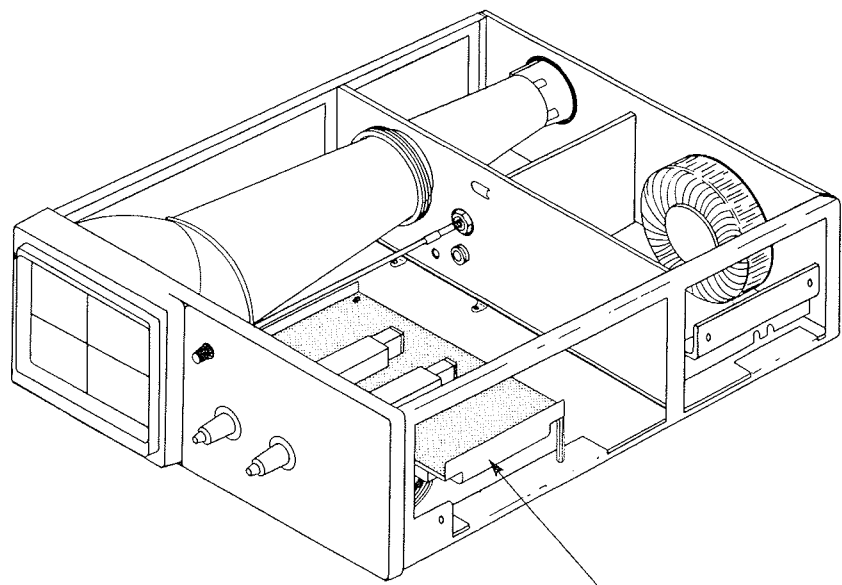


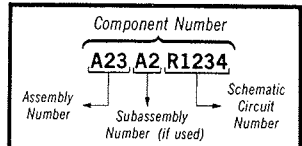
Figure 9-5. A2—Attenuator board.



A2—ATTENUATOR BOARD

Static Sensitive Devices
See Maintenance Section

COMPONENT NUMBER EXAMPLE



Chassis-mounted components have no Assembly Number prefix—see end of Replaceable Electrical Parts List.

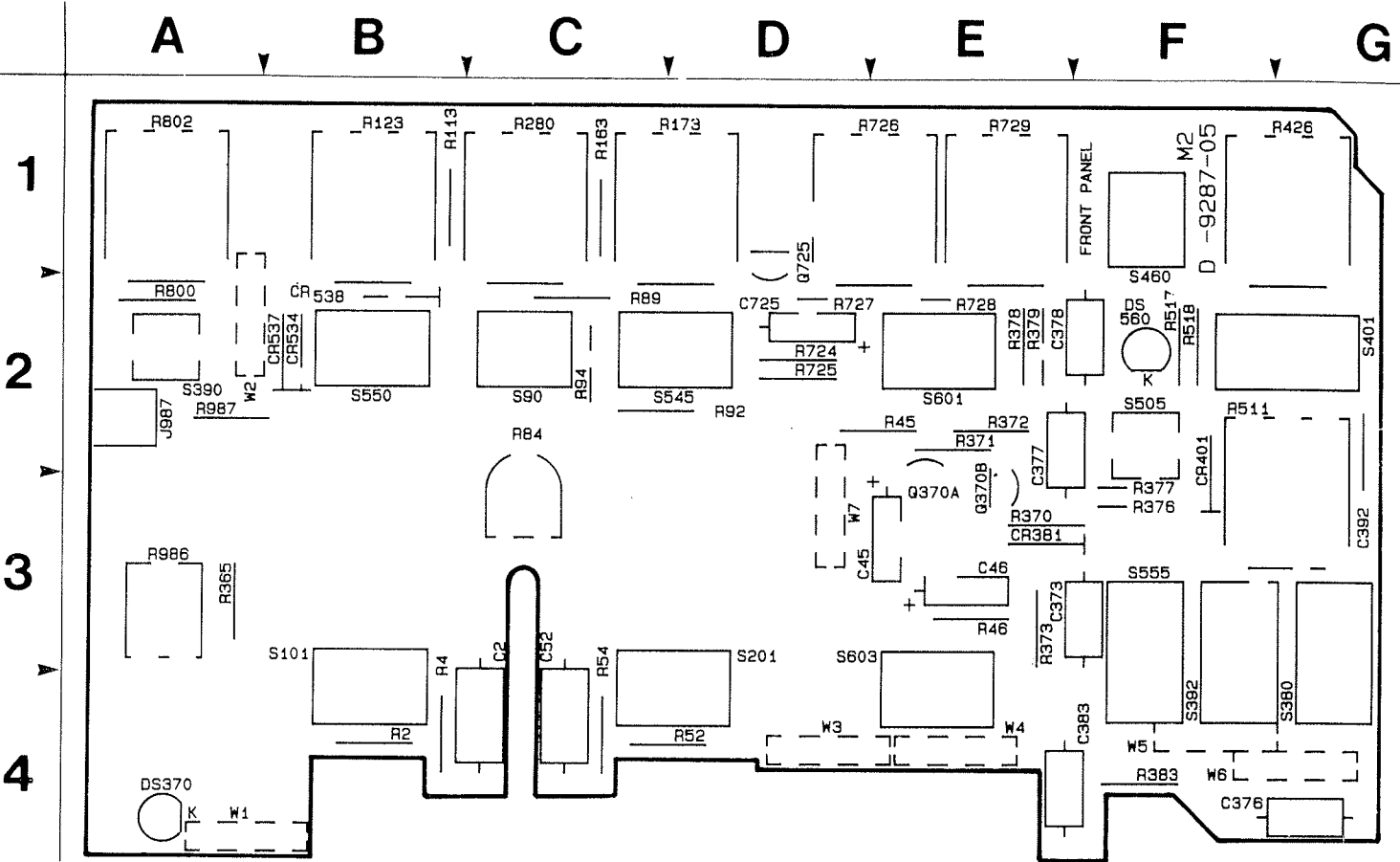
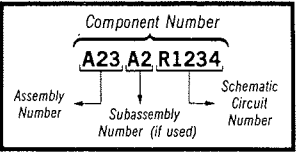


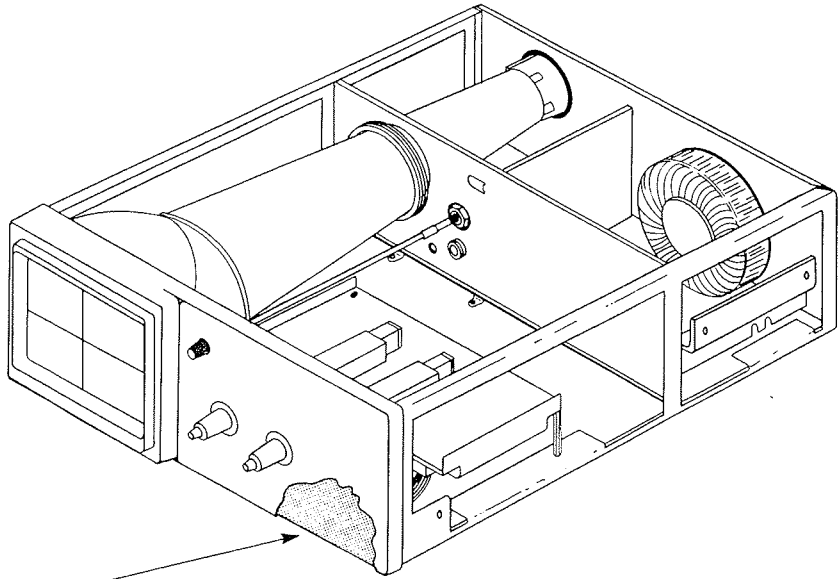
Figure 9-6. A3—Front Panel board.

⚡ Static Sensitive Devices
See Maintenance Section

COMPONENT NUMBER EXAMPLE



Chassis-mounted components have no Assembly Number prefix—see end of Replaceable Electrical Parts List.



A3—FRONT PANEL BOARD

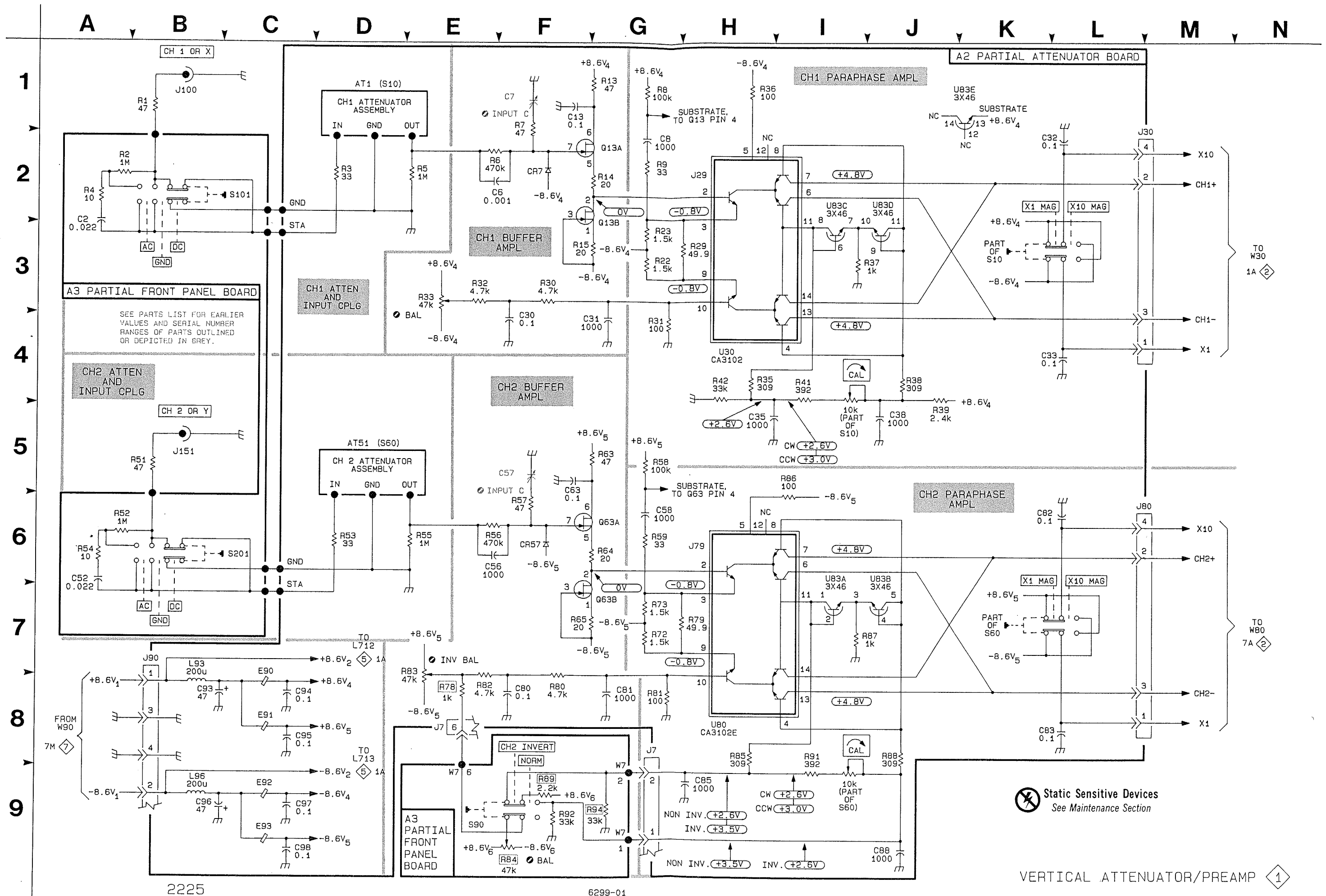
A3—FRONT PANEL BOARD

CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER
C2	1	R1	6	R377	6	S390	6
C2	6	R2	1	R378	6	S392	6
C45	6	R2	6	R379	6	S401	6
C46	6	R4	1	R382	6	S460	6
C52	1	R4	6	R383	6	S505	4
C52	6	R45	6	R426	3	S505	6
C373	6	R46	6	R426	6	S545	2
C376	6	R51	1	R511	4	S545	6
C377	6	R51	6	R511	6	S550	2
C378	6	R52	1	R517	4	S550	6
C383	6	R52	6	R517	6	S555	6
C392	6	R54	1	R518	4	S601	4
C725	6	R84	1	R518	6	S601	6
C726	6	R84	6	R724	6	S603	6
		R89	1	R725	6		
CR136	2	R89	6	R726	6	W1	2
CR381	6	R92	1	R727	6	W1	4
CR534	2	R92	6	R728	6	W1	6
CR534	6	R94	1	R729	6	W1	7
CR537	2	R94	6	R800	6	W2	2
CR537	6	R113	2	R800	7	W2	6
CR538	2	R113	6	R802	6	W3	3
CR538	6	R123	2	R802	7	W3	6
		R123	6	R986	6	W4	4
DS370	6	R163	2	R986	7	W4	6
DS560	4	R173	2	R987	6	W4	7
DS560	6	R173	6	R987	7	W5	4
		R280	2			W5	6
J987	6	R280	6	S90	1	W6	6
J987	7	R365	6	S90	6	W6	7
		R370	6	S101	1	W7	1
Q370	6	R371	6	S101	6	W7	6
Q725	6	R372	6	S201	1		
		R373	6	S201	6		
R1	1	R376	6	S380	6		

VERTICAL ATTENUATOR/PREAMP DIAGRAM 1

ASSEMBLY A2											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
AT00001	1D	1F	C98	9C	5E	R6	2E	1F	R64	6G	2E
AT51	5D	1D				R7	1F	2F	R65	7F	2E
			CR7	2F	2F	R8	1G	1F	R72	7G	3E
C6	2F	1F	CR57	6F	2E	R9	2G	1G	R73	7G	3E
C7*	1F	2G				R13	1G	1F	R78	8E	5D
C8	2G	1G	E90	8C	6F	R14	2G	2G	R79	7H	3E
C13	1F	1F	E91	8C	5E	R15	3F	2F	R80	8F	4E
C30	4F	4G	E92	9C	5F	R22	3G	3F	R81	8G	3E
C31	4G	3G	E93	9C	5E	R23	3G	3F	R82	8E	4E
C32	2L	4F				R29	3H	3F	R83	7E	5E
C33	4L	4E	J7-1	8G	4D	R30	3F	4F	R85	8H	4E
C35	5H	4F	J7-2	8G	4D	R31	4G	3G	R86	5I	2E
C38	5J	4F	J29	2H	3F	R32	3E	4G	R87	7J	4E
C56	6E	1D	J30	2L	4G	R33	3E	5F	R88	8J	4E
C57*	5F	2E	J79	6H	3E	R35	4H	4F	R91	8I	4E
C58	6G	1E	J80	6L	4E	R36	1H	2F			
C63	5F	1E	J90	7B	5E	R37	3J	5F	S10	1D	1F
C80	8F	4E				R38	4J	4F	S60	5D	1D
C81	8G	3E	L93	8B	5E	R39	5J	4F			
C82	6L	4D	L96	9B	5E	R41	4I	4F			
C83	8L	4D				R42	4H	4F	U30	4H	3F
C85	9H	4E	Q13A	2G	2F	R53	6D	1D	U80	8H	3E
C88	9J	4E	Q13B	3G	2F	R55	6E	1D	U83A	6I	4F
C93	8B	5F	Q63A	6G	2E	R56	6E	1D	U83B	6J	4F
C94	8C	5F	Q63B	7G	2E	R57	6F	2E	U83C	2I	4F
C95	8C	5E				R58	5G	1E	U83D	2J	4F
C96	9B	5F	R3	2D	1F	R59	6G	1E			
C97	9C	5F	R5	2E	1F	R63	5G	1E			
Partial A2 also shown on diagrams 4, 5 and 6.											
ASSEMBLY A3											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C2	2A	4C	R51	5B	4D	R94	9G	2C	W7-1	9G	3D
C52	6A	4C	R52	6A	4D				W7-2	8G	3D
			R54	6A	4C	S90	9E	2C	W7-6	9E	3D
R1	1B	4B	R84*	9F	3C	S101	2C	4B			
R2	2A	4B	R89	9F	2C	S201	6C	4D			
R4	2A	4B	R92	9F	2D						
Partial A3 also shown on diagrams 2, 3, 4, 6 and 7.											
CHASSIS MOUNTED PARTS											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
J100	1B	CHASSIS	J151	5B	CHASSIS						

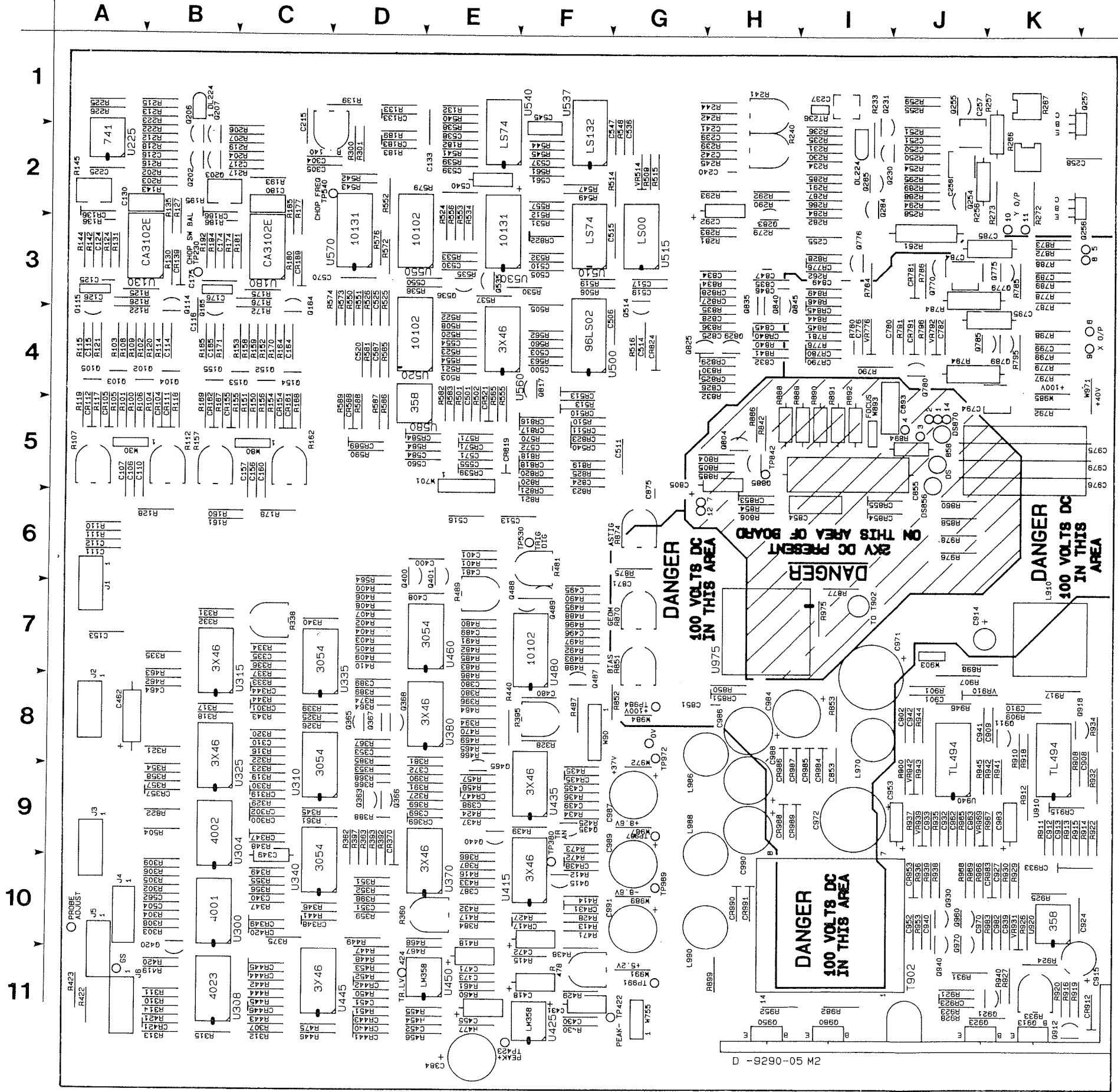
*See Parts List for
serial number ranges.



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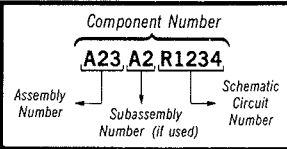
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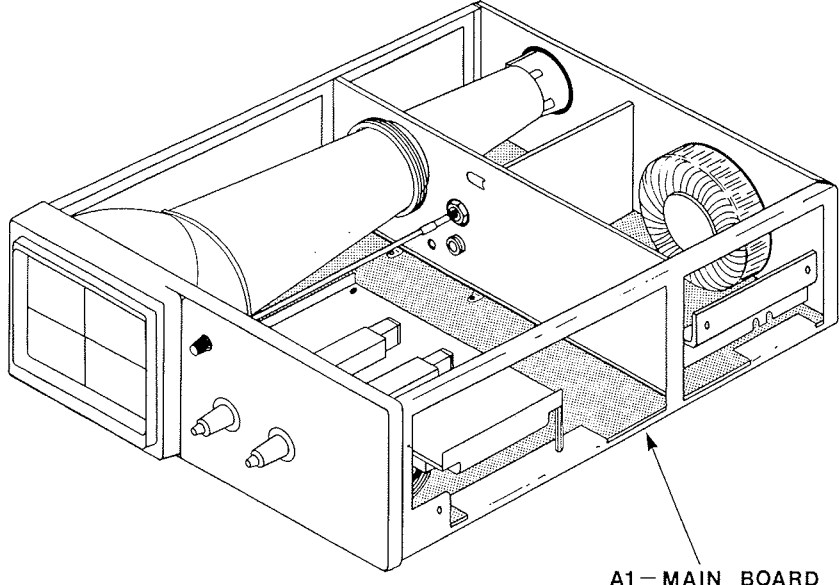


Static Sensitive Devices
See Maintenance Section

COMPONENT NUMBER EXAMPLE



Chassis-mounted components have no Assembly Number prefix—see end of Replaceable Electrical Parts List.



A1—MAIN BOARD

Figure 9-7. A1—Main board component view.

A1—MAIN BOARD

CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER
C106	2	C504	4	C971	7	CR827	7	Q256	2	R132	2
C107	2	C505	4	C972	7	CR828	7	Q257	2	R133	2
C110	2	C506	4	C975	7	CR829	7	Q283	2	R135	2
C111	2	C510	4	C976	7	CR840	7	Q284	2	R136	2
C112	2	C511	4	C979	7	CR845	7	Q285	2	R139	2
C114	2	C513	4	C982	7	CR851	7	Q363	3	R140	2
C115	2	C514	4	C983	7	CR853	7	Q365	3	R142	2
C116	2	C515	4	C984	7	CR854	7	Q366	3	R143	2
C124	2	C516	4	C986	7	CR855	7	Q367	3	R144	2
C125	2	C517	4	C987	7	CR912	7	Q368	3	R145	2
C126	2	C519	4	C988	7	CR915	7	Q400	3	R150	2
C130	2	C520	4	C989	7	CR923	7	Q401	3	R151	2
C133	2	C525	4	C990	7	CR933	7	Q415	3	R152	2
C153	2	C530	4	C991	7	CR953	7	Q420	3	R153	2
C156	2	C536	2			CR983	7	Q435	3	R154	2
C157	2	C537	2	CR104	2	CR984	7	Q440	3	R155	2
C160	2	C538	2	CR105	2	CR985	7	Q465	3	R156	2
C164	2	C539	2	CR111	2	CR986	7	Q487	3	R157	2
C165	2	C540	2	CR112	2	CR987	7	Q488	3	R158	2
C174	2	C545	2	CR133	2	CR988	7	Q489	3	R159	2
C175	2	C547	2	CR139	2	CR989	7	Q514	4	R160	2
C176	2	C550	4	CR154	2	CR990	7	Q535	4	R161	2
C180	2	C554	4	CR155	2	CR991	7	Q536	4	R162	2
C215	2	C555	4	CR161	2			Q770	5	R164	2
C216	2	C560	4	CR162	2	DS856	7	Q775	5	R165	2
C217	2	C561	2	CR183	2	DS858	7	Q776	5	R166	2
C220	2	C562	3	CR186	2	DS870	7	Q779	5	R167	2
C225	2	C570	4	CR189	2			Q780	5	R168	2
C237	2	C571	4	CR300	3	E102	2	Q785	5	R169	2
C239	2	C572	4	CR301	3	E103	2	Q789	5	R170	2
C240	2	C584	4	CR302	3	E152	2	Q804	7	R171	2
C241	2	C587	4	CR319	3	E153	2	Q817	7	R172	2
C242	2	C776	5	CR344	3			Q825	7	R174	2
C250	2	C780	5	CR347	3	J1	2	Q829	7	R175	2
C251	2	C782	5	CR348	3	J1	4	Q835	7	R176	2
C255	2	C784	5	CR349	3	J1	6	Q840	7	R177	2
C256	2	C785	5	CR357	3	J1	7	Q845	7	R178	2
C257	2	C789	5	CR369	3	J2	2	Q885	7	R180	2
C258	2	C794	5	CR370	3	J2	3	Q911	7	R181	2
C281	2	C795	5	CR417	3	J2	6	Q912	7	R182	2
C292	2	C799	5	CR420	3	J3	3	Q913	7	R183	2
C304	3	C805	7	CR421	3	J3	6	Q918	7	R185	2
C305	3	C824	7	CR431	3	J4	4	Q921	7	R186	2
C310	3	C825	7	CR432	3	J4	6	Q923	7	R189	2
C335	3	C828	7	CR435	3	J4	7	Q930	7	R192	2
C340	3	C832	7	CR438	3	J5	3	Q940	7	R193	2
C349	3	C834	7	CR440	3	J5	4	Q950	7	R194	2
C351	3	C835	7	CR441	3	J5	6	Q960	7	R195	2
C353	3	C845	7	CR442	3	J6	3	Q970	7	R202	2
C369	3	C847	7	CR443	3	J6	6	Q980	7	R203	2
C372	3	C849	7	CR444	3	J6	7			R204	2
C380	3	C851	7	CR445	3			R100	2	R206	2
C384	3	C853	7	CR446	3	L910	7	R101	2	R207	2
C387	3	C854	7	CR447	3	L970	7	R102	2	R212	2
C389	3	C855	7	CR510	4	L986	7	R103	2	R213	2
C398	3	C871	7	CR511	4	L988	7	R104	2	R215	2
C400	3	C875	7	CR513	4	L990	7	R105	2	R216	2
C401	3	C893	7	CR521	4			R106	2	R217	2
C408	3	C901	7	CR530	4	P900	7	R107	2	R218	2
C418	3	C902	7	CR539	2			R108	2	R219	2
C430	3	C908	7	CR540	4	Q102	2	R109	2	R222	2
C431	3	C909	7	CR571	4	Q103	2	R110	2	R223	2
C435	3	C910	7	CR584	4	Q104	2	R111	2	R225	2
C439	3	C912	7	CR588	4	Q105	2	R112	2	R226	2
C451	3	C913	7	CR589	4	Q114	2	R114	2	R230	2
C452	3	C914	7	CR776	5	Q115	2	R115	2	R231	2
C455	3	C915	7	CR780	5	Q152	2	R116	2	R233	2
C462	3	C924	7	CR781	5	Q153	2	R117	2	R234	2
C464	3	C927	7	CR790	5	Q154	2	R118	2	R235	2
C471	3	C932	7	CR791	5	Q155	2	R119	2	R236	2
C472	3	C933	7	CR816	7	Q164	2	R120	2	R239	2
C473	3	C939	7	CR817	7	Q165	2	R121	2	R240	2
C480	3	C940	7	CR818	7	Q202	2	R122	2	R241	2
C481	3	C941	7	CR819	7	Q203	2	R124	2	R242	2
C489	3	C942	7	CR820	7	Q206	2	R125	2	R244	2
C495	3	C952	7	CR821	7	Q207	2	R126	2	R245	2
C496	3	C953	7	CR822	7	Q230	2	R127	2	R250	2
C500	4	C962	7	CR823	7	Q231	2	R128	2	R251	2
C501	4	C963	7	CR824	7	Q254	2	R130	2	R254	2
C503	4	C970	7	CR825	7	Q255	2	R131	2	R255	2



VERTICAL PREAMP & OUTPUT AMPLIFIER DIAGRAM 2

ASSEMBLY A1														
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C106	1C	5A	CR139	3G	3B	R105	2B	4A	R172	8E	3C	R267*	4M	1J
C107	3C	5A	CR154*	8B	4C	R106	2B	4B	R174	8E	3B	R268*	6M	1K
C110	2C	5B	CR155*	9B	4B	R107	2C	5A	R175	8E	3C	R272	8M	2K
C111*	2E	6A	CR161	8C	4C	R108	2B	4A	R176	8E	3C	R273	4M	2J
C112*	1E	6A	CR162	9C	4B	R109	3B	4A	R177	8F	2C	R279	2K	2H
C114	1E	4B	CR183	7G	1D	R110	2C	5A	R178	8C	5C	R281*	2K	2G
C115	3E	4A	CR186	7F	2B	R111	2C	5A	R180	7F	3C	R282*	2K	2H
C116	2E	3B	CR189	7G	3C	R112	2C	5B	R181	9F	3C	R283	2K	2G
C124	2E	3A	CR539	6D	5E	R114	1E	4B	R182	6F	1E	R284*	3L	2H
C125	2E	3A				R115	3E	4A	R183	6G	2D	R285	1M	2H
C126	2F	3A	E102*	2B	4B	R116*	1D	3B	R185	9F	2C	R286	1L	2H
C130	2F	2A	E103*	2B	4A	R117*	1C	4A	R186	7F	2B	R287	1L	2H
C133	6F	1D	E152*	8B	4C	R118	1C	4B	R189	5G	1D	R288*	3L	2I
C153*	8E	7A	E153*	9B	4C	R119	3C	4A	R192	6G	3B	R289*	2L	2I
C156	7C	5C				R120	2E	4B	R193	7G	2C	R290	1L	2H
C157	9C	5C	J1-5	1D	6A	R121	2E	4A	R194	8G	3B	R291	1L	2H
C160	8C	5C	J1-6	3D	6A	R122	2E	3A	R195	8G	2B	R292	1L	2H
C164	8E	4C	J2-1	8D	6A	R124	1E	3A	R202	5H	2B	R293	1K	2G
C165	9E	4B	J2-2	9D	6A	R125	2E	3A	R203	5H	2B	R294	3K	2I
C174	9E	3B	J2-3	6C	6A	R126	1F	3A	R204	5I	2C	R295	2M	2I
C175	9E	3B	J2-4	6C	6A	R127	2F	2B	R206	3I	1C	R538	4F	1E
C176	9F	3B	J2-5	6C	6A	R128	2C	5B	R207	6I	1C	R539	6D	2E
C180	8F	2C	J2-6	2K	6A	R130	2F	3B	R212	4I	1B	R540	5F	1E
C215	5I	1C				R131	3F	3A	R213	5I	1B	R541	5F	2E
C216*	4I	2B	Q102	2B	4B	R132	5F	1E	R215	5I	1B	R544*	5D	1F
C217*	6I	2C	Q103	3B	4A	R133	5F	1D	R216	4I	2B	R545	5D	2F
C220*	8I	1C	Q104	1C	4B	R135	1F	2B	R217	6I	2C	R547	4E	2F
C225*	6I	2A	Q105	3C	4A	R136	3F	2A	R218	4I	2B	R548	4E	1F
C237	6L	1H	Q114	1E	3B	R139	5G	1D	R219	6I	2C	R549*	4F	2F
C239	5L	1G	Q115	3E	3A	R140	5G	1C	R222	5I	1B	R561	4D	2F
C240	6L	2G	Q152	8B	4C	R142	2G	3A	R223	5I	1B			
C241	5L	1G	Q153	9B	4C	R143	3G	2B	R225	7I	1A	RT236	7L	1H
C242	5L	2G	Q154	7C	4C	R144	2G	3A	R226	7I	1A			
C250	7L	1I	Q155	9C	4B	R145	2G	2A	R230	7L	2H	TP230	5G	2B
C251	3K	1I	Q164	7E	3C	R160	8B	4C	R231	4L	1H	TP540	5F	2C
C255*	4L	2H	Q165	9E	3B	R151	9B	4C	R233	7L	1I			
C256	8L	2J	Q202*	4I	2B	R152	7B	4C	R234	6L	2H	U130	1F	3B
C257	3L	1J	Q203*	5I	2B	R153	9B	4C	R235	6L	1H	U180	9G	3C
C258	6M	2K	Q206	4I	1B	R154	8B	4C	R236*	7L	1H	U225	7I	1A
C281*	1K	2I	Q207	6I	1B	R155	9B	4C	R239	5L	1G	U537A	5E	1F
C292	1K	2G	Q230	7L	2I	R156	8B	4C	R240	6L	1H	U537B	4F	1F
C536	5E	1F	Q231	4L	1I	R157	8C	5B	R241	5L	1H	U537C	5E	1F
C537	9I	2F	Q254	8L	2J	R158	8B	4C	R242	5L	1G	U537D	5D	1F
C538*	5E	1E	Q255	3L	1J	R159	9B	4C	R244	5L	1G	U540A	5E	1E
C539*	6E	2E	Q256	8M	2K	R160	8C	5B	R245	5L	2G	U540B	5C	1E
C540	9I	2E	Q257	3L	1K	R161	8C	5B	R250	7L	1J			
C545	5D	1F	Q283	2K	2H	R162	9C	5C	R251	3L	1I	W30-1	1A	5A
C547	4E	1F	Q284	2L	2I	R164	8E	4C	R254	4L	2I	W30-2	2A	5A
C561*	5D	2F	Q285	1M	2I	R165	9E	4B	R255	3L	1I	W30-3	3A	5A
						R166*	7D	3C	R256	8L	2J	W30-4	3A	5A
CR104*	1B	4B	R100	1B	4A	R167*	8C	4B	R257	3L	1J	W80-1	7A	5C
CR105*	3B	4A	R101	3B	4A	R168	7C	4C	R258	8L	2C	W80-2	8A	5C
CR111	1C	4B	R102	1B	4B	R169	9C	4B	R259	4L	1I	W80-3	9A	5C
CR112	3C	4A	R103	3B	4A	R170	8E	4C	R261	3M	2I	W80-4	9A	5C
CR133	1G	1D	R104	2B	4B	R171	9E	4B	R266*	7M	2J			
Partial A1 also shown on diagrams 3, 4, 5, 6 and 7.														
ASSEMBLY A3														
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
CR136	3F	2A	R113	2D	1B	S545	4A	2D	W2-1	8D	2A	W2-6	1K	2A
CR534	5A	2B	R123	2D	1B	S550	6A	2B	W2-2	9D	2A			
CR537	5B	2B	R163	8D	1C				W2-3	6B	2A			
CR538	6B	2B	R173	8D	1D	W1-5	1D	4A	W2-4	5B	2A			
			R280	1J	1C	W1-6	3D	4A						
									W2-5	4B	2A			
Partial A3 also shown on diagrams 1, 3, 4, 6 and 7.														
CHASSIS MOUNTED PARTS														
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
DL224	5K	CHASSIS												

*See Parts List for serial number ranges.

WAVEFORMS FOR DIAGRAM 2

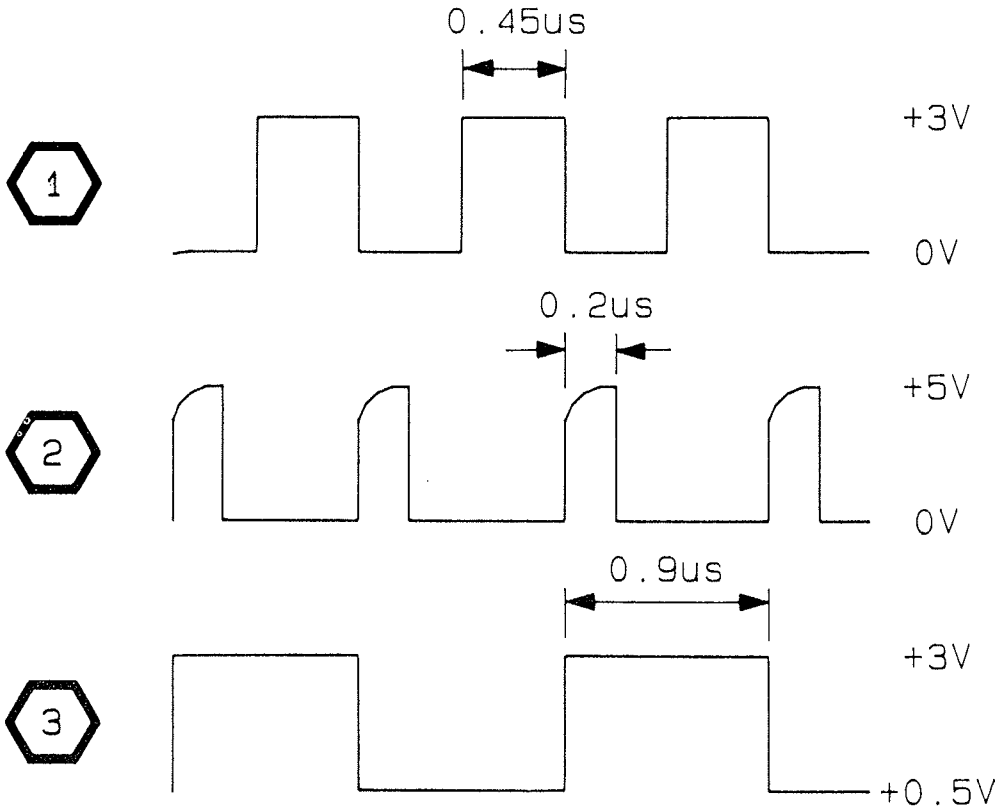
2225 CONTROL SETTINGS

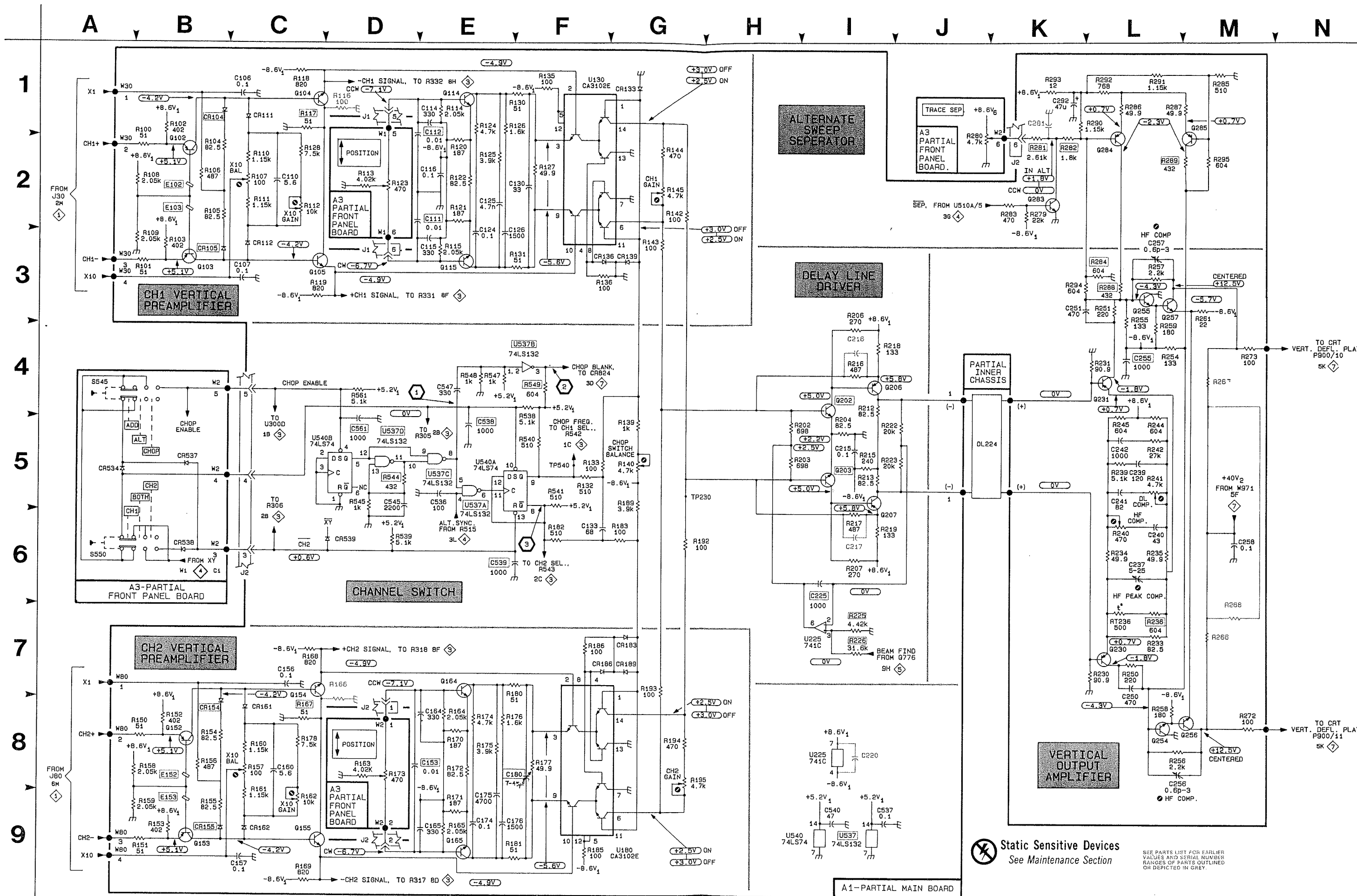
DC VOLTAGES

AC GND DC GND
VOLTS/DIV (both) 0.1V

AC WAVEFORMS

VERTICAL MODE BOTH, CHOP
TRIGGER MODE P-P AUTO





TRIGGER DIAGRAM 3

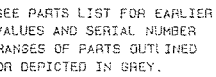
ASSEMBLY A1								
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C304	1C	2C	CR444	7I	10C	R325*	7D	7C
C305	3C	2C	CR445	7I	10C	R326*	7E	7C
C310	7E	8C	CR446	7J	10C	R327	6G	8D
C335	7G	7C	CR447	6L	8E	R328	6H	8F
C340	7B	9C				R329	7E	8C
C349	7A	9C	J2-3	1A	6A	R330	7E	8C
C351	8C	9C	J2-4	1A	6A	R331	7F	6B
C353*	3F	8D	J2-5	1A	6A	R332	8H	6B
C369	4E	8D	J3-3	5B	9A	R333	8G	7C
C372	4F	8D	J3-4	3M	9A	R334	8H	7C
C380	6G	7E	J3-5	3M	9A	R335	8G	7B
C384	6F	3I	J3-6	3M	9A	R336	8G	7C
C387	5F	9E	J5-1	2A	10A	R337	8H	7C
C389	4G	7D	J5-2	2A	10A	R338	7G	6C
C398	6I	8E	J5-5	4A	10A	R339*	7G	7C
C400*	1G	6D	J5-6	4A	10A	R340*	7H	6C
C401	1F	6E	J6-3	3A	10A	R343	7H	7C
C408	1F	6D	J6-4	3A	10A	R344	7H	7C
C418	3J	10E	J6-5	3A	10A	R345*	6B	8C
C430	4K	10F				R346*	6B	9C
C431	5J	10E	Q363	4E	8D	R347	7B	9C
C435	4I	8F	Q365	4E	7D	R348*	7B	9C
C439	5I	8F	Q366	3F	8H	R349	7A	9C
C451	7K	10D	Q367	3F	7D	R351	7C	9D
C452	7K	11D	Q368	4F	7D	R352	7C	9D
C455*	7L	10E	Q400	1G	6D	R353*	3F	8D
C462	5N	6A	Q401	1G	6E	R354*	8B	8B
C464	6M	7B	Q415	3J	9F	R355	7B	10C
C471	6M	10E	Q420*	9I	10B	R356	7B	9C
C472	6M	10E	Q435	4I	8F	R357	8B	8B
C473	6M	10E	Q440	9K	9E	R358	8B	8B
C480	9F	7F	Q465	5M	8E	R359	7C	9D
C481	1H	6E	Q487	1K	7F	R360	7C	9D
C489	2J	6E	Q488	1K	6E	R361*	3E	8C
C495	2K	6F	Q489	1K	6F	R362*	4E	9D
C496	2L	6F				R363	3E	9D
C562	1B	2F	R300	1D	2D	R364	3E	7D
			R301	3C	2D	R366	3F	8D
CR300	1D	8C	R302	1B	9B	R367	3F	8D
CR301	2D	7C	R303	2B	10B	R368	3F	8D
CR302	2D	8C	R304	2C	9B	R369	4F	8D
CR319	7E	8C	R305	1B	9B	R374	4G	7D
CR344	7G	7C	R306	1B	9B	R375	9J	10C
CR347	6B	9C	R307	3B	11C	R380	4H	7E
CR348	6C	9C	R308	2B	9B	R381*	5G	8D
CR349	6C	9C	R309	2C	9B	R384	5F	9E
CR357	8B	8B	R310	3B	10B	R385	5G	8D
CR369	5F	8D	R311	4B	10B	R386	5F	9E
CR370	5F	9D	R312	4B	11C	R387	5F	9E
CR417	3I	9E	R313	4B	11B	R388	4F	8D
CR420*	9I	10C	R314	4B	10B	R389	3F	7D
CR421*	9I	11B	R315	4B	11B	R390*	4G	8D
CR431	5J	9F	R316	7E	8C	R391	4G	8D
CR432*	9I	11B	R317	8D	7B	R392	5G	9D
CR435	4H	8F	R318	8F	7B	R393	5G	9D
CR438	4I	9F	R319	8D	8C	R394	5G	7E
CR440	7K	11D	R320	8E	7C	R395	4G	7F
CR441	7K	11D	R321	8D	8B	R396	4G	7E
CR442	8J	10D	R322	8D	8C	R397	6G	9D
CR443	7J	10D	R323	8E	8C	R398	6H	9D
Partial A3 also shown on diagrams 1, 2, 4, 6 and 7.								

*See Parts List for
serial number ranges.

TRIGGER DIAGRAM (CONT)

CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
R400	1G	6D	R460	6M	10E	U315B	8G	7B
R401	1G	6E	R461	6M	10E	U315C	8H	7B
R402	3G	6D	R462	5N	7B	U315D	8G	7B
R403	2H	7D	R463	5N	7B	U315E	6N	7B
R404	2G	6D	R464	5M	7E	U325B	8D	8B
R405	2G	7D	R465	5M	8E	U325C	8E	8B
R406	1F	6D	R466	6M	8E	U325D	8E	8B
R407	1F	6D	R467	5M	10D	U335A	7G	7C
R408	1F	6D	R468	6M	10D	U335B	7G	7C
R409	2G	7D	R469	5L	8E	U335C	7H	7C
R410	2G	7D	R470	6L	7E	U335D	7H	7C
R412	3I	9F	R471	6M	10F	U335E	7H	7C
R413	3I	9F	R472	6N	9F	U335F	7G	7C
R414	4I	9F	R473	6N	9F	U340A	6A	9C
R415	3J	10E	R475	6L	11C	U340B	7B	9C
R416*	3J	9E	R477	8L	10E	U340C	7C	9C
R417	3H	9E	R478	8L	10F	U340D	7B	9C
R418	3J	10E	R480	1H	6E	U340E	7B	9C
R419*	9I	10B	R481	1H	6F	U340F	6B	9C
R420*	9I	10B	R482	1H	7E	U370B	5F	9D
R421*	9I	10B	R483*	2J	7E	U370C	4F	9D
R422*	4K	10A	R485	1J	7E	U370D	5F	9D
R423*	3K	10A	R486	1K	7E	U370E	8J	9D
R424	5I	8E	R487	1K	7F	U380A	5G	7D
R425	4I	8F	R488	1K	6F	U380B	5G	7D
R427	5J	9E	R489	2J	6E	U380C	4G	7D
R428	4J	9F	R490	2K	6F	U380D	4F	7D
R429*	4J	10F	R491	2J	7E	U380E	5G	7D
R430	4J	10F	R492	1K	7F	U415A	3I	9E
R432	5K	9E	R493	2K	7F	U415B	3I	9E
R433	5K	9E	R495	1L	6F	U415C	6N	9E
R434*	4H	8F	R496	1L	6F	U415D	3K	9E
R435*	4H	8F	R497	2L	7F	U415E	5J	9E
R436	5H	10F	R498*	2L	7F	U425A	4K	10F
R437	5I	8E	R542	1C	2D	U425B	3J	10F
R438	4I	10F	R543	2C	2D	U435A	4H	8E
R439	5I	8E				U435B	5H	8E
R440	9K	7E	TP380	4H	9F	U435C	6L	8E
R441	9K	9C	TP422	4K	10G	U435D	6L	8E
R442	6I	10C	TP423	3K	9F	U435E	4I	8E
R443	6J	10C				U445A	7J	10C
R444	7I	10C	U300A	2D	9B	U445B	7J	10C
R445	7I	10C	U300B	2D	9B	U445C	8J	10C
R446	7J	11C	U300C	1B	9B	U445D	8J	10C
R447	8J	10D	U300D	1B	9B	U445E	6I	10C
R448	8J	10D	U304A	1C	9B	U450A	6L	10D
R449	8J	10D	U304B	2C	9B	U450B	7K	10D
R450	7K	10D	U308A	4B	10B	U460A	2F	7D
R451	7K	10D	U308B	2B	10B	U460B	2G	7D
R452	8K	10D	U308C	3B	10B	U460C	2G	7D
R453	8K	10D	U310A	7D	8C	U460D	2H	7D
R454	7K	11D	U310B	7D	8C	U460E	2G	7D
R455*	7L	10D	U310C	7E	8C	U460F	2G	7D
R456	7L	11D	U310D	7E	8C	U480A	2L	7F
R457	6L	8E	U310E	7E	8C	U480B	1L	7F
R458	6L	8E	U310F	7D	8C	U480C	2H	7F
						U480D	1J	7F
ASSEMBLY A3								
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
R426	4N	1F	W3-4 W3-5	4N 4N	4D 4D	W3-6	4N	4D
Partial A3 also shown on diagrams 1, 2, 4, 6 and 7.								

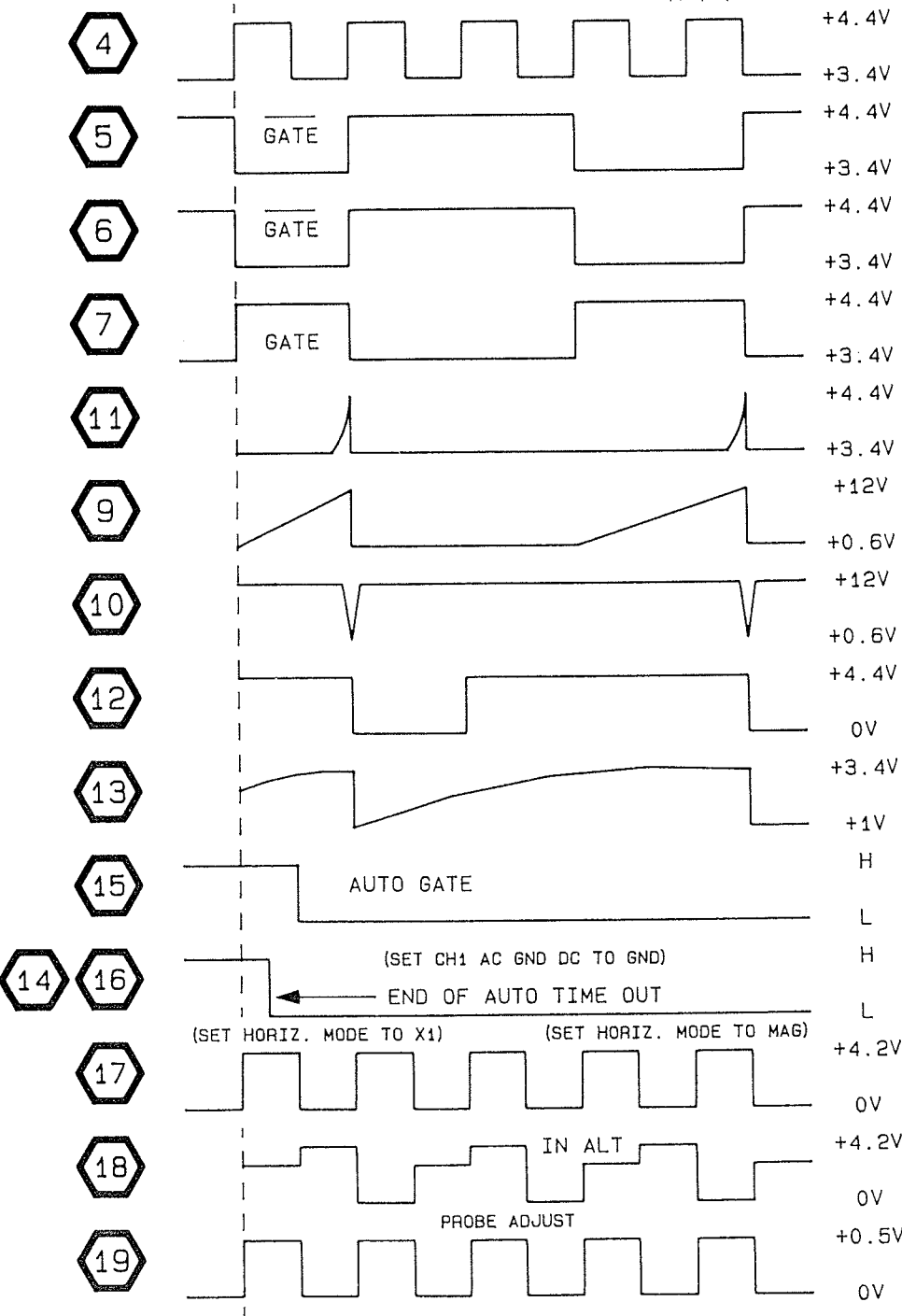
*See Parts List for
serial number ranges.



WAVEFORMS FOR DIAGRAM 4

2225 CONTROL SETTINGS

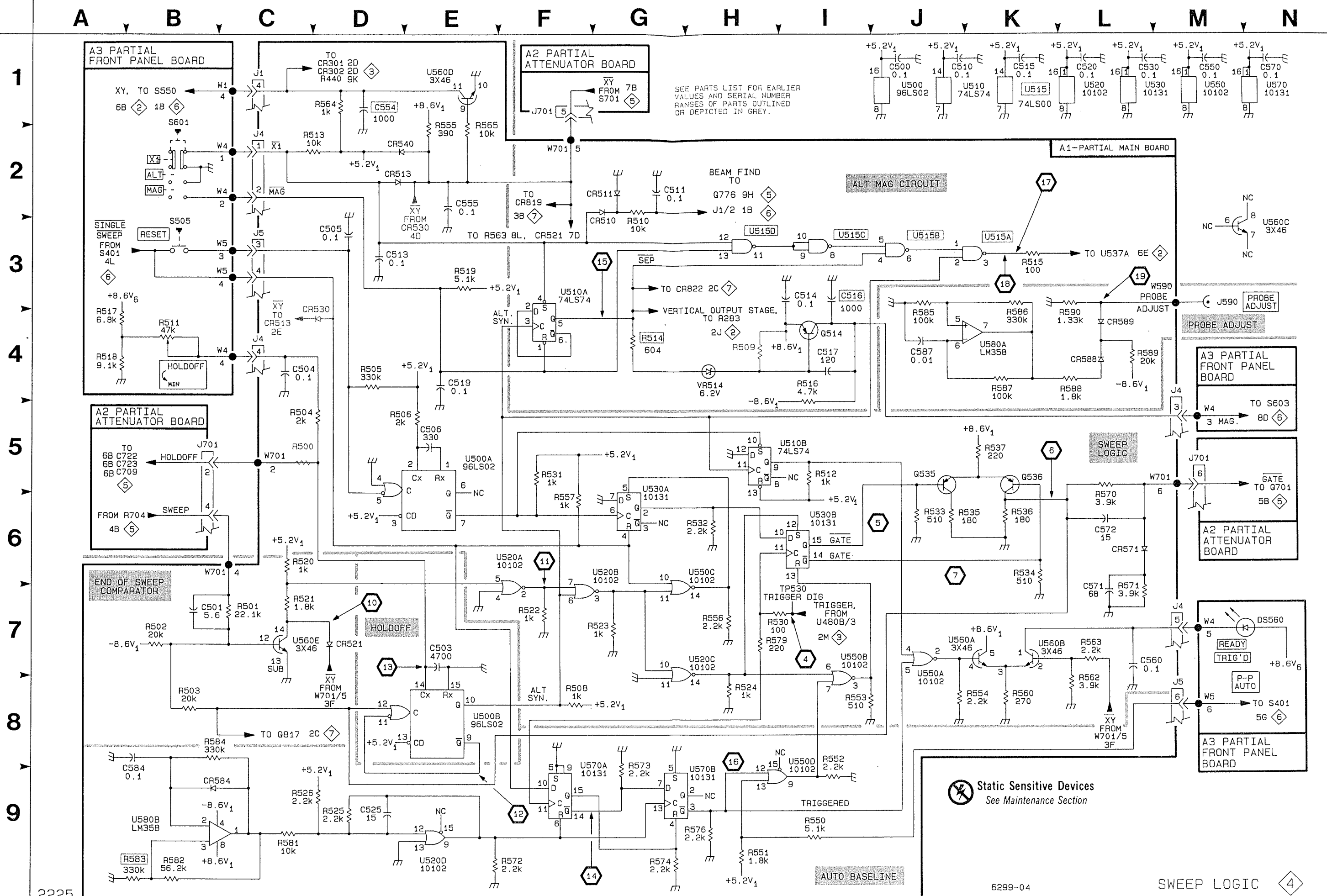
DC VOLTAGES		AC WAVEFORMS	
INTENSITY	midrange	VERTICAL MODE	CH2 OR Y
HORIZONTAL MODE	X1	CH2 VOLTS/DIV	1V
SEC/DIV	0.1mS	CH2 AC GND DC	DC
TRIGGER MODE	P-P AUTO	HORIZONTAL MODE	X1
		SEC/DIV	0.1mS
		MAG	X5
		TRIGGER LEVEL	midrange
		TRIGGER MODE	P-P AUTO
		SOURCE	CH2
		TRIGGER COUPLING	AC
		CH2 input signal	1 kHz sine wave 4V P-P



SWEEP LOGIC DIAGRAM 4

ASSEMBLY A1											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C500	1J	4F	J1-4	1C	6A	R531	5F	2F	TP530	7I	5F
C501	7B	4E	J4-1	2C	9A	R532	6H	3F			
C503	7E	4F	J4-2	2C	9A	R533	6J	3E	U500A	5E	3F
C504	4C	10B	J4-3	4M	9A	R534	6K	2E	U500B	8E	3F
C505	3D	3F	J4-4	4C	9A	R535	6K	3E	U510A	3F	2F
C506	5E	3F	J4-5	7M	9A	R536	6K	3D	U510B	5I	2F
C510	1J	3F	J5-3	3C	10A	R537	5K	3E	U515A	4L	2G
C511	2G	5F	J5-4	3C	10A	R550	9I	3D	U515B	3J	2G
C513	3D	5E	J5-6	8M	10A	R551	9H	3D	U515C	3I	2G
C514	3I	4G				R552	8I	2D	U515D	3H	2G
C515	1K	2F	Q514	4I	3G	R553	8I	2E	U520A	6F	3D
C516*	3I	5E	Q535	5J	3E	R554	8K	4E	U520B	6G	3D
C517	4I	3G	Q536	5K	3E	R555	1E	4E	U520C	7H	3D
C519	4E	3G				R556	7H	2E	U520D	9E	3D
C520	1L	4D	R500*	5C	5E	R557	6F	2F	U530A	5G	2E
C525	9D	3D	R501	7C	4E	R560	8K	3F	U530B	6I	2E
C530	1L	3E	R502	7B	4E	R562	8L	3F	U550A	7J	2D
C550	1M	3D	R503	8B	4E	R563	7L	4F	U550B	7I	2D
C554*	1D	3E	R504	5C	9B	R564	1D	6D	U550C	6H	2D
C555	2E	5E	R505	4D	3F	R565	2E	5E	U550D	8I	2D
C560	7L	5D	R506	5E	3F	R570	5L	4E	U560A	7K	3E
C570	1N	3D	R508	8F	3E	R571	6L	4E	U560B	7K	3E
C571	6L	5E	R509*	4H	2G	R572	9F	3D	U560D	1E	3E
C572	6L	5E	R510	3G	4F	R573	8G	3D	U560E	7C	3E
C584	8B	5D	R512	5I	2F	R574	9G	3D	U570A	8G	2D
C587	4J	4D	R513	2D	4F	R576	9H	3D	U570B	8H	2D
			R514*	4G	2F	R579	7H	2E	U580A	4K	4D
CR510	2G	4F	R515	3K	2G	R581	9C	4D	U580B	9B	4D
CR511	2G	4F	R516	4I	4G	R582	9B	4E			
CR513	2D	4F	R519	3E	3F	R583*	9B	4E			
CR521	7D	4E	R520	6C	3E	R584	8C	6D	VR514	4H	2G
CR530*	4D	3F	R521	7C	4E	R585	4J	4D			
CR540	2E	5F	R522	7F	3E	R586	4K	4D	W590	3M	10A
CR571	6L	5E	R523	7G	4E	R587	4K	4D	W701-2	5C	5E
CR584	9C	4D	R524	8H	2E	R588	4L	4D	W701-4	6C	5E
CR588	4L	4D	R525	9D	3D	R589	4L	4D	W701-5	2F	5E
CR589	4L	5D	R526	9C	3D	R590	4L	5D	W701-6	5M	5E
			R530	7I	3E						
Partial A1 also shown on diagrams 2, 3, 5, 6 and 7.											
ASSEMBLY A2											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
J701-2	5B	2A	J701-4	5B	2A	J701-5	1F	2A	J701-6	5M	2A
Partial A2 also shown on diagrams 1, 5 and 6.											
ASSEMBLY A3											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
DS560	7N	2F	S505	3B	2F	W4-2	2C	4E	W5-4	3C	4F
			S601	1B	2E	W4-3	5M	4E	W5-6	8M	4F
R511	4B	3G				W4-4	4C	4E			
R517	4A	2F	W1-4	1C	4A	W4-5	7M	4E			
R518	4A	2F	W4-1	2C	4E	W5-3	3C	4F			
Partial A3 also shown on diagrams 1, 2, 3, 6 and 7.											
CHASSIS MOUNTED PARTS											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
J590	3M	CHASSIS									

*See Parts List for
serial number ranges.



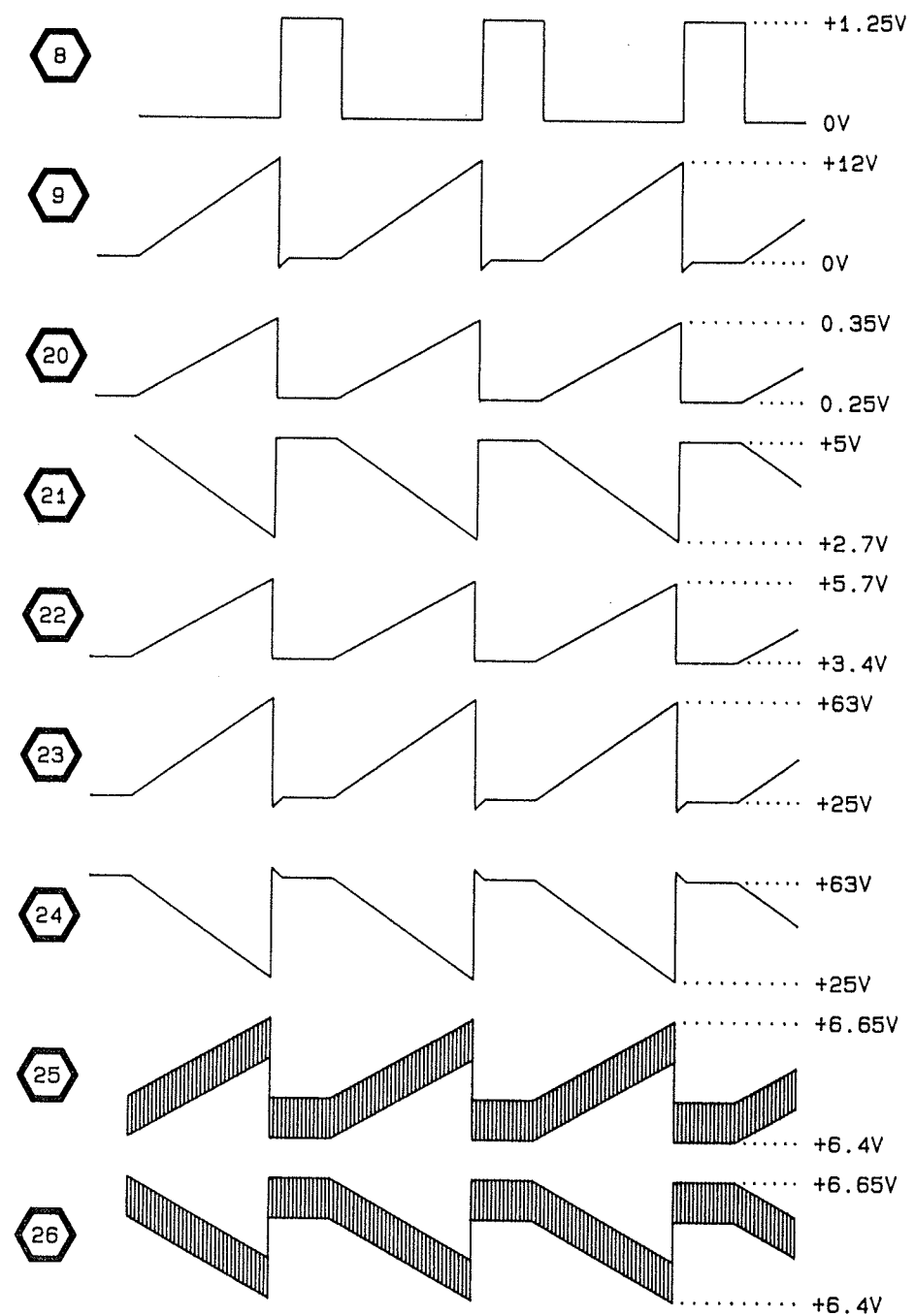
WAVEFORMS FOR DIAGRAM 5 2225 CONTROL SETTINGS

DC VOLTAGES

INTENSITY midrange
HORIZONTAL MODE X1
SEC/DIV 0.5ms
TRIGGER MODE P-P AUTO

AC WAVEFORMS

VERTICAL MODE CH1
AC-GND-DC (both) GND
HORIZONTAL MODE X1
HOLD OFF MIN (fully ccw)
TRIGGER MODE P-P AUTO
TRIGGER LEVEL midrange
SEC/DIV 0.5ms
HORIZONTAL POSITION midrange



XY AMPLIFIER & HORIZONTAL DIAGRAM 5

ASSEMBLY A1											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C776	7H	3I	CR791	7H	3I	R779	7K	4K	R796	9J	3I
C780	7I	3I				R780	6H	3I	R797	9J	4K
C782	7I	3J	Q770	6I	3J	R781	6I	3H	R798	8J	3K
C784*	6I	3J	Q775	7J	3J	R784	6I	3J	R799	8K	3K
C785	6J	3B	Q776	9H	3I	R785	6J	3J	R828	9I	3H
C789	6K	3K	Q779	6J	3J	R786	7J	3I			
C794	9I	4J	Q780	8I	4I	R787	6K	3K	VR776	7H	3I
C795	8J	3J	Q785	9J	3J	R788	6J	3K	VR792	8I	3J
C799	8K	3K	Q789	8J	3J	R789	7J	3K			
						R790	8H	4I	W755-1	8G	10G
CR776	9H	3H	R262	8H	3H	R791	7I	3I	W755-2	8G	10G
CR780	6H	4H	R764	8H	3I	R792	8I	4K	W755-3	6G	10G
CR781	7I	3I	R776	6H	3H	R794	8I	4J	W755-4	5G	10G
CR790	7H	4H	R778	7K	3K	R795	8J	4J			
Partial A1 also shown on diagrams 2, 3, 4, 6 and 7.											
ASSEMBLY A2											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C701	7B	2A	J7-5	2K	4D	R716	8E	5C	R758	2L	5A
C702	7B	2C	J701	7B	2A	R717	9F	5C	R759	3J	4A
C703	5C	1B	J755	2K	1A	R718	9F	5C	R760	4J	4A
C704	5C	1A				R719*	9G	5C	R761	3M	5A
C705	5E	1A	L712	1B	5E	R720	7F	5C	R762	3M	5A
C706	6D	1A	L713	1B	5E	R721	8F	4C	R763	4M	5C
C707	2C	5D				R722	8E	5D	R765	4M	5C
C708	5E	1A	Q701	5B	2B	R723	6F	5D	R766	4L	5C
C709	6B	2B	Q702	3C	4D	R730	2I	3A	R767	5M	5C
C710	3E	1A	Q704A	5D	2B	R731	2I	3A	R768	5M	5C
C712	1C	5E	Q704B	6D	2B	R732	2D	5D	R769	4M	5C
C713	1C	5D	Q706	5E	1B	R733	2E	3C	R770	6M	5B
C714	3G	4B	Q732	3D	3C	R734	2D	4D	R771	6M	5B
C715	8E	5C	Q736	3D	3D	R735	2E	4C	R772	6M	5B
C722	6B	2C	Q737	2F	3C	R736	1D	5D	R773	7L	4C
C723	6B	2B	Q747	4H	4A	R737	1E	3C	R774	7N	3A
C724	1F	3C	Q748	4J	4B	R738	2F	3C	R775*	4I	3B
C733	1E	3C	Q750	3I	4B	R739	2G	4C	R777	5M	5C
C746	2K	3C	Q759	3J	4A	R740	5E	3B	R782	3M	5B
C755	6L	5B	Q760	5K	4B	R741	4F	3B			
C767	5M	5C				R742	4F	3A	S701	9E	1C
C773	6L	5B	R701	6E	1B	R743	4F	3B			
C774	7L	4B	R702	7E	2B	R744	4G	3A	U715	9E	5C
			R703	5C	2A	R745	5F	3B	U745A	5F	4A
CR747	4H	3A	R704	4B	2A	R746	2J	3B	U745B	4G	4A
CR748	4J	3B	R705	5D	1A	R747	2H	3A	U745C	3L	4A
CR755	7M	5B	R706	3C	5D	R748	2J	3A	U745D	3N	4A
CR758	3L	5A	R707	3C	5D	R749	2I	3A	U745E	6L	4A
CR761	3M	5A	R708	3C	3D	R750	2J	3B	U755A	6N	5A
CR762	3M	5A	R709	3C	5D	R751	3H	3B	U755B	6N	5A
CR769	4M	4C	R710	3D	3D	R752	3I	3B	U755C	2L	5A
CR773	5L	5C	R711	3G	4B	R753*	3J	3B			
CR774	5N	5C	R712*	5H	3A	R754	4I	4A	W711	6D	2A
			R713*	5G	3B	R755	5H	4A			
J7-3	1G	4D	R714*	5G	3B	R756	5I	4B			
J7-4	2J	4D	R715	9E	5C	R757	2M	5A			
Partial A2 also shown on diagrams 1, 4 and 6.											

*See Parts List for
serial number ranges.

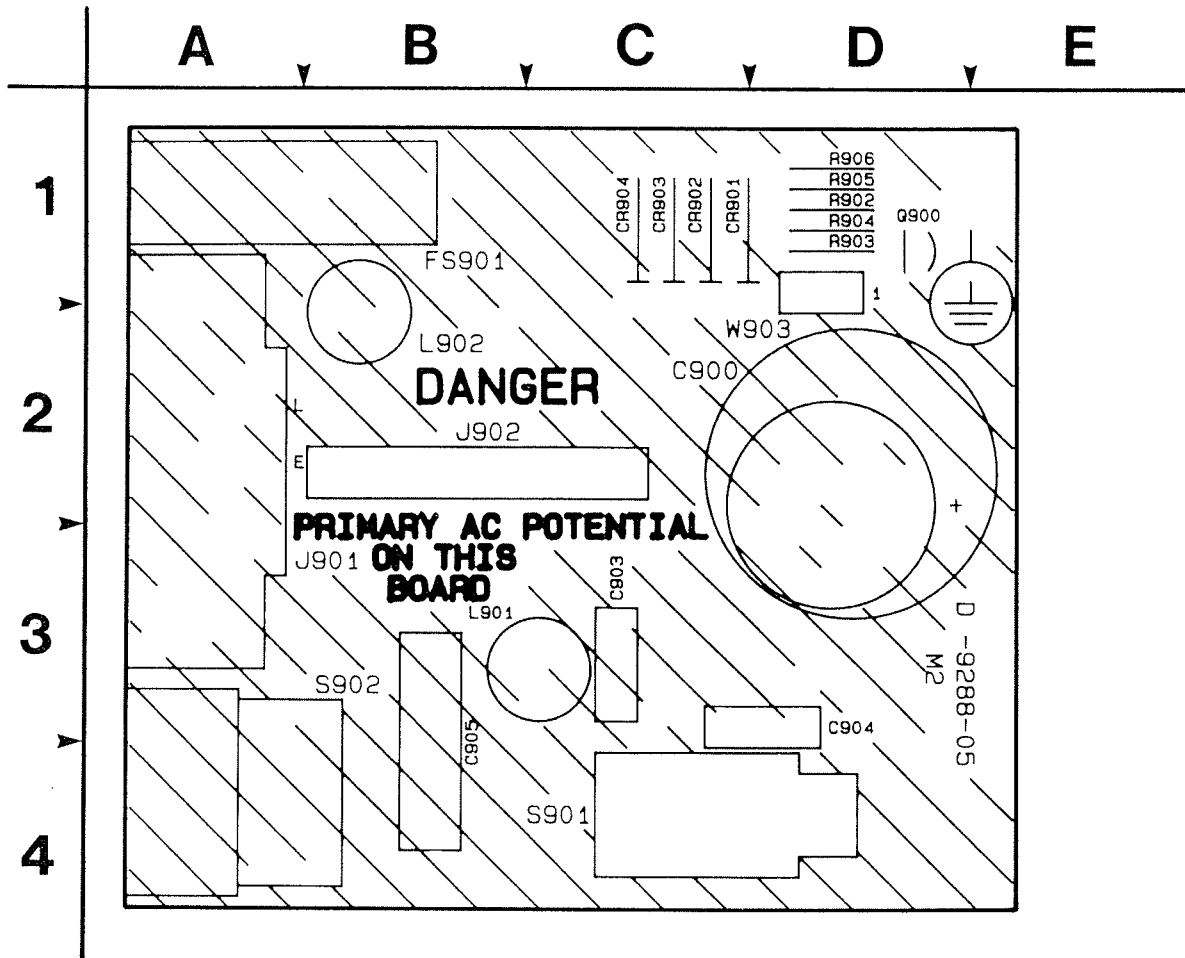


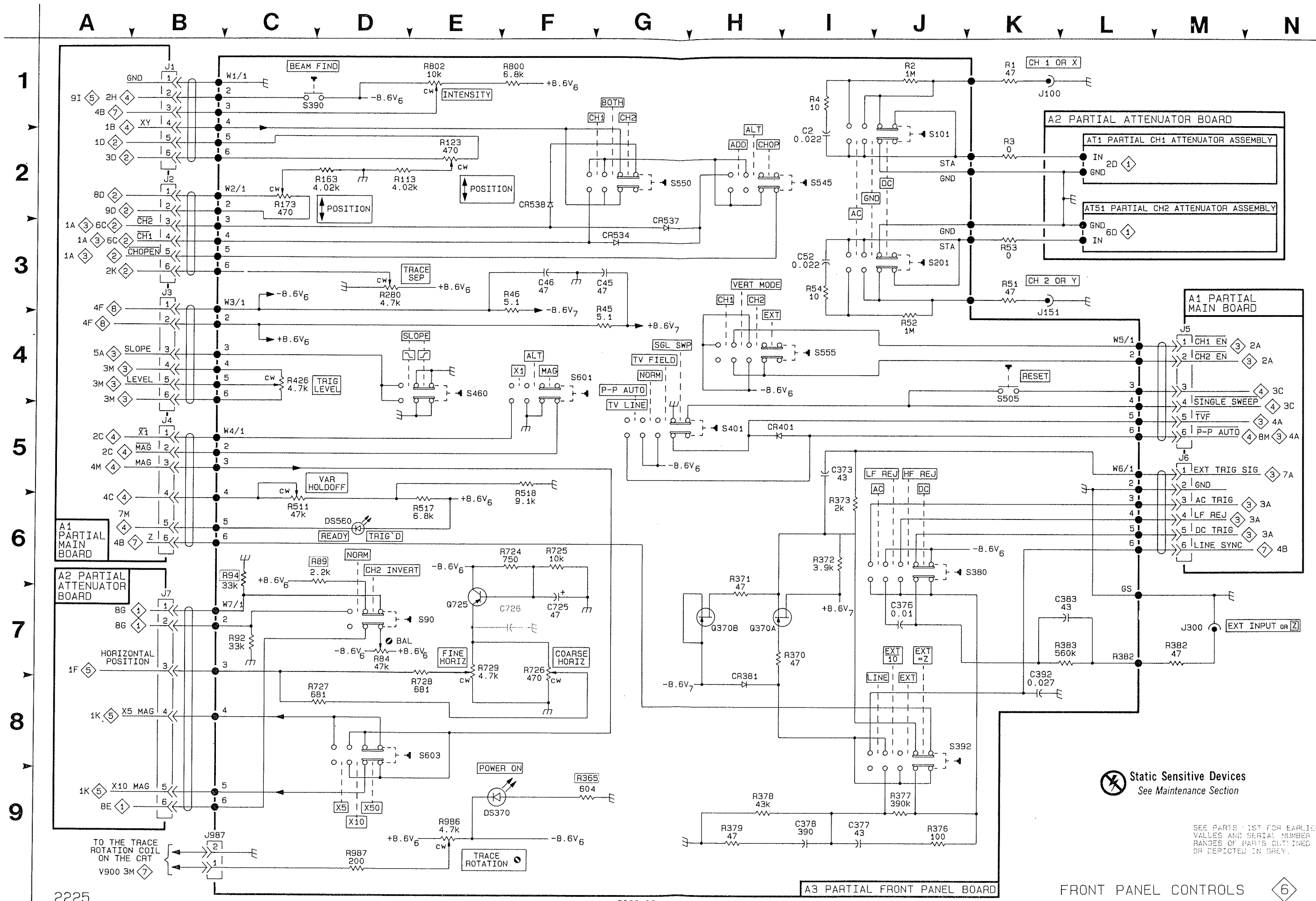
Figure 9-9. A4—Mains Input board.

A4—MAINS INPUT BOARD							
CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER	CIRCUIT NUMBER	SCHEM NUMBER
C900	7	CR904	7	L902	7	R906	7
C903	7						
C904	7	F901	7	Q900	7	S901	7
C905	7					S902	7
		J901	7	R902	7		
CR901	7	J902	7	R903	7	W903	7
CR902	7			R904	7		
CR903	7	L901	7	R905	7		

FRONT PANEL DIAGRAM 6

ASSEMBLY A1											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
J1 J2	1B 2B	6A 6A	J3 J4	3B 5B	9A 9A	J5 J6	4M 5M	10A 10A			
Partial A1 also shown on diagrams 2, 3, 4, 5 and 7.											
ASSEMBLY A2											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
AT1 AT51	2L 2L	1F 1D	J7	7B	4D	R3 R53	2K 3K	1F 1D			
Partial A2 also shown on diagrams 1, 4 and 5.											
ASSEMBLY A3											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C2 C45 C46 C52 C373 C376 C377 C378 C383 C392 C725 C726*	2I 3G 3F 3I 5I 7J 9I 9I 7L 7K 7F 7F	4C 3E 3E 4C 3F 4G 2E 2F 4E 2G 2D 1E	Q370A Q370B Q725 R1 R2 R4 R45 R46 R51 R52 R84 R89 R92 R94*	7H 7H 7E 1K 1J 1I 3G 3F 3K 4J 7D 6D 7C 6C	3E 3E 1D 4B 4B 4B 2E 3E 4D 4D 3C 2C 2C 1B 1B 1D 1C 3A 3E 2E 2E	R373 R376 R377 R378 R379 R382 R383 R426 R511 R517 R518 R724 R725 R726 R727 R728 R729 R800 R802 R986 R987 S90	6I 9J 9J 9H 9H 7L 4F 4C 6C 6E 5F 6F 6F 7F 8D 8E 7E 1F 1E 9E 9D 7E	3E 3F 3F 2E 2E 4E 4F 1F 3G 2F 2F 2D 2D 1E 2D 2E 1E 2A 1A 3A 2A 2C	S101 S201 S380 S390 S392 S401 S460 S505 S545 S550 S555 S601 S603 W1 W2 W3 W4 W5 W6 W7	2J 3J 6K 1C 8J 5H 4E 4K 2I 2G 4I 4F 8E 1C 2C 3C 5C 4L 5L 7C	4B 4D 3G 2A 3F 2G 1F 2F 2D 2B 3F 2E 4E 4A 2A 4D 4E 4F 4F 3D
Partial A3 also shown on diagrams 1, 2, 3, 4 and 7.											
CHASSIS MOUNTED PARTS											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
J100 J151	1K 3K	CHASSIS CHASSIS	J300	7M	CHASSIS	R1 R3	1K 2K	CHASSIS CHASSIS	R51 R53	3K 3K	CHASSIS CHASSIS

*See Parts List for
serial number ranges.

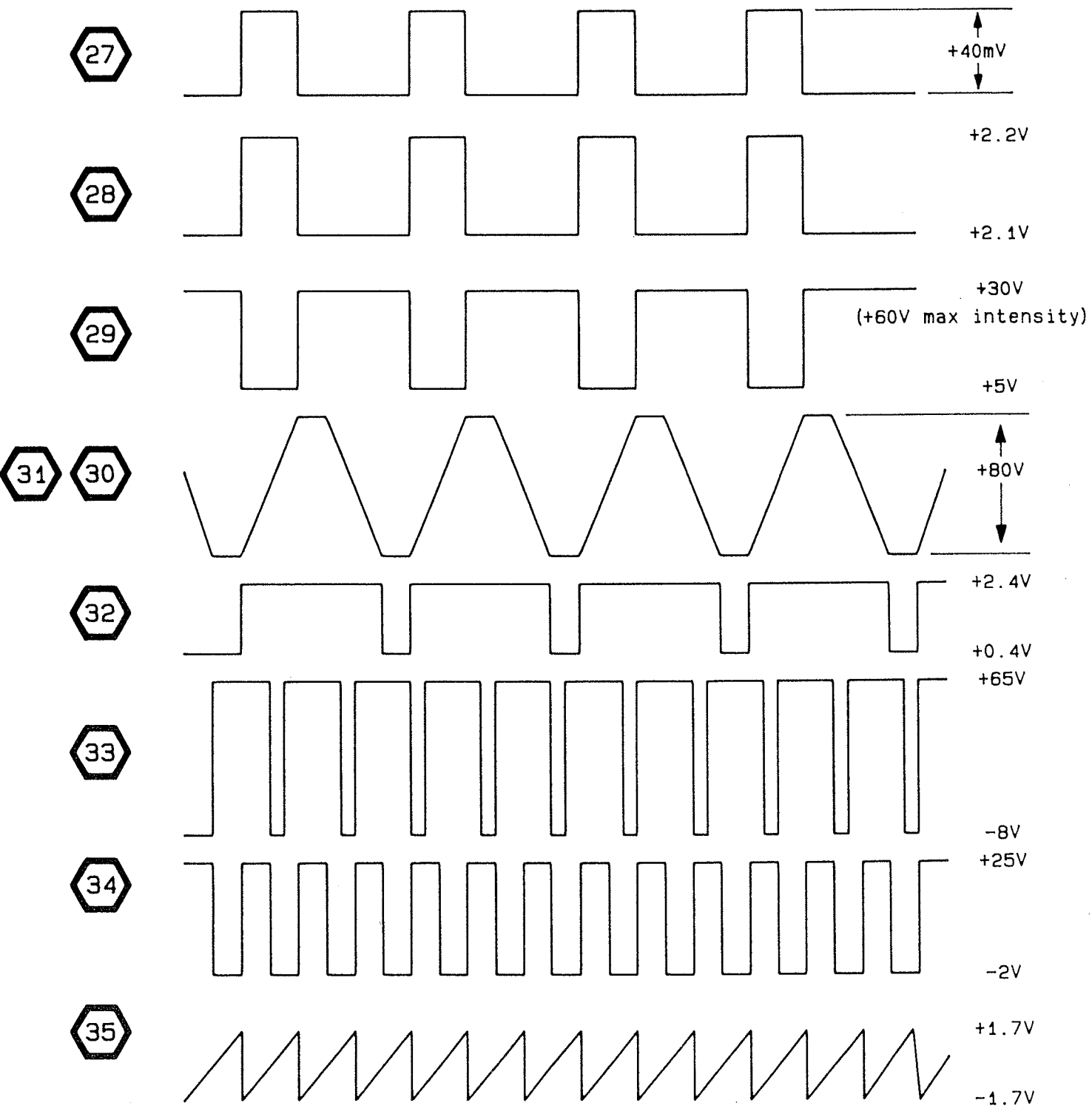


Static Sensitive Devices
See Maintenance Section

SEE PARTS LIST FOR EARLIER
VALUES AND SERIAL NUMBER
RANGES OF PARTS OUTLINED
OR DEPICTED IN GREY.

FRONT PANEL CONTROLS

WAVEFORMS FOR DIAGRAM 7



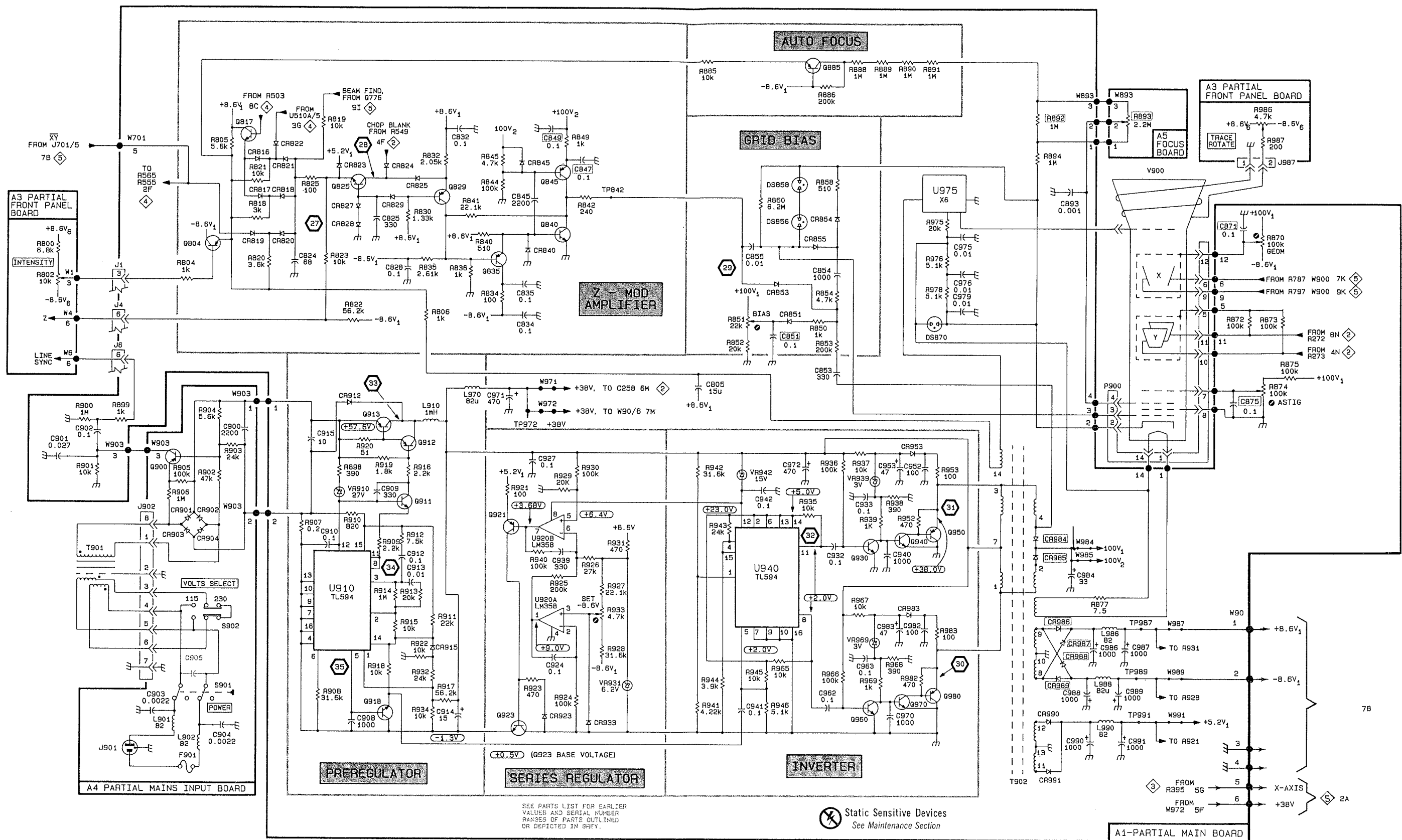
POWER SUPPLY, Z AXIS, & CRT DIAGRAM 7 (CONT)

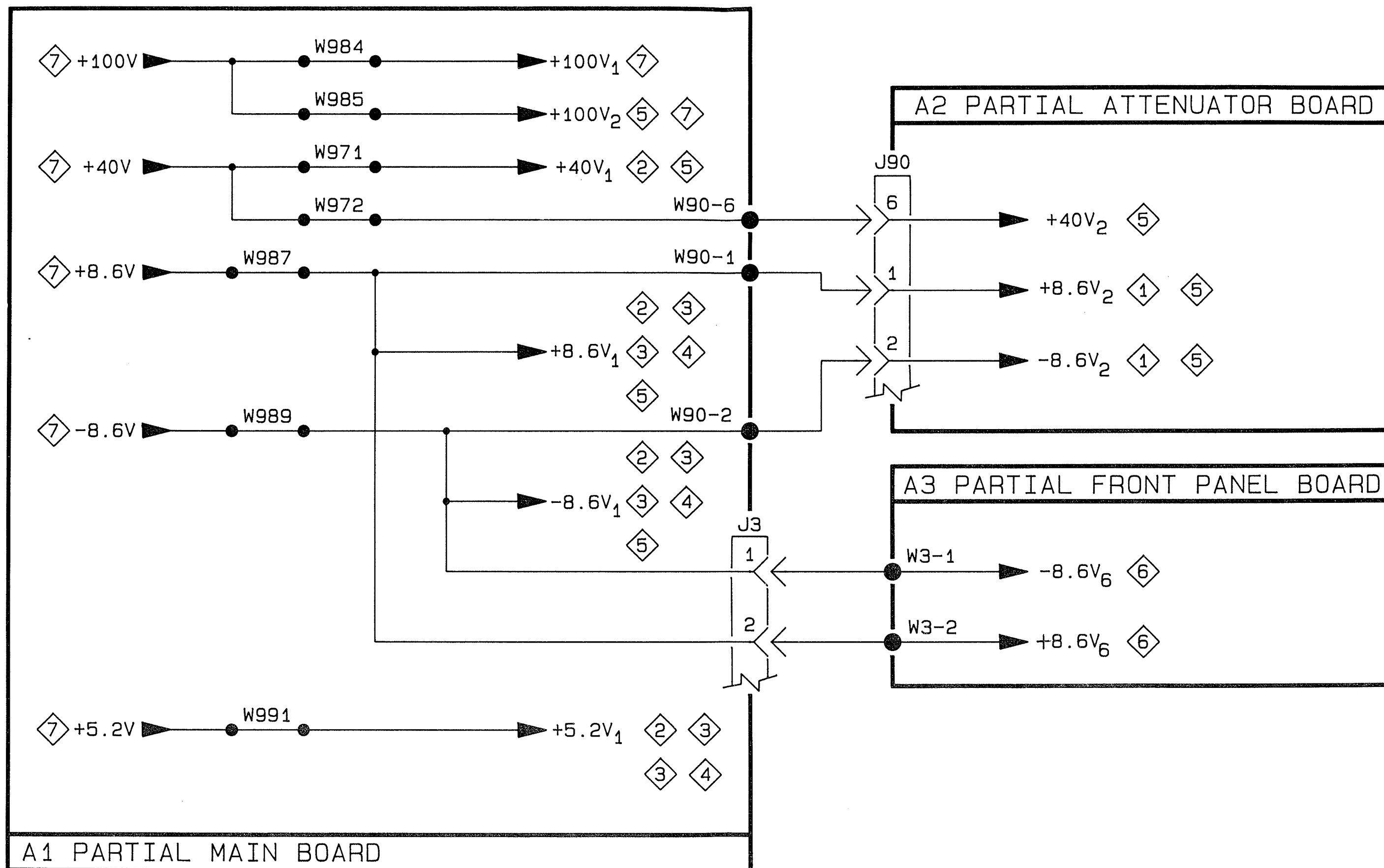
ASSEMBLY A3											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
J987	2M	2A	R802	4A	1A	W1-3	4A	4A			
R800	3A	2A	R986	2M	3A	W4-6	4A	4E			
			R987	2M	2A	W6-6	5A	4F			
Partial A3 also shown on diagrams 1, 2, 3, 4 and 6.											
ASSEMBLY A4											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
C900	5C	2D	CR904	6C	1C	L902	8B	2B	R906	6B	1D
C903	8B	3C									
C904	8C	3D	F901	9B	1B	Q900	5C	1D	S901	8C	4C
C905*	8B	4B							S902	7C	4A
			J901	8B	2A	R902	6C	1D	W903-1	5C	1D
CR901	6B	1D	J902	6B	2B	R903	5C	1D	W903-2	6C	1D
CR902	6C	1C				R904	5C	1D	W903-3	5B	1D
CR903	6B	1C	L901	8B	3C	R905	6B	1D			
ASSEMBLY A5											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
R893*	2L	1A									
CHASSIS MOUNTED PARTS											
CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION	CIRCUIT NUMBER	SCHEM LOCATION	BOARD LOCATION
T901	6B	CHASSIS	V900	3L	CHASSIS						

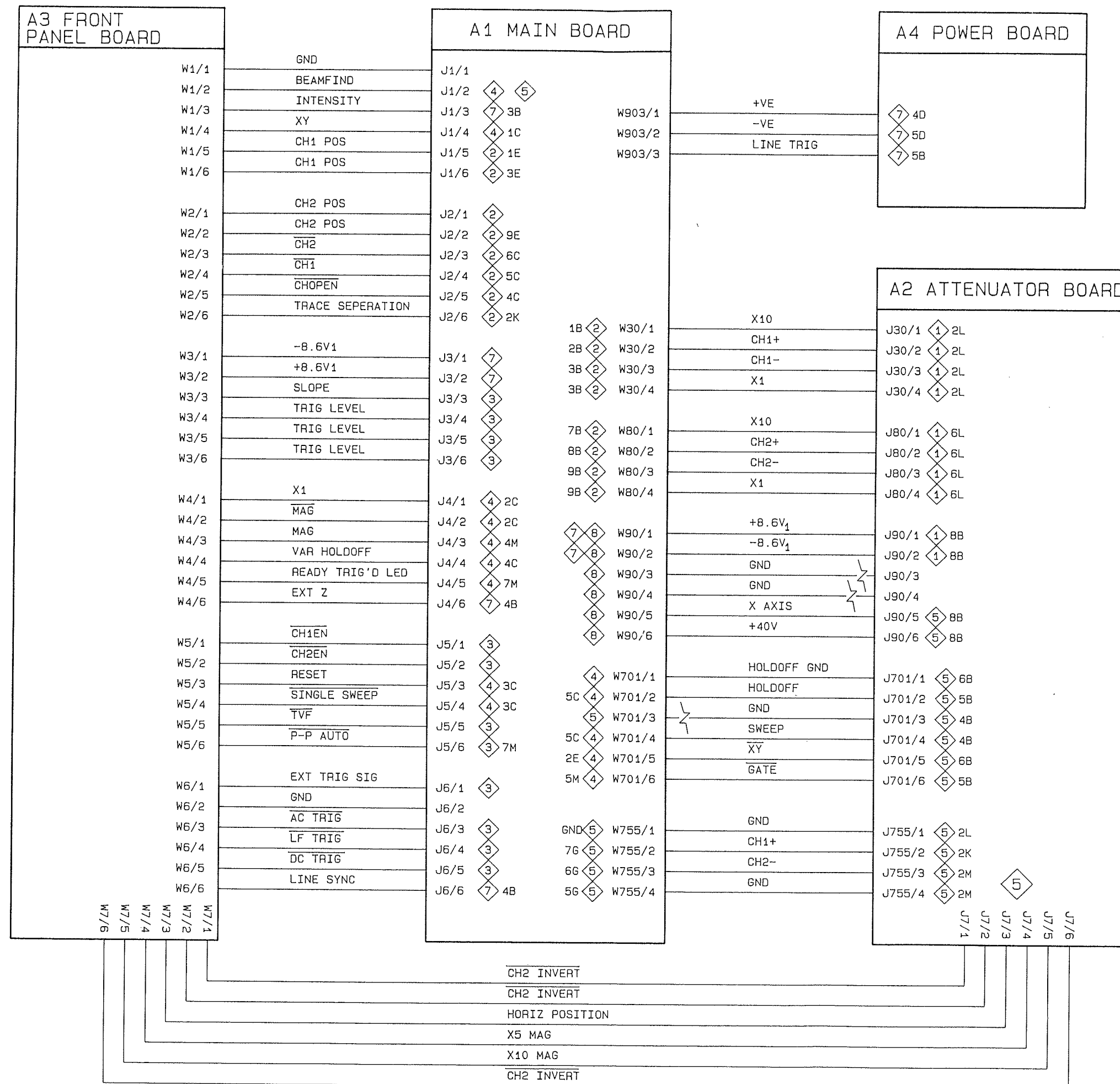
*See Parts List for
serial number ranges.

A B C D E F G H I J K L M N

1
2
3
4
5
6
7
8
9







2225

6299-09

CIRCUIT BOARD INTERCONNECTIONS

9

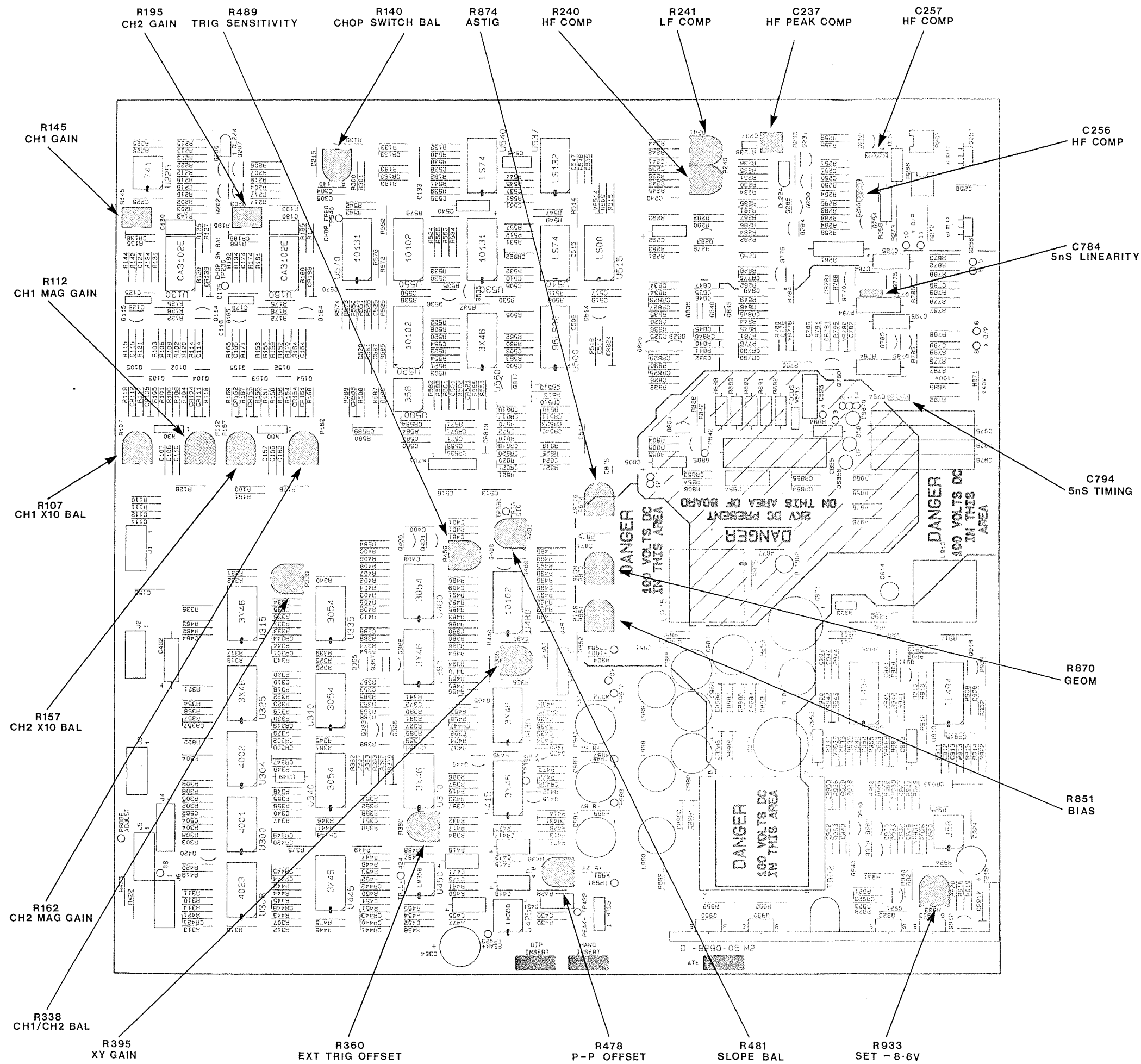


Figure 9-11. A1—Main board adjustment locations.

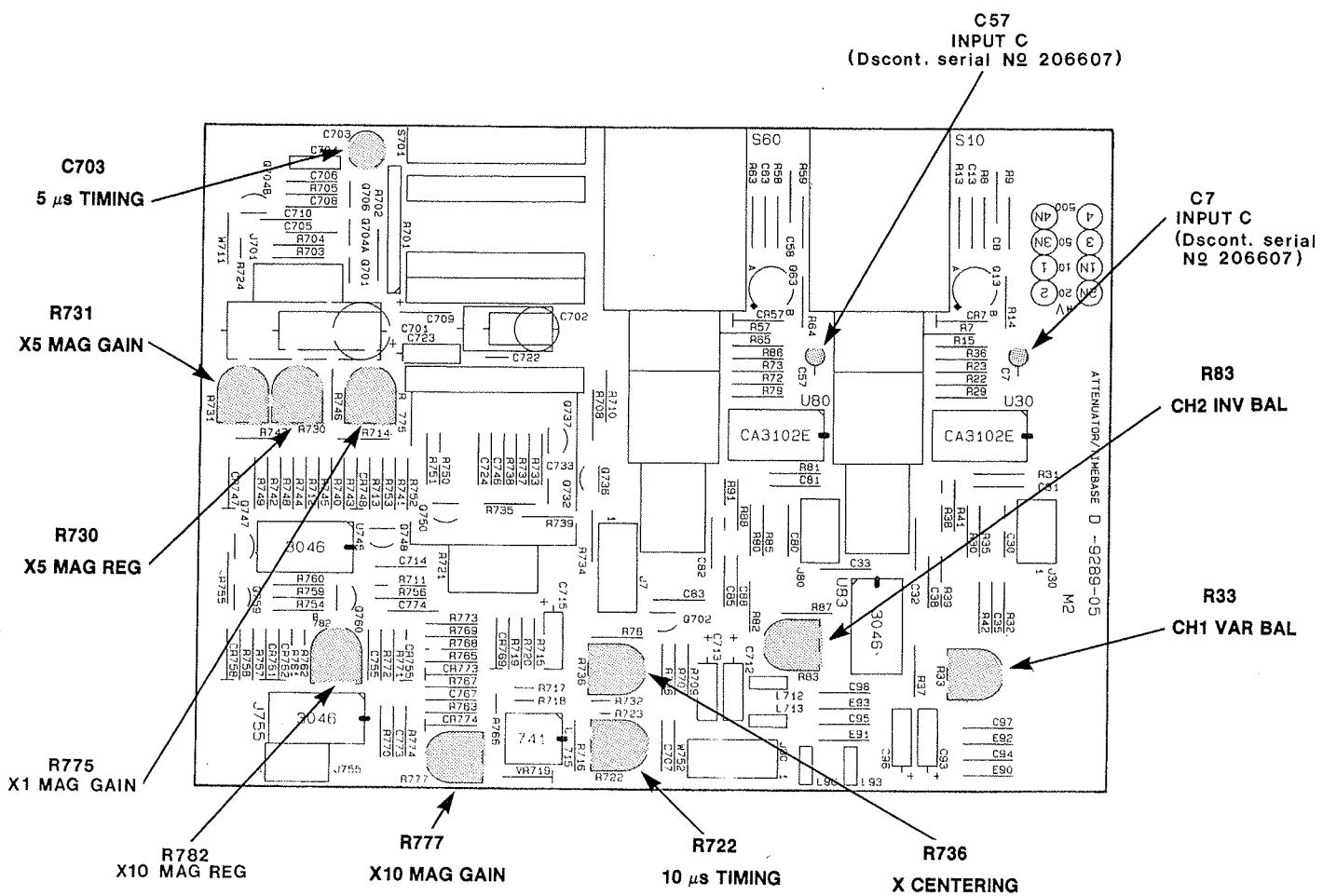


Figure 9-12. A2—Attenuator/time base adjustment locations.

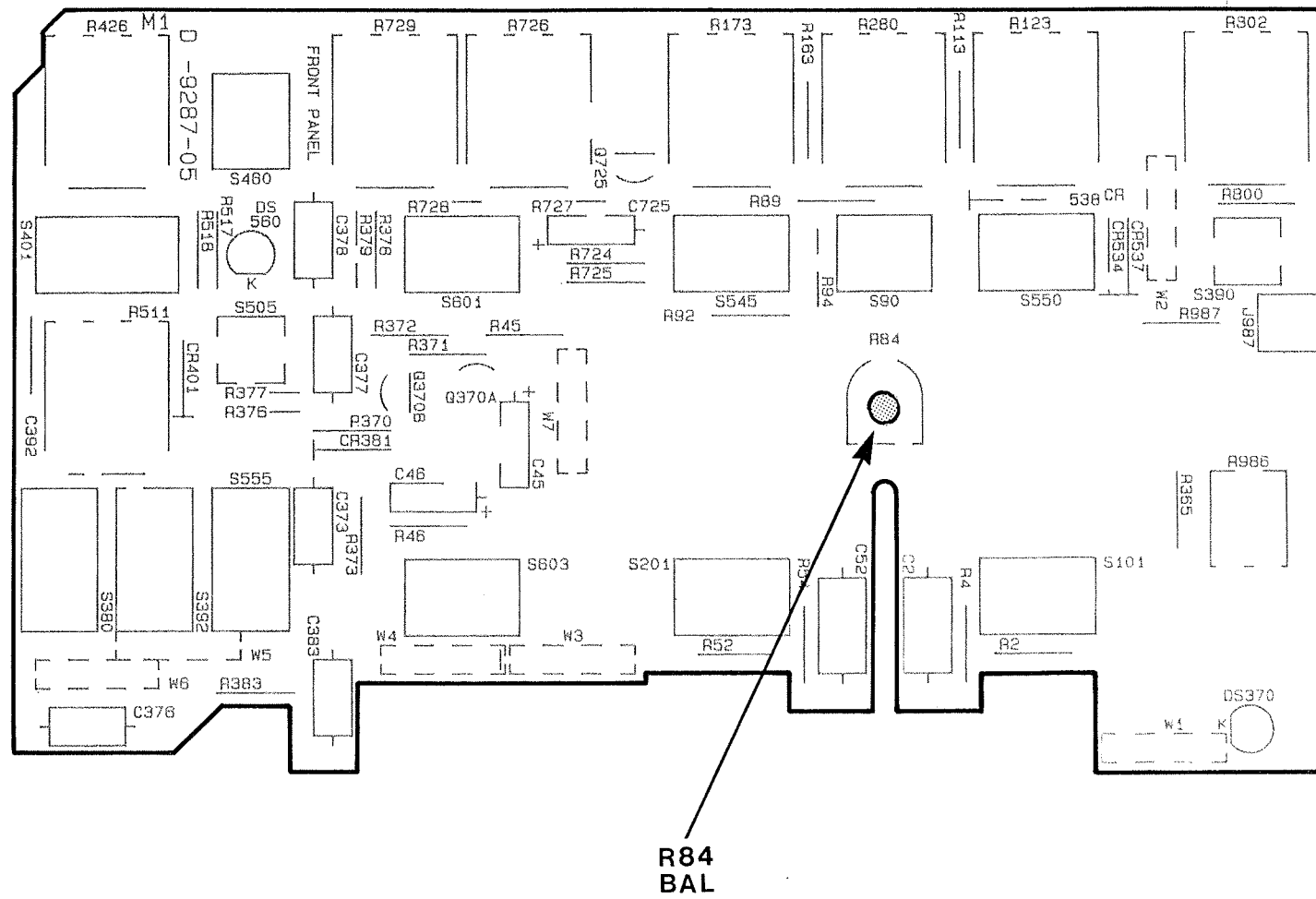


Figure 9-13. A3—Front Panel board adjustment locations.

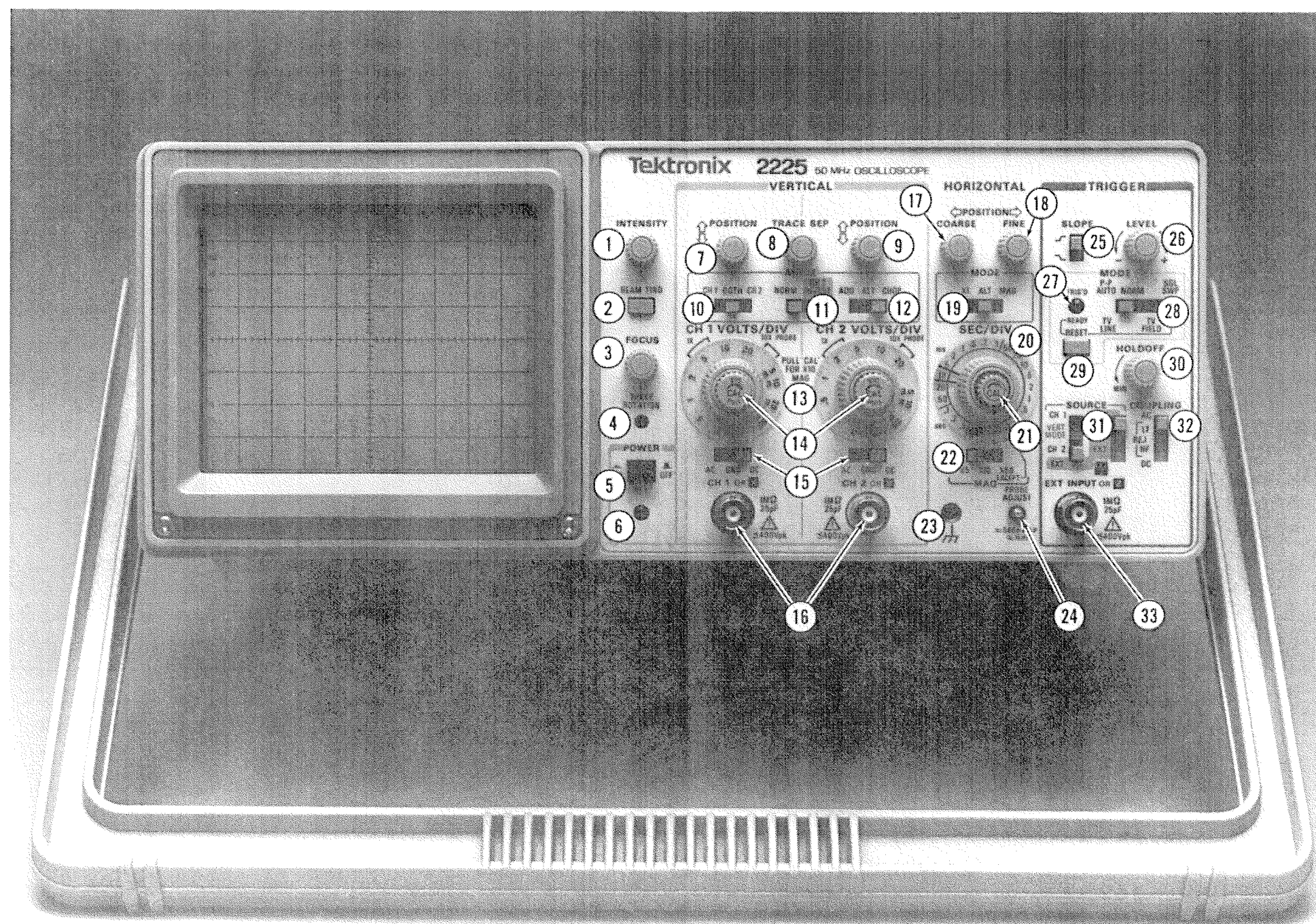


Figure 9-14. 2225 Front panel controls, connectors, and indicators.

REPLACEABLE
MECHANICAL PARTS

PARTS ORDERING INFORMATION

Replacement parts are available from or through your local Tektronix, Inc. Field Office or representative.

Changes to Tektronix instruments are sometimes made to accommodate improved components as they become available, and to give you the benefit of the latest circuit improvements developed in our engineering department. It is therefore important, when ordering parts, to include the following information in your order: Part number, instrument type or number, serial number, and modification number if applicable.

If a part you have ordered has been replaced with a new or improved part, your local Tektronix, Inc. Field Office or representative will contact you concerning any change in part number.

Change information, if any, is located at the rear of this manual.

ITEM NAME

In the Parts List, an Item Name is separated from the description by a colon (:). Because of space limitations, an Item Name may sometimes appear as incomplete. For further Item Name identification, the U.S. Federal Cataloging Handbook H6-1 can be utilized where possible.

FIGURE AND INDEX NUMBERS

Items in this section are referenced by figure and index numbers to the illustrations.

INDENTATION SYSTEM

This mechanical parts list is indented to indicate item relationships. Following is an example of the indentation system used in the description column.

1 2 3 4 5 Name & Description

Assembly and/or Component

Attaching parts for Assembly and/or Component

 **** END ATTACHING PARTS ****

Detail Part of Assembly and/or Component

Attaching parts for Detail Part

 **** END ATTACHING PARTS ****

Parts of Detail Part

Attaching parts for Parts of Detail Part

 **** END ATTACHING PARTS ****

Attaching Parts always appear in the same indentation as the item it mounts, while the detail parts are indented to the right. Indented items are part of, and included with, the next higher indentation.

Attaching parts must be purchased separately, unless otherwise specified.

ABBREVIATIONS

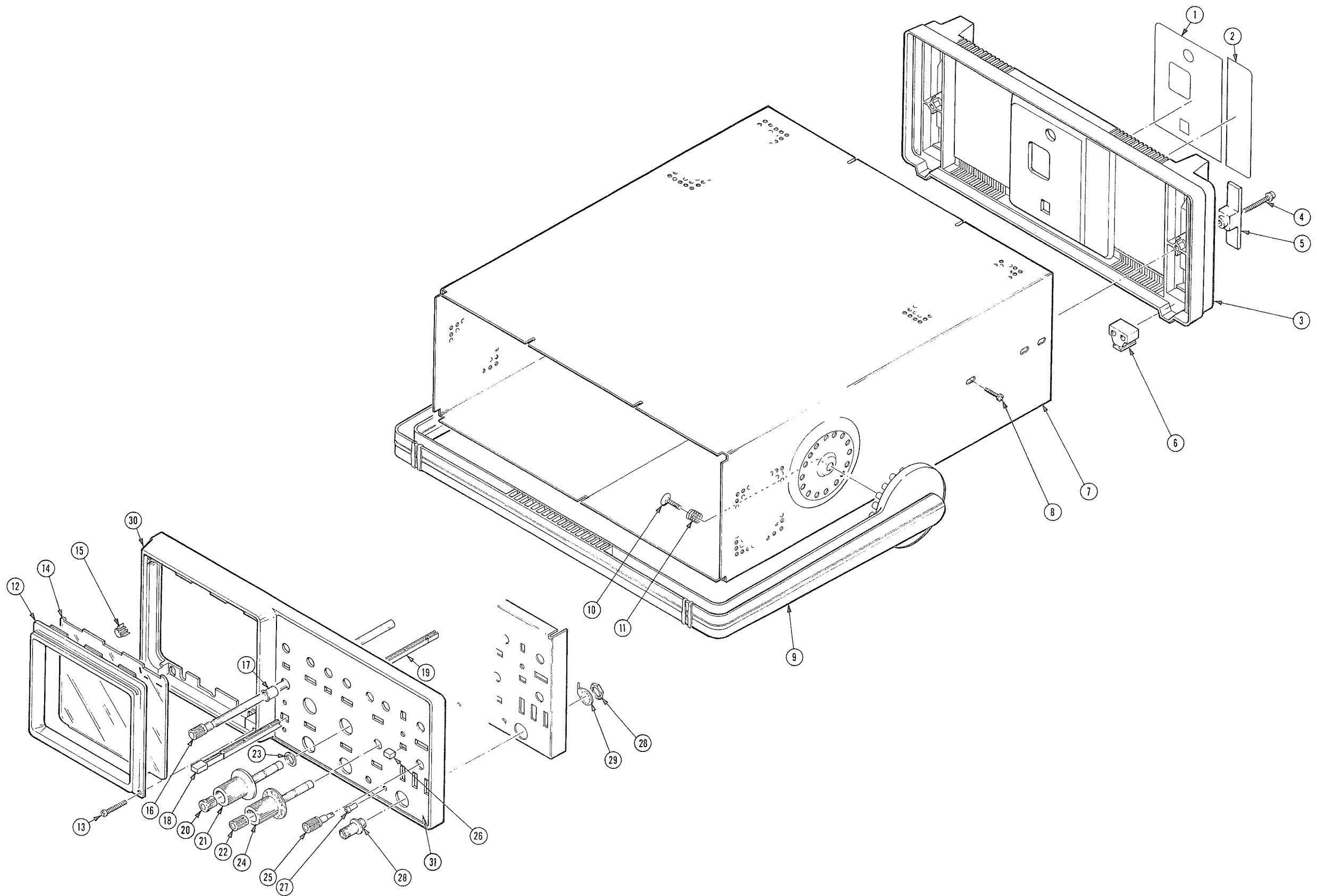
..	INCH	ELCTRN	ELECTRON	IN	INCH	SE	SINGLE END
#	NUMBER SIZE	ELEC	ELECTRICAL	INCAND	INCANDESCENT	SECT	SECTION
ACTR	ACTUATOR	ELCTLT	ELECTROLYTIC	INSUL	INSULATOR	SEMICON	SEMICONDUCTOR
ADPTR	ADAPTER	ELEM	ELEMENT	INTL	INTERNAL	SHLD	SHIELD
ALIGN	ALIGNMENT	EPL	ELECTRICAL PARTS LIST	LPHLDR	LAMPHOLDER	SHLDR	SHOULDERED
AL	ALUMINUM	EQPT	EQUIPMENT	MACH	MACHINE	SKT	SOCKET
ASSEM	ASSEMBLED	EXT	EXTERNAL	MECH	MECHANICAL	SL	SLIDE
ASSY	ASSEMBLY	FIL	FILLISTER HEAD	MTG	MOUNTING	SLFLKG	SELF-LOCKING
ATTEN	ATTENUATOR	FLEX	FLEXIBLE	NIP	NIPPLE	SLVG	SLEEVEING
AWG	AMERICAN WIRE GAGE	FLH	FLAT HEAD	NON WIRE	NOT WIRE WOUND	SPR	SPRING
BD	BOARD	FLTR	FILTER	OBD	ORDER BY DESCRIPTION	SQ	SQUARE
BRKT	BRACKET	FR	FRAME or FRONT	OD	OUTSIDE DIAMETER	SST	STAINLESS STEEL
BRS	BRASS	FSTNR	FASTENER	OVH	OVAL HEAD	STL	STEEL
BRZ	BRONZE	FT	FOOT	PH BRZ	PHOSPHOR BRONZE	SW	SWITCH
BSHG	BUSHING	FXD	FIXED	PL	PLAIN or PLATE	T	TUBE
CAB	CABINET	GSKT	GASKET	PLSTC	PLASTIC	TERM	TERMINAL
CAP	CAPACITOR	HDL	HANDLE	PN	PART NUMBER	THD	THREAD
CER	CERAMIC	HEX	HEXAGON	PNH	PAN HEAD	THK	THICK
CHAS	CHASSIS	HEX HD	HEXAGONAL HEAD	PWR	POWER	TNSN	TENSION
CKT	CIRCUIT	HEX SOC	HEXAGONAL SOCKET	RCPT	RECEPTACLE	TPG	TAPPING
COMP	COMPOSITION	HLCPS	HELICAL COMPRESSION	RES	RESISTOR	TRH	TRUSS HEAD
CONN	CONNECTOR	HLEXT	HELICAL EXTENSION	RGD	RIGID	V	VOLTAGE
COV	COVER	HV	HIGH VOLTAGE	RLF	RELIEF	VAR	VARIABLE
CPLG	COUPLING	IC	INTEGRATED CIRCUIT	RTNR	RETAINER	W/	WITH
CRT	CATHODE RAY TUBE	ID	INSIDE DIAMETER	SCH	SOCKET HEAD	WSHR	WASHER
DEG	DEGREE	IDENT	IDENTIFICATION	SCOPE	OSCILLOSCOPE	XFMR	TRANSFORMER
DWR	DRAWER	IMPLR	IMPELLER	SCR	SCREW	XSTR	TRANSISTOR

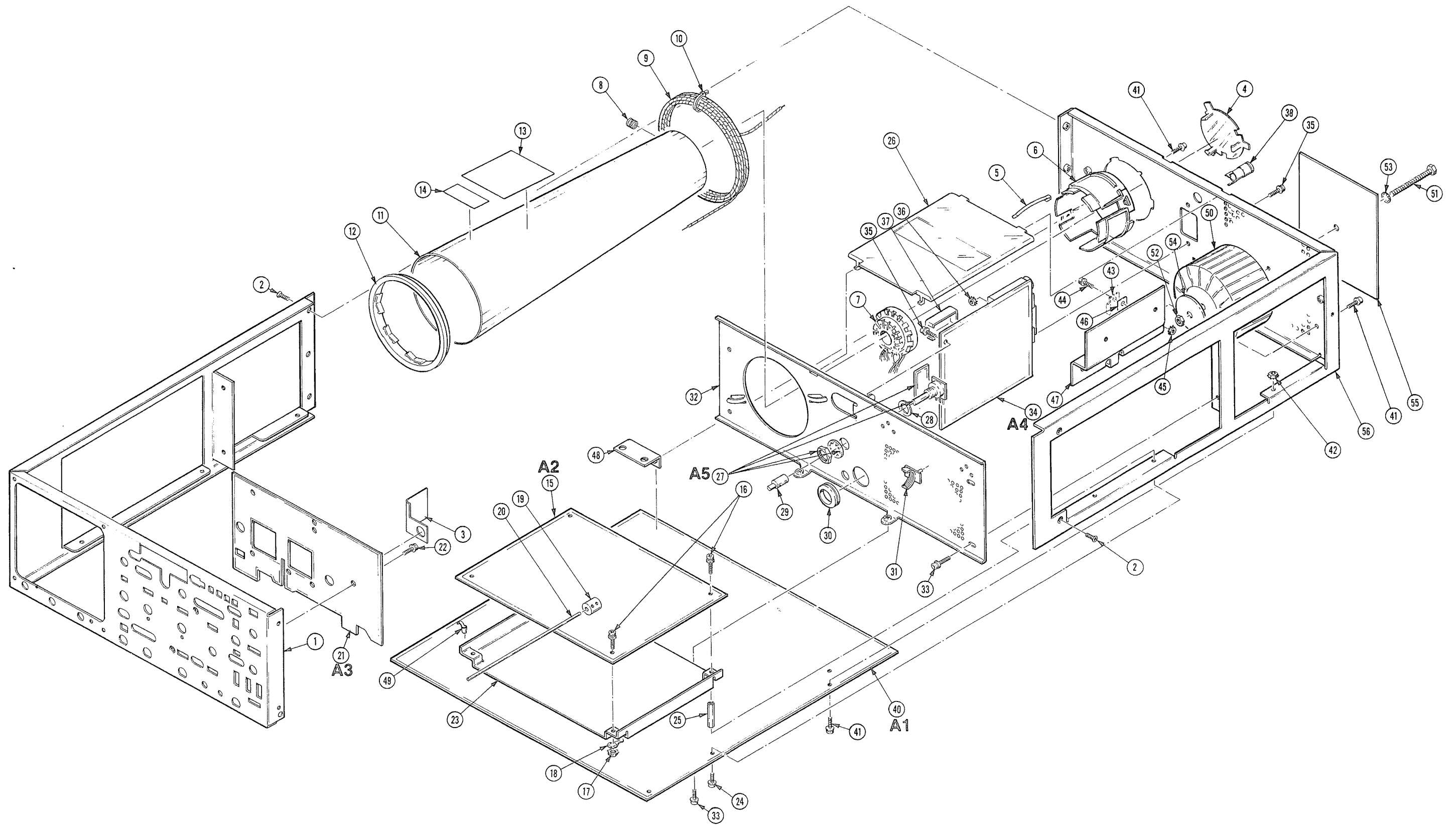
CROSS INDEX - MFR. CODE NUMBER TO MANUFACTURER

Mfr. Code	Manufacturer	Address	City, State, Zip Code
01536	TEXTRON INC CAMCAR DIV SEMS PRODUCTS UNIT	1818 CHRISTINA ST	ROCKFORD IL 61108
06383	PANDUIT CORP	17301 RIDGELAND	TINLEY PARK IL 60477
06915	RICHCO PLASTIC CO	5825 N TRIPP AVE	CHICAGO IL 60646
07416	NELSON NAME PLATE CO	3191 CASITAS	LOS ANGELES CA 90039
12327	FREEWAY CORP	9301 ALLEN DR	CLEVELAND OH 44125
13511	AMPHENOL CADRE DIV BUNKER RAMO CORP		LOS GATOS CA
16428	BELDEN CORP ELECTRONIC DIV	2200 US HWY 27 SOUTH P O BOX 1980	RICHMOND IN 47374
22670	G M NAMEPLATE INC	2040 15TH AVE WEST	SEATTLE WA 98119
70903	BELDEN CORP	2000 S BATAVIA AVE	GENEVA IL 60134
78189	ILLINOIS TOOL WORKS INC SHAKEPROOF DIVISION	ST CHARLES ROAD	ELGIN IL 60120
80009	TEKTRONIX INC	4900 S W GRIFFITH DR P O BOX 500	BEAVERTON OR 97077
83385	MICRODOT MANUFACTURING INC GREER-CENTRAL DIV	3221 W BIG BEAVER RD	TROY MI 48098
83486	ELCO INDUSTRIES INC	1101 SAMUELSON RD	ROCKFORD IL 61101
86113	MICRODOT MFG INC CENTRAL SCREW- KEENE DIV	149 EMERALD ST	KEENE NH 03431
86928	SEASTROM MFG CO INC	701 SONORA AVE	GLENDALE CA 91201
93907	TEXTRON INC CAMCAR DIV	600 18TH AVE	ROCKFORD IL 61101
K2504	RS COMPONENTS LTD	PO BOX 99	CORBY NORTHANTS NN17 9RS ENGLAND
S3109	FELLER ASA ADOLF AG C/O PANEL COMPONENTS CORP	355 TESCONI CIRCLE	SANTA ROSA CA 95401
S3629	SCHURTER AG H C/O PANEL COMPONENTS CORP	2015 SECOND STREET	BERKELEY CA 94170
TK0174	BADGLEY MFG CO	1620 NE ARGYLE	PORTLAND OR 97211
TK0861	H SCHURTER AG DIST PANEL COMPONENTS	2015 SECOND STREET	BERKELEY CA 94170
TKODA	MET-ETCH (SELKIRK) LTD		SELKIRK, SCOTLAND TD75DK
TKOEB	B.D. TOOLS	237 BULLSMOOR LAND ENFIELD	MIDDX ENGLAND
TKOEC	CARON ENG. SERVICE	10-11 STATION CLOSE POTTERS BAR	HERTS ENGLAND
TKOEH	HARLOW SPRINGS 1 + 2 ROYDONBURY IND. EST. THE PINNACLES	HARLOW	ESSEX ENGLAND
TKOEI	HIBBERTS & RICHARDS UNIT A	LANCASTER ROAD NEW BARNET	HERTS ENGLAND
TKOEJ	IMP WORKS	ESSEX ROAD HODDESDON	HERTS ENGLAND
TKOEL	MOLBRY LTD	HOLLAND WAY BLANDFORD	DORSET ENGLAND
TKOEO	PLANET JIG & TOOL	BAKER STREET HIGH WYCOMBE	BUCKS ENGLAND
TKOEP	PRINTLINE ORMOND HOUSE	5-6 HARDWICK STREET	LONDON ENGLAND
TKOER	REEVITE IND. MOULDINGS	16 MURDOCK ROAD BICESTER	OXFORDSHIRE ENGLAND
TKOES	SMALL POWER MACHINE CO INDUSTRIAL ESTATE	BATH ROAD CHIPPENHAM	WILTSHIRE ENGLAND
TKOET	WARTH INTERNATIONAL CHARLWOODS BUSINESS CENTER	CHARLWOODS ROAD	EAST GRINDSTEAD ENGLAND
TKOEX	LUCAS DURALITH LTD STATION APPROACH	VICTORIA ROCHE	CORNWALL PL28 8JU ENGLAND
TK1326	NORTHWEST FOURSIDE INC	5858 WILLOW LANE	LAKE OSWEGO OR 97034
TK1336	PARSONS MFG CORP	1055 OBRIEN	MENLO PARK CA 94025
TK1373	PATELEC-CEM (ITALY)	10156 TORINO	VAICENTALLO 62/45S ITALY
TK1694	ROSE CITY LABEL CO	7235 SE LABEL LN	PORTLAND OR 97213
TK1723	MAGNETIC SHIELDS LTD	HEADCORD ROAD STAPLEHURST, TONBRIDGE	KENT TN 12 ODS ENGLAND
TK2165	TRI-QUEST CORP	3000 LEWIS AND CLARK HWY	VANCOUVER WA 98661-2999

Replaceable Mechanical Parts - 2225 Service

Fig. & Index No.	Tektronix Part No.	Serial/Assembly No. Effective Dscont	Qty	12345 Name & Description	Mfr. Code	Mfr. Part No.
1-1	334-6879-00	200360	1	MARKER,IDENT:MARKED VOLTAGE/FUSE SELECT	TKODA	ORDER BY DESCR
-2	334-6880-00		1	MARKER,IDENT:MARKED CAUTION (UNITED KINGDOM ONLY)	TKODA	ORDER BY DESCR
	334-7055-00		1	MARKER,IDENT:MKD CAUTION (U.S.A. ONLY)	07416	ORDER BY DESCR
-3	200-3335-00		1	COVER,REAR:PLASTIC (ATTACHING PARTS)	TKOEJ	ORDER BY DESCR
-4	211-0712-00		2	SCR,ASSEM WSHR:6-32 X 1.25,PNH,STL,TORX (END ATTACHING PARTS)	01536	ORDER BY DESCR
-5	343-1278-00		2	RTNR,POWER CORD:POLYCARBONATE GRAY	TK2165	ORDER BY DESCR
-6	348-0964-00		2	FOOT,REAR COVER:BLACK,PLASTIC	TKOEJ	ORDER BY DESCR
-7	437-0370-00		1	CABINET,SCOPE: (ATTACHING PARTS)	TKOEO	ORDER BY DESCR
-8	213-0882-00		4	SCREW,TPG,TR:6-32 X 0.437 TAPTITE,PNH,STL (END ATTACHING PARTS)	83385	ORDER BY DESCR
-9	367-0356-00		1	HANDLE,CARRYING: (ATTACHING PARTS)	TKOEJ	ORDER BY DESCR
-10	212-0144-00		2	SCREW,TPG,TF:8-16 X 0.562,PLASTITE,SPCL HD (END ATTACHING PARTS)	93907	225-38131-012
-11	214-3984-00		2	SPRING,HLCPS:0.71 OD X 12.0MM L,OPEN ENDS	TKOEH	ORDER BY DESCR
-12	426-1765-02		1	FRAME,CRT:POLYCARBONATE,GRAY (ATTACHING PARTS)	80009	426-1765-02
-13	211-0690-01		2	SCREW,MACHINE:6-32 X 0.875 PNH,SST (END ATTACHING PARTS)	86113	ORDER BY DESCR
-14	337-2775-00		1	SHLD,IMPLOSION:FILTER,BLUE	80009	337-2775-00
-15	348-0660-00		4	CUSHION,CRT:POLYURETHANE	80009	348-0660-00
-16	384-1575-00		1	EXTENSION SHAFT:8.805 L,W/KNOB,PLASTIC	80009	384-1575-00
-17	358-0550-00		1	BUSHING,SHAFT:0.15 ID X 0.488 L,PLSTC	TK2165	ORDER BY DESCR
-18	366-1480-03		1	PUSH BUTTON:BLACK,OFF	80009	366-1480-03
-19	384-1364-00		1	EXTENSION SHAFT:10.818 L X 0.187 SQ,NYL,BLK	80009	384-1364-00
-20	366-0641-00		2	KNOB:GY/YL,CAL/X10,11.5MM X 3.08MM X 13MM H	TKOES	ORDER BY DESCR
-21	331-0498-00		2	DIAL,CONTROL:32MM X 3.75MM,MKD 1 THRU 50	TKOEJ	ORDER BY DESCR
-22	366-0640-00		1	KNOB:GRAY,CAL W/ARROW,10MM X 2MM X 12MM H	TKOES	ORDER BY DESCR
-23	210-1436-00		2	WASHER,FLAT:9.4MM ID X 12.5MM OD X 2MM THK	TKOEL	ORDER BY DESCR
-24	331-0499-00		1	DIAL,CONTROL:32MM X 3.75MM,MKD 2 X LINES	TKOEJ	ORDER BY DESCR
-25	366-0636-00		8	KNOB:GRAY,10MM X 12MM H	TKOEJ	ORDER BY DESCR
-26	366-0635-00		2	PUSH BUTTON:GRAY,4.45MM X 7.75MM X	TKOEJ	ORDER BY DESCR
-27	-----		1	TERM,FEEDTHRU:(SEE J590 REPL)		
-28	131-0955-00		3	CONN,RCPT,ELEC:BNC,FEMALE	13511	31-279
-29	210-0255-00		1	TERMINAL,LUG:0.391 ID,LOCKING,BRS CD PL	12327	ORDER BY DESCR
-30	386-5483-00		1	SUBPANEL,FRONT:	TKOEJ	ORDER BY DESCR
-31	333-3454-00		1	PANEL,FRONT: (STANDARD ONLY)	TKDEX	ORDER BY DESCR
	333-3488-00		1	PANEL,FRONT:FRENCH VERSION OPT 1F (OPTION 1F ONLY)	TKDEX	ORDER BY DESCR





Replaceable Mechanical Parts - 2225 Service

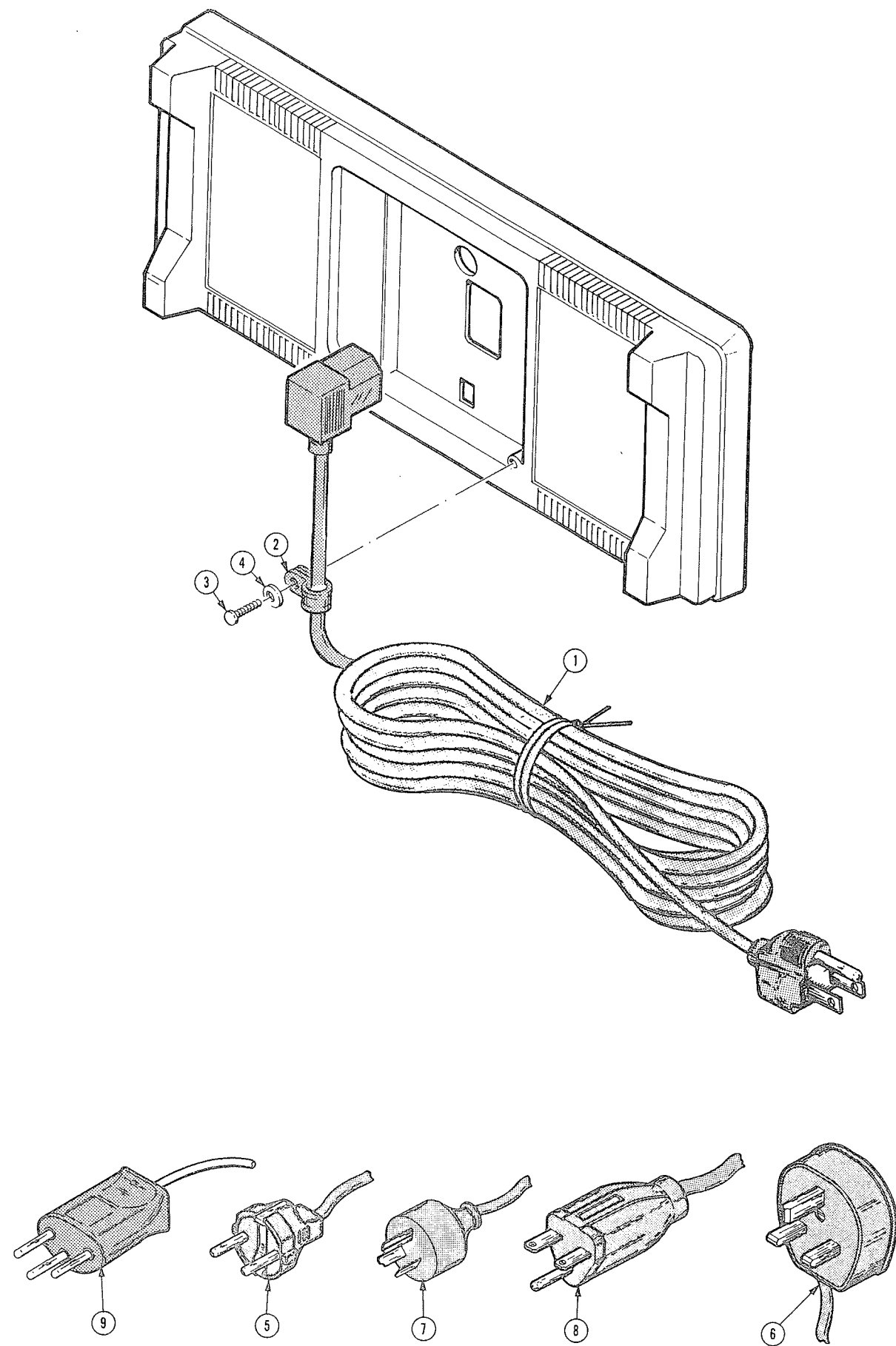
Fig. & Index No.	Tektronix Part No.	Serial/Assembly No. Effective Dscont		Qty	12345	Name & Description	Mfr. Code	Mfr. Part No.
2-1	441-1752-00			1		CHASSIS,SCOPE:FRONT (ATTACHING PARTS)	TK0EO	ORDER BY DESCR
-2	211-0718-00			4		SCREW,MACHINE:6-32 X 0.312,FLH,100 DEG,STL (END ATTACHING PARTS)	83486	ORDER BY DESCR
-3	337-3397-00			1		SHIELD,ELEC:CH1,CH2 SEPARATION	TK0EO	ORDER BY DESCR
-4	200-2519-00			1		CAP,CRT SOCKET:NATURAL LEXAN	80009	200-2519-00
-5	214-1061-05			1		SPRING,GROUND:PLATED	TK1326	ORDER BY DESCR
-6	426-1766-00			1		MOUNT,RESILIENT:CRT,REAR	80009	426-1766-00
-7	136-0202-04			1		SKT,PL-IN ELEK:ELECTRON TUBE,14 CONTACT	80009	136-0202-04
-8	214-3984-00			2		SPRING,HLCPS:0.71 OD X 12.0MM L,OPEN ENDS	TK0EH	ORDER BY DESCR
-9	-----			1		DELAY LINE,ELEC:(SEE DL224 REPL)		
-10	343-0549-00			4		STRAP,TIEDOWN,E:0.091 W X 4.0 L,ZYTEL	06383	PLT1M
-11	337-3363-00			1		SHIELD,ELEC:CRT	TK1723	ORDER BY DESCR
-12	386-4443-00			1		SUPPORT,SHIELD:CRT,FRONT,PLASTIC	80009	386-4443-00
-13	334-1951-00	202414		1		MARKER,IDENT:MKD WARNING,CRT VOLTAGES	22670	ORDER BY DESCR
-14	334-5258-00			1		MARKER,IDENT:MKD X-RAY WARNING,GERMAN	TK1694	ORDER BY DESCR
-15	-----			1		CIRCUIT BD ASSY:ATTENUATOR & TIMEBASE (SEE A2 REPL)		
-16	211-0721-00	200360	208128	4		SCREW,MACHINE:6-32 X 0.375,PHN,STL	83486	ORDER BY DESCR
	211-0730-00	208129		4		SCR,ASSEM WSHR:6-32 X 0.375,PNH,STL CD PL	80009	211-0730-00
-17	210-0457-00			2		NUT,PL,ASSEM WA:6-32 X 0.312,STL CD PL	78189	511-061800-00
-18	210-0202-00	200360	200997	1		TERMINAL,LUG:0.146 ID,LOCKING,BRZ TIN PL (END ATTACHING PARTS)	86928	A-373-158-2
	346-0240-00			2		.STRAP,GROUNDING:ATTENUATOR (SOLDER BRACKET ACROSS THE INNER TWO LEADS FROM THE ATTENUATOR SWITCHES) (ATTACHING PARTS)	TK0EO	ORDER BY DESCR
	211-0325-00			1		.SCR,ASSEM WSHR:4-40 X 0.25,PNH,STL,TORX T9 (END ATTACHING PARTS)	01536	ORDER BY DESCR
-19	376-0224-01			1		CPLG,SHAFT,RGDR:W/213-0153-00	TK0EC	ORDER BY DESCR
-20	384-1714-00			1		EXTENSION SHAFT:133MM L X 2MM OD,SST	80009	384-1714-00
-21	-----			1		CIRCUIT BD ASSY:FRONT PANEL (SEE A3 REPL)		
-22	211-0304-00			6		SCR,ASSEM WSHR:4-40 X 0.312,PNH,STL,T9 TORX (END ATTACHING PAATS)	01536	ORDER BY DESCR
-23	337-3365-00			1		SHIELD,ELEC:ATTENUATOR (ATTACHING PARTS)	TK0EO	ORDER BY DESCR
-24	211-0721-00	200360	208128	3		SCREW,MACHINE:6-32 X 0.375,PHN,STL	83486	ORDER BY DESCR
	211-0730-00	208129		3		SCR,ASSEM WSHR:6-32 X 0.375,PNH,STL CD PL	80009	211-0730-00
-25	129-1105-00			2		SPACER,POST:23.5MM L,4-40 BOTH ENDS,AL,HEX	TK0EL	ORDER BY DESCR
	129-1106-00			1		SPACER,POST:25.4MM L,W 6-32 THD THRU,BRASS (END ATTACHING PARTS)	TK0EL	ORDER BY DESCR
-26	337-3364-00			2		SHIELD,ELEC:POWER SUPPLY	TK0EJ	ORDER BY DESCR
-27	-----			1		CIRCUIT BD ASSY:FOCUS CONTROL MOUNTING (SEE A5 REPL)		
-28	210-1437-00			1		WASHER,FLAT:0.265 ID X 0.06 THK,STEEL (END ATTACHING PARTS)	TK0EI	ORDER BY DESCR
-29	384-1710-00			1		EXTENSION SHAFT:13MM X 7MM OD,W/STEP,4MM ID	TK0EJ	ORDER BY DESCR
-30	348-0918-00			1		GROMMET,PLASTIC:BLACK,RING,0.625 ID	TK0ER	ORDER BY DESCR
-31	344-0347-00			1		CLIP,ELECTRICAL:ANODE,0.72 OD,NYLON	TK2165	ORDER BY DESCR
-32	441-1751-00			1		CHASSIS,SCOPE:INNER (ATTACHING PARTS)	TK0EO	ORDER BY DESCR
-33	211-0721-00	200360	208128	8		SCREW,MACHINE:6-32 X 0.375,PHN,STL	83486	ORDER BY DESCR
	211-0730-00	208129		8		SCR,ASSEM WSHR:6-32 X 0.375,PNH,STL CD PL (END ATTACHING PARTS)	80009	211-0730-00
-34	-----			1		CIRCUIT BD ASSY:POWER (SEE A4 REPL)		
-35	211-0721-00	200360	208128	6		SCREW,MACHINE:6-32 X 0.375,PHN,STL	83486	ORDER BY DESCR
	211-0730-00	208129		6		SCR,ASSEM WSHR:6-32 X 0.375,PNH,STL CD PL	80009	211-0730-00
-36	210-0457-00			2		NUT,PL,ASSEM WA:6-32 X 0.312,STL CD PL (END ATTACHING PARTS)	78189	511-061800-00
-37	200-2735-00			1		COVER,POWER SW:BLACK,POLYCARBONATE	TK2165	ORDER BY DESCR
-38	200-2264-00			1		CAP,FUSEHOLDER:3AG FUSES	S3629	FEK Q31 1666
-39	204-0906-00			1		BODY,FUSEHOLDER:3AG & 5 X 20MM FUSES	S3629	TYPEFAU031.3573

Replaceable Mechanical Parts - 2225 Service

Fig. & Index No.	Tektronix Part No.	Serial/Assembly No. Effective Dscont		Qty	12345	Name & Description	Mfr. Code	Mfr. Part No.
2-40	-----			1		CIRCUIT BD ASSY:MAIN (SEE A1 REPL)		
						(ATTACHING PARTS)		
-41	211-0721-00	200360	208128	8		SCREW,MACHINE:6-32 X 0.375,PNH,STL	83486	ORDER BY DESCR
	211-0730-00	208129		8		SCR,ASSEM WSHR:6-32 X 0.375,PNH,STL CD PL	80009	211-0730-00
-42	210-0457-00			5		NUT,PL,ASSEM WA:6-32 X 0.312,STL CD PL	78189	511-061800-00
						(END ATTACHING PARTS)		
						CIRCUIT BD ASSY INCLUDES:		
-43	-----			4		.TRANSISTOR:(SEE A1Q912,Q913,Q950,Q980 REPL)		
						(ATTACHING PARTS)		
-44	211-0305-00			4		.SCR,ASSEM WSHR:4-40 X 0.437,PNH,STL,CD PL	01536	ORDER BY DESCR
-45	210-0586-00			4		.NUT,PL,ASSEM WA:4-40 X 0.25,STL CD PL	78189	211-041800-00
	342-0829-00	200360	200697	3		.INSULATOR,PLATE:TRANSISTOR,SIL-PAD	TK0ET	ORDER BY DESCR
-46	342-0804-00	200027	200697	7		.INSULATOR,WSHR:5.6MM OD X 3.0MM ID X 1.6MM	80009	342-0804-00
	342-0804-00	200360	200026	4		.INSULATOR,WSHR:5.6MM OD X 3.0MM ID X 1.6MM	80009	342-0804-00
	342-0804-00	200698		1		.INSULATOR,WSHR:5.6MM OD X 3.0MM ID X 1.6MM	80009	342-0804-00
						(END ATTACHING PARTS)		
-47	407-3539-00			1		.BRACKET,HT SK:ALUMINUM	TK0EO	ORDER BY DESCR
-48	361-1435-00			2		.SPACER,XSTR:POLYPROPYLENE,T0-5	K2504	402-175
	407-3579-00			1		.BRKT,HEAT SINK:ALUMINUM	TK0EO	ORDER BY DESCR
-49	343-0088-00			2		.CLAMP,CABLE:0.062 DIA,PLASTIC	80009	343-0088-00
	343-0002-00	200360	200519	1		CLAMP,LOOP:0.187 ID,PLASTIC	06915	E3 CLEAR ROUND
	343-0003-00	200520		1		CLAMP,LOOP:0.25 ID,PLASTIC	06915	E4 CLEAR ROUND
-50	-----			1		TRANSFORMER:(SEE T901 REPL)		
						(ATTACHING PARTS)		
-51	213-0993-00			1		SCREW,MACHINE:0.25-20 X 2.5 L,HEX HEAD,STL	TK0EB	ORDER BY DESCR
-52	220-0054-00	200360	200761	1		NUT,PLAIN,HEX:0.25-20 X 0.437 HEX,STL,ZN PL	TK0EB	ORDER BY DESCR
	220-0054-00	200762		2		NUT,PLAIN,HEX:0.25-20 X 0.437 HEX,STL,ZN PL	TK0EB	ORDER BY DESCR
-53	210-1026-00	200360	200761	1		WASHER,LOCK:0.26 ID,INTL,0.025 THK,STL	78189	1114-00
-54	210-1437-00	200360	200761	1		WASHER,FLAT:0.265 ID X 0.06 THK,STEEL	TK0EI	ORDER BY DESCR
-55	386-5361-00			1		PLATE,REAR:STEEL	TK0EO	ORDER BY DESCR
						(END ATTACHING PARTS)		
-56	441-1753-00			1		CHASSIS,SCOPE:REAR	TK0EO	ORDER BY DESCR

Replaceable Mechanical Parts - 2225 Service

Fig. & Index No.	Tektronix Part No.	Serial/Assembly No. Effective Dscont	Qty	12345	Name & Description	Mfr. Code	Mfr. Part No.
3-					STANDARD ACCESSORIES		
	-----		1		ACCESSORY PKG:TWO P6103 PROBE,PSIV W/ACCESS		
	070-6298-01		1		MANUAL,TECH:OPERATORS,2225	TK0EP	ORDER BY DESCR
-1	161-0104-00		1		CABLE ASSY,PWR,:3 WIRE,98.0 L,W/RTANG CONN (UNITED KINGDOM ONLY)	16428	CH8352, FH-8352
	161-0230-01		1		CABLE ASSY,PWR,:3,18 AWG,92.0 L (U.S.A ONLY)	80009	161-0230-01
-2	343-0003-00		1		CLAMP,LOOP:0.25 ID,PLASTIC	06915	E4 CLEAR ROUND
-3	213-0882-00		1		SCREW,TPG,TR:6-32 X 0.437 TAPTITE,PNH,STL	83385	ORDER BY DESCR
-4	210-0803-00		1		WASHER,FLAT:0.15 ID X 0.375 OD X 0.032,STL	12327	ORDER BY DESCR
	020-0859-00		1		COMPONENT KIT:EUROPEAN	80009	020-0859-00
	200-2265-00		1		.CAP,FUSEHOLDER:5 X 20MM FUSES	TK0861	FEK 031.1663
-5	161-0104-06		1		.CABLE ASSY,PWR,:3 X 0.75MM SQ,220V,98.0 L (OPTION A1 ONLY)	S3109	ORDER BY DESCR
	020-0860-00		1		COMPONENT KIT:UNITED KINGDOM	80009	020-0860-00
	200-2265-00		1		.CAP,FUSEHOLDER:5 X 20MM FUSES	TK0861	FEK 031.1663
-6	161-0104-07		1		.CABLE ASSY,PWR,:3 X 0.75MM SQ,240V,98.0 L (OPTION A2 ONLY)	TK1373	A25UK-RA
	020-0861-00		1		COMPONENT KIT:AUSTRALIAN	80009	020-0861-00
	200-2265-00		1		.CAP,FUSEHOLDER:5 X 20MM FUSES	TK0861	FEK 031.1663
-7	161-0104-05		1		.CABLE ASSY,PWR,:3,18 AWG,240V,98.0 L (OPTION A3 ONLY)	S3109	ORDER BY DESCR
	020-0862-00		1		COMPONENT KIT:NORTH AMERICAN	80009	020-0862-00
	200-2265-00		1		.CAP,FUSEHOLDER:5 X 20MM FUSES	TK0861	FEK 031.1663
-8	161-0104-08		1		.CABLE ASSY,PWR,:3,18 AWG,240V,98.0 L (OPTION A4 ONLY)	70903	ORDER BY DESCR
	020-0863-00		1		COMPONENT KIT:SWISS	80009	020-0863-00
	200-2265-00		1		.CAP,FUSEHOLDER:5 X 20MM FUSES	TK0861	FEK 031.1663
-9	161-0167-00		1		.CABLE ASSY,PWR,:3.0 X 0.75,6A,240V,2.5M L (OPTION A5 ONLY)	S3109	ORDER BY DESCR
					OPTIONAL ACCESSORIES		
	016-0180-00		1		VISOR,CRT:FOLDING	TK2165	ORDER BY DESCR
	016-0566-00		1		VISOR,CRT:	TK2165	ORDER BY DESCR
	016-0592-00		1		VISOR,CRT:	TK2165	ORDER BY DESCR
	016-0677-02		1		POUCH,ACCESSORY:	TK0174	016-0677-02
	016-0785-00		1		ACCESSORY KIT:MOUNTING,1107 TO 2200	80009	016-0785-00
	016-0792-01		1		CASE,CARRYING:24.5 X 16.5 X 11.5	TK1336	ORDER BY DESCR
	016-0819-00		1		ADAPTER,RACK:MODIFIED 016-0466-00	80009	016-0819-00
	020-1514-00		1		ACCESSORY KIT: (OPTION 02)	80009	020-1514-00
	070-6299-00		1		MANUAL,TECH:SERVICE,2225	80009	070-6299-00
	200-3397-00		1		COVER,SCOPE:FRONT	80009	200-3397-00
	337-2775-01		1		SHLD,IMPLOSION:	80009	337-2775-01



APPENDIX

Table A-1
Magnified Sweep Speeds

SEC/DIV Setting	Magnified Sweep Speed (Time/Division)		
	X5	X10	X50
0.5 s	0.1 s	50 ms	10 ms
0.2 s	40 ms	20 ms	4 ms
0.1 s	20 ms	10 ms	2 ms
50 ms	10 ms	5 ms	1 ms
20 ms	4 ms	2 ms	0.4 ms
10 ms	2 ms	1 ms	0.2 ms
5 ms	1 ms	0.5 ms	0.1 ms
2 ms	0.4 ms	0.2 ms	40 μs
1 ms	0.2 ms	0.1 ms	20 μs
0.5 ms	0.1 ms	50 μs	10 μs
0.2 ms	40 μs	20 μs	4 μs
0.1 ms	20 μs	10 μs	2 μs
50 μs	10 μs	5 μs	1 μs
20 μs	4 μs	2 μs	0.4 μs
10 μs	2 μs	1 μs	0.2 μs
5 μs	0.1 μs	0.5 μs	0.1 μs
2 μs	0.4 μs	0.2 μs	40 ns
1 μs	0.2 μs	0.1 μs	20 ns
0.5 μs	0.1 μs	50 ns	10 ns
0.2 μs	40 ns	20 ns	N/A
0.1 μs	20 ns	10 ns	N/A
.05 μs	10 ns	5 ns	N/A