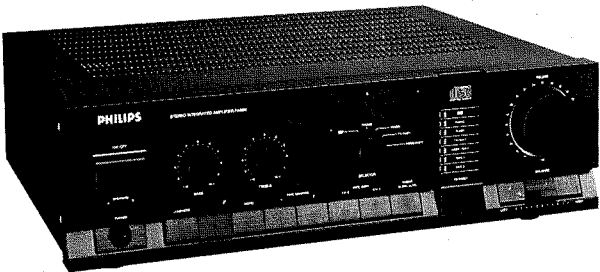


Service
Service
Service



Service Manual

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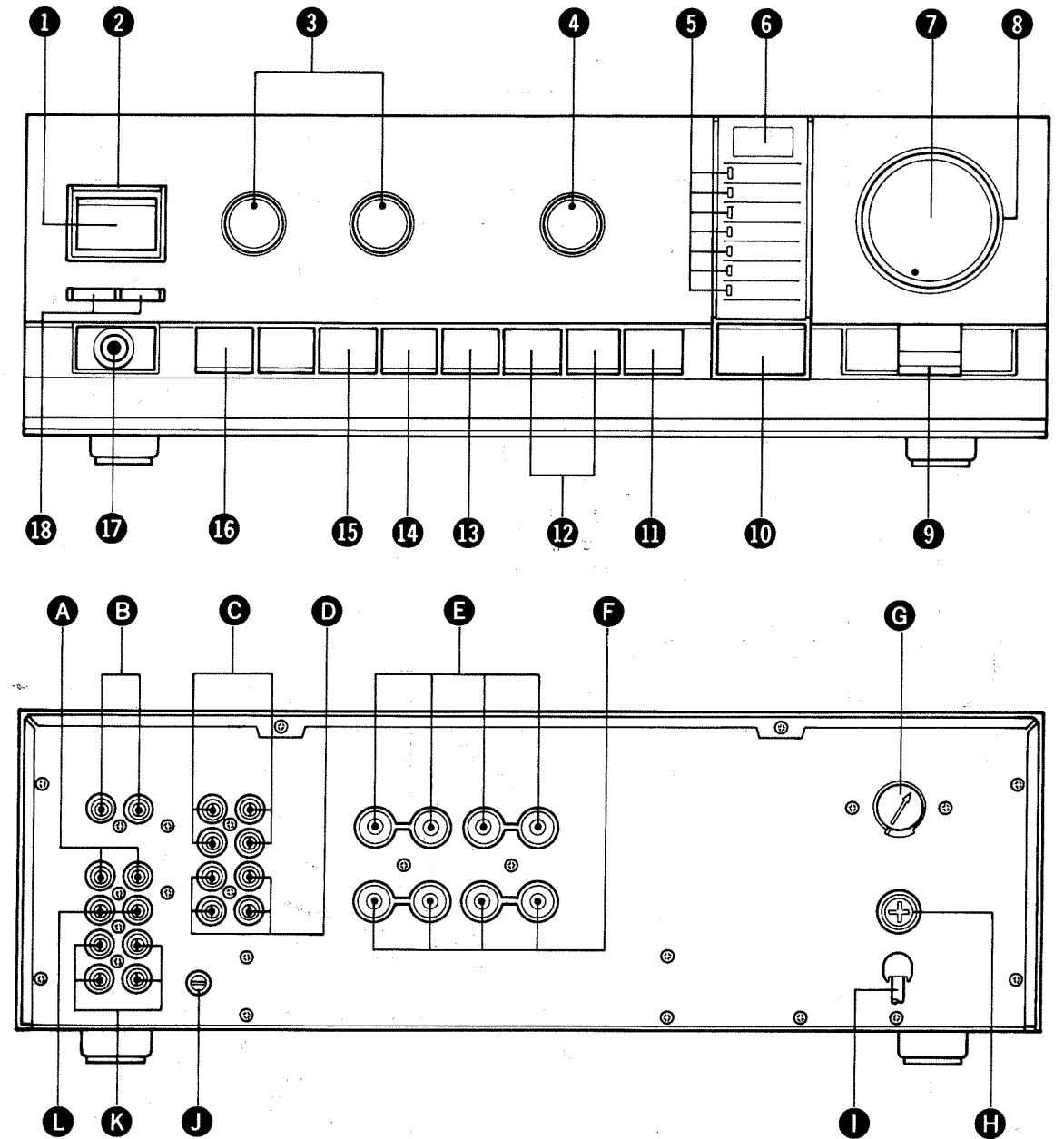
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SPECIFICATION	Nominal value	Typical value
General		
Mains voltage	: 220V ~ Service solution for 220V - 240V	: 220V ~ Service solution for 110V - 120V - 220V - 240V
Mains frequency	: 50 - 60 Hz	: 50 - 60 Hz
Power consumption	: 265W at rated power	: 350W at rated power
Dimensions (WxHxD)	: 420 x 118 x 334 mm	: 416 x 118 x 334 mm
Weight	: 10 kg	: 10 kg
Amplifier		
Output power	: 65W in 8Ω (FTC) D < 0.03% 70W in 8Ω (IEC)	: 65W in 8Ω (FTC) D < 0.03% 70W in 8Ω (IEC)
Power bandwidth (8Ω)-3 dB of rated power	: 15 Hz - 25 kHz D < 0.03%	: 10 Hz - 30 kHz D < 0.03%
Distortion		
T.H.D.	: ≤ 0.008% at 1 kHz ≤ 0.3% at 40 Hz - 10 kHz ≤ 0.03% at 60/7000 Hz 4:1	: ≤ 0.008% at 1 kHz ≤ 0.03% at 40 Hz - 10 kHz ≤ 0.03% at 60/7000 Hz 4:1
Intermodulation		
Frequency characteristic		
Phono input	tone defeat	
Other inputs		
Bass control		
Treble control		
Loudness		
Phono overload		
MM	: 100 mV at 1 kHz	: 120 mV at 1 kHz
MC	: 10 mV at 1 kHz	: 12 mV at 1 kHz
Signal/noise ratio weighted (A-curve)		
Phono input	: for 1W output ≥ 80 dB (IEC)	: for 1W output ≥ 80 dB (IEC)
Other inputs	: for 1W output ≥ 88 dB (IEC)	: for 1W output ≥ 88 dB (IEC)
Channel separation	: at 1000 Hz ≥ 70 dB at 250 Hz - 10 kHz ≥ 56 dB	: at 1000 Hz ≥ 70 dB at 250 Hz - 10 kHz ≥ 56 dB
Input sensitivity		
Phono MC	: 0.25 mV at 100Ω	: 0.25 mV at 100Ω
Phono MM	: 2.5 mV at 47 kΩ	: 2.5 mV at 47 kΩ
Linear inputs	: 150 mV at 20 kΩ	: 150 mV at 20 kΩ
Outputs (Phono MM 7.75 mV 1 kHz input)		
Tape	: 465 mV ± 90 mV at 220Ω	: 465 mV at 220Ω
Damping factor (8Ω)	: 120 at 20 Hz : 100 at 10 kHz	: 120 at 20 Hz : 100 at 10 kHz

Uncasing instructions

See for the uncasing instructions exploded view on page 19 ~ 24.

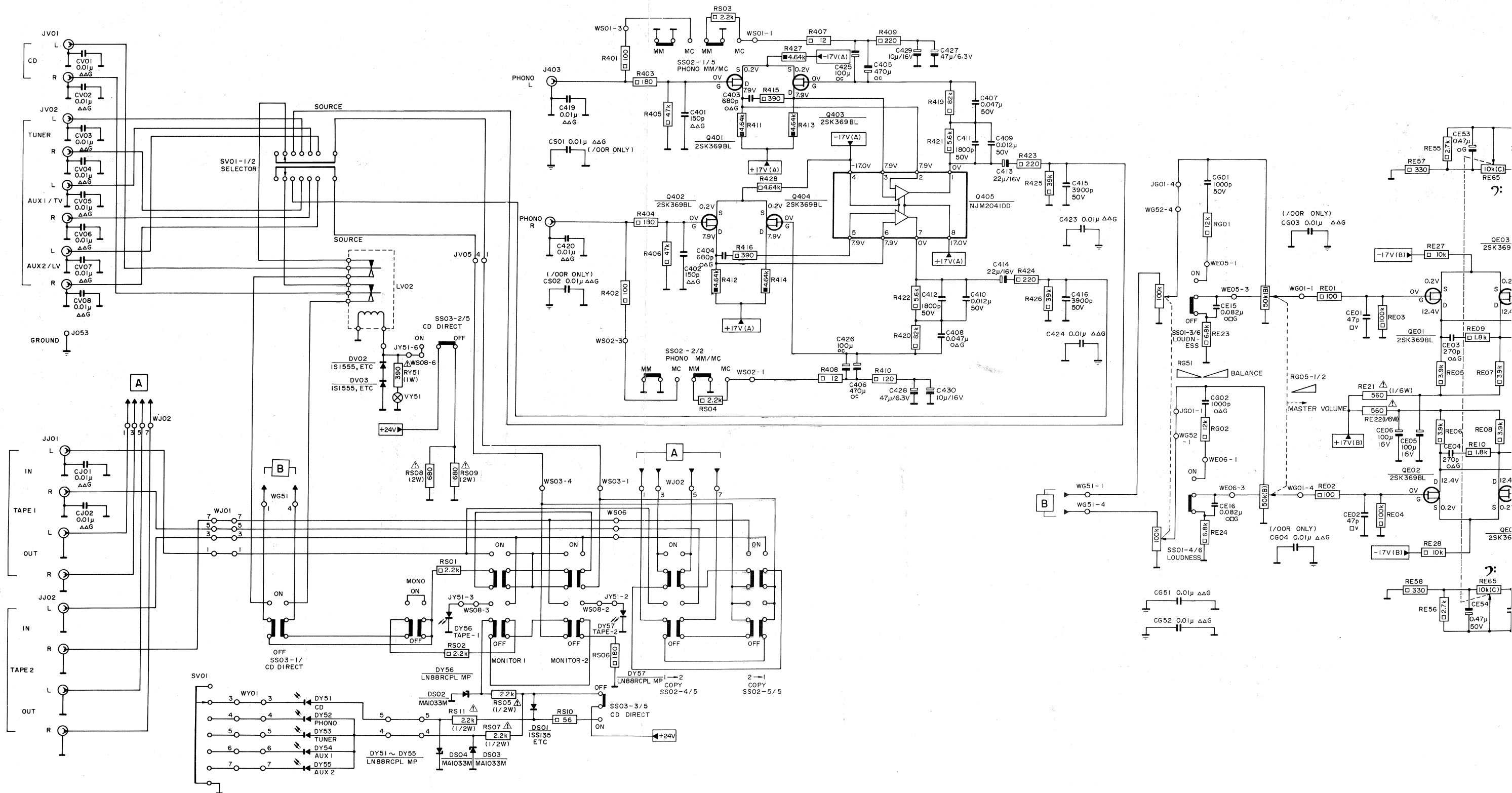


CONNECTIONS AND CONTROLS

1	Mains switch	S901	A	CD input	JV01
2	Mains switch illumination	VZ01	B	Phono input	J403
3	Tone control	RE65, RE66	C	Tape 1 monitor input/output	JJ01
4	Function switch	S001, SV01	D	Tape 2 monitor input/output	JJ02
5	Function indicator	DY01~DY07	E	LS output A	J701, J702
6	CD direct indicator	VY01	F	LS output B	
7	Volume control	RG05	G	Voltage selector (/01R version only)	J091
8	Volume control illumination	VZ51, VZ52	H	Fuse holder	J001
9	Balance control	RG51	I	Mains cord	W001
10	CD direct switch	SS03	J	Ground terminal	J053
11	Phono MM/MC switch	SS02	K	Aux 1/TV, Aux 2/LV input	JV02
12	Tape copy switch		L	Tuner input	
13	Tape monitor 2 switch	SS01			
14	Tape monitor 1 switch				
15	Mono switch				
16	Loudness switch				
17	Headphone socket	JW51			
18	LS switch	ST01			

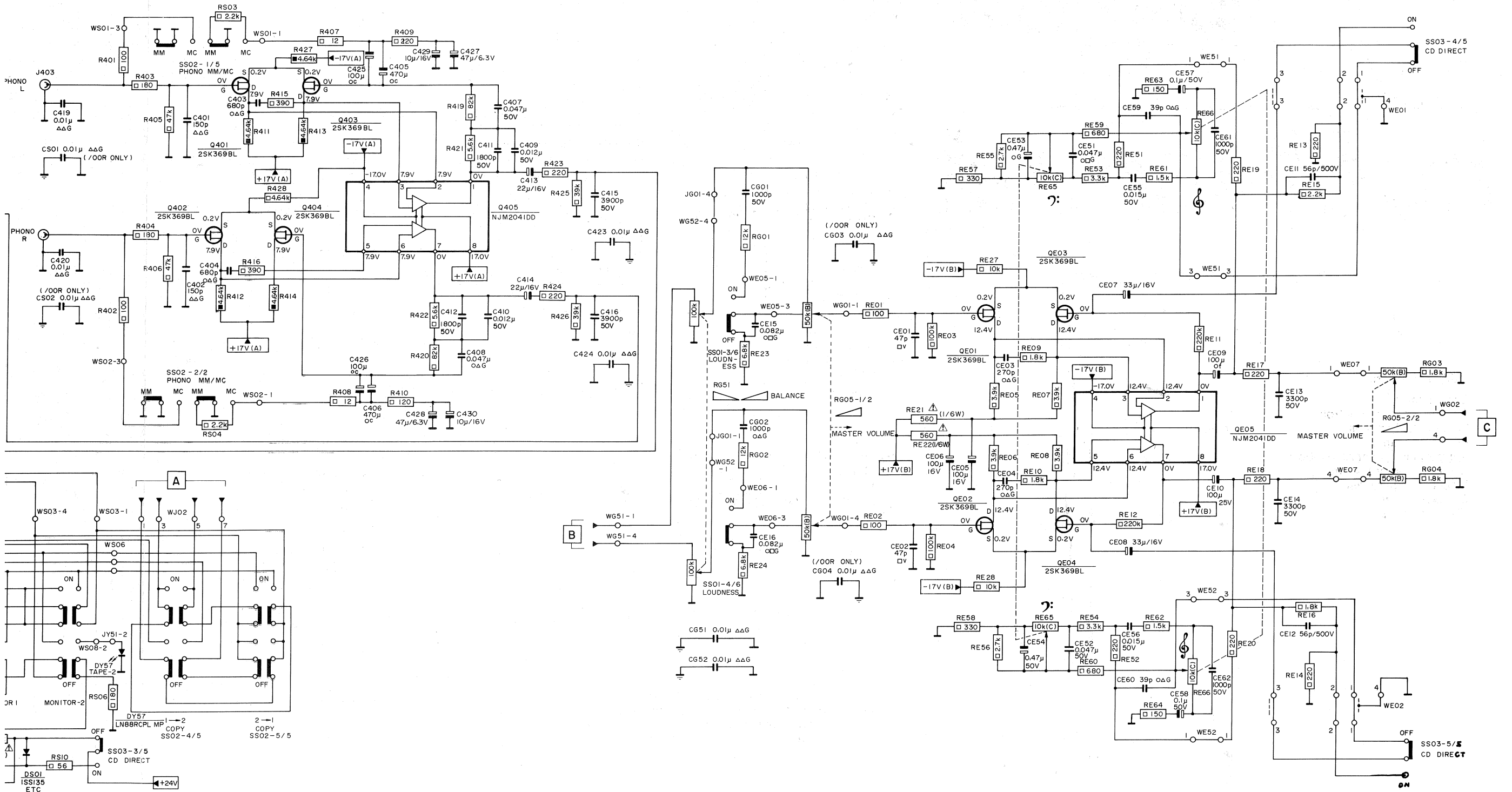
SCHEMATIC DIAGRAM

R	RY51	RS08	RS09	R401	R403	R405	RS03	R411	R428	R415	R413	R427	R407	R409	R419	R421	R423	R425	RG51	RG01	RE23	RG05	RE01	RE21	RE03	RE57	RE55	RE27	RE05
C	CV01 ~ CV08	RS01	RS02	RS11	RS07	RS05	RS10	R402	RS06	R404	R406	RS04	R412	R416	R414	R408	R410	R422	R420	R424	R426	CG01	CE15	CG03	CE01	CE03	CE05	CE07	CE09
Q - D - V	CJ01 CJ02	DY51 ~ DY55	DV02	DV03	VY51	DY56	DS02 ~ DS04	DS01	DY57	Q402	Q401	Q404	Q403	Q405	C411	C407	C409	C413	C415	C423	CG02	CE16	CG04	CE02	CE06	CE08	CE10	CE12	CE14
L - S	SV01 ~ 2/2	SV01 ~ 1/2	SS03 ~ 1/5	LV02	SS01 ~ 1/6	SS03 ~ 2/5	SS01 ~ 2/6	SS02 ~ 1/5 ~ SS02 ~ 5/5	SS03 ~ 3/5	SS01 ~ 3/6	SS01 ~ 4/6	SS02 ~ 4/5	SS02 ~ 5/5	SS03 ~ 5/5	SS04 ~ 1/5	SS04 ~ 2/5	SS04 ~ 3/5	SS04 ~ 4/5	SS04 ~ 5/5	SS05 ~ 1/5	SS05 ~ 2/5	SS05 ~ 3/5	SS05 ~ 4/5	SS05 ~ 5/5	SS06 ~ 1/5	SS06 ~ 2/5	SS06 ~ 3/5	SS06 ~ 4/5	SS06 ~ 5/5

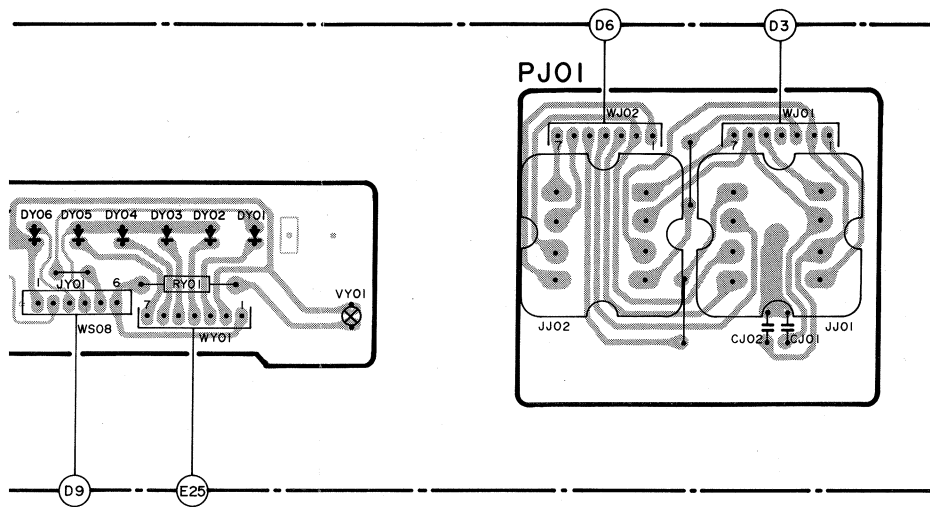
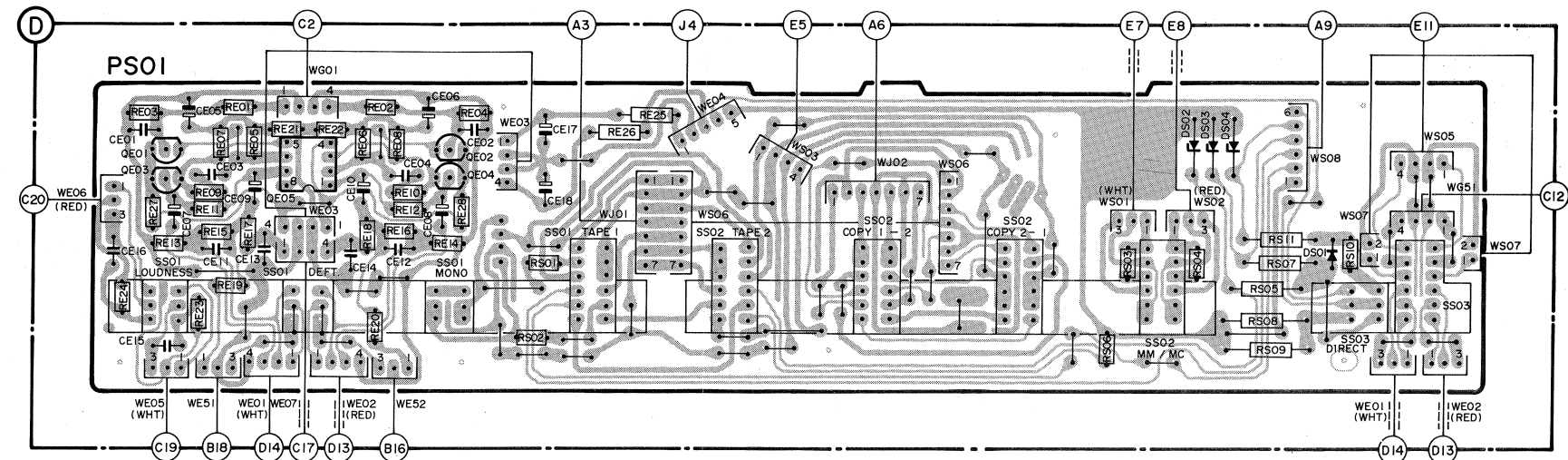
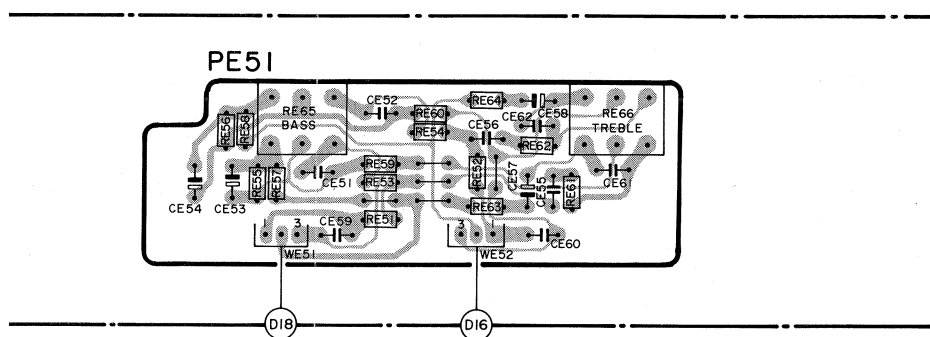
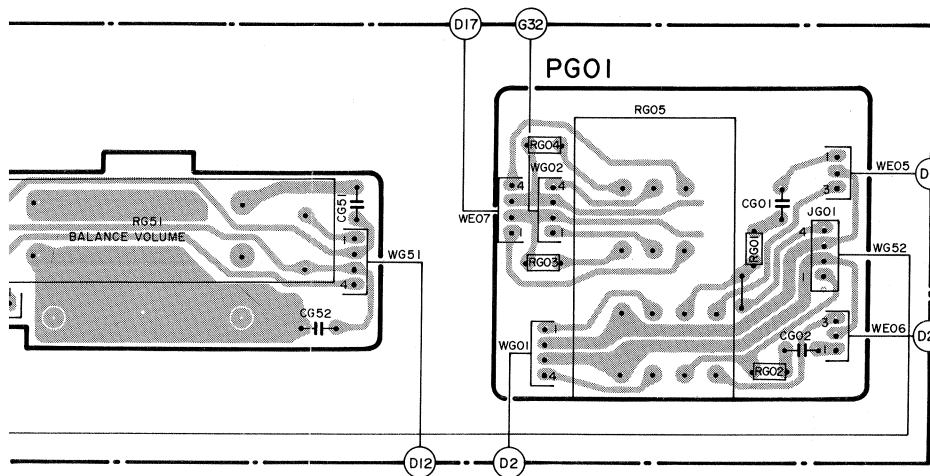
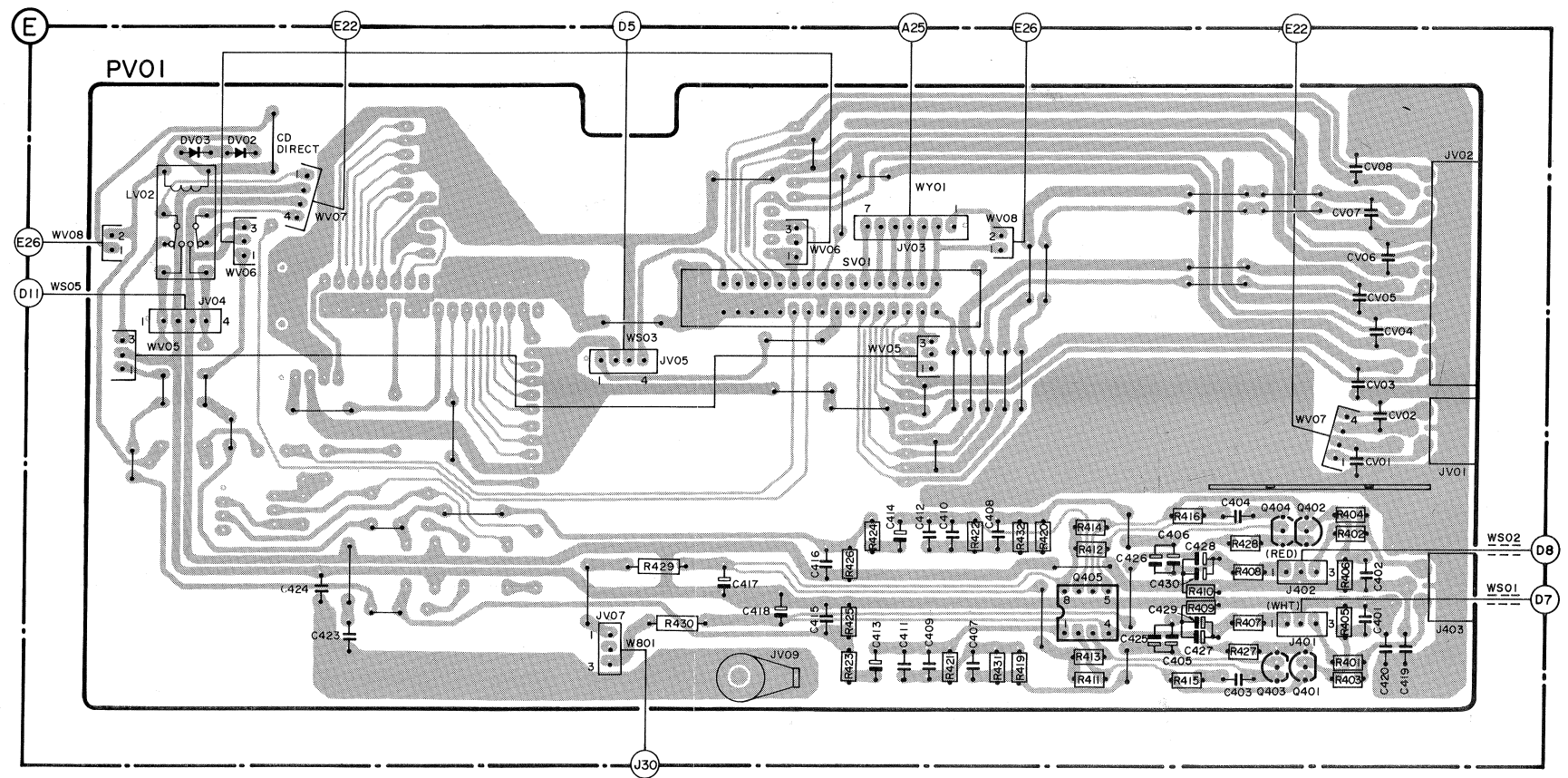


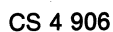
SCHEMATIC DIAGRAM

		R401	R403	R405			RS03	R411	R428	R415	R413	R427	R407			R409			R419	R421			R423	R425			RG51	RG01	RE23			RG05	RE01	RE21	RE03	RE57	RE55	RE27	RE05	RE09	RE07	RE53	RE59	RE51	RE63	RE61			RE11	RE17	RE19	RE15	RE13			RG03	R
RS05	RS10	R402	RS06	R404	R406			RS04	R412	R416	R414			R408			R410	R422	R420			R424	R426			RG02	RE24			RE02	RE22	RE04	RE58	RE28	RE56	RE06	RE10	RE08	RE65	RE54	RE60	RE52	RE12	RE62	RE64	RE66	RE20	RE18	RE16	RE14	RG05	RG04					
		C419	CS01			C401	C403			C425	C405	C427	C429			C411	C407	C409	C413	C415	C423			CG01	CE15			CG03			CE01			CE03	CE53	CE51			CE07	CE55	CE59	CE57	CE61	CE09	CE13	CE11			C								
		C420	CS02			C402	C404			C426	C406	C428	C430	C412	C408	C410			C414	C416	C424			CG51	CG52	CG02	CE16	CG04			CE02	CE06	CE05	CE04	CE54	CE52			CE08	CE56	CE60	CE58	CE62	CE10	CE14	CE12											
		DS01	DY57			Q402	Q401	Q404	Q403			Q405																	QE01	QE02	QE03	QE04			QE05											Q - D - V											
1 - 2/6				SS02 - 1/5 ~ SS02 - 5/5												SS03 - 3/5						SS01 - 3/6		SS01 - 4/6																		SS03 - 4/5		SS03 - 5/5		L - S											



WIRING DIAGRAM

[illegible]

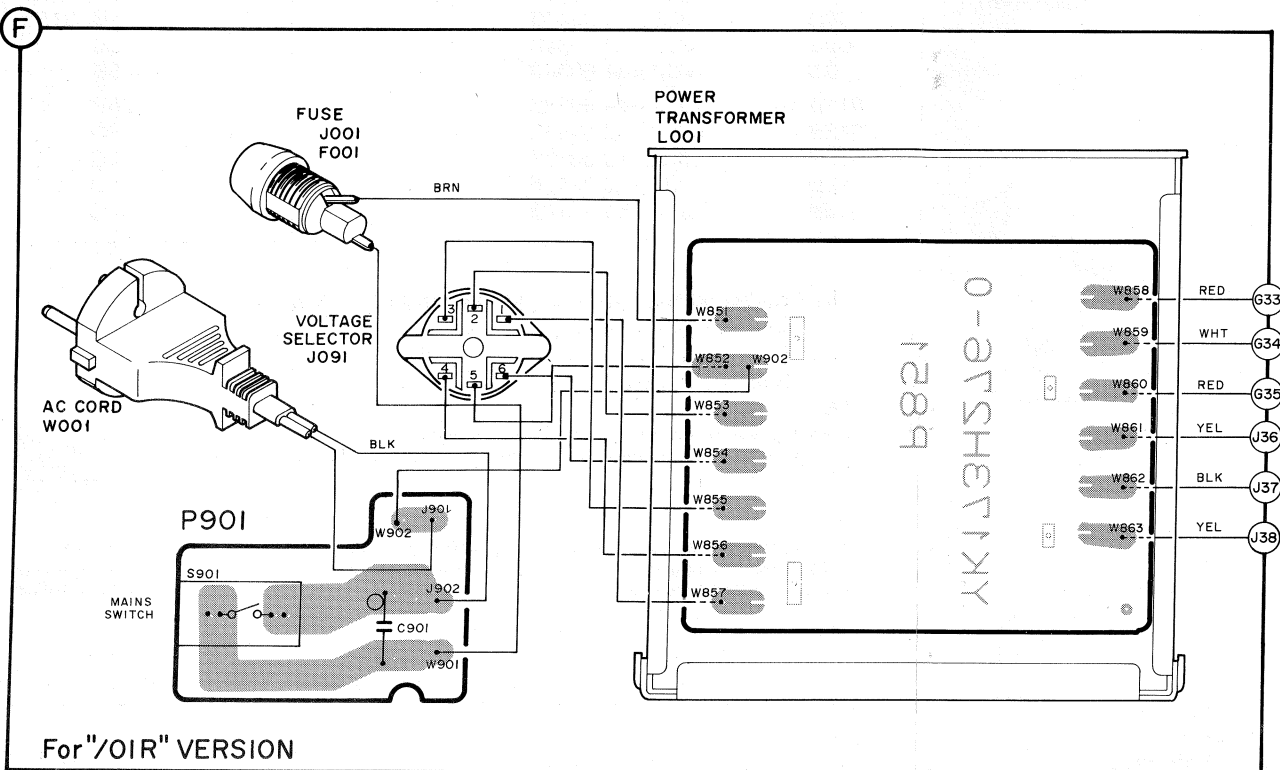
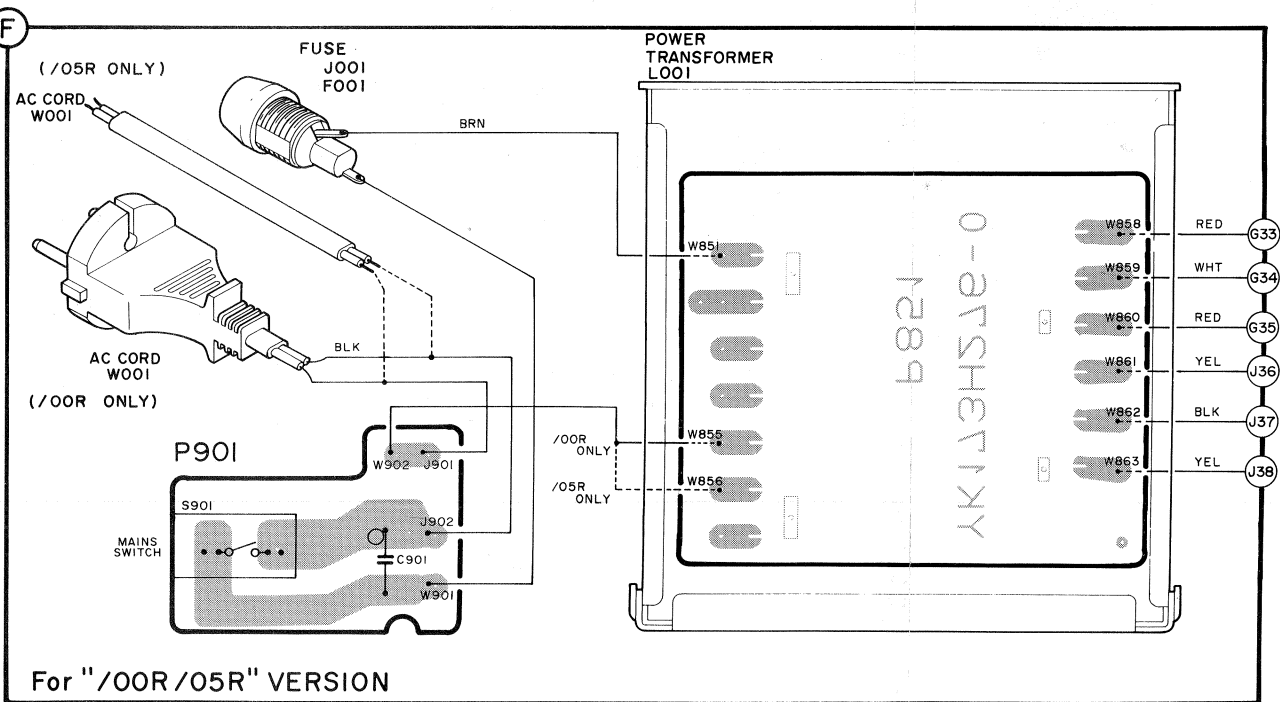
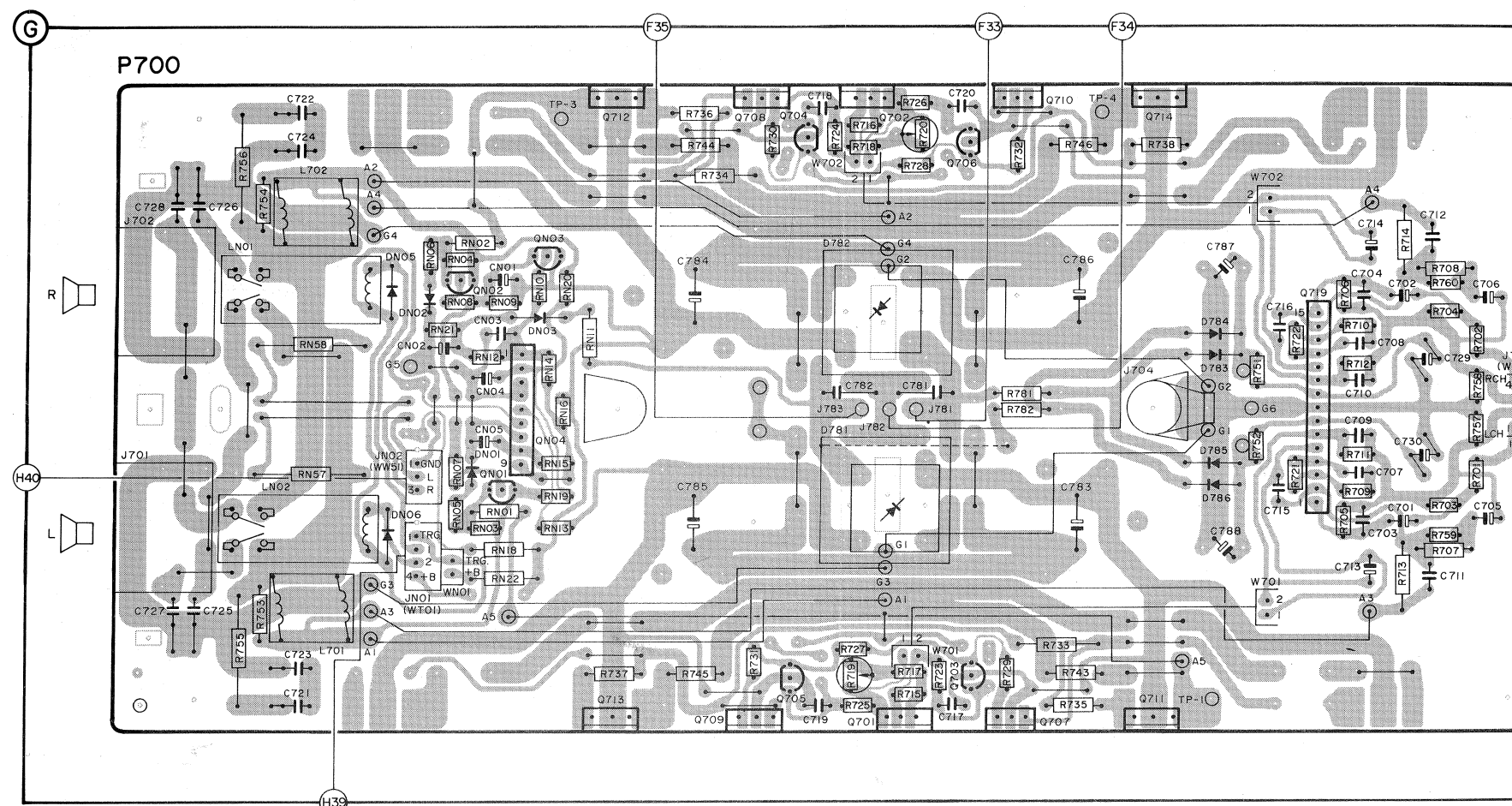
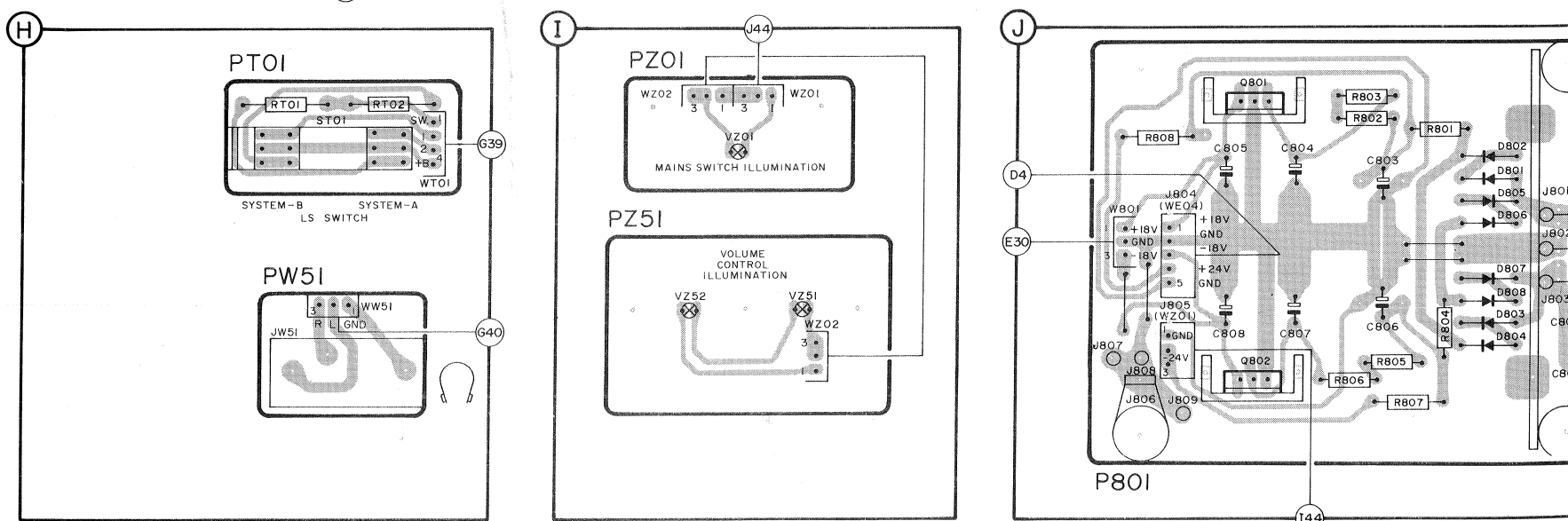
[illegible]

SCHEMATIC DIAGRAM

5	R757 R759 R760 R707 R758	R709 R721	R713	R711	R715 ~ R720	R723 ~ R726	R727	R728	R733 ~ R738	R743 ~ R746	RN01 ~ RN06	RN07 ~ RN09	RN10	RN19	RN20	R753 R754	R755 R756	RN58 RN57	R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
6	R708 R782 R781	R710 R722	RN11	R714 R712	RN21	R801 R804 R807	R802 R803 R805 R806	R808	R429 R430	RE25	RE26	RN12	RN14	RN15	RN16	RN13		RT01 RT02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
7	C706	C729 C730	C708	C707	C715 C716 C711	C712 C709 C710	C713 C714	C717 ~ C720	C718	C719	C721 ~ C724	C725 C726	C727 C728	CN01	CN03	CN04	CN05	DN05 DN06	Q - D - V																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
8	C785 C786	C781	C782	C801 C802	CN02	C783 C784	C803 C806	C804 C807	C805 C808	C417 C418	CE17	CE18	CN01	CN03	CN04	CN05	DN05 DN06	LN01 LN02 L701 L702	ST01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
9	D783 ~ D786	VZ01	Q719-1/2	Q719-2/2	D781 D782	VZ51 VZ52	DN03	D801 ~ D808	Q701 Q702	Q801 Q802	Q703 ~ Q706	Q707 ~ Q710	Q711 ~ Q714	DN01	DN02	DN01	DN02	DN03	DN04	DN05	DN06	DN07	DN08	DN09	DN10	DN11	DN12	DN13	DN14	DN15	DN16	DN17	DN18	DN19	DN20	DN21	DN22	DN23	DN24	DN25	DN26	DN27	DN28	DN29	DN30	DN31	DN32	DN33	DN34	DN35	DN36	DN37	DN38	DN39	DN40	DN41	DN42	DN43	DN44	DN45	DN46	DN47	DN48	DN49	DN50	DN51	DN52	DN53	DN54	DN55	DN56	DN57	DN58	DN59	DN60	DN61	DN62	DN63	DN64	DN65	DN66	DN67	DN68	DN69	DN70	DN71	DN72	DN73	DN74	DN75	DN76	DN77	DN78	DN79	DN80	DN81	DN82	DN83	DN84	DN85	DN86	DN87	DN88	DN89	DN90	DN91	DN92	DN93	DN94	DN95	DN96	DN97	DN98	DN99	DN100	DN101	DN102	DN103	DN104	DN105	DN106	DN107	DN108	DN109	DN110	DN111	DN112	DN113	DN114	DN115	DN116	DN117	DN118	DN119	DN120	DN121	DN122	DN123	DN124	DN125	DN126	DN127	DN128	DN129	DN130	DN131	DN132	DN133	DN134	DN135	DN136	DN137	DN138	DN139	DN140	DN141	DN142	DN143	DN144	DN145	DN146	DN147	DN148	DN149	DN150	DN151	DN152	DN153	DN154	DN155	DN156	DN157	DN158	DN159	DN160	DN161	DN162	DN163	DN164	DN165	DN166	DN167	DN168	DN169	DN170	DN171	DN172	DN173	DN174	DN175	DN176	DN177	DN178	DN179	DN180	DN181	DN182	DN183	DN184	DN185	DN186	DN187	DN188	DN189	DN190	DN191	DN192	DN193	DN194	DN195	DN196	DN197	DN198	DN199	DN200	DN201	DN202	DN203	DN204	DN205	DN206	DN207	DN208	DN209	DN210	DN211	DN212	DN213	DN214	DN215	DN216	DN217	DN218	DN219	DN220	DN221	DN222	DN223	DN224	DN225	DN226	DN227	DN228	DN229	DN230	DN231	DN232	DN233	DN234	DN235	DN236	DN237	DN238	DN239	DN240	DN241	DN242	DN243	DN244	DN245	DN246	DN247	DN248	DN249	DN250	DN251	DN252	DN253	DN254	DN255	DN256	DN257	DN258	DN259	DN260	DN261	DN262	DN263	DN264	DN265	DN266	DN267	DN268	DN269	DN270	DN271	DN272	DN273	DN274	DN275	DN276	DN277	DN278	DN279	DN280	DN281	DN282	DN283	DN284	DN285	DN286	DN287	DN288	DN289	DN290	DN291	DN292	DN293	DN294	DN295	DN296	DN297	DN298	DN299	DN300	DN301	DN302	DN303	DN304	DN305	DN306	DN307	DN308	DN309	DN310	DN311	DN312	DN313	DN314	DN315	DN316	DN317	DN318	DN319	DN320	DN321	DN322	DN323	DN324	DN325	DN326	DN327	DN328	DN329	DN330	DN331	DN332	DN333	DN334	DN335	DN336	DN337	DN338	DN339	DN340	DN341	DN342	DN343	DN344	DN345	DN346	DN347	DN348	DN349	DN350	DN351	DN352	DN353	DN354	DN355	DN356	DN357	DN358	DN359	DN360	DN361	DN362	DN363	DN364	DN365	DN366	DN367	DN368	DN369	DN370	DN371	DN372	DN373	DN374	DN375	DN376	DN377	DN378	DN379	DN380	DN381	DN382	DN383	DN384	DN385	DN386	DN387	DN388	DN389	DN390	DN391	DN392	DN393	DN394	DN395	DN396	DN397	DN398	DN399	DN400	DN401	DN402	DN403	DN404	DN405	DN406	DN407	DN408	DN409	DN410	DN411	DN412	DN413	DN414	DN415	DN416	DN417	DN418	DN419	DN420	DN421	DN422	DN423	DN424	DN425	DN426	DN427	DN428	DN429	DN430	DN431	DN432	DN433	DN434	DN435	DN436	DN437	DN438	DN439	DN440	DN441	DN442	DN443	DN444	DN445	DN446	DN447	DN448	DN449	DN450	DN451	DN452	DN453	DN454	DN455	DN456	DN457	DN458	DN459	DN460	DN461	DN462	DN463	DN464	DN465	DN466	DN467	DN468	DN469	DN470	DN471	DN472	DN473	DN474	DN475	DN476	DN477	DN478	DN479	DN480	DN481	DN482	DN483	DN484	DN485	DN486	DN487	DN488	DN489	DN490	DN491	DN492	DN493	DN494	DN495	DN496	DN497	DN498	DN499	DN500	DN501	DN502	DN503	DN504	DN505	DN506	DN507	DN508	DN509	DN510	DN511	DN512	DN513	DN514	DN515	DN516	DN517	DN518	DN519	DN520	DN521	DN522	DN523	DN524	DN525	DN526	DN527	DN528	DN529	DN530	DN531	DN532	DN533	DN534	DN535	DN536	DN537	DN538	DN539	DN540	DN541	DN542	DN543	DN544	DN545	DN546	DN547	DN548	DN549	DN550	DN551	DN552	DN553	DN554	DN555	DN556	DN557	DN558	DN559	DN560	DN561	DN562	DN563	DN564	DN565	DN566	DN567	DN568	DN569	DN570	DN571	DN572	DN573	DN574	DN575	DN576	DN577	DN578	DN579	DN580	DN581	DN582	DN583	DN584	DN585	DN586	DN587	DN588	DN589	DN590	DN591	DN592	DN593	DN594	DN595	DN596	DN597	DN598	DN599	DN600	DN601	DN602	DN603	DN604	DN605	DN606	DN607	DN608	DN609	DN610	DN611	DN612	DN613	DN614	DN615	DN616	DN617	DN618	DN619	DN620	DN621	DN622	DN623	DN624	DN625	DN626	DN627	DN628	DN629	DN630	DN631	DN632	DN633	DN634	DN635	DN636	DN637	DN638	DN639	DN640	DN641	DN642	DN643	DN644	DN645	DN646	DN647	DN648	DN649	DN650	DN651	DN652	DN653	DN654	DN655	DN656	DN657	DN658	DN659	DN660	DN661	DN662	DN663	DN664	DN665	DN666	DN667	DN668	DN669	DN670	DN671	DN672	DN673	DN674	DN675	DN676	DN677	DN678	DN679	DN680	DN681	DN682	DN683	DN684	DN685	DN686	DN687	DN688	DN689	DN690	DN691	DN692	DN693	DN694	DN695	DN696	DN697	DN698	DN699	DN700	DN701	DN702	DN703	DN704	DN705	DN706	DN707	DN708	DN709	DN710	DN711	DN712	DN713	DN714	DN715	DN716	DN717	DN718	DN719	DN720	DN721	DN722	DN723	DN724	DN725	DN726	DN727	DN728	DN729	DN730	DN731	DN732	DN733	DN734	DN735	DN736	DN737	DN738	DN739	DN740	DN741	DN742	DN743	DN744	DN745	DN746	DN747	DN748	DN749	DN750	DN751	DN752	DN753	DN754	DN755	DN756	DN757	DN758	DN759	DN760	DN761	DN762	DN763	DN764	DN765	DN766	DN767	DN768	DN769	DN770	DN771	DN772	DN773	DN774	DN775	DN776	DN777	DN778	DN779	DN780	DN781	DN782	DN783	DN784	DN785	DN786	DN787	DN788	DN789	DN790	DN791	DN792	DN793	DN794	DN795	DN796	DN797	DN798	DN799	DN800	DN801	DN802	DN803	DN804	DN805	DN806	DN807	DN808	DN809	DN810	DN811	DN812	DN813	DN814	DN815	DN816	DN817	DN818	DN819	DN820	DN821	DN822	DN823	DN824	DN825	DN826	DN827	DN828	DN829	DN830	DN831	DN832	DN833	DN834	DN835	DN836	DN837	DN838	DN839	DN840	DN841	DN842	DN843	DN844	DN845	DN846	DN847	DN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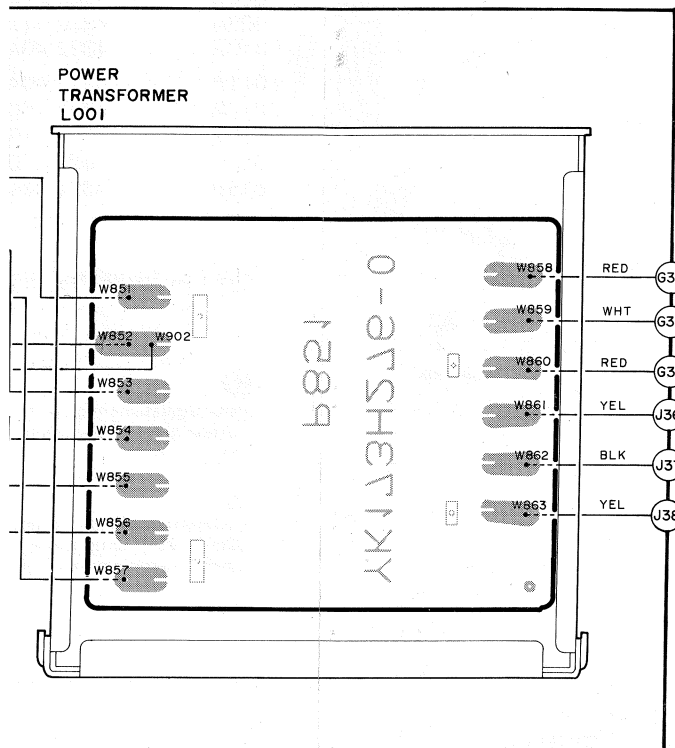
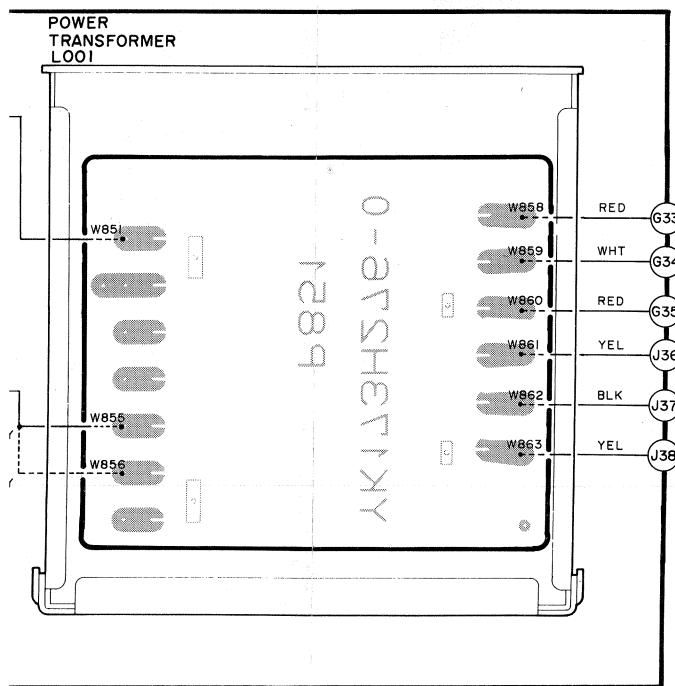
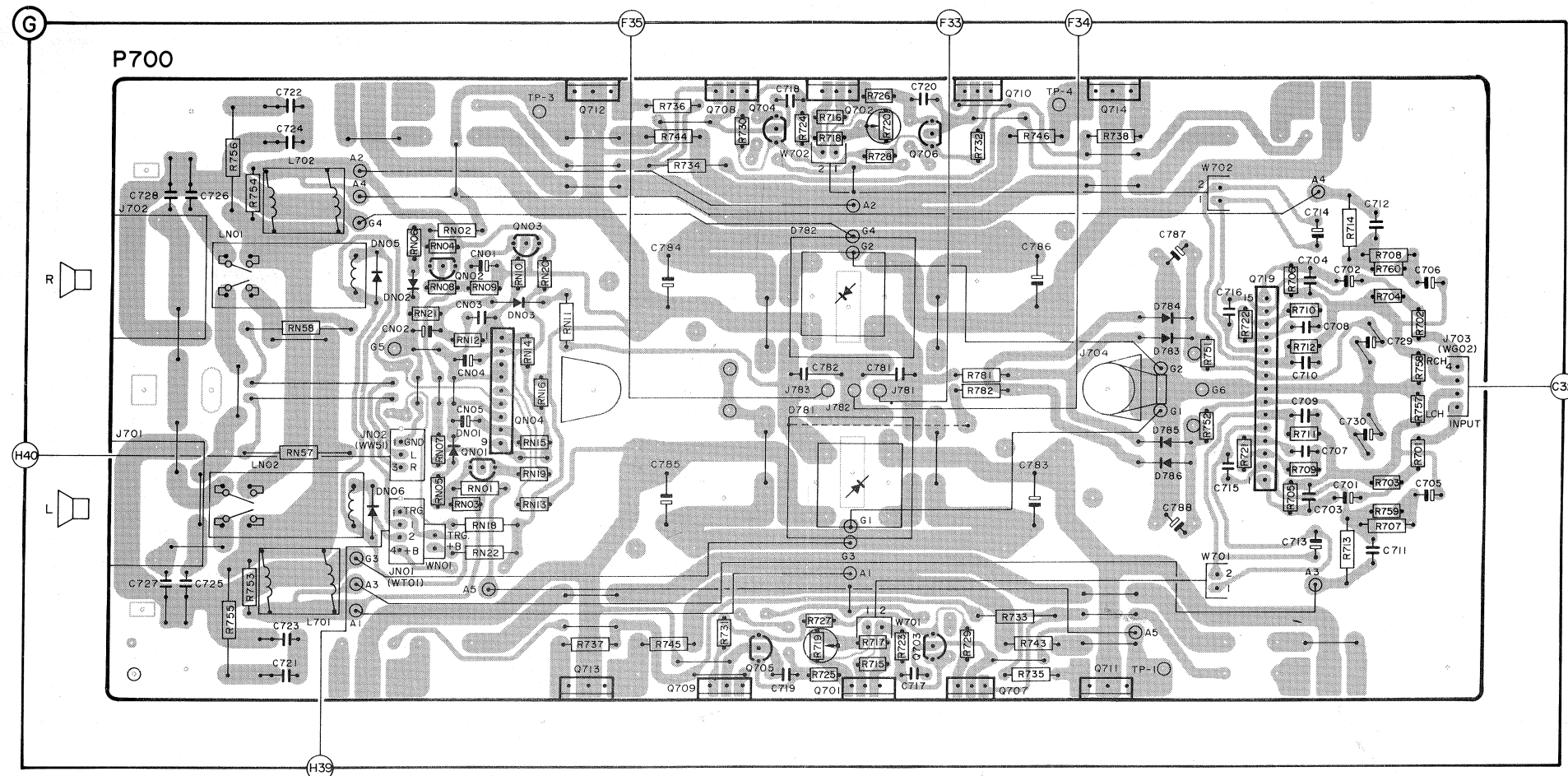
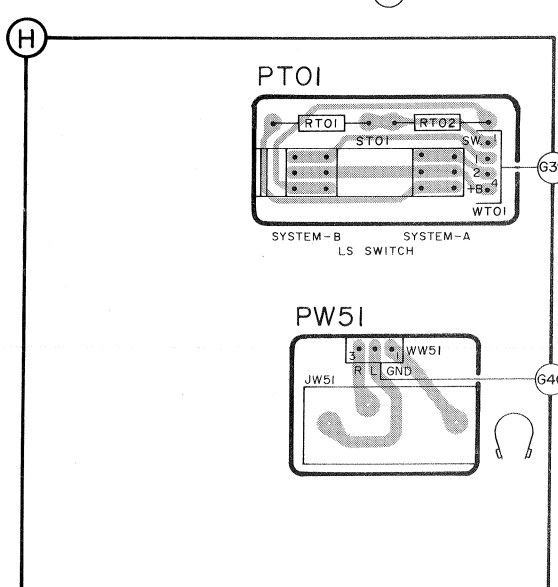
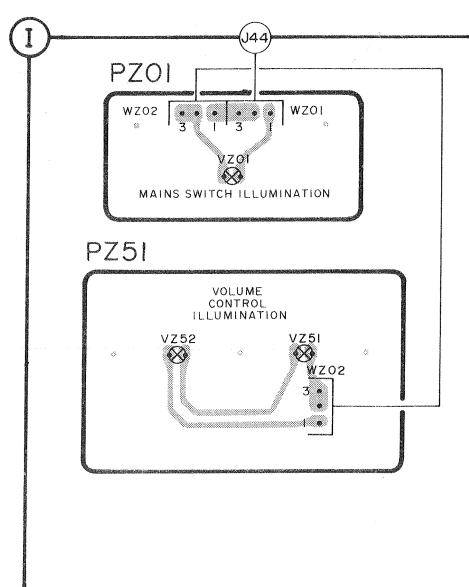
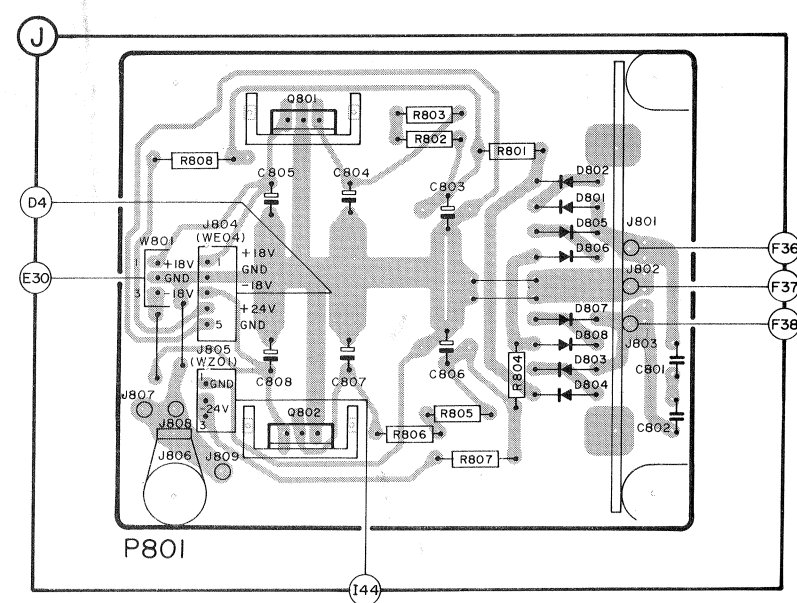
WIRING DIAGRAM

R		R753 ~ R758	RN21 RN01 ~ RN10	RN11 ~ RN16	R736 R744 R734 R730 R724	R725 ~ R729	R732 R781 R782 R746 R738	R75	R752 R722 R721 R701 ~ R714
C	C901	RT01 RT02	RN18 ~ RN20 RN22 R737 R745	R731 R715 ~ R720	R723	R733 R743 R735 R808	R801 ~ R807	R757 ~ R760	
Q-D-V		C725 ~ C728 C721 ~ C724	CN01 CN05	C784 C785	C718 C782	C781 C720	C786 C783	C788 C803 ~ C808	C729 C730 C801
L-S	S901	DN05 DN06 DN01 ~ DN03	QN01 ~ QN04	VZ52 VZ01 VZ51	Q704	Q705 D782	Q706 Q703	D783 ~ D786 Q801 Q802 Q719	D801 ~ D808
		LN01 LN02	ST01 L702 L701						

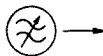


WIRING DIAGRAM

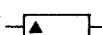
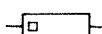
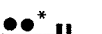
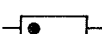
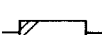
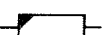
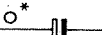
R753 ~ R758	RN21 RN01 ~ RN10	RN11 ~ RN16	R736 R744 R734 R730 R724	R725 ~ R729	R732 R781 R782 R746 R738	R75	R752 R722 R721 R701 ~ R714	R
RT01 RT02	RN18 ~ RN20 RN22 R737 R745	R731	R715 ~ R720	R723	R733 R743 R735 R808	R801 ~ R807	R757 ~ R760	
C725 ~ C728 C721 ~ C724	CN01 CN05	C784 C785	C718 C782	C781	C720	C786 C783	C787 C716 C715	C701 ~ C714
			C719		C717		C788 C803 ~ C808	C729 C730 C801 C802
DN05 DN06 DN01 ~ DN03	QN01 ~ QN04	VZ52 VZ01 VZ51	Q704	Q705	D782	Q706	Q703	D783 ~ D786 Q801 Q802 Q719
		Q712 Q713	Q708 Q709	D781	Q702 Q701	Q710 Q707	Q714 Q711	D801 ~ D808
LN01 LN02	ST01 L702 L701							
								Q-D-V
								L-S



Idling Current

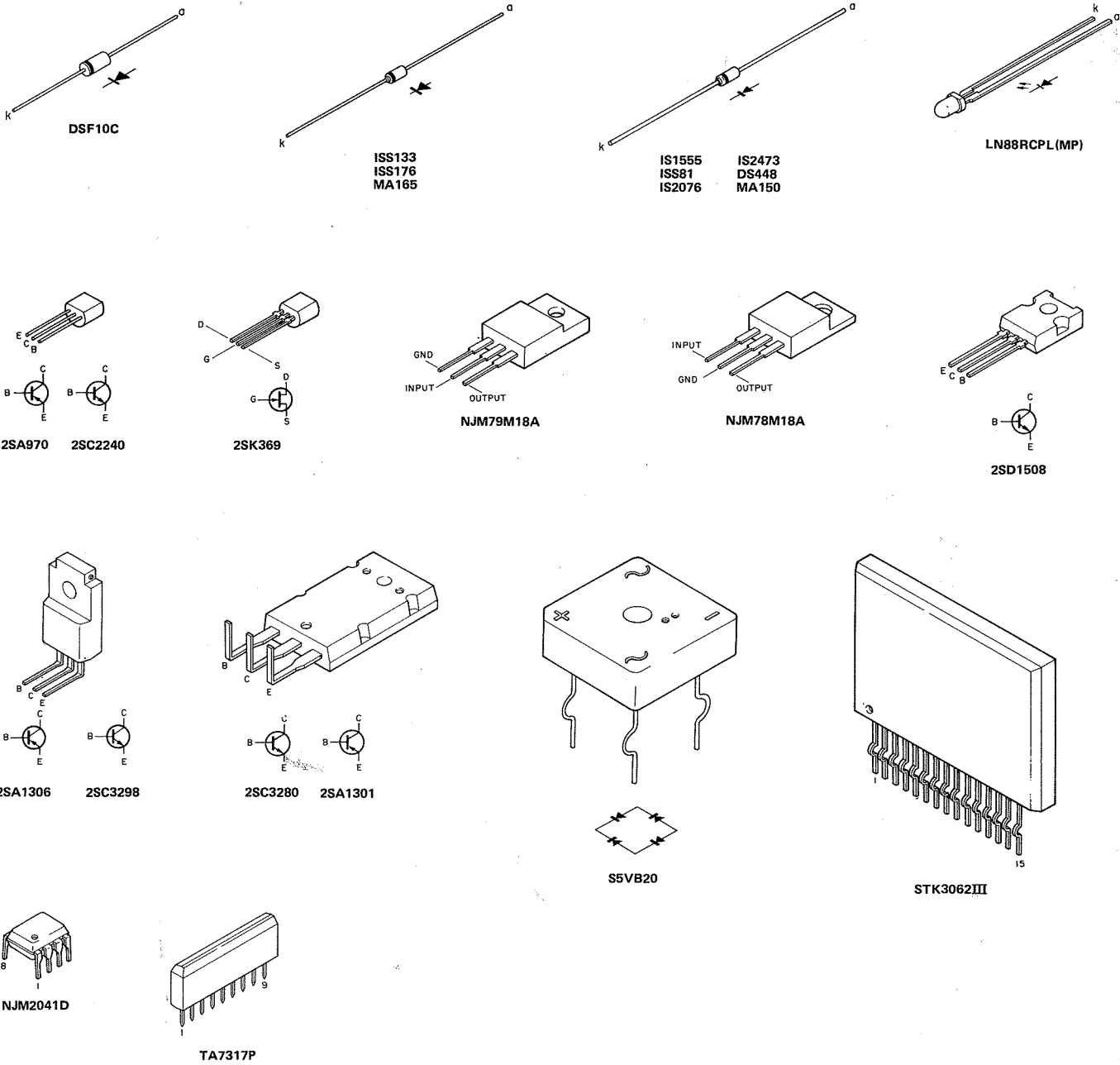
SK... SWITCH	 SIGNAL	 TO	 VOLUME	 ADJUST	 OSCILLOSCOPE	 D.C. METER INDICATOR
			Min.	Lch R719		Lch TP1(+), TP2(-) DC14mV (39mA) 1
				Rch R720		Rch TP3(+), TP4(-) DC14mV (39mA) 1

1 Adjust R719 (channel L) or R720 (channel R) so that the voltmeter reads 14 mV about 1 minute after the power has been turned on. (Note that the idling current is about 42 mA after the unit has warmed up.)

 Carbon film 0.125 W or 0.2 W 70°C 5%	 Ceramic plate Tuning ≤ 120 pF NP.0 2% Others -20/+80%	<div>*a = 2.5 V b = 3.15 V or 4 V c = 6.3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V j = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V A = 1.6 V B = 6 V C = 12 V D = 15 V E = 20 V F = 35 V G = 50 V H = 75 V I = 80 V</div>
 Carbon film 0.25 W or 0.33 W 70°C 5%	 Polyester flat foil 10%	
 Metal film 0.25 W or 0.33 W 70°C 5%	 Metalized polyester flat film 10%	
 Carbon film 0.5 W 70°C 5%	 Polyester flat foil small size (Mylar) 10%	
 Carbon film 0.67 W 70°C 5%	 Polysterene film/foil 1%	
 Carbon film 1 W or 1.15 W 70°C 5%	 Tubular ceramic	
 Chip component	 Miniature single	
	 Subminiature tantalum ± 20%	

NOTE:
Some withstand voltages of the condensers are shown in both numerical value and symbol on the circuit diagram. If withstand voltage shown in numerical value is different from that in symbol for a condenser, both are applicable.

Semiconductor Layout



Mechanical Partslist

001B	4822 426 51136	016B	4822 404 60341
002B	4822 410 25479	020B	4822 532 51848
003B	4822 410 24665	021B	4822 459 80373
004B	4822 412 20987	022B	4822 255 40756
005B	4822 410 25478	023B	4822 256 91163
006B	4822 412 20987	001B, 010B	} 4822 426 51137
007B	4822 412 20986	011B, 012B	
008B	4822 410 25479	013B, 015B	
009B	4822 412 20988	020B	
010B	4822 404 60342	025B	4822 380 20251
011B	4822 404 60343	026B	4822 380 20252
012B	4822 450 60912	029B	4822 454 40107
013B	4822 410 50157	016G	4822 505 10895
014B	4822 410 50156	046G	4822 462 71455
015B	4822 454 40108	907G	4822 532 51314
		002L	4822 502 12161

Only the mentioned parts are normal service parts.

(GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

(NL)

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde worden toegepast.

(D)

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden für Reparaturen sind Original-Ersatzteile zu verwenden.

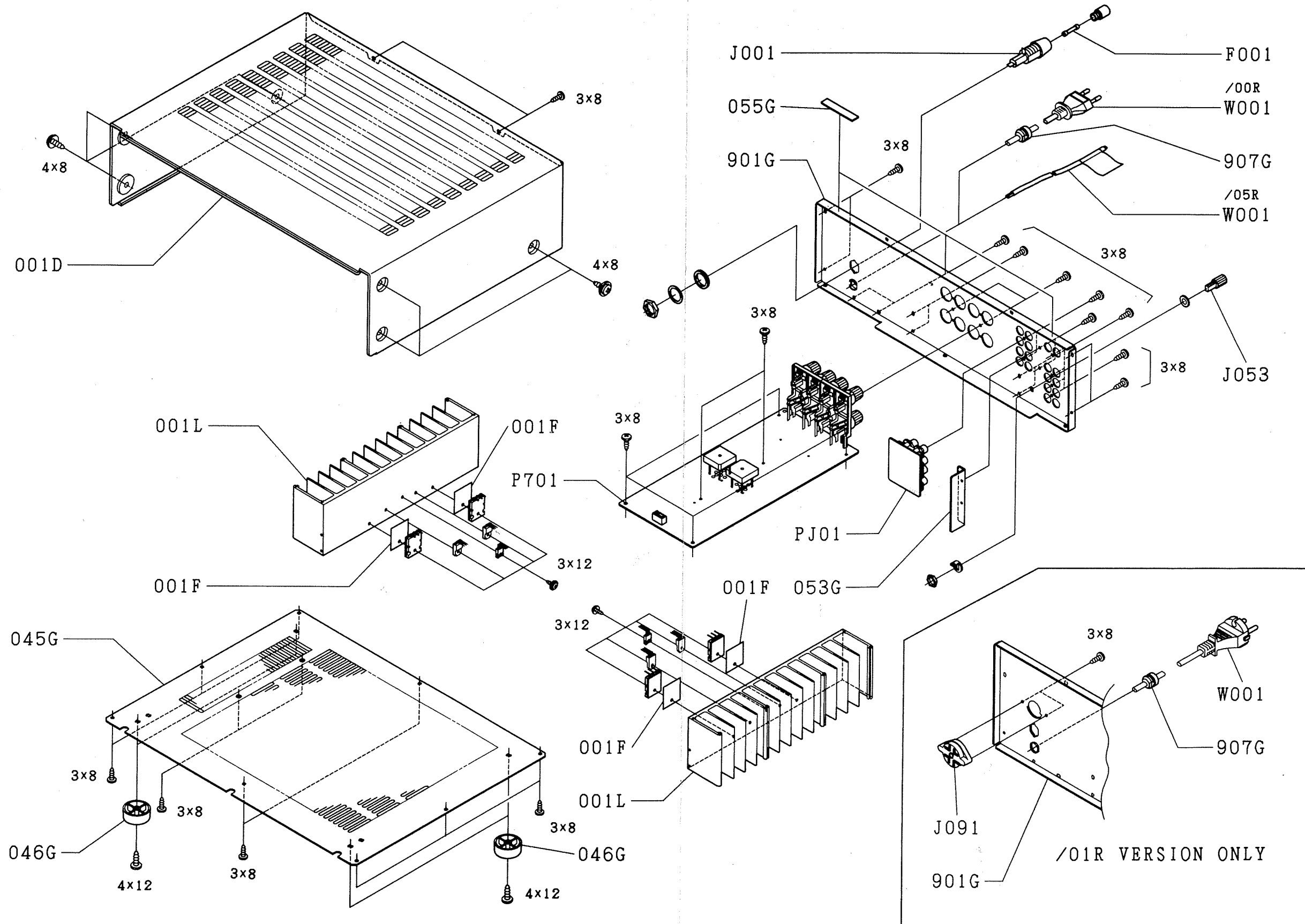
(I)

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati pezzi di ricambiaggio identici a quelli specificati.

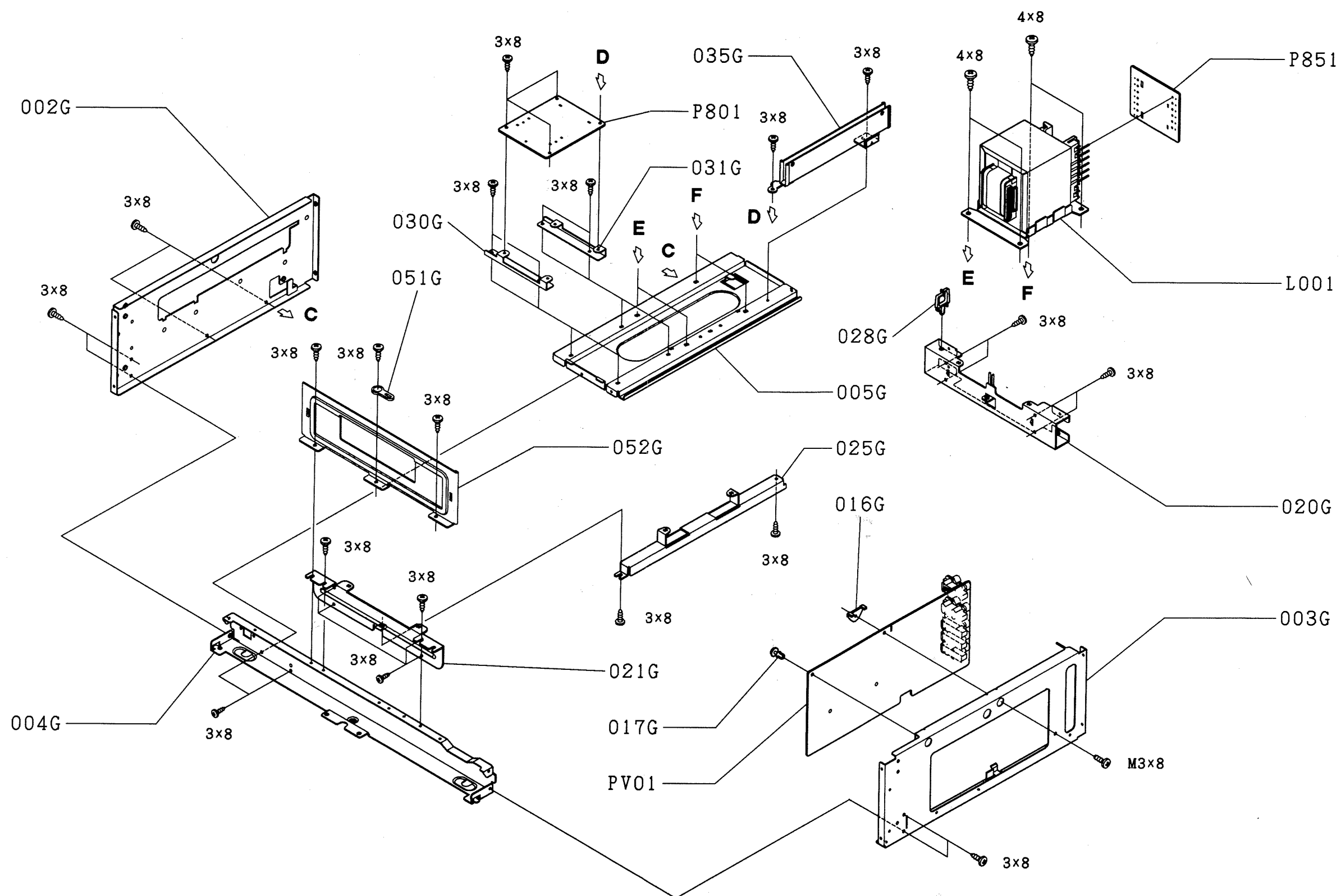
(F)

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

EXPLODED VIEW



EXPLODED VIEW



ELECTRICAL PARTS LIST

				 			
DN01, DN02	ISS81	4822 130 33065		RE21, RE22	Safety resistor	560 Ω	1/6 W 4822 111 91289
DN03, DN05, DN06	DFS10C	4822 130 32508		RE25, RE26	} Fuse resistor	47 Ω	1/4 W 4822 111 90731
DS01	ISS133	4822 130 33305		R429, R430			
DS02-DS04	MA1033M	4822 130 33374		RE65, RE66	Potm.	10 kΩ	4822 100 20574
DV02, DV03	IS1555	4822 130 31018			Bass/treble		
DY01-DY07	LN88RCPL	4822 130 33761		RG51	Potm. balance	100 kΩ	4822 105 10898
D781, D782	S5VB20	4822 130 30984		RN01, RN02	Resistor	1 Ω	1/4 W 4822 111 41272
D783-D786				RN11	Fuse resistor	22 Ω	1/4 W 4822 116 60318
D801-D808	DFS10C	4822 130 32508		RN57, RN58	Resistor	330 Ω	2 W 4822 116 60262
 				RS05, RS07	Resistor	2.2 Ω	1/2 W 4822 116 53751
QE01-QE04	2SK369	4822 130 42839		RS08, RS09	Resistor	680 Ω	2 W 5322 116 54398
QE05	NJM2041DD	4822 209 81565		RS11	Resistor	2.2 kΩ	1/2 W 4822 116 53751
QN01, QN02	2SC2240	4822 130 43231		RT01, RT02	Resistor	3.9 kΩ	1 W 4822 116 51137
QN03	2SA970	4822 130 42949		RY01	Resistor	390 Ω	1 W 4822 116 60265
QN04	TA7317P	4822 209 83312		R411-R414	Resistor	4,64 kΩ	1/6 W 4822 116 53691
Q401-Q404	2SK369BL	4822 130 42839		R427, R428			
Q405	NJM2041DD	4822 209 81565		R429, R430	Fuse resistor	47 Ω	1/4 W 4822 111 90731
Q701, Q702	2SD1508	4822 130 60526		R707, R708	Fuse resistor	1 kΩ	1/4 W 4822 116 60416
Q703, Q704	2SC2240	4822 130 43321		R713, R714	Resistor	15 kΩ	1/2 W 4822 116 53083
Q705, Q706	2SA970GR	4822 130 42949		R719, R720	Trimmer	2,2 kΩ	4822 100 20538
Q707, Q708	2SC3298	4822 130 60525		R723-R726	Resistor	100 Ω	1/6 W 4822 111 91285
Q709, Q710	2SA1306	4822 130 60524		R727, R728	Safety resistor	1,2 kΩ	1/6 W 4822 111 91287
Q711, Q712	2SC3280	4822 130 60116		R733, R734	Resistor	180 Ω	1 W 4822 116 60342
Q713, Q714	2SA1301	4822 130 60109		R735, R736	Resistor	2,2 Ω	1/4 W 4822 116 52348
Q719	STK3062MK3	4822 209 70689		R737, R738	Resistor	10 Ω	1/4 W 4822 111 41271
Q801	NJM78M18A	4822 209 80675		R743-R746	Resistor	0,18 Ω	5 W 4822 116 80153
Q802	NJM79M18A	4822 209 83829		R751, R752	Safety resistor	22 Ω	1/6 W 4822 111 91288
				R753, R754	Safety resistor	220 Ω	1/4 W 4822 111 30803
CE01, CE02	Mica cap.	47 pF 500 V	4822 123 30086	R755, R756	Safety resistor	10 Ω	2 W 4822 111 90726
CE05, CE06	Elect. cap.	100 μF 16 V	4822 124 90038	R759, R760	Safety resistor	10 kΩ	1/6 W 4822 111 91286
CE07, CE08	Elect. cap.	33 μF 16 V	4822 124 22099	R781, R782	Fuse resistor	1 Ω	1/2 W 4822 116 60306
CE09, CE10	Elect. cap.	100 μF 25 V	4822 124 90063	R801, R804	Resistor	1,2 Ω	1/4 W 5322 116 53283
CE11, CE12	Mica cap.	56 pF 500 V	4822 123 30079	R802, R805	Fuse resistor	10 Ω	1/4 W 4822 115 90166
CE13, CE14	Foil cap.	3300 pF 50 V	4822 121 42762	R803, R806	Resistor	10 Ω	1/4 W 4822 111 41271
CE51, CE52	Foil cap.	0,047 μF 50 V	4822 121 42764	R807	Fuse resistor	180 Ω	1/2 W 4822 116 60317
CE53, CE54	Elect. cap.	0,47 μF 50 V	4822 124 90071	R808	Resistor	82 Ω	1 W 4822 116 60364
CE55, CE56	Foil cap.	0,015 μF 50 V	4822 121 42757	Miscellaneous			
CE57, CE58	Elect. cap.	0,1 μF 50 V	4822 124 22034	F001	Fuse T 1,6A		4822 253 30191
CE61, CE62	Film cap.	1000 pF 50 V	4822 121 42861	F401-F408	Ferrite core		4822 526 10356
CG01, CG02				JJ01	Socket		4822 265 30512
CN01	Elect. cap.	4,7 μF 50 V	4822 124 90056	JJ02	Socket		4822 265 40581
CN02	Elect. cap.	0,47 μF 50 V	4822 124 90071	JV01	Connector		4822 266 30283
CN04, CN05	Elect. cap.	47 μF 10 V	4822 124 90057	JV02	Connector		4822 266 30285
C407, C408	Film cap.	0,047 μF 50 V	4822 121 42764	JW51	Jack headphone		4822 267 30617
C409, C410	Film cap.	0,012 μF 50 V	4822 121 42755	J001	Fuse holder		4822 256 30233
C411, C412	Foil cap.	1800 pF 50 V	4822 121 42758	J053	Socket		4822 266 10058
C413, C414	Elect. cap.	22 μF 16 V	4822 124 90048	J403	Connector		4822 266 30282
C415, C416	Foil cap.	3900 pF 50 V	4822 121 42763	J701	Connector loudsp.		4822 266 30281
C417, C418	Elect. cap.	330 μF 25 V	4822 124 22103	J702	Connector loudsp.		4822 266 30279
C427, C428	Elect. cap.	47 μF 6,3 V	4822 124 21901	LN01, LN02	Protection relay		4822 280 20275
C429, C430	Elect. cap.	10 μF 16 V	4822 124 21894	LV02	CD-direct relay		4822 280 20195
C701, C702	Elect. cap.	10 μF 50 V	4822 124 90037	L001	Power transformer		4822 146 21218
C707, C708	Film cap.	1500 pF 50 V	4822 121 42756	L701, L702	Choke coil		4822 157 51739
C713, C714	Elect. cap.	100 μF 16 V	4822 124 90038	SS01	Switch loudn./mono		4822 276 30392
C721-C724	Film cap.	0,22 μF 50 V	4822 121 42759	SS02	Switch monitor/copy		4822 276 40401
C729, C730	Elect. cap.	100 μF 63 V	4822 124 22171	SS03	Switch CD-direct		4822 276 20453
C781, C782	Cer. cap.	0,01 μF 500 V	4822 122 30043	ST01	Switch speaker		4822 276 20452
C783-C786	Elect. cap.	4700 μF 56 V	4822 124 22169	SV01	Switch slide		4822 277 20832
C787, C788	Elect. cap.	100 μF 63 V	4822 124 22171	S001	Switch input sel.		4822 273 20258
C804, C807	Elect. cap.	330 μF 35 V	4822 124 90055	S901	Switch power		4822 276 12026
C805, C808	Elect. cap.	220 μF 25 V	4822 124 90049	VY01, VZ01	} Lamp 8 V 50 mA		4822 134 40751
C806	Elect. cap.	470 μF 35 V	4822 124 22042	VZ51, VZ52			
C901	Cer. cap.	0,01 μF 400 V	4822 122 40305				