56101G
	C434	-	-	-	1	-	-	-	1	C-CAP 0.1 μF 25V	CAPB10403H
	R401,402	2	2	2	2	2	2	2	2	RES 1.8k OHM 1/4W	RES118203E
	R403,404	2	2	2	2	2	2	2	2	RES 220k OHM 1/4W	RES122402E
	R405~408	4	4	4	4	4	4	4	4	RES 5.6k OHM 1/4W	RES156205B
	R409,410	2	2	2	2	2	2	2	2	RES 1.8k OHM 1/4W	RES118203E
	R411,412	2	2	2	2	2	2	2	2	RES 470 OHM 1/4W	RES1471028
	R413,414	2	2	2	2	2	2	2	2	RES 470k OHM 1/4W	RES147404B
	R415,416	2	2	2	2	2	2	2	2	RES 1k OHM 1/4W	RES110202B
	R417,418	2	2	2	2	2	2	2	2	RES 470k OHM 1/4W	RES147404B
	R419,420	2	2	2	2	2	2	2	2	RES 5.6k OHM 1/4W	RES156205B
	R421,422	2	2	2	2	2	2	2	2	RES 47k OHM 1/4W	RES147308B
	R423,424	2	2	2	2	2	2	2	2	RES 470k OHM 1/4W	RES147404B
	R425~428	4	4	4	4	4	4	4	4	RES 13k OHM 1/4W	RES113301B
	R429,430	2	2	2	2	2	2	2	2	RES 15k OHM 1/6W	RES115305B
	R431,432	2	2	2	2	2	2	2	2	RES 33k OHM 1/6W	RES133302B
	R433,434	2	2	2	2	2	2	2	2	RES 15k OHM 1/6W	RES115305B
	R435,436	2	2	2	2	2	2	2	2	RES 1.8k OHM 1/4W	RES118203E
	R437,438	2	2	2	2	2	2	2	2	RES 6.8K OHM 1/4W	RES168204B
	R439~441	4	4	4	4	4	4	4	4	RES 15k OHM 1/6W	RES115305B
	R442	1	1	1	1	1	1	1	1	RES 100k OHM 1/6W	RES1104028
	R443	1	1	1	1	1	1	1	1	RES 15k OHM 1/4W	RES115301B
	R447	1	1	1	1	1	1	1	1	RES 100k OHM 1/6W	RES1104028
	RA401	1	1	1	1	1	1	1	1	RES NETWORK 4.7k x 4 1/8W	RES047202Z
	VR401,402	2	2	2	2	2	2	2	2	VR 20K3Bx 2	VRE6203B01
	VR403	1	1	1	1	1	1	1	1	VR 50KMNx 2	VRE6503M01
	VR404	1	1	1	1	1	1	1	1	VR 50K15AMx 2	VRE6503A02

PARTS ORDERING PROCEDURE .... DO NOT USE THE "REFERENCE" number and "SYMBOL" number. (these are control numbers for the factory only.)
Include in any order: a. Part number, b. Part despcription, c. Model number. (any of the above lacking from an order may delay shipment of the order.)

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION				PARTS NO.
	<< FUNCTION PCB SECTION >>													
		1	1	1	1	1	1	1	1	GND PLATE				PRST04910
	IC301,302	2	2	2	2	2	2	2	2	IC LB1245				ICT0412
	IC303~314	12	12	12	12	12	12	12	12	IC LC4966				ICT0413
	IC315	1	1	1	1	1	1	1	1	IC μPC4570HA				ICT0312
	Q301,302	2	2	2	2	2	2	2	2	TR 2SC3327 (A,B)				TRNC3327
	Q303~306	4	4	4	4	4	4	4	4	TR 2SA991 (F,E)				TRNA991
	Q307~310	4	4	4	4	4	4	4	4	TR 2SC3327 (A,B)				TRNC3327
	Q311	1	1	1	1	1	1	1	1	DTR DTA144EF				TRNZA144EF
	Q312	1	1	1	1	1	1	1	1	TR 2SA881 (R,Q)				TRNA881
	Q313,314	2	2	2	2	2	2	2	2	DTR DTA144EF				TRNZA144EF
	Q315~317	3	3	3	3	3	3	3	3	DTR DTC123EF				TRNZC123EF
	D301,302	2	2	2	2	2	2	2	2	DI GMA01				DIOS0023
	D305,306	2	2	2	2	2	2	2	2	DI GMA01				DIOS0023
	L301,302	2	2	2	2	2	2	2	2	INDUCTOR	180	μH		CILA18101
	C317,318	2	2	2	2	2	2	2	2	C-CAP	560	pF	50V	CAPB56101G
	C321~330	10	10	10	10	10	10	10	10	C-CAP	560	pF	50V	CAPB56101G
	C331,332	2	2	2	2	2	2	2	2	E-CAP	10	μF	50V	CAPA10621D
	C333,334	2	2	2	2	2	2	2	2	C-CAP	0.0022	μF	50V	CAPB22202G
	C335,336	2	2	2	2	2	2	2	2	E-CAP	2200	μF	10V	CAPA22805D
	C337,338	2	2	2	2	2	2	2	2	M-CAP	0.039	μF	50V	CAPE39301D
	C339,340	2	2	2	2	2	2	2	2	M-CAP	0.01	μF	50V	CAPC10305D
	C341,342	2	2	2	2	2	2	2	2	M-CAP	0.001	μF	50V	CAPC10203D
	C343,344	2	2	2	2	2	2	2	2	E-CAP	1	μF	50V	CAPA10505D
	C345,346	2	2	2	2	2	2	2	2	C-CAP	100	pF	50V	CAPB10108G
	C347,348	2	2	2	2	2	2	2	2	E-CAP	1000	μF	16V	CAPA10810D
	C349	1	1	1	1	1	1	1	1	E-CAP	47	μF	25V	CAPA47614D
	C352,353	2	2	2	2	2	2	2	2	C-CAP	0.022	μF	25V	CAPB22304H
	C354	1	1	1	1	1	1	1	1	E-CAP	2200	μF	10V	CAPA22805D
	C357,358	-	-	-	2	-	-	-	2	C-CAP	0.1	μF	25V	CAPB10403H
	R317,318	2	2	2	2	2	2	2	2	RES	10	OHM	1/4W	RES110001E
	R319,320	2	2	2	2	2	2	2	2	RES	560	OHM	1/4W	RES156102E
	R321~328	8	8	8	8	8	8	8	8	RES	10	OHM	1/4W	RES110001E
	R331,332	2	2	2	2	2	2	2	2	RES	100k	OHM	1/6W	RES110406B
	R333,334	2	2	2	2	2	2	2	2	RES	100	OHM	1/6W	RES110101B
	R335,336	2	2	2	2	2	2	2	2	RES	91k	OHM	1/6W	RES191303B
	R337~340	4	4	4	4	4	4	4	4	RES	6.8k	OHM	1/6W	RES168202B
	R341,342	2	2	2	2	2	2	2	2	RES	100	OHM	1/6W	RES110101B
	R343,344	2	2	2	2	2	2	2	2	RES	4.7k	OHM	1/6W	RES147209B
	R345,356	2	2	2	2	2	2	2	2	RES	3.3k	OHM	1/6W	RES133203B
	R347,348	2	2	2	2	2	2	2	2	RES	560	OHM	1/6W	RES156101B
	R349,350	2	2	2	2	2	2	2	2	RES	15	OHM	1/6W	RES115001B
	R351,352	2	2	2	2	2	2	2	2	RES	150	OHM	1/6W	RES115101B

REF NO.	SYMBOL NO.	IA600 W	C	E	V	IA400 W	C	E	V	DESCRIPTION				PARTS NO.
	R353,354	2	2	2	2	2	2	2	2	RES	82k	OHM	1/6W	RES182303B
	R355,356	2	2	2	2	2	2	2	2	RES	6.8k	OHM	1/6W	RES168202B
	R357,358	2	2	2	2	2	2	2	2	RES	150	OHM	1/6W	RES115101B
	R359,360	2	2	2	2	2	2	2	2	RES	470	OHM	1/6W	RES147103B
	R361,362	2	2	2	2	2	2	2	2	RES	4.7k	OHM	1/6W	RES147209B
	R363,364	2	2	2	2	2	2	2	2	RES	47K	OHM	1/6W	RES147302B
	R365~370	6	6	6	6	6	6	6	6	RES	100k	OHM	1/6W	RES110406B
	R371,372	2	2	2	2	2	2	2	2	FP-RES	100	OHM	1/4W	RES010101A
	R373	1	1	1	1	1	1	1	1	RES	10k	OHM	1/6W	RES110303B
	R374	1	1	1	1	1	1	1	1	RES	1k	OHM	1/6W	RES110203B
	R377	1	1	1	1	1	1	1	1	FP-RES	56	OHM	1/4W	RES056001A
	R378	1	1	1	1	1	1	1	1	RES	4.7k	OHM	1/6W	RES147209B
	R379	1	1	1	1	1	1	1	1	RES	100k	OHM	1/6W	RES110406B
	R380,381	2	2	2	2	2	2	2	2	RES	4.7k	OHM	1/6W	RES147209B
	CN304,305	2	2	2	2	2	2	2	2	4P PIN JACK				SKT0219
	CN306	1	1	1	1	1	1	1	1	6P PIN JACK				SKT0218
	CN331	1	1	1	1	1	1	1	1	CONNECTOR	HBRN13S-1			SKT0234
	CN332	1	1	1	1	1	1	1	1	CONNECTOR	CJP3110-0101			SKT0223
	CN333	1	1	1	1	1	1	1	1	CONNECTOR	CJP3106-0101			SKT0188
	CN334,335	2	2	2	2	2	2	2	2	CONNECTOR	CJP3108-0101			SKT0222
	<< RCA PCB SECTION >>													
	CN301	1	1	1	1	-	-	-	-	4P PIN JACK				SKT0219
	CN301	-	-	-	-	1	1	1	1	2P PIN JACK				SKT0220
	CN302,303	2	2	2	2	2	2	2	2	6P PIN JACK				SKT0218
	C301,302	2	2	2	2	2	2	2	2	C-CAP	560	pF	50V	CAPB56101G
	C303,304	2	2	2	2	-	-	-	-	C-CAP	560	pF	50V	CAPB56101G
	C305~308	4	4	4	4	4	4	4	4	C-CAP	560	pF	50V	CAPB56101G
	C311,312	2	2	2	2	2	2	2	2	C-CAP	560	pF	50V	CAPB56101G
	C315,316	2	2	2	2	2	2	2	2	C-CAP	560	pF	50V	CAPB56101G
	R301,302	2	2	2	2	2	2	2	2	RES	10	OHM	1/4W	RES110003E
	R303,304	2	2	2	2	-	-	-	-	RES	10	OHM	1/4W	RES110003E
	R305~316	12	12	12	12	12	12	12	12	RES	10	OHM	1/4W	RES110003E
	<< PHONE PCB SECTION >>													
	CN501	1	1	1	1	1	1	1	1	PHONE JACK				SKT0052
	LED PCB ASSEMBLY													
		1	1	1	1	1	1	1	1	LED PCB				PCB0049AM
	D938~941	4	4	4	4	4	4	4	4	LED GL3PG43				DIOQ0066

SCREWS, WASHER LIST

REF NO.	DESCRIPTION		PARTS NO.
*1	Binding head screw B	3x8	BIS6K08001
*2	Binding head screw B	3x8	BIS6K08005
*3	Binding head screw B	3x10	BIS6K10001
*4	Binding head screw B	3x12	BIS6K12001
*5	BW head screw B	4x8	BIS7M08012
*6	Binding head machine screw	3x6	BIS6K06012
*7	Countersunk head screw B	3x6	BIS2K06004
*8	Countersunk head machine screw	2.6x6	BIS2J06002
*9	Countersunk head machine screw	3x6	BIS2K06001
*10	Countersunk head machine screw	3x10	BIS2K10000
*11	Brazier head screw B	3x12	BIS7K12003
*12	Brazier head screw S	4x8	BIS7M08015