

# SERVICE MANUAL

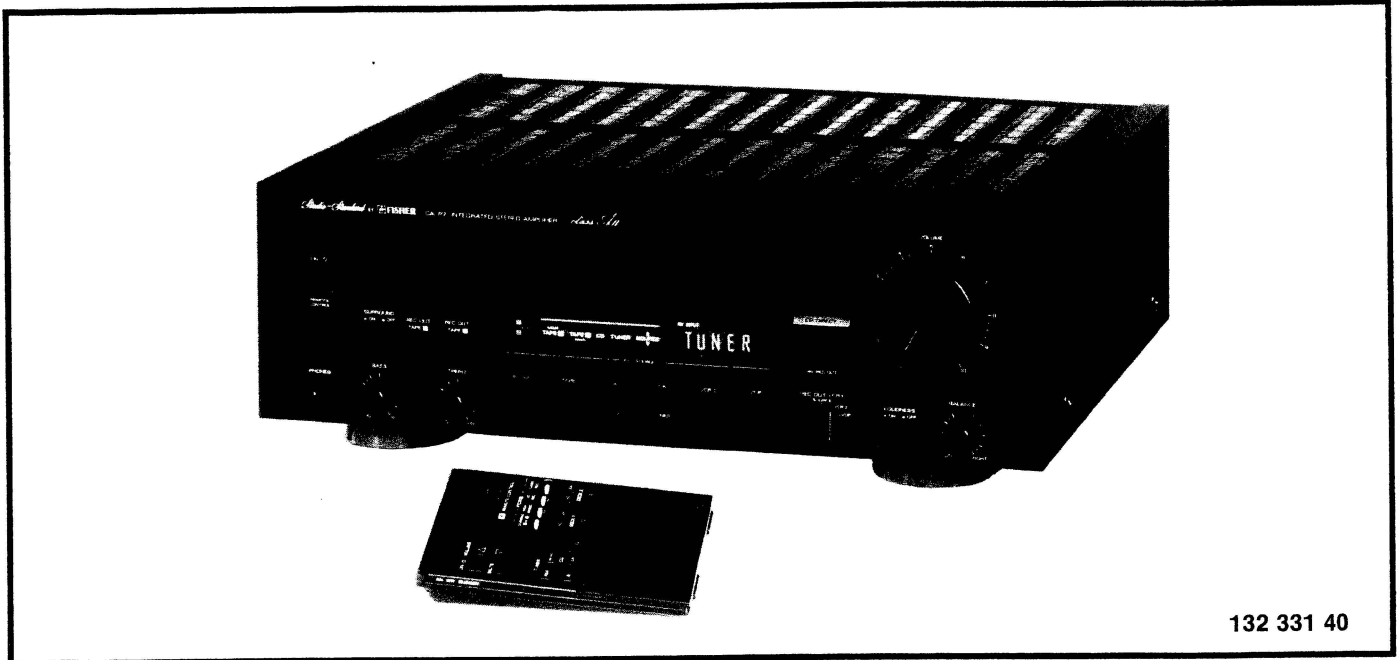


# FISHER

INTEGRATED STEREO  
AMPLIFIER WITH WIRELESS  
REMOTE CONTROL REM-P7

## CA-P7

(EUROPE)



132 331 40

## SPECIFICATIONS

Remote Control (REM-P7) ..... 65-button,  
79-function,  
wireless remote control

### POWER AMPLIFIER SECTION

Minimum RMS sine wave power per channel  
within stated bandwidth at no more than stated  
distortion and with 6-ohm load ..... 60 W  
Power Bandwidth ..... 20 Hz - 20 kHz  
Total Harmonic Distortion ..... 0.02 %  
I.M. Distortion ..... 0.1 %  
Speaker Damping ..... > 30

### PREAMPLIFIER SECTION

Frequency Response  
Phono .....  $\pm 1$  dB  
Input Sensitivity and Impedance  
Phono ..... 2.5 mV/50 k $\Omega$   
Tape/DAT/CD ..... 200 mV/50 k $\Omega$   
Tuner/Line IN ..... 200 mV/50 k $\Omega$   
VCR1,2/VDP ..... 120 mV/50 k $\Omega$

Phono Max. Input Capability ..... 130 mV  
Tone Controls  
Bass (100 Hz) .....  $\pm 10$  dB  
Treble (10 kHz) .....  $\pm 10$  dB  
Loudness Contour (100 Hz/10 kHz) ..... +5 dB/+4 dB  
Hum and Noise (IHF Short Circuit, A Network)  
Phono ..... 74 dB  
Tape Monitor ..... 89 dB  
DAT ..... 87 dB  
CD ..... 89 dB  
CD Direct ..... 99 dB  
Tuner/VCR1,2 ..... 88 dB  
VDP ..... 87 dB

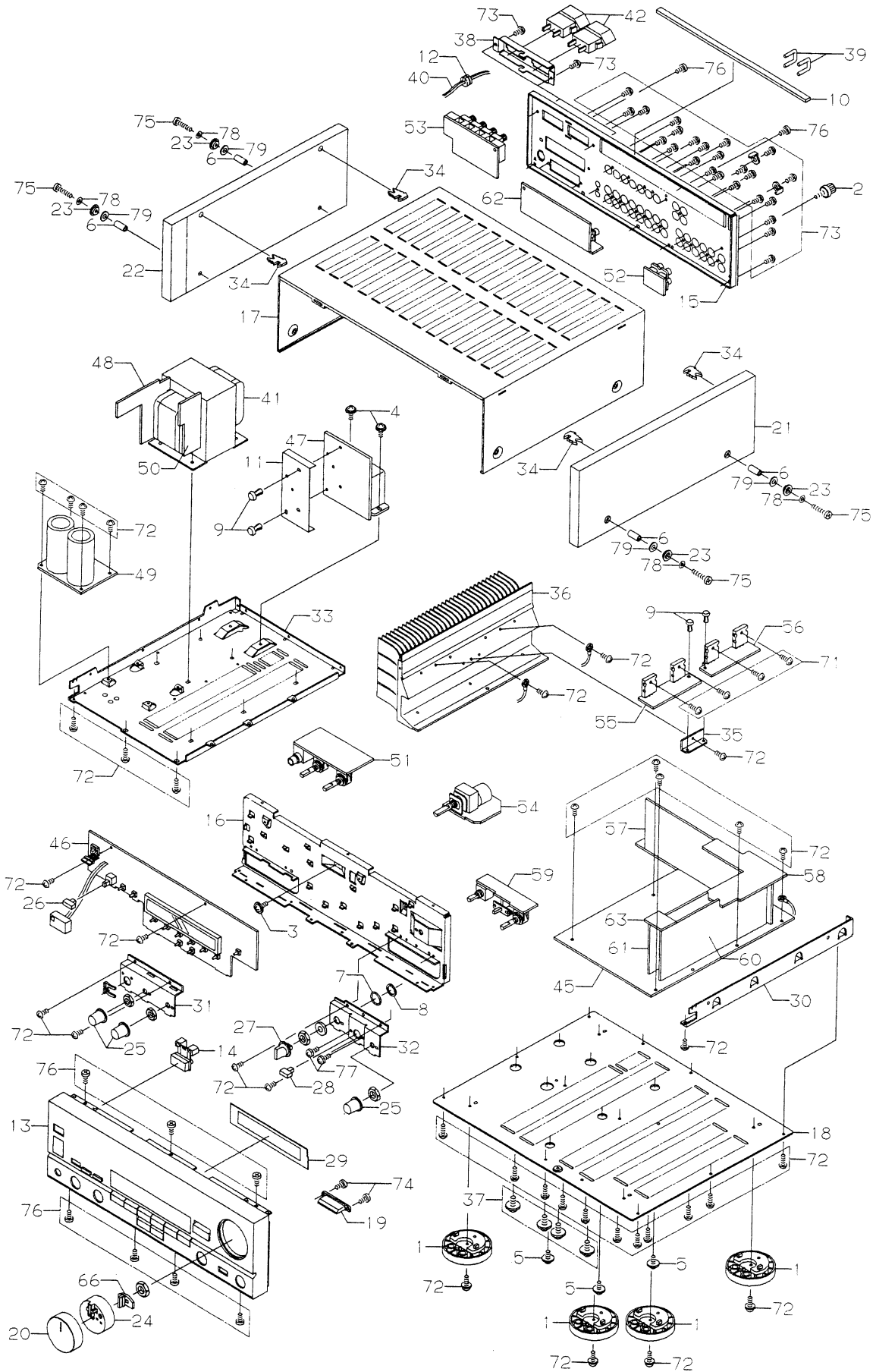
### GENERAL

Power Requirements ..... AC 220V  
(50 Hz) ..... 310 W  
AC Outlets ..... 2  
Dimensions (WxHxD) ..... 390 x 123 x 300 mm  
Weight (approx.) ..... 8.0 kg

— Specifications and design are subject to change without notice. —

REFERENCE No. WM-570271

# CABINET & CHASSIS EXPLODED VIEW



# CABINET & CHASSIS PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
<b>PACKAGE</b>				47	620 199 8306	Back up Trans P.C.B. Assy	1
	620 200 2835	Inner Carton	1	48	620 199 8313	Power Trans P.C.B. Assy	1
	620 201 0670	Pad, Plain	1	49	620 199 8344	Power Supply P.C.B. Assy	1
	620 183 1566	Pad (Right)	1	50	620 199 8351	Fuse P.C.B. Assy	1
	620 183 1573	Pad (Left)	1	51	620 200 7410	Tone P.C.B. Assy	1
	620 059 7340	Patching Sheet	1	52	620 201 4258	Line IN/OUT P.C.B. Assy	1
	620 062 0543	Serial No. Sheet	1	53	620 183 4574	Speaker Terminal P.C.B. Assy	1
or	620 152 7452	Serial No. Sheet	1	54	620 183 4604	Volume P.C.B. Assy	1
	620 148 8012	Sheet Polyethylene	1	55	620 183 4628	Power Transistor Left P.C.B. Assy	1
<b>ACCESSORIES</b>				56	620 183 4635	Power Transistor Right P.C.B. Assy	1
	620 199 9785	Remocon, P7 (Remote Control)	1	57	620 183 4666	Input Buffer P.C.B. Assy	1
	620 199 9846	Instruction Manual	1	58	620 183 4673	Bridge Plug P.C.B. Assy	1
	620 057 8783	Bag Fan	1	59	620 183 4680	Balance Volume P.C.B. Assy	1
	620 062 0543	Serial No. Sheet	1	60	620 183 4697	Analogue Switch P.C.B. Assy	1
	620 152 2624	Certificate Card	1	61	620 183 4703	Surround P.C.B. Assy	1
<b>CABINET</b>				62	620 191 2807	Video Switch P.C.B. Assy	1
	620 022 3492	Terminal Lug	2	63	620 184 7796	Bridge P.C.B. Assy	1
	620 062 0505	Manufacturing No.	1	64	620 184 7802	Volume IND. P.C.B. Assy	1
	620 062 1564	Tape Acetate	1	71	411 020 5904	SCR S-TPG BRZ 3X10	4
	620 125 8424	Wire Band	19	72	411 020 7700	SCR S-TPG BRZ 3X6	37
C10	403 072 2703	CERAMIC 0.022U Z 50V	1	73	411 099 9803	SCR S-TPG BRZ 3X8	26
C11	403 001 2309	CERAMIC 0.01U N 16V	1	74	411 021 3107	SCR S-TPG BIN 2.6X8	2
1	620 190 5649	Leg Assy	4	75	411 098 4304	SCR S-TPG BIN 3X25	4
2	620 051 2152	Screw Ground	1	76	411 021 5903	SCR S-TPG BIN 3X6	9
3	620 051 3708	Screw Braz. HD. + M3X8	1	77	411 003 8908	SCR PAN + SW 3X6	2
4	620 051 4262	Screw 3X6	2	78	411 110 1403	WASHER Z 3.4X8X0.5	4
5	620 051 4286	Screw 3X10	3	79	411 008 9702	WASHER Z 4.2X10X0.8	4
6	620 183 0965	Spacer	4	<b>NOTES:</b>			
7	620 185 9430	Spacer	1	1.	Parts order must contain Model Number, Part Number and Description.		
8	620 185 9447	Spacer	1	2.	Ordering quantity of screws and resistors must be multiple of 10 pcs.		
9	620 052 1659	Rivet	4	<b>PRODUCT SAFETY NOTICE</b>			
10	620 052 4155	Cushion	1	Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol $\Delta$ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with $\Delta$ , use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.			
11	620 200 4341	Insulator	1				
12	620 053 2136	Bushing (Power Cord)	1				
13	620 200 4358	Assy, Cabinet	1				
	620 200 4372	Assy, Frame	1				
	620 200 4464	Panel, Control	1				
	620 183 3522	Hinge Knob F Assy	1				
	620 094 8715	Cover Decoration (Right)	1				
	620 094 8722	Cover Decoration (Left)	1				
	620 183 6929	Shelter-Volume	1				
	620 183 6936	Shelter-Loudness	1				
	620 185 9492	Knob Guide	1				
	620 101 3955	Clear Indicator	1				
	620 183 8206	Clear Indicator	1				
14	620 200 4365	Assy, Knob, Hinge Power	1				
15	620 200 1692	Panel, Rear	1				
16	620 183 6677	Panel Front	1				
17	620 094 8746	Cover Top	1				
18	620 183 7049	Plate Bottom	1				
19	620 185 2240	Indicator CD Direct	1				
20	620 075 2725	Knob Volume Assy	1				
21	620 190 6233	Side Wood Right	1				
22	620 190 6240	Side Wood Left	1				
23	620 183 8626	Wood Cap	4				
24	620 108 6287	Knob	1				
25	620 183 8824	Knob-Balance	3				
26	620 183 8831	Knob Push-Surround	1				
27	620 183 8848	Knob-Function	1				
28	620 183 8862	Knob Push-Loudness	1				
29	620 184 0056	Filter	1				
30	620 184 0384	Metal Mount	1				
31	620 184 0407	Bracket-Headphone Jack	1				
32	620 184 0414	Bracket-Balance	1				
33	620 184 0421	Bracket-Trans	1				
34	620 184 0445	Bracket-Cover	4				
35	620 184 0452	Bracket-PCB	1				
36	620 184 0834	Heat Sink	1				
37	620 123 0833	SCR Bind TAP-B + M4X10	4				
38	620 200 1722	Bracket-E, Power-TML	1				
39	620 182 8887	Short Plug (Line IN/OUT)	2				
40	$\Delta$ 620 023 7550	Power Cord	1				
41	$\Delta$ 620 199 2939	Power Trans	1				
42	$\Delta$ 620 017 1212	AC Socket	2				
45	620 199 7477	Main P.C.B. Assy	1				
46	620 199 8283	Front Control P.C.B. Assy	1				

# POWER AMPLIFIER ADJUSTMENT

## BEFORE ADJUSTMENT

Unplug the AC power cord and set the front panel controls as follows:

- Power switch to OFF position.
- Set the SPEAKERS switch to the OFF position.
- Turn the MASTER VOLUME Control to minimum.
- IDLING CURRENT ADJUSTMENT P501/P502 (on the Power Transistor P.C.Board) setting to mechanical center position.
- Connect the AC power cord and Power switch to the ON position.

## IDLING CURRENT ADJUSTMENT

This adjustment is very sensitive to changes in ambient temperature. Allow set to operate for 2 minutes before attempting this alignment.

### LEFT AMPLIFIER

1. Connect the Ammeter between TP-1 and TP-2 on the Power Transistor Left P.C.Board.
2. Adjust the P501 for an indication of 18mA on the Ammeter as shown in Fig.1 below.

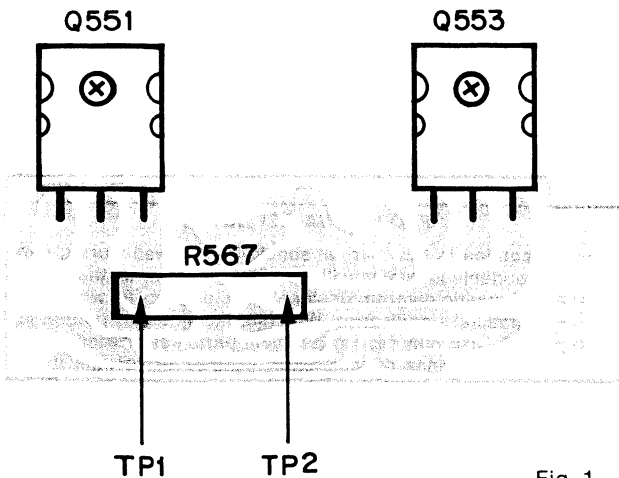


Fig. 1

### RIGHT AMPLIFIER

1. Connect the Ammeter between TP-3 and TP-4 on the Power Transistor Right P.C.Board.
2. Adjust the P502 for an indication of 18mA on the Ammeter as shown in Fig.2 below.

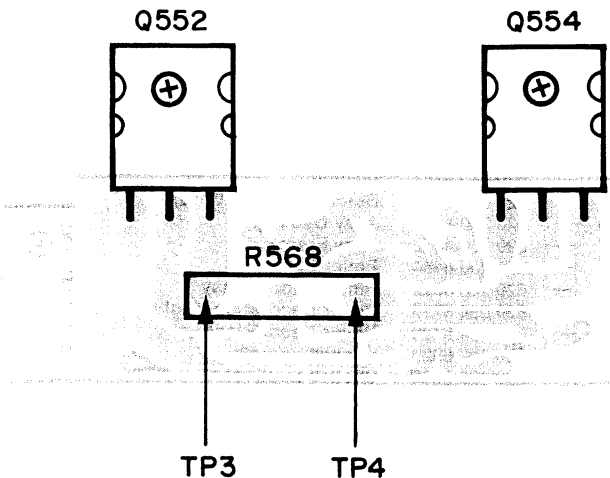
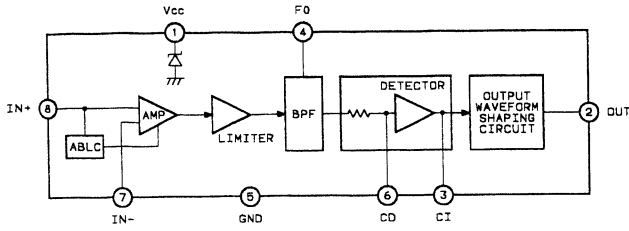


Fig. 2

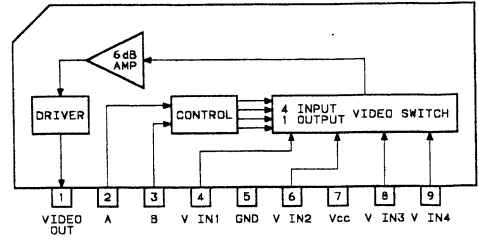


# IC BLOCK DIAGRAM

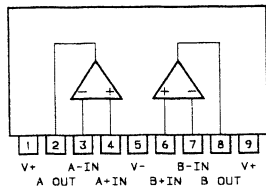
## UPC1490HA BLOCK DIAGRAM



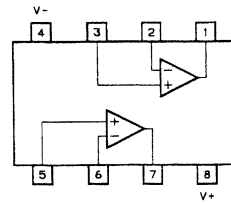
## LA7952 BLOCK DIAGRAM



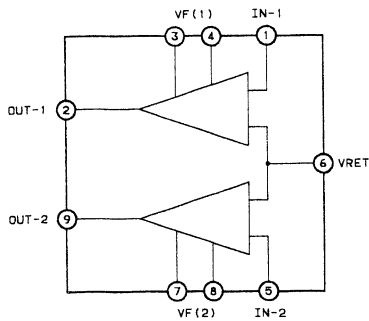
## LA6462S BLOCK DIAGRAM



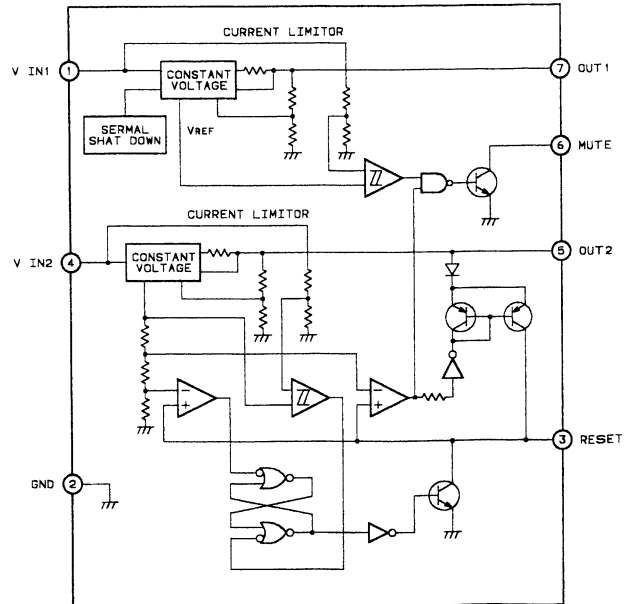
## LA6462D BLOCK DIAGRAM



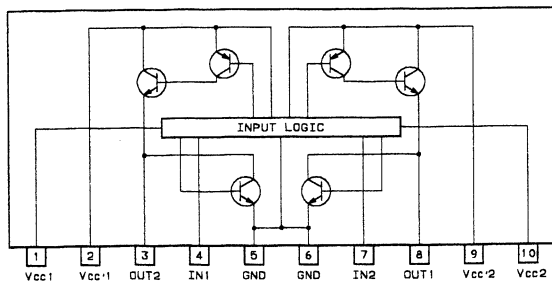
## LA2500 BLOCK DIAGRAM



## LA5667 BLOCK DIAGRAM

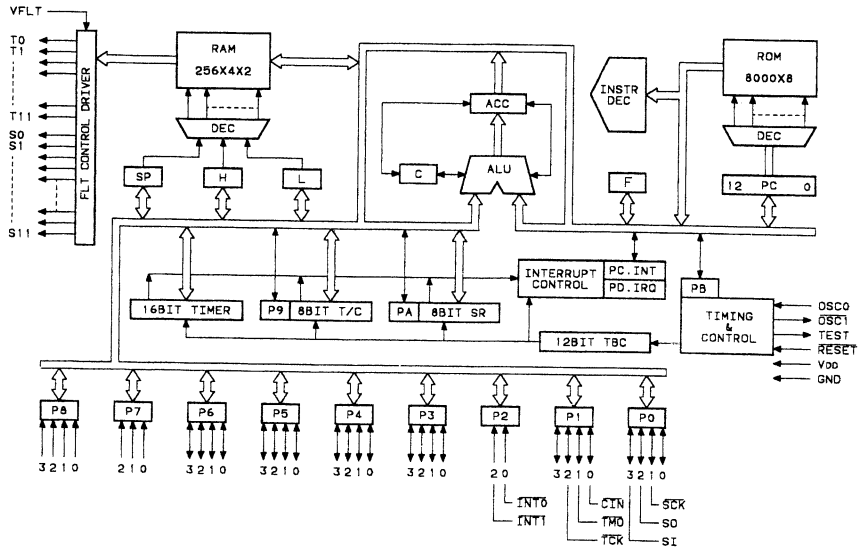


## LB1642 BLOCK DIAGRAM

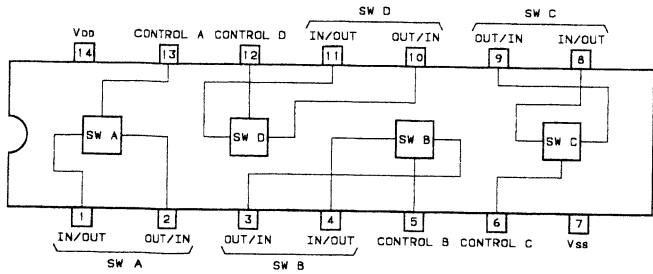


# IC BLOCK DIAGRAM (Continued)

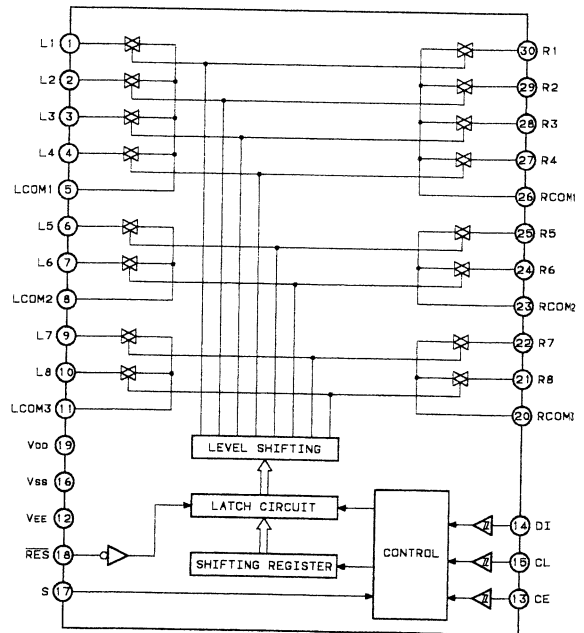
## MSC6458-30 BLOCK DIAGRAM



## LC4966 BLOCK DIAGRAM



## LC7821 BLOCK DIAGRAM



## P.C.BOARD PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
<b>MAIN P.C.B. ASSY</b>							
45	620 199 7477	Main P.C.B. Assy	1	Q512	405 016 3708	TR 2SC2910-S	1
	620 017 2721	Fuse Clip	4	Q513	405 016 3708	TR 2SC2910-S	1
	620 022 3492	Terminal Lug	1	Q514	405 016 3708	TR 2SC2910-S	1
	411 020 8004	SCR S-TPG BRZ 3X8	4	Q515	405 002 8908	TR 2SA1208-S	1
	620 031 4763	Wire Wrap Terminal	13	Q516	405 002 8908	TR 2SA1208-S	1
	620 053 9241	Plate Heat Sink	4	Q517	405 042 9507	TR 2SC3902-S	1
CA201	620 185 0338	Connector 3P Assy	1	Q518	405 042 9507	TR 2SC3902-S	1
CA216	620 185 2684	Connector 1P Assy	1	Q519	405 042 4106	TR 2SA1507-S	1
CN207	620 021 5954	Plug 6P	1	Q520	405 042 4106	TR 2SA1507-S	1
CN208	620 021 5923	Plug 3P	1	Q521	405 019 2708	TR 2SC536-F-NP-AA	1
CN211	620 021 6234	Plug 7P	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
F501	△ 423 003 7201	FUSE 250V T0.5A	1	Q522	405 019 2708	TR 2SC536-F-NP-AA	1
F502	△ 423 003 7201	FUSE 250V T0.5A	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
JK501	620 182 8702	Pin Jack 2P W/Shield	1	Q523	405 004 4502	TR 2SA608-F-NP-AA	1
JK502	620 182 8719	Pin Jack 4P W/Shield	1	or	405 004 5103	TR 2SA608-G-SPA-AC	1
JK503	620 182 8740	Pin Jack 6P W/Shield	1	Q524	405 004 4502	TR 2SA608-F-NP-AA	1
JK504	620 182 8719	Pin Jack 4P W/Shield	1	or	405 004 5103	TR 2SA608-G-SPA-AC	1
JK505	620 182 8733	Pin Jack 6P W/Shield	1	Q525	405 019 2708	TR 2SC536-F-NP-AA	1
JK506	620 182 8733	Pin Jack 6P W/Shield	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
JK507	620 018 1839	Jack 5P	1	Q526	405 004 4502	TR 2SA608-F-NP-AA	1
JW502	620 185 0383	Wire 3 Parallel	1	or	405 004 5103	TR 2SA608-G-SPA-AC	1
JW507	620 184 9486	Wire 5 Parallel	1	Q527	405 019 2708	TR 2SC536-F-NP-AA	1
JW508	620 184 9486	Wire 5 Parallel	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
JW509	620 184 9479	Wire 4 Parallel	1	Q528	405 019 2708	TR 2SC536-F-NP-AA	1
JW510	620 184 9479	Wire 4 Parallel	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
L501	620 026 5447	RF Filter	1	Q529	405 019 2708	TR 2SC536-F-NP-AA	1
L502	620 026 5447	RF Filter	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
P501	620 006 3142	Potentiometer 470B	1	Q530	405 019 2708	TR 2SC536-F-NP-AA	1
P502	620 006 3142	Potentiometer 470B	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
IC211	409 079 9509	IC LA2500	1	Q531	405 004 4502	TR 2SA608-F-NP-AA	1
IC212	409 079 9509	IC LA2500	1	or	405 004 5103	TR 2SA608-G-SPA-AC	1
IC213	409 018 5203	IC LA6462D	1	Q532	405 035 7107	TR 2SD1913-R	1
D501	407 008 0405	DIODE GMB01-BT	1	Q533	405 052 8002	TR 2SB1274-R	1
D502	407 008 0405	DIODE GMB01-BT	1	Q534	405 019 2708	TR 2SC536-F-NP-AA	1
D503	407 008 0405	DIODE GMB01-BT	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
D504	407 008 0405	DIODE GMB01-BT	1	Q535	405 004 4502	TR 2SA608-F-NP-AA	1
D505	407 008 0405	DIODE GMB01-BT	1	or	405 004 5103	TR 2SA608-G-SPA-AC	1
D506	407 008 0405	DIODE GMB01-BT	1	Q536	405 023 8505	TR 2SD438-F-MP	1
D507	407 008 0405	DIODE GMB01-BT	1	Q537	405 007 5308	TR 2SB560-F-MP	1
D508	407 008 0405	DIODE GMB01-BT	1	C401	403 049 1708	ELECT 1U M 50V	1
D509	407 049 7708	ZENER DIODE GZA18X-BT	1	C402	403 049 1708	ELECT 1U M 50V	1
D510	407 004 9105	DIODE DSF10C-BT	1	C403	403 044 8207	ELECT 10U M 25V	1
D511	407 008 0405	DIODE GMB01-BT	1	C404	403 044 8207	ELECT 10U M 25V	1
D512	407 008 0405	DIODE GMB01-BT	1	C405	403 023 1700	CERAMIC 33P K 50V	1
D513	407 008 0405	DIODE GMB01-BT	1	C406	403 023 1700	CERAMIC 33P K 50V	1
D514	407 008 0405	DIODE GMB01-BT	1	C407	403 044 8207	ELECT 10U M 25V	1
D515	407 049 7906	ZENER DIODE GZA18Z	1	C408	403 044 8207	ELECT 10U M 25V	1
D516	407 049 7906	ZENER DIODE GZA18Z	1	C409	403 001 6208	CERAMIC 2700P M 16V	1
D517	407 008 0405	DIODE GMB01-BT	1	C410	403 001 6208	CERAMIC 2700P M 16V	1
D518	407 008 0405	DIODE GMB01-BT	1	C411	403 051 2106	ELECT 4.7U M 50V	1
D519	407 008 0405	DIODE GMB01-BT	1	C412	403 051 2106	ELECT 4.7U M 50V	1
D520	407 008 0405	DIODE GMB01-BT	1	C415	403 042 3501	ELECT 100U M 16V	1
D521	407 049 7906	ZENER DIODE GZA18Z	1	C416	403 042 3501	ELECT 100U M 16V	1
D522	407 049 7906	ZENER DIODE GZA18Z	1	C417	403 008 5204	CERAMIC 10P D 50V	1
D523	407 004 9105	DIODE DSF10C-BT	1	C418	403 008 5204	CERAMIC 10P D 50V	1
D524	407 004 9105	DIODE DSF10C-BT	1	C420	403 008 5204	CERAMIC 10P D 50V	1
D525	407 004 9105	DIODE DSF10C-BT	1	C421	403 062 0900	POLYESTER 0.047U K 50V	1
D526	407 004 9105	DIODE DSF10C-BT	1	C422	403 062 0900	POLYESTER 0.047U K 50V	1
D527	407 005 3805	DIODE DS442-BT	1	C423	403 069 0705	CERAMIC 1000P K 50V	1
D528	407 005 3805	DIODE DS442-BT	1	C424	403 069 0705	CERAMIC 1000P K 50V	1
D529	407 005 3805	DIODE DS442-BT	1	C425	403 006 4209	CERAMIC 1P C 50V	1
D530	407 005 3805	DIODE DS442-BT	1	C426	403 006 4209	CERAMIC 1P C 50V	1
D531	407 005 3805	DIODE DS442-BT	1	C427	403 067 7805	MT-COMPO 0.47U J 50V	1
D532	407 005 3805	DIODE DS442-BT	1	C428	403 067 7805	MT-COMPO 0.47U J 50V	1
D533	407 005 3805	DIODE DS442-BT	1	C429	403 067 7805	MT-COMPO 0.47U J 50V	1
D534	407 005 3805	DIODE DS442-BT	1	C430	403 067 7805	MT-COMPO 0.47U J 50V	1
Q501	405 039 5802	TR 2SC3792	1	C431	403 063 0503	POLYESTER 6800P K 50V	1
Q502	405 039 5802	TR 2SC3792	1	C432	403 063 0503	POLYESTER 6800P K 50V	1
Q503	405 016 9205	TR 2SC3067-G	1	C433	403 026 5408	CERAMIC 47P K 50V	1
Q504	405 016 9205	TR 2SC3067-G	1	C434	403 026 5408	CERAMIC 47P K 50V	1
Q505	405 019 2708	TR 2SC536-F-NP-AA	1	C435	403 026 5408	CERAMIC 47P K 50V	1
or	405 019 3804	TR 2SC536-G-NP-AA	1	C436	403 026 5408	CERAMIC 47P K 50V	1
Q506	405 019 2708	TR 2SC536-F-NP-AA	1	C437	403 056 8608	POLYESTER 1000P K 50V	1
Q507	405 002 8908	TR 2SA1208-S	1	C438	403 056 8608	POLYESTER 1000P K 50V	1
Q508	405 002 8908	TR 2SA1208-S	1	C439	403 056 8608	POLYESTER 1000P K 50V	1
Q509	405 002 8908	TR 2SA1208-S	1	C440	403 056 8608	POLYESTER 1000P K 50V	1
Q510	405 002 8908	TR 2SA1208-S	1	C441	403 059 6601	POLYESTER 0.022U K 50V	1
Q511	405 016 3708	TR 2SC2910-S	1	C442	403 059 6601	POLYESTER 0.022U K 50V	1

## P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
C443	403 059 6601	POLYESTER 0.022U K 50V	1	C524	403 071 6207	CERAMIC 220P K 50V	1
C444	403 059 6601	POLYESTER 0.022U K 50V	1	RY501	620 017 0413	Relay	1
C445	403 062 0900	POLYESTER 0.047U K 50V	1	R401	401 025 7805	CARBON 2.2K JA 1/6W	1
C446	403 062 0900	POLYESTER 0.047U K 50V	1	R402	401 016 3809	CARBON 2.2K JA 1/4W	1
C447	403 067 5603	MT-COMPO 0.1U J 50V	1	R403	401 025 8703	CARBON 220K JA 1/6W	1
C448	403 067 5603	MT-COMPO 0.1U J 50V	1	R404	401 025 8703	CARBON 220K JA 1/6W	1
C449	403 051 8603	ELECT 10U M 63V	1	R405	401 024 7707	CARBON 100K JA 1/6W	1
C450	403 051 8603	ELECT 10U M 63V	1	R406	401 024 7707	CARBON 100K JA 1/6W	1
C451	403 051 8603	ELECT 10U M 63V	1	R407	401 025 8208	CARBON 22K JA 1/6W	1
C452	403 051 8603	ELECT 10U M 63V	1	R408	401 025 8208	CARBON 22K JA 1/6W	1
C453	403 047 4305	ELECT 47U M 25V	1	R409	401 027 8602	CARBON 8.2K JA 1/6W	1
C454	403 047 4305	ELECT 47U M 25V	1	R410	401 027 8602	CARBON 8.2K JA 1/6W	1
C455	403 052 1009	ELECT 22U M 63V	1	R411	401 024 7707	CARBON 100K JA 1/6W	1
C456	403 052 1009	ELECT 22U M 63V	1	R412	401 024 7707	CARBON 100K JA 1/6W	1
C457	403 052 1009	ELECT 22U M 63V	1	R413	401 020 0801	CARBON 470 JA 1/4W	1
C458	403 052 1009	ELECT 22U M 63V	1	R414	401 026 9600	CARBON 470 JA 1/6W	1
C459	403 044 8207	ELECT 10U M 25V	1	R415	401 020 0801	CARBON 470 JA 1/4W	1
C460	403 085 7603	NP-ELECT 10U M 25V	1	R416	401 020 0801	CARBON 470 JA 1/4W	1
C461	403 039 7901	ELECT 100U M 10V	1	R417	401 025 4606	CARBON 18K JA 1/6W	1
C462	403 044 8207	ELECT 10U M 25V	1	R418	401 015 3800	CARBON 18K JA 1/4W	1
C463	403 044 8207	ELECT 10U M 25V	1	R419	401 026 9907	CARBON 4.7K JA 1/6W	1
C464	403 047 4305	ELECT 47U M 25V	1	R420	401 025 4606	CARBON 18K JA 1/6W	1
C465	403 047 4305	ELECT 47U M 25V	1	R421	401 018 4903	CARBON 33K JA 1/4W	1
C466	403 044 8207	ELECT 10U M 25V	1	R422	401 018 4903	CARBON 33K JA 1/4W	1
C467	403 044 8207	ELECT 10U M 25V	1	R425	401 012 5708	CARBON 1K JA 1/4W	1
C468	403 044 8207	ELECT 10U M 25V	1	R426	401 012 5708	CARBON 1K JA 1/4W	1
C469	403 044 8207	ELECT 10U M 25V	1	R427	401 025 4606	CARBON 18K JA 1/6W	1
C470	403 047 4305	ELECT 47U M 25V	1	R428	401 025 4606	CARBON 18K JA 1/6W	1
C471	403 047 4305	ELECT 47U M 25V	1	R429	401 021 1906	CARBON 560 JA 1/4W	1
C472	404 012 7000	CERAMIC 0.01U P 500V	1	R430	401 021 1906	CARBON 560 JA 1/4W	1
C473	404 012 7000	CERAMIC 0.01U P 500V	1	R431	401 026 7002	CARBON 3.9K JA 1/6W	1
C474	404 012 7000	CERAMIC 0.01U P 500V	1	R432	401 026 7002	CARBON 3.9K JA 1/6W	1
C475	404 012 7000	CERAMIC 0.01U P 500V	1	R433	401 026 7002	CARBON 3.9K JA 1/6W	1
C476	403 052 9609	ELECT 1000U M 35V	1	R434	401 026 7002	CARBON 3.9K JA 1/6W	1
C477	403 052 9609	ELECT 1000U M 35V	1	R435	402 016 5800	FUSIBLE RES 82 J- 1/2W	1
C479	403 009 2103	CERAMIC 10P J 50V	1	R436	402 016 5800	FUSIBLE RES 82 J- 1/2W	1
C480	403 009 2103	CERAMIC 10P J 50V	1	R437	401 067 6507	OXIDE-MT 3.3K JA 2W	1
C481	403 003 3601	CERAMIC 0.022U N 25V	1	R438	401 067 6507	OXIDE-MT 3.3K JA 2W	1
C483	403 071 6207	CERAMIC 220P K 50V	1	R439	402 037 6909	FUSIBLE RES 82 JA 1/4W	1
C484	403 071 6207	CERAMIC 220P K 50V	1	R440	402 037 6909	FUSIBLE RES 82 JA 1/4W	1
C485	403 071 6207	CERAMIC 220P K 50V	1	R441	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
C486	403 071 6207	CERAMIC 220P K 50V	1	R442	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
C487	403 071 6207	CERAMIC 220P K 50V	1	R443	402 039 3500	FUSIBLE RES 22 JA 1/4W	1
C488	403 071 6207	CERAMIC 220P K 50V	1	R444	402 039 3500	FUSIBLE RES 22 JA 1/4W	1
C489	403 071 6207	CERAMIC 220P K 50V	1	R445	402 036 4302	FUSIBLE RES 100 J- 1/4W	1
C490	403 071 6207	CERAMIC 220P K 50V	1	R446	402 036 4302	FUSIBLE RES 100 J- 1/4W	1
C491	403 071 6207	CERAMIC 220P K 50V	1	R447	402 036 4302	FUSIBLE RES 100 J- 1/4W	1
C492	403 071 6207	CERAMIC 220P K 50V	1	R448	402 036 4302	FUSIBLE RES 100 J- 1/4W	1
C493	403 071 6207	CERAMIC 220P K 50V	1	R449	401 026 9600	CARBON 470 JA 1/6W	1
C494	403 071 6207	CERAMIC 220P K 50V	1	R450	401 026 9600	CARBON 470 JA 1/6W	1
C495	403 071 6207	CERAMIC 220P K 50V	1	R451	401 027 8305	CARBON 820 JA 1/6W	1
C496	403 071 6207	CERAMIC 220P K 50V	1	R452	401 027 8305	CARBON 820 JA 1/6W	1
C497	403 071 6207	CERAMIC 220P K 50V	1	R453	401 014 5201	CARBON 15K JA 1/4W	1
C498	403 071 6207	CERAMIC 220P K 50V	1	R454	401 014 5201	CARBON 15K JA 1/4W	1
C499	403 072 8200	CERAMIC 330P K 50V	1	R455	401 014 5201	CARBON 15K JA 1/4W	1
C500	403 072 8200	CERAMIC 330P K 50V	1	R456	401 014 5201	CARBON 15K JA 1/4W	1
C501	403 073 7004	CERAMIC 470P K 50V	1	R457	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
C502	403 073 7004	CERAMIC 470P K 50V	1	R458	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
C503	403 072 8200	CERAMIC 330P K 50V	1	R459	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
C504	403 072 8200	CERAMIC 330P K 50V	1	R460	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
C505	403 073 7004	CERAMIC 470P K 50V	1	R461	401 014 5201	CARBON 15K JA 1/4W	1
C506	403 073 7004	CERAMIC 470P K 50V	1	R462	401 014 5201	CARBON 15K JA 1/4W	1
C507	403 072 8200	CERAMIC 330P K 50V	1	R463	402 037 7104	FUSIBLE RES 2.2 JA 1/4W	1
C508	403 072 8200	CERAMIC 330P K 50V	1	R464	402 037 7104	FUSIBLE RES 2.2 JA 1/4W	1
C509	403 073 7004	CERAMIC 470P K 50V	1	R465	402 037 7104	FUSIBLE RES 2.2 JA 1/4W	1
C510	403 073 7004	CERAMIC 470P K 50V	1	R466	402 037 7104	FUSIBLE RES 2.2 JA 1/4W	1
C511	403 072 8200	CERAMIC 330P K 50V	1	R467	402 036 2902	FUSIBLE RES 270 JA 1/4W	1
C512	403 072 8200	CERAMIC 330P K 50V	1	R468	402 036 2902	FUSIBLE RES 270 JA 1/4W	1
C513	403 073 7004	CERAMIC 470P K 50V	1	R469	402 016 4605	FUSIBLE RES 100 J- 1/2W	1
C514	403 073 7004	CERAMIC 470P K 50V	1	R470	402 016 4605	FUSIBLE RES 100 J- 1/2W	1
C515	403 072 8200	CERAMIC 330P K 50V	1	R471	402 016 4506	FUSIBLE RES 10 J- 1/2W	1
C516	403 072 8200	CERAMIC 330P K 50V	1	R472	402 016 4506	FUSIBLE RES 10 J- 1/2W	1
C517	403 073 7004	CERAMIC 470P K 50V	1	R473	401 021 4105	CARBON 56K JA 1/4W	1
C518	403 073 7004	CERAMIC 470P K 50V	1	R474	401 021 4105	CARBON 56K JA 1/4W	1
C519	403 072 8200	CERAMIC 330P K 50V	1	R476	401 014 5201	CARBON 15K JA 1/4W	1
C520	403 072 8200	CERAMIC 330P K 50V	1	R477	401 027 0309	CARBON 47K JA 1/6W	1
C521	403 073 7004	CERAMIC 470P K 50V	1	R478	401 026 9907	CARBON 4.7K JA 1/6W	1
C522	403 073 7004	CERAMIC 470P K 50V	1	R479	401 024 7400	CARBON 10K JA 1/6W	1
C523	403 071 6207	CERAMIC 220P K 50V	1	R480	401 017 2801	CARBON 27K JA 1/4W	1

## P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
R481	401 027 0309	CARBON 47K JA 1/6W	1	CN212	620 021 6579	Plug 6P	1
R482	401 020 0801	CARBON 470 JA 1/4W	1	CN214	620 021 6586	Plug 7P	1
R483	401 056 4002	OXIDE-MT 4.7K JA 1/2W	1	CN215	620 021 6524	Plug 3P	1
R484	401 024 7400	CARBON 10K JA 1/6W	1	LP801	620 030 8083	Lamp	1
R485	401 018 4903	CARBON 33K JA 1/4W	1	S801	620 016 7819	Tact Switch 160G	1
R486	401 018 4903	CARBON 33K JA 1/4W	1	S802	620 016 7819	Tact Switch 160G	1
R487	401 012 4503	CARBON 100 JA 1/4W	1	S803	620 016 7819	Tact Switch 160G	1
R488	401 012 4503	CARBON 100 JA 1/4W	1	S804	620 016 7819	Tact Switch 160G	1
R489	402 016 4605	FUSIBLE RES 100 J- 1/2W	1	S805	620 016 7819	Tact Switch 160G	1
R490	402 016 4605	FUSIBLE RES 100 J- 1/2W	1	S806	620 016 7819	Tact Switch 160G	1
R491	402 039 3500	FUSIBLE RES 22 JA 1/4W	1	S807	620 016 7819	Tact Switch 160G	1
R492	402 039 3500	FUSIBLE RES 22 JA 1/4W	1	S808	620 016 7819	Tact Switch 160G	1
R493	401 026 9907	CARBON 4.7K JA 1/6W	1	S809	620 016 7819	Tact Switch 160G	1
R494	401 026 9907	CARBON 4.7K JA 1/6W	1	S810	620 016 7819	Tact Switch 160G	1
R495	401 024 6700	CARBON 100 JA 1/6W	1	S811	620 016 7819	Tact Switch 160G	1
R496	401 024 6700	CARBON 100 JA 1/6W	1	S812	620 016 4375	Push Switch 2P2T	1
R497	401 027 1009	CARBON 5.6 JA 1/6W	1	S813	620 015 2693	Tact Switch 1P1T	1
R498	401 027 1009	CARBON 5.6 JA 1/6W	1	IC801	409 168 1209	IC MSC6458-30	1
R499	401 025 7805	CARBON 2.2K JA 1/6W	1	IC802	409 020 4102	IC LB1642	1
R500	401 025 7805	CARBON 2.2K JA 1/6W	1	Q803	405 019 2708	TR 2SC536-F-NP-AA	1
R501	401 024 7004	CARBON 1K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
R502	401 024 7004	CARBON 1K JA 1/6W	1	Q804	405 019 2708	TR 2SC536-F-NP-AA	1
R503	401 024 7004	CARBON 1K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
R504	401 024 7004	CARBON 1K JA 1/6W	1	Q805	405 019 2708	TR 2SC536-F-NP-AA	1
R505	401 024 7004	CARBON 1K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
R506	401 024 7004	CARBON 1K JA 1/6W	1	Q806	405 004 4502	TR 2SA608-F-NP-AA	1
R507	401 024 7004	CARBON 1K JA 1/6W	1	or	405 004 5103	TR 2SA608-G-SPA-AC	1
R508	401 024 7004	CARBON 1K JA 1/6W	1	Q807	405 019 2708	TR 2SC536-F-NP-AA	1
R509	401 024 7004	CARBON 1K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
R510	401 024 7004	CARBON 1K JA 1/6W	1	Q808	405 004 4502	TR 2SA608-F-NP-AA	1
R511	401 024 7004	CARBON 1K JA 1/6W	1	or	405 004 5103	TR 2SA608-G-SPA-AC	1
R512	401 024 7004	CARBON 1K JA 1/6W	1	Q809	405 019 2708	TR 2SC536-F-NP-AA	1
R513	401 024 7004	CARBON 1K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
R514	401 024 7004	CARBON 1K JA 1/6W	1	Q810	405 019 2708	TR 2SC536-F-NP-AA	1
R515	401 024 9305	CARBON 1.2K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP-AA	1
R516	401 024 9305	CARBON 1.2K JA 1/6W	1	Q811	405 019 2708	TR 2SC536-F-NP	1
R517	401 024 9305	CARBON 1.2K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP	1
R518	401 024 9305	CARBON 1.2K JA 1/6W	1	Q812	405 019 2708	TR 2SC536-F-NP	1
R519	401 024 9305	CARBON 1.2K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP	1
R520	401 024 9305	CARBON 1.2K JA 1/6W	1	Q813	405 019 2708	TR 2SC536-F-NP	1
R521	401 024 9305	CARBON 1.2K JA 1/6W	1	or	405 019 3804	TR 2SC536-G-NP	1
R522	401 024 9305	CARBON 1.2K JA 1/6W	1	Q814	405 023 5306	TR 2SD400-F-MP	1
R523	401 024 9305	CARBON 1.2K JA 1/6W	1	Q815	405 023 8505	TR 2SD438-F-MP	1
R524	401 024 9305	CARBON 1.2K JA 1/6W	1	Q816	405 075 8300	TR DTC124TS	1
R525	401 024 9305	CARBON 1.2K JA 1/6W	1	Q817	405 075 8300	TR DTC124TS	1
R526	401 024 9305	CARBON 1.2K JA 1/6W	1	D811	407 008 0405	DIODE GMB01-BT	1
R527	401 013 6407	CARBON 12K JA 1/4W	1	D812	407 008 0405	DIODE GMB01-BT	1
R528	401 013 6407	CARBON 12K JA 1/4W	1	D813	407 008 0405	DIODE GMB01-BT	1
R529	401 025 7805	CARBON 2.2K JA 1/6W	1	D814	407 008 0405	DIODE GMB01-BT	1
R530	401 025 7805	CARBON 2.2K JA 1/6W	1	D815	407 008 0405	DIODE GMB01-BT	1
R531	401 025 7805	CARBON 2.2K JA 1/6W	1	D816	407 008 0405	DIODE GMB01-BT	1
R532	401 025 7805	CARBON 2.2K JA 1/6W	1	D817	407 008 0405	DIODE GMB01-BT	1
R533	402 015 9403	FUSIBLE RES 56 J- 1/4W	1	D818	407 008 0405	DIODE GMB01-BT	1
R534	402 015 9403	FUSIBLE RES 56 J- 1/4W	1	D819	407 008 0405	DIODE GMB01-BT	1
R535	401 024 7004	CARBON 1K JA 1/6W	1	D820	407 008 0405	DIODE GMB01-BT	1
R536	401 024 7004	CARBON 1K JA 1/6W	1	D821	407 008 0405	DIODE GMB01-BT	1
R537	401 024 7004	CARBON 1K JA 1/6W	1	D822	407 008 0405	DIODE GMB01-BT	1
R538	401 024 7004	CARBON 1K JA 1/6W	1	D823	407 008 0405	DIODE GMB01-BT	1
R539	401 024 7004	CARBON 1K JA 1/6W	1	D824	407 008 0405	DIODE GMB01-BT	1
R540	401 024 7004	CARBON 1K JA 1/6W	1	D825	407 008 0405	DIODE GMB01-BT	1
R541	401 024 7004	CARBON 1K JA 1/6W	1	D826	407 008 0405	DIODE GMB01-BT	1
R542	401 024 7004	CARBON 1K JA 1/6W	1	D827	407 008 0405	DIODE GMB01-BT	1
R543	401 024 7004	CARBON 1K JA 1/6W	1	D828	407 008 0405	DIODE GMB01-BT	1
R544	401 024 7004	CARBON 1K JA 1/6W	1	D829	407 008 0405	DIODE GMB01-BT	1
R545	401 024 7004	CARBON 1K JA 1/6W	1	D830	407 004 9105	DIODE DSF10C-BT	1
R546	401 024 7004	CARBON 1K JA 1/6W	1	D831	407 050 4703	ZENER DIODE GZA5.1X	1
				D832	407 050 5502	ZENER DIODE GZA5.6Y	1
				D833	407 050 2303	ZENER DIODE GZA30Z	1
				D834	407 098 9906	LED SLZ-171E-03	1
				D835	407 008 0405	DIODE GMB01-BT	1
				D836	407 008 0405	DIODE GMB01	1
				C801	403 018 8509	CERAMIC 220P K 50V	1
				C802	403 018 8509	CERAMIC 220P K 50V	1
				C803	403 049 1708	ELECT 1U M 50V	1
				C804	403 044 8207	ELECT 10U M 25V	1
				C805	403 072 2703	CERAMIC 0.022U Z 50V	1
				C806	403 039 7901	ELECT 100U M 10V	1
				C807	403 044 8207	ELECT 10U M 25V	1
				C808	403 044 8207	ELECT 10U M 25V	1
<b>FRONT CONTROL P.C.B. ASSY</b>							
46	620 199 8283	Front Control P.C.B. Assy	1				
	620 004 3045	Digitron BL-57GK	1				
	620 052 4803	Cushion	1				
	620 183 1030	Cushion	1				
	620 183 1047	Moldplane	1				
	620 184 0865	Reflector	1				
CA207	620 184 8250	Connector 6P Assy	1				
CA209	620 184 8281	Connector 5P Assy	1				
CA211	620 185 0260	Connector 7P Assy	1				
CA213	620 185 2707	Connector 3P Assy	1				
CF801	620 007 3349	Ceramic.OSC CSA4.00	1				

## P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
C809	403 049 5508	ELECT 10U M 50V	1
C810	403 049 5508	ELECT 10U M 50V	1
R801	401 020 2003	CARBON 4.7K JA 1/4W	1
R802	401 020 2003	CARBON 4.7K JA 1/4W	1
R803	401 020 2003	CARBON 4.7K JA 1/4W	1
R804	401 026 9907	CARBON 4.7K JA 1/6W	1
R805	401 026 9907	CARBON 4.7K JA 1/6W	1
R806	401 026 9907	CARBON 4.7K JA 1/6W	1
R810	401 027 9005	CARBON 82K JA 1/6W	1
R811	401 012 8105	CARBON 100K JA 1/4W	1
R812	401 025 7805	CARBON 2.2K JA 1/6W	1
R813	401 026 9600	CARBON 470 JA 1/6W	1
R814	401 012 7009	CARBON 10K JA 1/4W	1
R815	401 026 9907	CARBON 4.7K JA 1/6W	1
R816	401 026 9907	CARBON 4.7K JA 1/6W	1
R817	401 020 2003	CARBON 4.7K JA 1/4W	1
R818	401 020 2003	CARBON 4.7K JA 1/4W	1
R819	401 020 2003	CARBON 4.7K JA 1/4W	1
R820	401 016 4806	CARBON 22K JA 1/4W	1
R821	401 016 4806	CARBON 22K JA 1/4W	1
R822	401 016 5803	CARBON 220K JA 1/4W	1
R823	401 016 5803	CARBON 220K JA 1/4W	1
R824	401 025 8703	CARBON 220K JA 1/6W	1
R825	401 025 8703	CARBON 220K JA 1/6W	1
R826	401 027 0309	CARBON 47K JA 1/6W	1
R827	401 016 3809	CARBON 2.2K JA 1/4W	1
R828	401 020 2003	CARBON 4.7K JA 1/4W	1
R829	401 024 7400	CARBON 10K JA 1/6W	1
R830	401 024 7400	CARBON 10K JA 1/6W	1
R831	401 027 0309	CARBON 47K JA 1/6W	1
R832	401 024 7400	CARBON 10K JA 1/6W	1
R833	401 027 0309	CARBON 47K JA 1/6W	1
R834	401 026 4605	CARBON 33K JA 1/6W	1
R835	401 025 4606	CARBON 18K JA 1/6W	1
R836	401 023 1706	CARBON 820 JA 1/4W	1
R837	401 012 7009	CARBON 10K JA 1/4W	1
R838	401 024 7400	CARBON 10K JA 1/6W	1
R839	401 025 4606	CARBON 18K JA 1/6W	1
R840	401 026 4605	CARBON 33K JA 1/6W	1
R841	401 024 7400	CARBON 10K JA 1/6W	1
R842	401 024 7400	CARBON 10K JA 1/6W	1
R843	401 024 7400	CARBON 10K JA 1/6W	1
R844	401 024 7400	CARBON 10K JA 1/6W	1
R845	401 024 7707	CARBON 100K JA 1/6W	1
R846	401 024 7707	CARBON 100K JA 1/6W	1
R847	401 024 7707	CARBON 100K JA 1/6W	1
R848	401 063 5405	OXIDE-MT 82 JB 1W	1
R849	401 058 2600	OXIDE-MT 100 JB 1W	1
R850	401 027 8305	CARBON 820 JA 1/6W	1
R851	402 016 1000	FUSIBLE RES 0.47 J- 1/2W	1
R852	401 016 3809	CARBON 2.2K JA 1/4W	1
R853	401 055 1903	OXIDE-MT 150 JA 1/2W	1
R854	401 014 4105	CARBON 1.5K JA 1/4W	1
R855	401 020 0801	CARBON 470 JA 1/4W	1
R856	401 020 2003	CARBON 4.7K JA 1/4W	1
R857	401 026 9907	CARBON 4.7K JA 1/6W	1

Following the PCB Remote Assy is included in Assy,PCB,Front Control.

### PCB REMOTE ASSY

	620 185 2882	PCB Remote Assy	1
	620 118 2156	Case Shield Top	1
	620 118 2262	Case Shield Bottom	1
JW401	620 185 0376	Wire 3 Parallel	1
IC401	409 056 9409	IC UPC1490HA	1
D401	407 061 8509	DIODE TPS704	1
or	407 065 0905	PHOTO DIODE SPS-501C-1	1
C401	403 039 3200	ELECT 47U M 6.3V	1
C402	403 072 7906	CERAMIC 330P K 50V	1
C403	403 050 8000	ELECT 3.3U M 50V	1
C404	403 048 3406	ELECT 0.22U M 50V	1
R401	401 024 6700	CARBON 100 JA 1/6W	1
R402	401 025 8208	CARBON 22K JA 1/6W	1
R403	401 025 3500	CARBON 160K JA 1/6W	1
R404	401 026 8108	CARBON 4.7 JA 1/6W	1

Ref. No.	Part No.	Description	Q'ty
<b>BACK UP TRANS P.C.B. ASSY</b>			
47	620 199 8306	Back up Trans P.C.B. Assy	1
	620 017 2721	Fuse Clip	6
	620 018 3536	Fuse Holder	6
	620 022 2587	EC Terminal 1P	2
	411 020 8004	SCR S-TPG BRZ 3X8	1
	620 031 4763	Wire Wrap Terminal	2
	620 053 7025	Cover Safety	1
	620 053 8848	Plate Heat Sink	1
CA212	620 185 2691	Connector 6P Assy	1
C607	△ 620 006 6679	Capacitor 0.01MF400V	1
F601	△ 423 006 4702	FUSE 250V T2.5A	1
F602	△ 423 003 7201	FUSE 250V T0.5A	1
F603	△ 423 003 7201	FUSE 250V T0.5A	1
PT601	△ 620 199 2946	Power Trans,SEV	1
RY601	620 017 0390	Relay	1
IC601	409 074 0808	IC LA5667	1
Q601	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
D601	407 005 8602	DIODE ERA15-02	1
D602	407 005 1603	DIODE DS135D	1
D603	407 005 1603	DIODE DS135D	1
C601	403 052 6905	ELECT 10U M 35V	1
C602	403 052 6905	ELECT 10U M 35V	1
C603	403 044 8207	ELECT 10U M 25V	1
C604	403 044 8207	ELECT 10U M 25V	1
C605	403 054 2608	ELECT 470U M 35V	1
C608	404 012 7000	CERAMIC 0.01U P 500V	1
C609	404 012 7000	CERAMIC 0.01U P 500V	1
R601	402 016 4506	FUSIBLE RES 10 J- 1/2W	1
R602	402 039 3302	FUSIBLE RES 150 JA 1/2W	1

### POWER TRANS P.C.B. ASSY

48	620 199 8313	Power Trans P.C.B. Assy	1
	620 017 2721	Fuse Clip	2
CN213	620 021 5923	Plug 3P	1
F901	△ 423 003 7201	FUSE 250V T0.5A	1
D901	407 014 2509	DIODE 30DC1S	1
D902	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D903	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D904	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D905	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D906	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
D907	407 004 9105	DIODE DSF10C-BT	1
or	407 005 1603	DIODE DS135D	1
C901	404 012 7000	CERAMIC 0.01U P 500V	1
C902	404 012 7000	CERAMIC 0.01U P 500V	1
C903	404 012 7000	CERAMIC 0.01U P 500V	1
C904	404 012 7000	CERAMIC 0.01U P 500V	1
C905	404 012 7000	CERAMIC 0.01U P 500V	1
C906	404 012 7000	CERAMIC 0.01U P 500V	1
C907	404 012 7000	CERAMIC 0.01U P 500V	1
C908	404 012 7000	CERAMIC 0.01U P 500V	1
C909	403 049 7304	ELECT 100U M 50V	1
C910	403 047 6309	ELECT 470U M 25V	1
C911	403 097 6700	ELECT 330U M 50V	1

### POWER SUPPLY P.C.B. ASSY

49	620 199 8344	Power Supply P.C.B. Assy	1
D908	407 014 2400	DIODE 30DC1RS	1
C912	404 012 7000	CERAMIC 0.01U P 500V	1
C913	404 012 7000	CERAMIC 0.01U P 500V	1
C914	404 038 5004	ELECT 10000U Q 63V	1
C915	404 038 5004	ELECT 10000U Q 63V	1

### FUSE P.C.B. ASSY

50	620 199 8351	Fuse P.C.B. Assy	1
	620 017 2721	Fuse Clip	4
F902	△ 423 007 7702	FUSE 250V T6.3A	1
F903	△ 423 007 7702	FUSE 250V T6.3A	1

## P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
<b>TONE P.C.B. ASSY</b>				<b>POWER TRANSISTOR LEFT P.C.B. ASSY</b>			
51	620 200 7410	Tone P.C.B. Assy	1	55	620 183 4628	Power Transistor Left P.C.B. Assy	1
CA203	620 185 0321	Connector 3P Assy	1	Q551	405 017 7705	TR 2SC3280-O	1
CA205	620 185 0345	Connector 5P Assy	1	Q553	405 003 3902	TR 2SA1301-O	1
JK201	620 017 1663	Jack 7P	1	Q555	405 024 6906	TR 2SD636-R	1
VR301	620 182 6883	VR 2X50KB	1	PS501	408 007 7600	TH PTH487A01BB222TS	1
VR302	620 182 6876	VR 2X100KB	1	TH501	407 105 3606	THERMISTOR 112251-2	1
IC209	409 018 5401	IC LA6462S	1	R551	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
IC210	409 018 5401	IC LA6462S	1	R553	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
C301	403 049 1708	ELECT 1U M 50V	1	R555	401 022 4104	CARBON 68K JA 1/4W	1
C302	403 049 1708	ELECT 1U M 50V	1	R557	401 022 4104	CARBON 68K JA 1/4W	1
C303	403 023 1700	CERAMIC 33P K 50V	1	R559	401 018 2800	CARBON 330 JA 1/4W	1
C304	403 023 1700	CERAMIC 33P K 50V	1	R561	401 018 2800	CARBON 330 JA 1/4W	1
C305	403 023 1700	CERAMIC 33P K 50V	1	R563	401 015 1608	CARBON 180 JA 1/4W	1
C306	403 023 1700	CERAMIC 33P K 50V	1	R565	401 026 6609	CARBON 390 JA 1/6W	1
C307	403 057 6306	POLYESTER 1200P K 50V	1	R567	620 004 4196	Cement 2X0.22 J	1
C308	403 057 6306	POLYESTER 1200P K 50V	1	R569	401 026 3905	CARBON 330 JA 1/6W	1
C309	403 057 6306	POLYESTER 1200P K 50V	1	R571	401 026 3905	CARBON 330 JA 1/6W	1
C310	403 057 6306	POLYESTER 1200P K 50V	1	<b>POWER TRANSISTOR RIGHT P.C.B. ASSY</b>			
C311	403 060 2807	POLYESTER 0.027U K 50V	1	56	620 183 4635	Power Transistor Right P.C.B. Assy	1
C312	403 060 2807	POLYESTER 0.027U K 50V	1	Q552	405 017 7705	TR 2SC3280-O	1
C313	403 046 4603	ELECT 33U M 25V	1	Q554	405 003 3902	TR 2SA1301-O	1
C314	403 046 4603	ELECT 33U M 25V	1	Q556	405 024 6906	TR 2SD636-R	1
C315	403 047 4305	ELECT 47U M 25V	1	PS502	408 007 7600	TH PTH487A01BB222TS	1
C316	403 047 4305	ELECT 47U M 25V	1	TH502	407 105 3606	THERMISTOR 112251-2	1
C317	403 047 4305	ELECT 47U M 25V	1	R552	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
C318	403 047 4305	ELECT 47U M 25V	1	R554	402 034 3109	FUSIBLE RES 2.2 J- 1/2W	1
R331	401 027 0309	CARBON 47K JA 1/6W	1	R556	401 022 4104	CARBON 68K JA 1/4W	1
R332	401 027 0309	CARBON 47K JA 1/6W	1	R558	401 022 4104	CARBON 68K JA 1/4W	1
R333	401 027 0309	CARBON 47K JA 1/6W	1	R560	401 018 2800	CARBON 330 JA 1/4W	1
R334	401 027 0309	CARBON 47K JA 1/6W	1	R562	401 018 2800	CARBON 330 JA 1/4W	1
R335	401 016 3809	CARBON 2.2K JA 1/4W	1	R564	401 015 1608	CARBON 180 JA 1/4W	1
R336	401 025 7805	CARBON 2.2K JA 1/6W	1	R566	401 026 6609	CARBON 390 JA 1/6W	1
R337	401 016 3809	CARBON 2.2K JA 1/4W	1	R568	620 004 4196	Cement 2X0.22 J	1
R338	401 025 7805	CARBON 2.2K JA 1/6W	1	R570	401 026 3905	CARBON 330 JA 1/6W	1
R339	401 025 4606	CARBON 18K JA 1/6W	1	R572	401 026 3905	CARBON 330 JA 1/6W	1
R340	401 025 4606	CARBON 18K JA 1/6W	1	<b>INPUT BUFFER P.C.B. ASSY</b>			
R341	401 025 4606	CARBON 18K JA 1/6W	1	57	620 183 4666	Input Buffer P.C.B. Assy	1
R342	401 025 4606	CARBON 18K JA 1/6W	1	PL101	620 182 9082	Pin Plug 4P	1
R343	401 025 4903	CARBON 180K JA 1/6W	1	PL102	620 182 9082	Pin Plug 4P	1
R344	401 025 4903	CARBON 180K JA 1/6W	1	PL103	620 182 9082	Pin Plug 4P	1
R345	401 025 4903	CARBON 180K JA 1/6W	1	PL104	620 182 9082	Pin Plug 4P	1
R346	401 025 4903	CARBON 180K JA 1/6W	1	PL105	620 182 9082	Pin Plug 4P	1
R347	401 024 7707	CARBON 100K JA 1/6W	1	PL106	620 182 9082	Pin Plug 4P	1
R348	401 024 7707	CARBON 100K JA 1/6W	1	PL107	620 182 9082	Pin Plug 4P	1
R349	401 026 9600	CARBON 470 JA 1/6W	1	PL108	620 182 9099	Pin Plug 5P	1
R350	401 026 9600	CARBON 470 JA 1/6W	1	ST101	620 182 8672	Socket 17P	1
R351	401 026 9600	CARBON 470 JA 1/6W	1	ST102	620 182 8672	Socket 17P	1
R352	401 026 9600	CARBON 470 JA 1/6W	1	IC101	409 018 5203	IC LA6462D	1
R353	401 112 5707	OXIDE-MT 470 JB 2W	1	IC102	409 018 5203	IC LA6462D	1
R354	401 112 5707	OXIDE-MT 470 JB 2W	1	IC103	409 018 5203	IC LA6462D	1
R355	401 112 5806	OXIDE-MT 120 JB 1/2W	1	IC104	409 018 5203	IC LA6462D	1
R356	401 112 5806	OXIDE-MT 120 JB 1/2W	1	IC105	409 018 5203	IC LA6462D	1
<b>LINE IN/OUT P.C.B. ASSY</b>				<b>LINE IN/OUT P.C.B. ASSY</b>			
52	620 201 4258	Line IN/OUT P.C.B. Assy	1	IC106	409 018 5203	IC LA6462D	1
	620 182 8726	Pin Jack 4P	1	Q101	405 010 9300	TR 2SC1570-H-NP	1
CA202	620 185 0314	Connector 6P Assy	1	Q102	405 010 9300	TR 2SC1570-H-NP	1
C351	403 071 6207	CERAMIC 220P K 50V	1	Q103	405 010 9300	TR 2SC1570-H-NP	1
C352	403 071 6207	CERAMIC 220P K 50V	1	Q104	405 010 9300	TR 2SC1570-H-NP	1
C353	403 071 6207	CERAMIC 220P K 50V	1	C101	403 024 8213	CERAMIC 390P K 50V	1
C354	403 071 6207	CERAMIC 220P K 50V	1	C102	403 024 8213	CERAMIC 390P K 50V	1
R371	401 025 7409	CARBON 220 JA 1/6W	1	C103	403 050 1605	ELECT 2.2U M 50V	1
R372	401 025 7409	CARBON 220 JA 1/6W	1	C104	403 050 1605	ELECT 2.2U M 50V	1
R373	401 025 7409	CARBON 220 JA 1/6W	1	C105	403 039 8106	ELECT 100U M 10V	1
R374	401 025 7409	CARBON 220 JA 1/6W	1	C106	403 039 8106	ELECT 100U M 10V	1
<b>SPEAKER TERMINAL P.C.B. ASSY</b>				<b>SPEAKER TERMINAL P.C.B. ASSY</b>			
53	620 183 4574	Speaker Terminal P.C.B. Assy	1	C107	403 009 8105	CERAMIC 100P K 50V	1
	620 182 9143	Speaker Terminal 4P	1	C108	403 009 8105	CERAMIC 100P K 50V	1
	620 182 9181	4P Terminal	1	C109	403 061 8709	POLYESTER 4700P K 50V	1
<b>VOLUME P.C.B. ASSY</b>				<b>VOLUME P.C.B. ASSY</b>			
54	620 183 4604	Volume P.C.B. Assy	1	C110	403 061 8709	POLYESTER 4700P K 50V	1
VR303	620 182 6852	Motor VR 20K30AMX2	1	C111	403 059 0401	POLYESTER 0.018U K 50V	1
CA206	620 184 8243	Connector 6P Assy	1	C112	403 059 0401	POLYESTER 0.018U K 50V	1
CA208	620 185 0291	Connector 3P Assy	1	C113	403 044 8504	ELECT 10U M 25V	1
CN209	620 021 5947	Plug 5P	1	C114	403 044 8504	ELECT 10U M 25V	1
CN210	620 021 7620	Plug 2P	1	C115	403 047 4404	ELECT 47U M 25V	1
				C116	403 047 4404	ELECT 47U M 25V	1
				C117	403 018 8509	CERAMIC 220P K 50V	1
				C118	403 018 8509	CERAMIC 220P K 50V	1
				C119	403 050 1605	ELECT 2.2U M 50V	1

## P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty	
C120	403 050 1605	ELECT	2.2U M 50V	1	R114	401 025 7409	CARBON 220 JA 1/6W	1
C121	403 044 8504	ELECT	10U M 25V	1	R115	401 026 9600	CARBON 470 JA 1/6W	1
C122	403 044 8504	ELECT	10U M 25V	1	R116	401 026 9600	CARBON 470 JA 1/6W	1
C123	403 047 4404	ELECT	47U M 25V	1	R117	401 024 7707	CARBON 100K JA 1/6W	1
C124	403 047 4404	ELECT	47U M 25V	1	R118	401 024 7707	CARBON 100K JA 1/6W	1
C125	403 018 8509	CERAMIC	220P K 50V	1	R119	401 024 7707	CARBON 100K JA 1/6W	1
C126	403 018 8509	CERAMIC	220P K 50V	1	R120	401 024 7707	CARBON 100K JA 1/6W	1
C127	403 050 1605	ELECT	2.2U M 50V	1	R121	401 027 2600	CARBON 5.6K JA 1/6W	1
C128	403 050 1605	ELECT	2.2U M 50V	1	R122	401 027 2600	CARBON 5.6K JA 1/6W	1
C129	403 044 8504	ELECT	10U M 25V	1	R123	401 024 7707	CARBON 100K JA 1/6W	1
C130	403 044 8504	ELECT	10U M 25V	1	R124	401 024 7707	CARBON 100K JA 1/6W	1
C131	403 047 4404	ELECT	47U M 25V	1	R125	401 025 7409	CARBON 220 JA 1/6W	1
C132	403 047 4404	ELECT	47U M 25V	1	R126	401 025 7409	CARBON 220 JA 1/6W	1
C133	403 018 8509	CERAMIC	220P K 50V	1	R127	401 026 9600	CARBON 470 JA 1/6W	1
C134	403 018 8509	CERAMIC	220P K 50V	1	R128	401 026 9600	CARBON 470 JA 1/6W	1
C135	403 050 1605	ELECT	2.2U M 50V	1	R129	401 024 7707	CARBON 100K JA 1/6W	1
C136	403 050 1605	ELECT	2.2U M 50V	1	R130	401 024 7707	CARBON 100K JA 1/6W	1
C137	403 044 8504	ELECT	10U M 25V	1	R131	401 024 7707	CARBON 100K JA 1/6W	1
C138	403 044 8504	ELECT	10U M 25V	1	R132	401 024 7707	CARBON 100K JA 1/6W	1
C139	403 047 4404	ELECT	47U M 25V	1	R133	401 024 7707	CARBON 100K JA 1/6W	1
C140	403 047 4404	ELECT	47U M 25V	1	R134	401 024 7707	CARBON 100K JA 1/6W	1
C141	403 018 8509	CERAMIC	220P K 50V	1	R135	401 025 7409	CARBON 220 JA 1/6W	1
C142	403 018 8509	CERAMIC	220P K 50V	1	R136	401 025 7409	CARBON 220 JA 1/6W	1
C143	403 050 1605	ELECT	2.2U M 50V	1	R137	401 026 9600	CARBON 470 JA 1/6W	1
C144	403 050 1605	ELECT	2.2U M 50V	1	R138	401 026 9600	CARBON 470 JA 1/6W	1
C145	403 046 4801	ELECT	33U M 25V	1	R139	401 024 7707	CARBON 100K JA 1/6W	1
C146	403 046 4801	ELECT	33U M 25V	1	R140	401 024 7707	CARBON 100K JA 1/6W	1
C147	403 047 4404	ELECT	47U M 25V	1	R141	401 024 7707	CARBON 100K JA 1/6W	1
C148	403 047 4404	ELECT	47U M 25V	1	R142	401 024 7707	CARBON 100K JA 1/6W	1
C149	403 018 8509	CERAMIC	220P K 50V	1	R143	401 027 2600	CARBON 5.6K JA 1/6W	1
C150	403 018 8509	CERAMIC	220P K 50V	1	R144	401 027 2600	CARBON 5.6K JA 1/6W	1
C151	403 050 1605	ELECT	2.2U M 50V	1	R145	401 024 7707	CARBON 100K JA 1/6W	1
C152	403 050 1605	ELECT	2.2U M 50V	1	R146	401 024 7707	CARBON 100K JA 1/6W	1
C153	403 023 1700	CERAMIC	33P K 50V	1	R147	401 025 7409	CARBON 220 JA 1/6W	1
C154	403 023 1700	CERAMIC	33P K 50V	1	R148	401 025 7409	CARBON 220 JA 1/6W	1
C155	403 047 1809	ELECT	4.7U M 25V	1	R149	401 026 9600	CARBON 470 JA 1/6W	1
C156	403 047 1809	ELECT	4.7U M 25V	1	R150	401 026 9600	CARBON 470 JA 1/6W	1
C157	403 044 8504	ELECT	10U M 25V	1	R151	401 024 7707	CARBON 100K JA 1/6W	1
C158	403 044 8504	ELECT	10U M 25V	1	R152	401 024 7707	CARBON 100K JA 1/6W	1
C159	403 047 4404	ELECT	47U M 25V	1	R153	401 024 7707	CARBON 100K JA 1/6W	1
C160	403 047 4404	ELECT	47U M 25V	1	R154	401 024 7707	CARBON 100K JA 1/6W	1
C161	403 018 8509	CERAMIC	220P K 50V	1	R155	401 024 7707	CARBON 100K JA 1/6W	1
C162	403 018 8509	CERAMIC	220P K 50V	1	R156	401 024 7707	CARBON 100K JA 1/6W	1
C163	403 050 1605	ELECT	2.2U M 50V	1	R157	401 025 7409	CARBON 220 JA 1/6W	1
C164	403 050 1605	ELECT	2.2U M 50V	1	R158	401 025 7409	CARBON 220 JA 1/6W	1
C165	403 047 1809	ELECT	4.7U M 25V	1	R159	401 026 9600	CARBON 470 JA 1/6W	1
C166	403 047 1809	ELECT	4.7U M 25V	1	R160	401 026 9600	CARBON 470 JA 1/6W	1
C167	403 044 8504	ELECT	10U M 25V	1	R161	401 024 7707	CARBON 100K JA 1/6W	1
C168	403 044 8504	ELECT	10U M 25V	1	R162	401 024 7707	CARBON 100K JA 1/6W	1
C169	403 023 1700	CERAMIC	33P K 50V	1	R163	401 024 7707	CARBON 100K JA 1/6W	1
C170	403 023 1700	CERAMIC	33P K 50V	1	R164	401 024 7707	CARBON 100K JA 1/6W	1
C171	403 047 4404	ELECT	47U M 25V	1	R165	401 027 3003	CARBON 56K JA 1/6W	1
C172	403 047 4404	ELECT	47U M 25V	1	R166	401 027 3003	CARBON 56K JA 1/6W	1
C173	403 018 8509	CERAMIC	220P K 50V	1	R167	401 026 4605	CARBON 33K JA 1/6W	1
C174	403 018 8509	CERAMIC	220P K 50V	1	R168	401 026 4605	CARBON 33K JA 1/6W	1
C175	403 050 1605	ELECT	2.2U M 50V	1	R169	401 024 7707	CARBON 100K JA 1/6W	1
C176	403 050 1605	ELECT	2.2U M 50V	1	R170	401 024 7707	CARBON 100K JA 1/6W	1
C177	403 047 1809	ELECT	4.7U M 25V	1	R171	401 025 7409	CARBON 220 JA 1/6W	1
C178	403 047 1809	ELECT	4.7U M 25V	1	R172	401 025 7409	CARBON 220 JA 1/6W	1
C179	403 023 1700	CERAMIC	33P K 50V	1	R173	401 020 0801	CARBON 470 JA 1/4W	1
C180	403 023 1700	CERAMIC	33P K 50V	1	R174	401 026 9600	CARBON 470 JA 1/6W	1
C181	403 044 8504	ELECT	10U M 25V	1	R175	401 024 7707	CARBON 100K JA 1/6W	1
C182	403 044 8504	ELECT	10U M 25V	1	R176	401 024 7707	CARBON 100K JA 1/6W	1
C183	403 047 4404	ELECT	47U M 25V	1	R177	401 024 7707	CARBON 100K JA 1/6W	1
C184	403 047 4404	ELECT	47U M 25V	1	R178	401 024 7707	CARBON 100K JA 1/6W	1
R100	401 026 9600	CARBON	470 JA 1/6W	1	R179	401 027 3003	CARBON 56K JA 1/6W	1
R101	401 024 7707	CARBON	100K JA 1/6W	1	R180	401 027 3003	CARBON 56K JA 1/6W	1
R102	401 024 7707	CARBON	100K JA 1/6W	1	R181	401 026 4605	CARBON 33K JA 1/6W	1
R103	401 024 7707	CARBON	100K JA 1/6W	1	R182	401 026 4605	CARBON 33K JA 1/6W	1
R104	401 024 7707	CARBON	100K JA 1/6W	1	R183	401 024 7707	CARBON 100K JA 1/6W	1
R105	401 025 9502	CARBON	240 JA 1/6W	1	R184	401 024 7707	CARBON 100K JA 1/6W	1
R106	401 025 9502	CARBON	240 JA 1/6W	1	R185	401 025 7409	CARBON 220 JA 1/6W	1
R107	401 025 1902	CARBON	15K JA 1/6W	1	R186	401 025 7409	CARBON 220 JA 1/6W	1
R108	401 025 1902	CARBON	15K JA 1/6W	1	R187	401 020 0801	CARBON 470 JA 1/4W	1
R109	401 025 4903	CARBON	180K JA 1/6W	1	R188	401 026 9600	CARBON 470 JA 1/6W	1
R110	401 025 4903	CARBON	180K JA 1/6W	1	R189	401 024 7707	CARBON 100K JA 1/6W	1
R111	401 024 7707	CARBON	100K JA 1/6W	1	R190	401 024 7707	CARBON 100K JA 1/6W	1
R112	401 024 7707	CARBON	100K JA 1/6W	1	R191	401 024 7707	CARBON 100K JA 1/6W	1
R113	401 025 7409	CARBON	220 JA 1/6W	1	R192	401 024 7707	CARBON 100K JA 1/6W	1





## P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
R275	401 026 9600	CARBON 470 JA 1/6W	1
R276	401 026 9600	CARBON 470 JA 1/6W	1
R277	401 026 1307	CARBON 27K JA 1/6W	1
R278	401 026 1307	CARBON 27K JA 1/6W	1
R279	401 024 7707	CARBON 100K JA 1/6W	1
R280	401 024 7707	CARBON 100K JA 1/6W	1
R281	401 024 7707	CARBON 100K JA 1/6W	1
R282	401 024 7707	CARBON 100K JA 1/6W	1
R283	401 025 7409	CARBON 220 JA 1/6W	1
R284	401 025 7409	CARBON 220 JA 1/6W	1
R285	401 027 2600	CARBON 5.6K JA 1/6W	1
R286	401 027 2600	CARBON 5.6K JA 1/6W	1
R287	401 027 0309	CARBON 47K JA 1/6W	1
R288	401 027 0309	CARBON 47K JA 1/6W	1
R289	401 020 0801	CARBON 470 JA 1/4W	1
R290	401 026 9600	CARBON 470 JA 1/6W	1
R291	401 025 7805	CARBON 2.2K JA 1/6W	1
R292	401 025 7805	CARBON 2.2K JA 1/6W	1
R293	401 025 8703	CARBON 220K JA 1/6W	1
R294	401 025 8703	CARBON 220K JA 1/6W	1
R295	401 024 7707	CARBON 100K JA 1/6W	1
R296	401 024 7707	CARBON 100K JA 1/6W	1
R297	401 025 7409	CARBON 220 JA 1/6W	1
R298	401 025 7409	CARBON 220 JA 1/6W	1
R299	401 027 2600	CARBON 5.6K JA 1/6W	1
R300	401 027 2600	CARBON 5.6K JA 1/6W	1
R301	401 027 0309	CARBON 47K JA 1/6W	1
R302	401 027 0309	CARBON 47K JA 1/6W	1
R303	401 026 9600	CARBON 470 JA 1/6W	1
R304	401 026 9600	CARBON 470 JA 1/6W	1
R305	401 024 7707	CARBON 100K JA 1/6W	1
R306	401 024 7707	CARBON 100K JA 1/6W	1
R307	401 024 7400	CARBON 10K JA 1/6W	1
R308	401 024 7400	CARBON 10K JA 1/6W	1
R309	401 025 8208	CARBON 22K JA 1/6W	1
R310	401 025 8208	CARBON 22K JA 1/6W	1
R311	401 025 1902	CARBON 15K JA 1/6W	1
R312	401 025 1902	CARBON 15K JA 1/6W	1
R313	401 025 8208	CARBON 22K JA 1/6W	1
R314	401 016 4806	CARBON 22K JA 1/4W	1
R315	401 024 7400	CARBON 10K JA 1/6W	1
R316	401 024 7400	CARBON 10K JA 1/6W	1
R317	401 012 8105	CARBON 100K JA 1/4W	1
R318	401 024 7707	CARBON 100K JA 1/6W	1
R319	401 026 9600	CARBON 470 JA 1/6W	1
R320	401 026 9600	CARBON 470 JA 1/6W	1
R321	401 024 7707	CARBON 100K JA 1/6W	1
R322	401 024 7707	CARBON 100K JA 1/6W	1
R323	401 027 0309	CARBON 47K JA 1/6W	1
R324	401 027 0309	CARBON 47K JA 1/6W	1
R325	401 027 0309	CARBON 47K JA 1/6W	1

### VIDEO SWITCH P.C.B. ASSY

62	620 191 2807	Video Switch P.C.B. Assy	1
	620 017 9058	Pin Jack 3P	1
	620 018 1846	Pin Jack 2P	2
	620 117 6902	Bracket P.C.B.	2
CA214	620 184 8274	Connector 7P Assy	1
CN201	620 021 6524	Plug 3P	1
IC201	409 116 1800	IC LA7952	1
IC202	409 116 1800	IC LA7952	1
Q204	405 011 8500	TR 2SC1740S-R	1
Q205	405 019 3804	TR 2SC536-G-NP-AA	1
Q206	405 019 3804	TR 2SC536-G-NP-AA	1
Q207	405 011 8500	TR 2SC1740S-R	1
Q208	405 019 3804	TR 2SC536-G-NP-AA	1
Q209	405 019 3804	TR 2SC536-G-NP-AA	1
C201	403 050 1308	ELECT 2.2U M 50V	1
C202	403 050 1308	ELECT 2.2U M 50V	1
C203	403 050 1308	ELECT 2.2U M 50V	1
C204	403 050 1308	ELECT 2.2U M 50V	1
C205	403 050 1308	ELECT 2.2U M 50V	1
C206	403 050 1308	ELECT 2.2U M 50V	1
C207	403 050 1308	ELECT 2.2U M 50V	1
C208	403 044 0300	ELECT 47U M 16V	1
C209	403 044 0300	ELECT 47U M 16V	1
C210	403 044 3004	ELECT 470U M 16V	1
C211	403 044 3004	ELECT 470U M 16V	1
C212	403 044 3004	ELECT 470U M 16V	1

Ref. No.	Part No.	Description	Q'ty
C213	403 050 1308	ELECT 2.2U M 50V	1
C214	403 001 2309	CERAMIC 0.01U N 16V	1
R201	401 022 6801	CARBON 75 JA 1/4W	1
R202	401 022 6801	CARBON 75 JA 1/4W	1
R203	401 022 6801	CARBON 75 JA 1/4W	1
R204	401 022 6801	CARBON 75 JA 1/4W	1
R210	401 019 1000	CARBON 390 JA 1/4W	1
R211	401 024 7400	CARBON 10K JA 1/6W	1
R212	401 022 6801	CARBON 75 JA 1/4W	1
R213	401 025 7409	CARBON 220 JA 1/6W	1
R214	401 025 7102	CARBON 22 JA 1/6W	1
R215	401 025 7805	CARBON 2.2K JA 1/6W	1
R216	401 025 1308	CARBON 150 JA 1/6W	1
R217	401 027 0309	CARBON 47K JA 1/6W	1
R218	401 019 1000	CARBON 390 JA 1/4W	1
R219	401 024 7400	CARBON 10K JA 1/6W	1
R220	401 022 6801	CARBON 75 JA 1/4W	1
R221	401 024 7004	CARBON 1K JA 1/6W	1
R222	401 024 7004	CARBON 1K JA 1/6W	1
R223	401 025 7409	CARBON 220 JA 1/6W	1
R224	401 025 7102	CARBON 22 JA 1/6W	1
R225	401 025 7805	CARBON 2.2K JA 1/6W	1
R226	401 025 1308	CARBON 150 JA 1/6W	1
R227	401 020 2904	CARBON 47K JA 1/4W	1
R228	401 019 1000	CARBON 390 JA 1/4W	1
R229	401 024 7400	CARBON 10K JA 1/6W	1
R230	401 022 6801	CARBON 75 JA 1/4W	1
R231	402 016 3400	FUSIBLE RES 56 J- 1/2W	1
R234	401 025 8208	CARBON 22K JA 1/6W	1
R235	401 025 1902	CARBON 15K JA 1/6W	1

### BRIDGE P.C.B. ASSY

63	620 184 7796	Bridge P.C.B. Assy	1
	620 182 7606	Bridge P.C.B.	1

### VOLUME IND. P.C.B. ASSY

64	620 184 7802	Volume IND. P.C.B. Assy	1
CA210	620 018 1952	Connector 2P Assy	1
D851	407 028 7903	LED SLP-171E	1

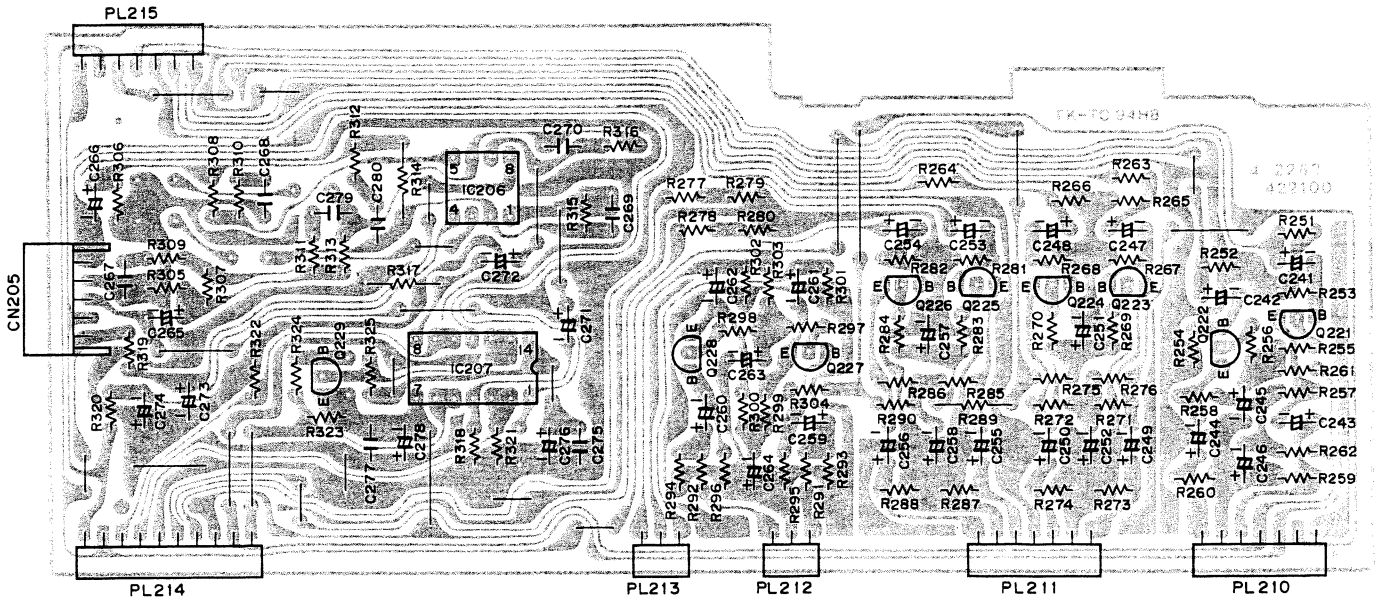
### NOTES:

- Parts order must contain Model Number, Part Number and Description.
- Ordering quantity of screws and resistors must be multiple of 10 pcs.

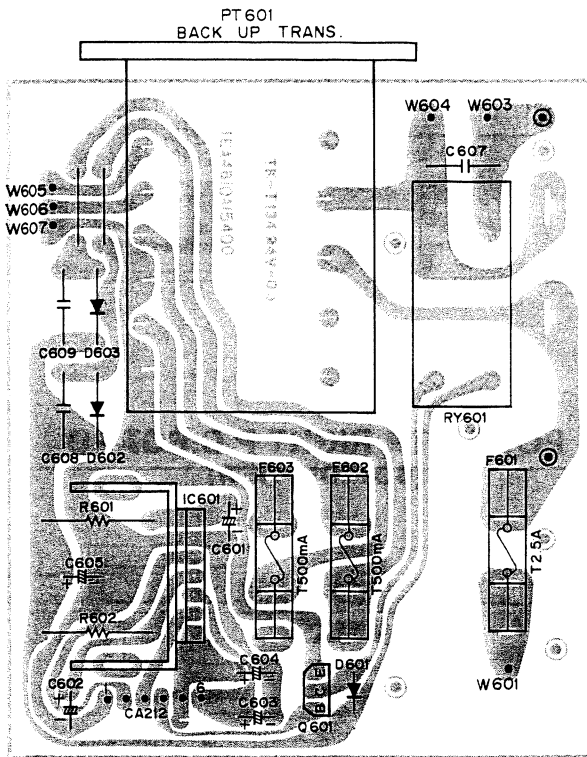
### PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol  $\Delta$  in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with  $\Delta$ , use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

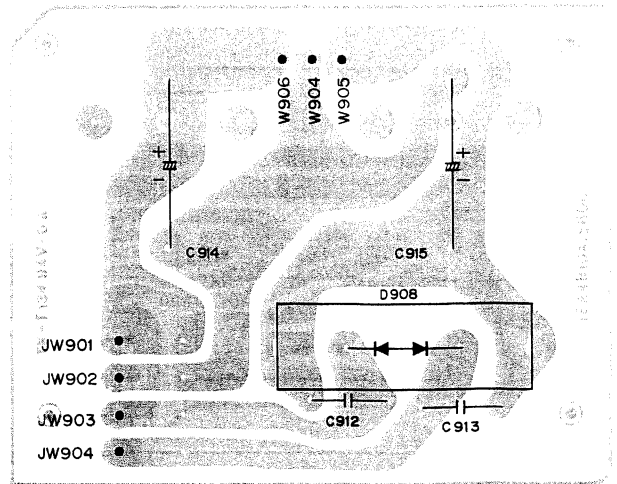
## SURROUND P.C.BOARD (BOTTOM VIEW)



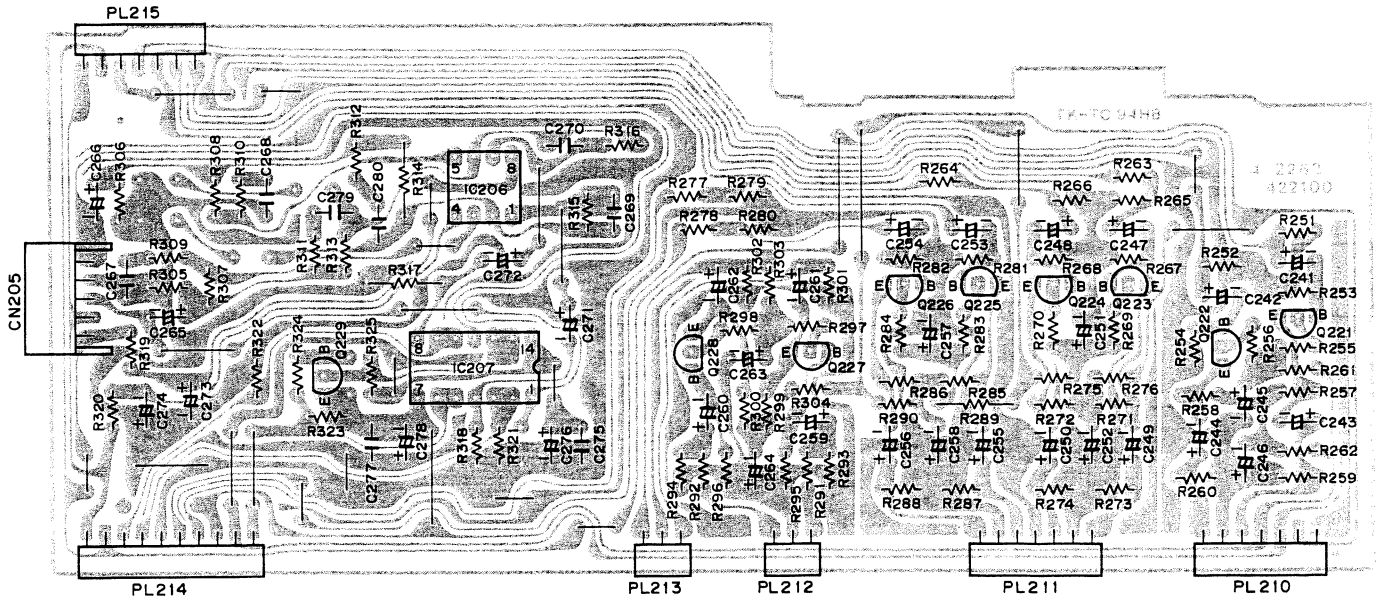
## BACK UP TRANS P.C.BOARD (BOTTOM VIEW)



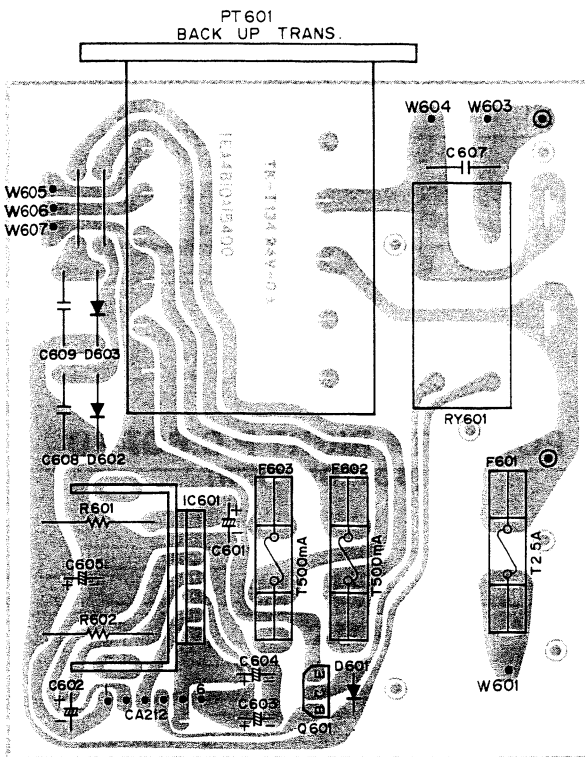
## POWER SUPPLY P.C.BOARD (BOTTOM VIEW)



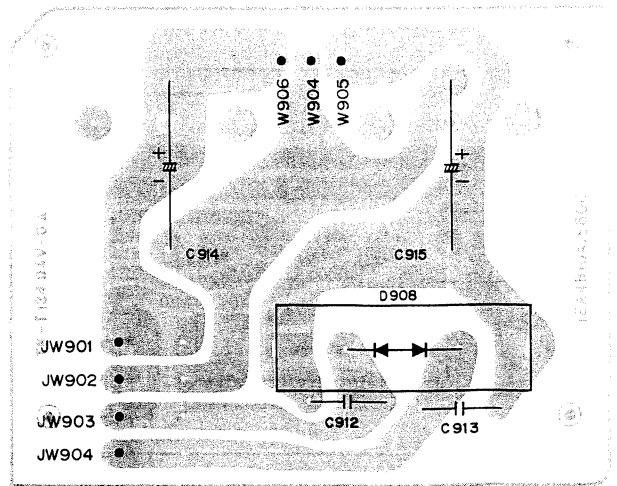
## SURROUND P.C.BOARD (BOTTOM VIEW)



## BACK UP TRANS P.C.BOARD (BOTTOM VIEW)

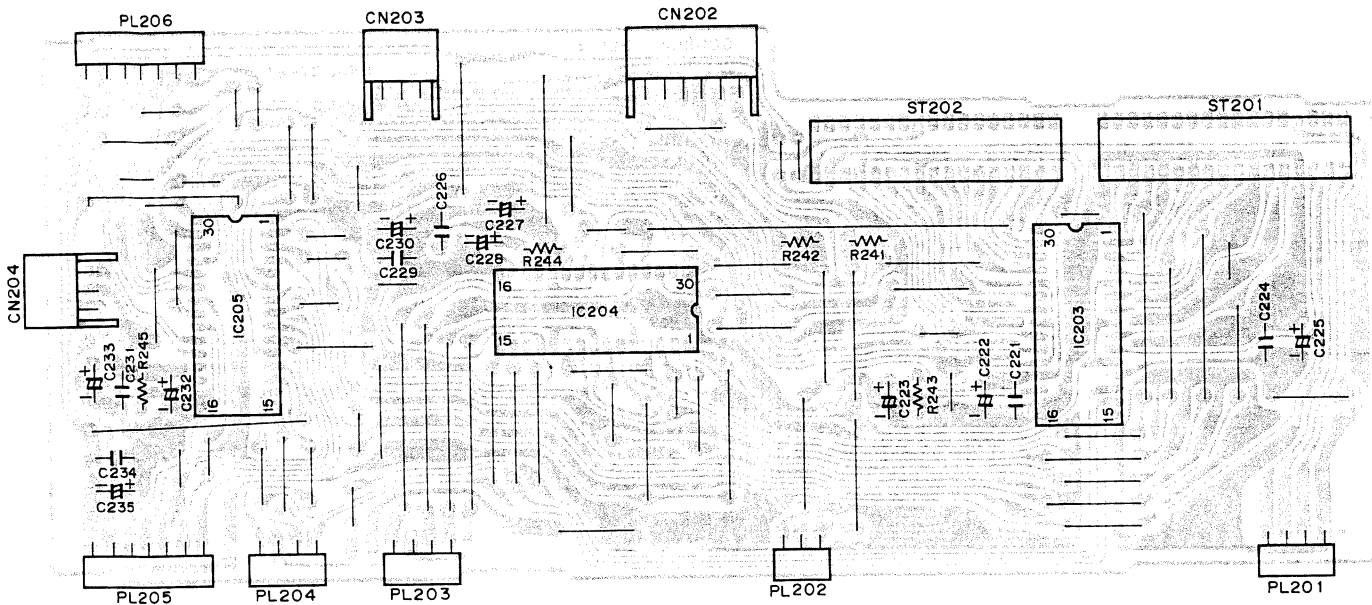


## POWER SUPPLY P.C.BOARD (BOTTOM VIEW)

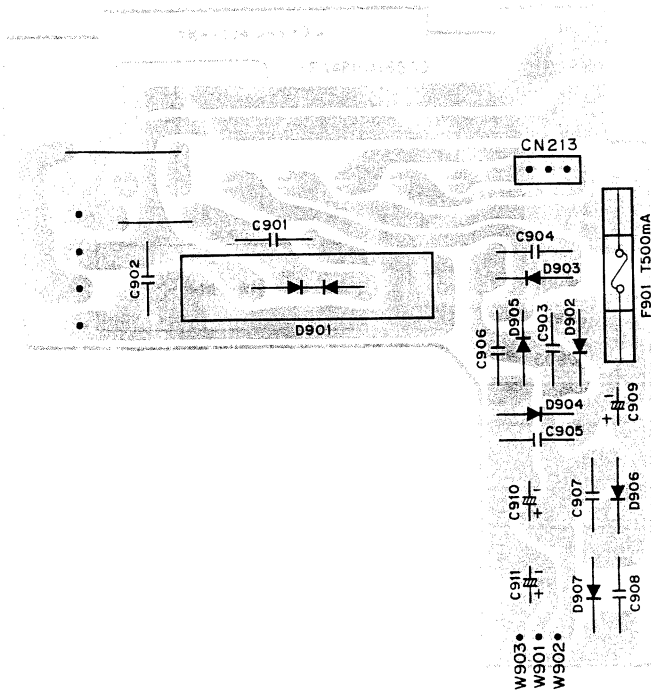




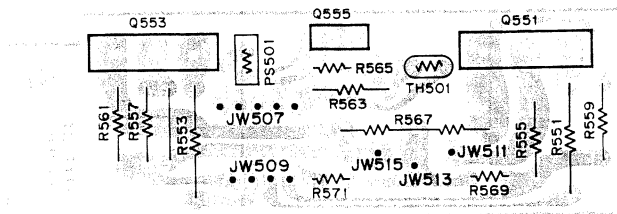
## ANALOGUE SW. P.C.BOARD (BOTTOM VIEW)



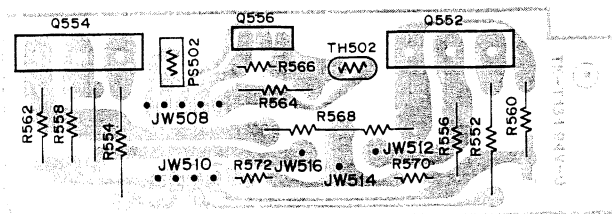
## POWER TRANS P.C.BOARD (BOTTOM VIEW)



## POWER TR LEFT P.C.BOARD (BOTTOM VIEW)

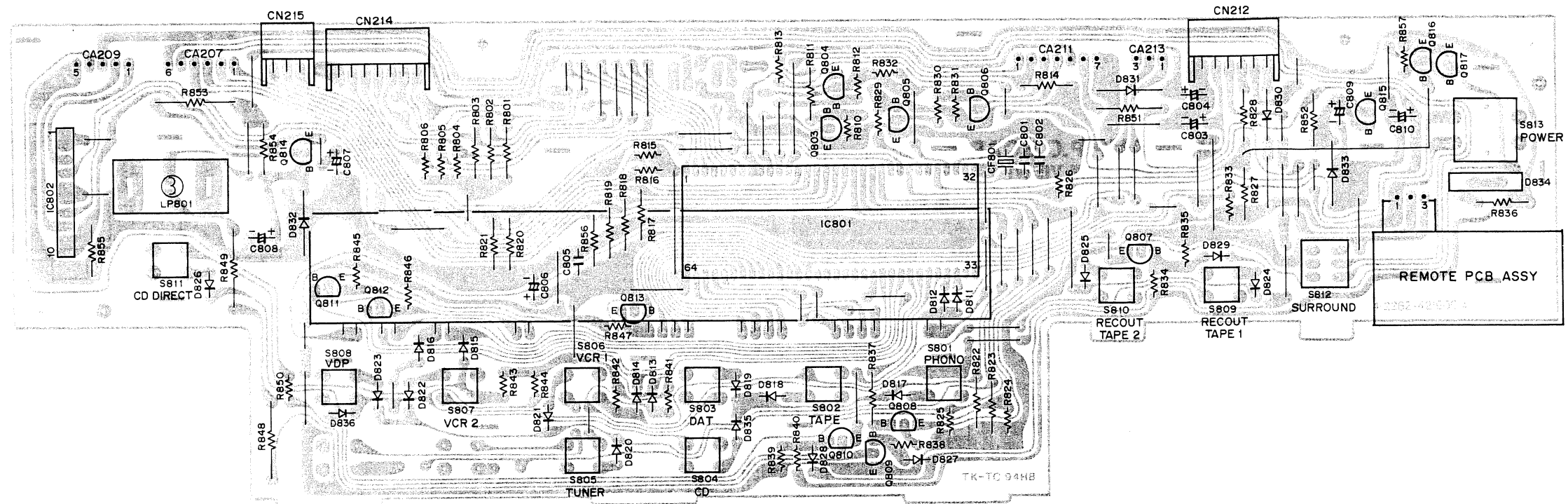


## POWER TR RIGHT P.C.BOARD (BOTTOM VIEW)

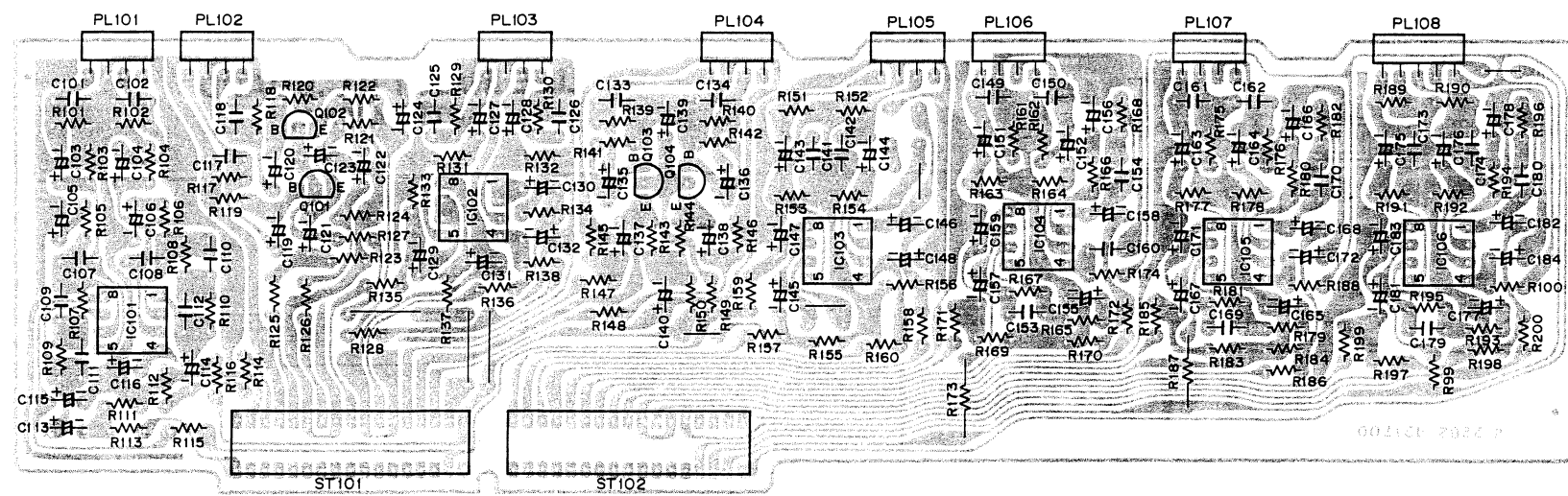




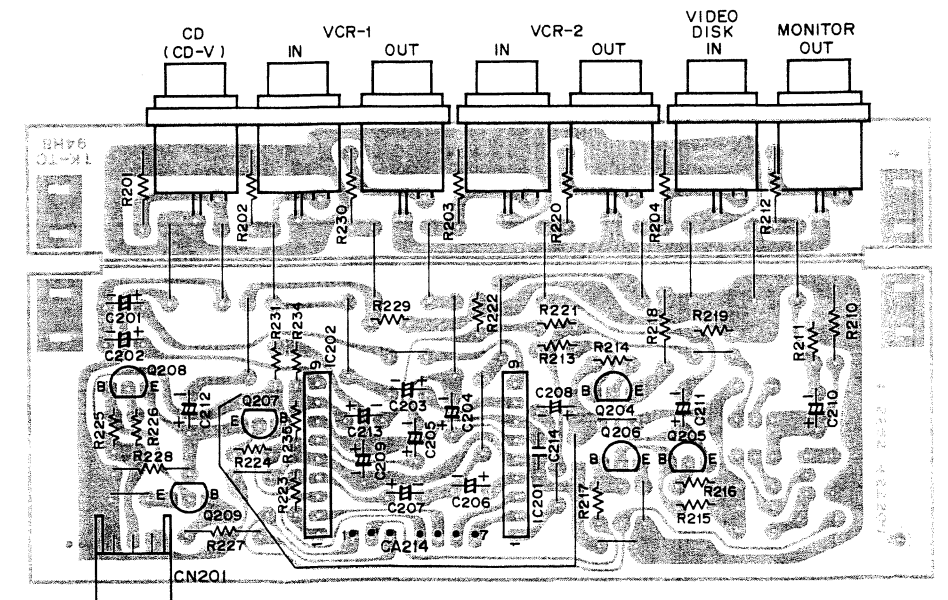
**FRONT CONTROL P.C.BOARD  
(BOTTOM VIEW)**



**INPUT BUFFER P.C.BOARD  
(BOTTOM VIEW)**



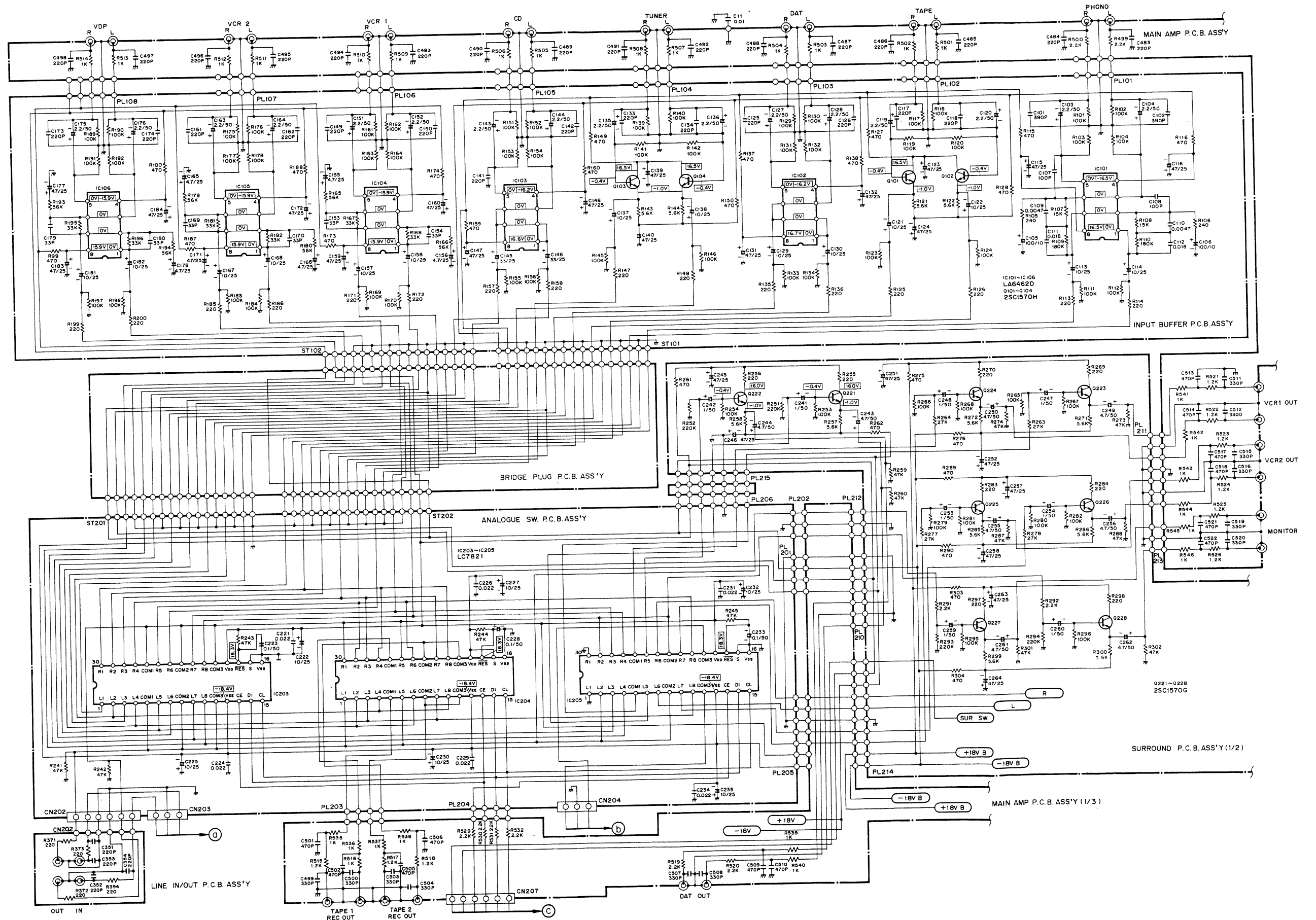
**VIDEO SW. P.C.BOARD  
(BOTTOM VIEW)**



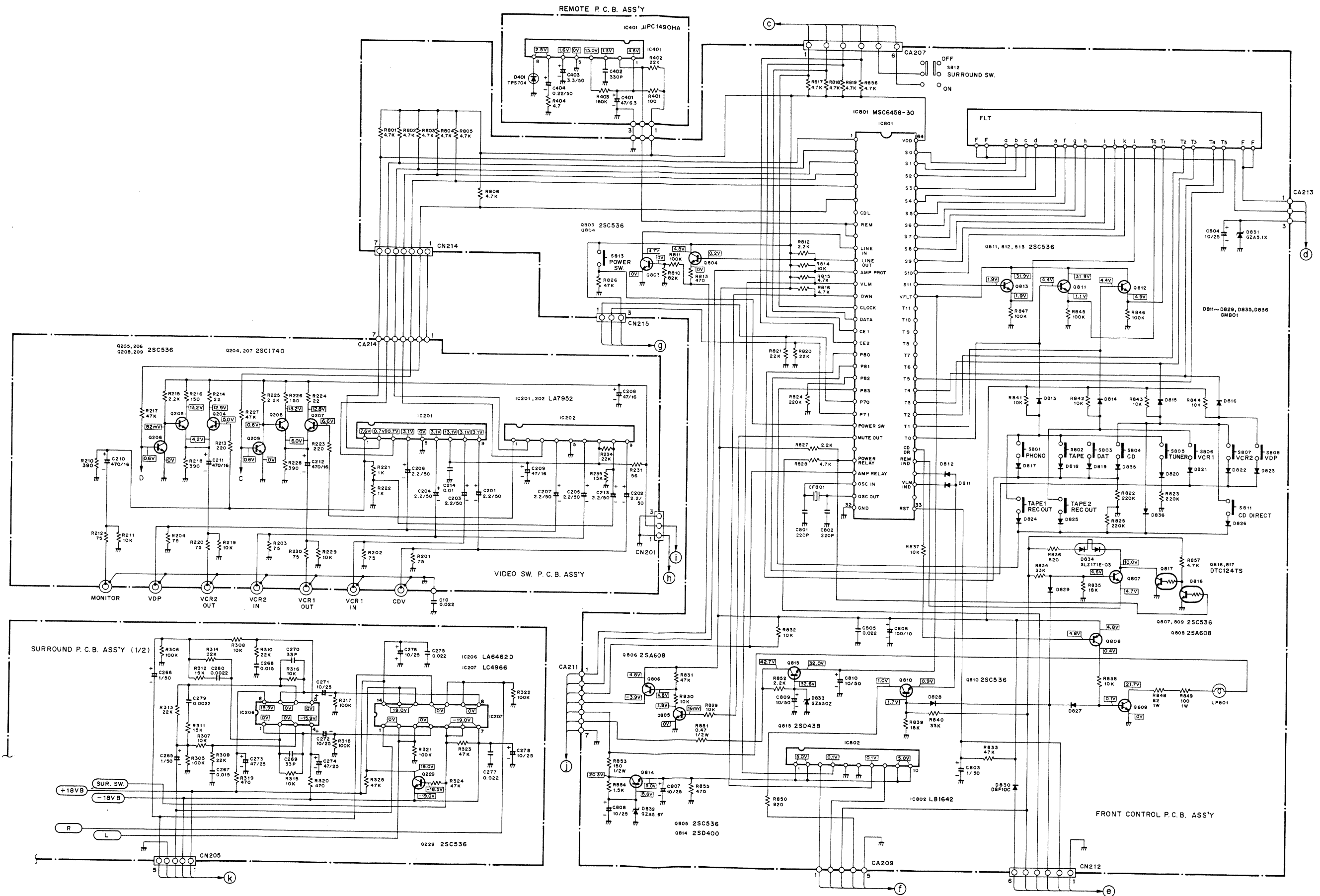




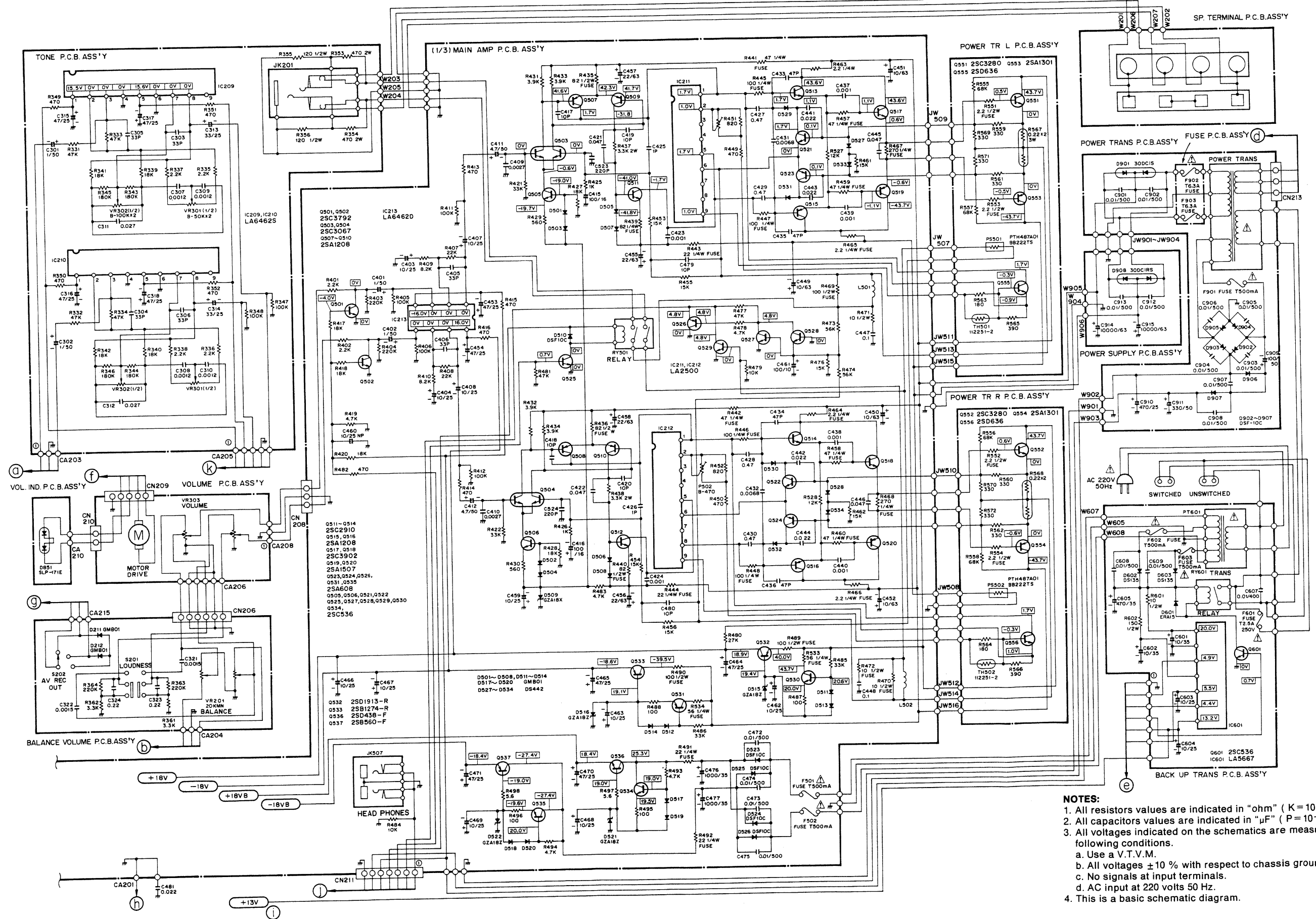
# SCHEMATIC DIAGRAM (1)



# SCHEMATIC DIAGRAM (2)

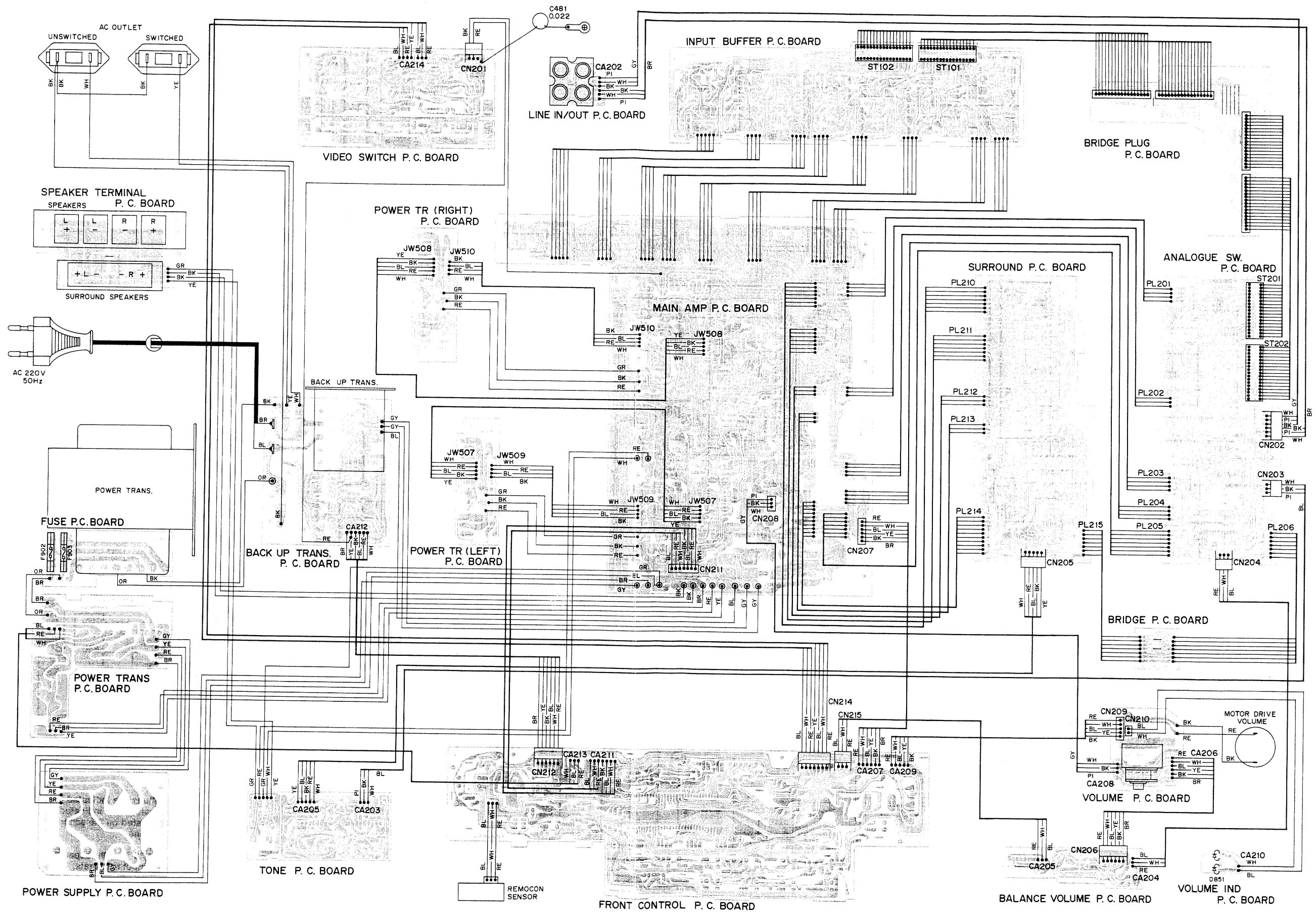


# SCHEMATIC DIAGRAM (3)

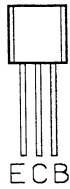

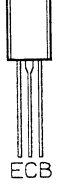

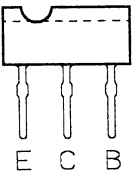
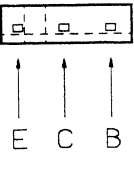


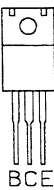

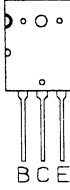

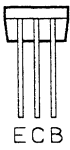
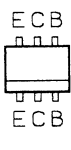
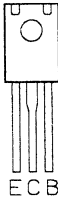



- NOTES:**
1. All resistors values are indicated in "ohm" ( K = 10<sup>3</sup>, M = 10<sup>6</sup>).
  2. All capacitors values are indicated in "μF" ( P = 10<sup>-12</sup> ).
  3. All voltages indicated on the schematics are measured under the following conditions.
    - a. Use a V.T.V.M.
    - b. All voltages ± 10 % with respect to chassis ground.
    - c. No signals at input terminals.
    - d. AC input at 220 volts 50 Hz.
  4. This is a basic schematic diagram.

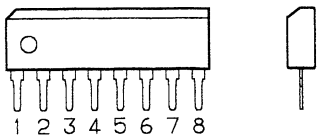
# WIRING DIAGRAM



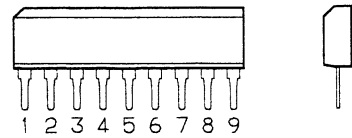
# IC & TRANSISTOR LEAD IDENTIFICATION

TRANSISTOR	FRONT VIEW	BOTTOM VIEW	TRANSISTOR	FRONT VIEW	BOTTOM VIEW
2SA608 2SC1570 2SC1740S 2SC3792 2SC536			2SA1208 2SB560 2SC2910 2SD400 2SD438		
2SD636			DTC124TS		
2SB1274 2SD1913			2SA1301 2SC3280		
2SC3067			2SA1507 2SC3902		
<b>TERMINAL NAME</b>					
B → BASE C → COLLECTOR E → EMITTER					

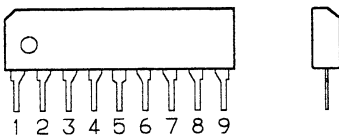
**UPC1490HA FRONT/SIDE VIEWS**



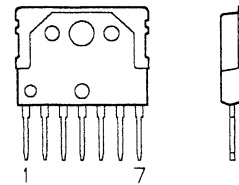
**LA2500 FRONT/SIDE VIEWS**



**LA6462S FRONT/SIDE VIEWS  
LA7952 FRONT/SIDE VIEWS**

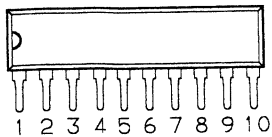


**LA5667 FRONT/SIDE VIEWS**

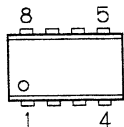


# IC & TRANSISTOR LEAD IDENTIFICATION (Continued)

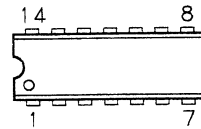
**LB1642 FRONT/SIDE VIEWS**



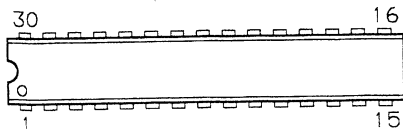
**LA6462D TOP VIEW**



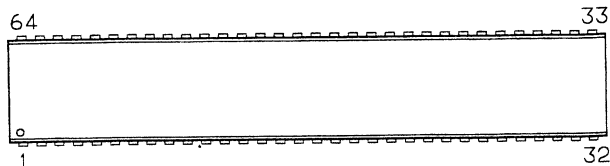
**LC4966 TOP VIEW**



**LC7821 TOP VIEW**



**MSC6458-30 TOP VIEW**



Bezeichnung/Description

SERVICE MANUAL

Teile-Nr./Parts No.

WM570271

Menge/Quantity

1

Lagerort

34B05

LS-Nr.

817262 / 41

SANYO FISHER Vertriebs GmbH