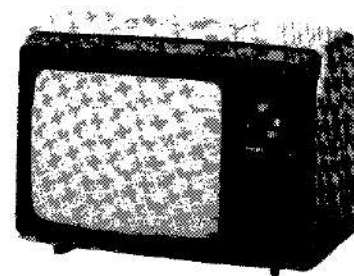


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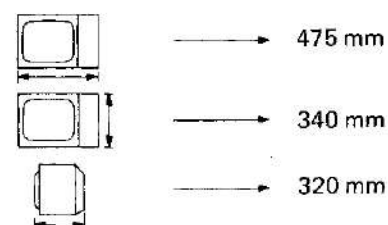
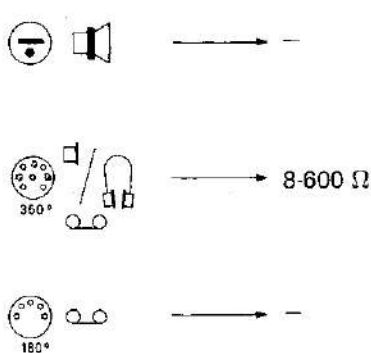
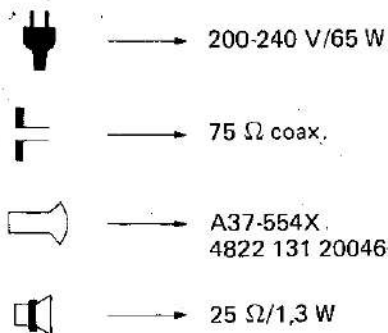
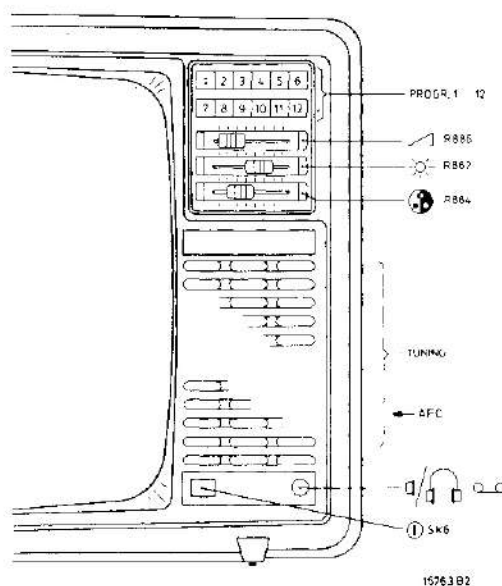


16601A2

00S/00F/00W/20S/20F/20W

22S/22F/22W/51S/51F/51W

Service Manual

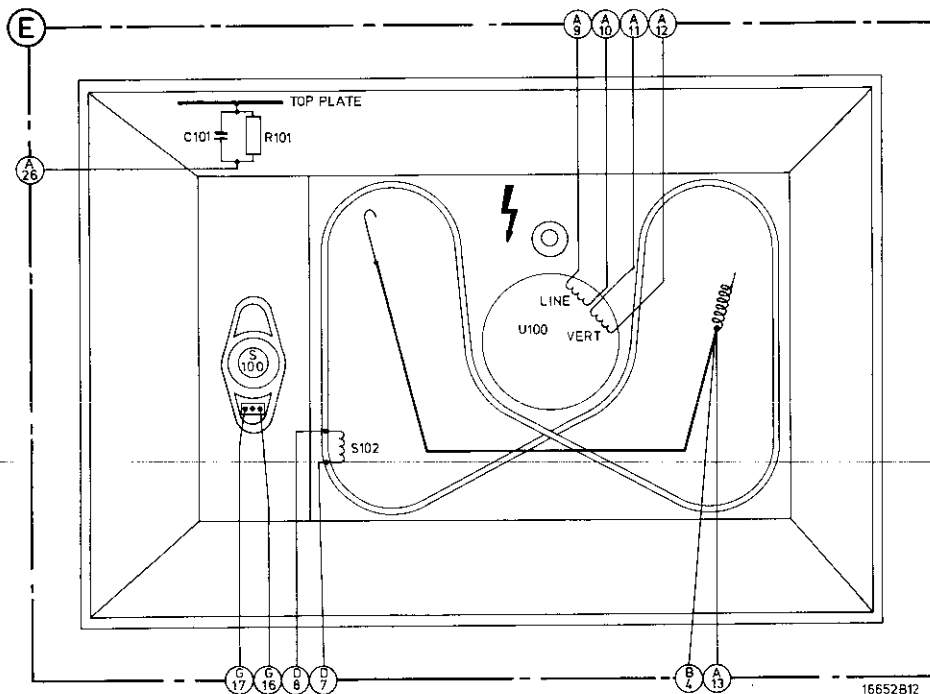


ELC2004	V315+U322
VHFa: 47- 68 MHz	VHFa: 47-111 MHz
VHFB: 174-230 MHz	VHFB: 111-293 MHz
UHF :470-892 MHz	UHF :470-892 MHz

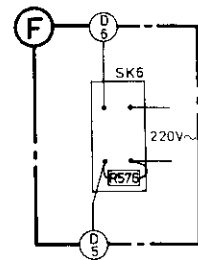


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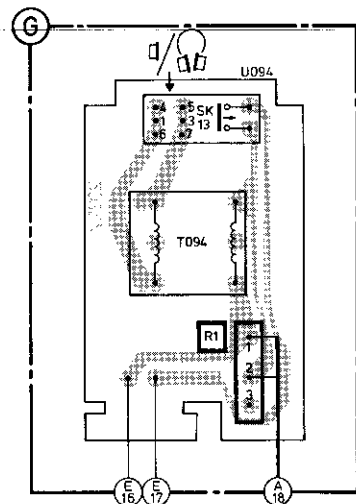
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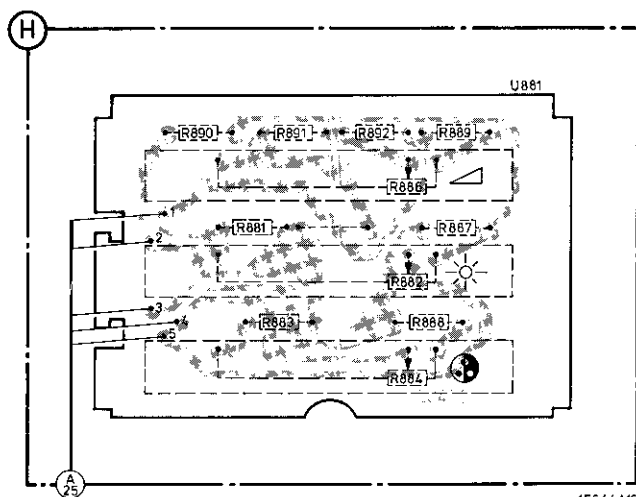
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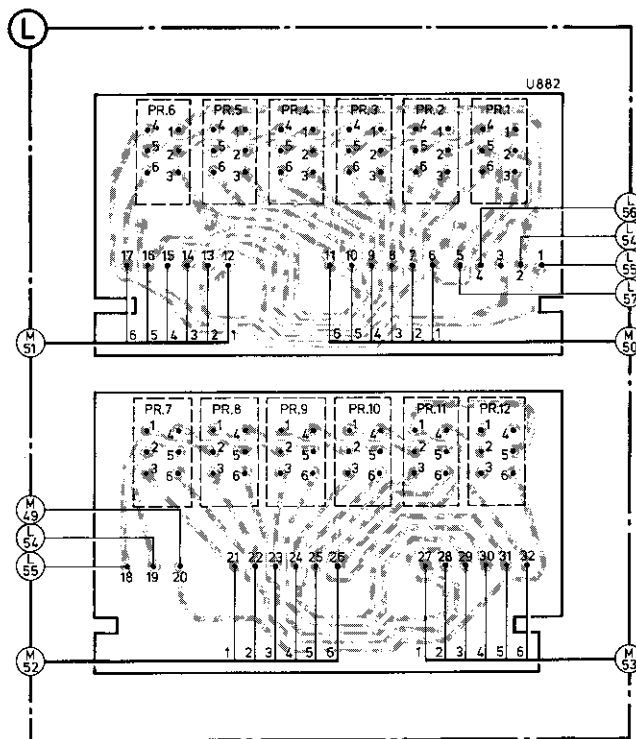
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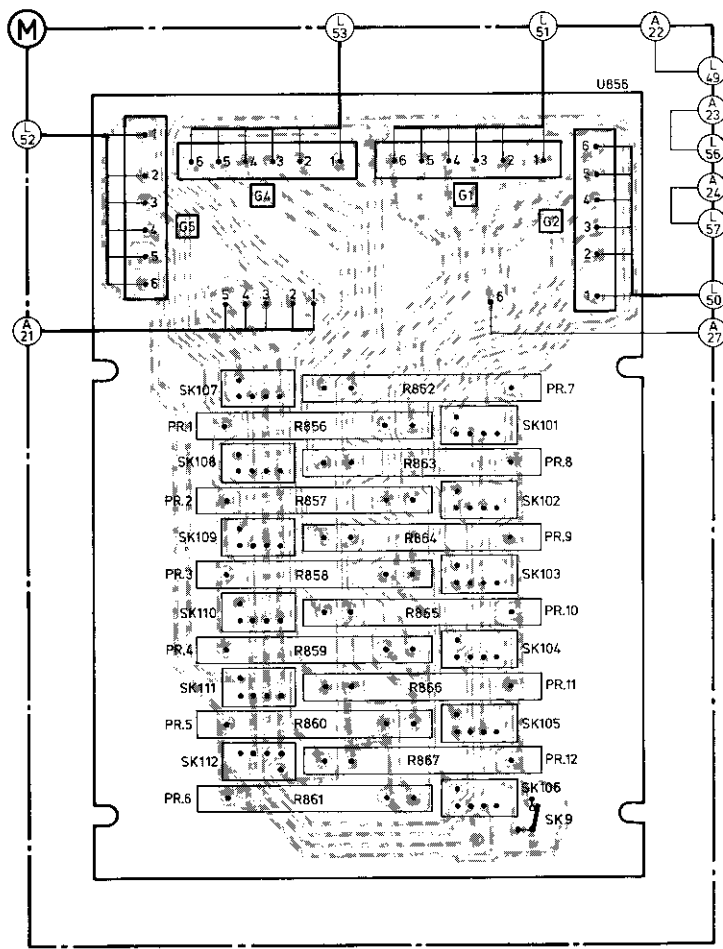
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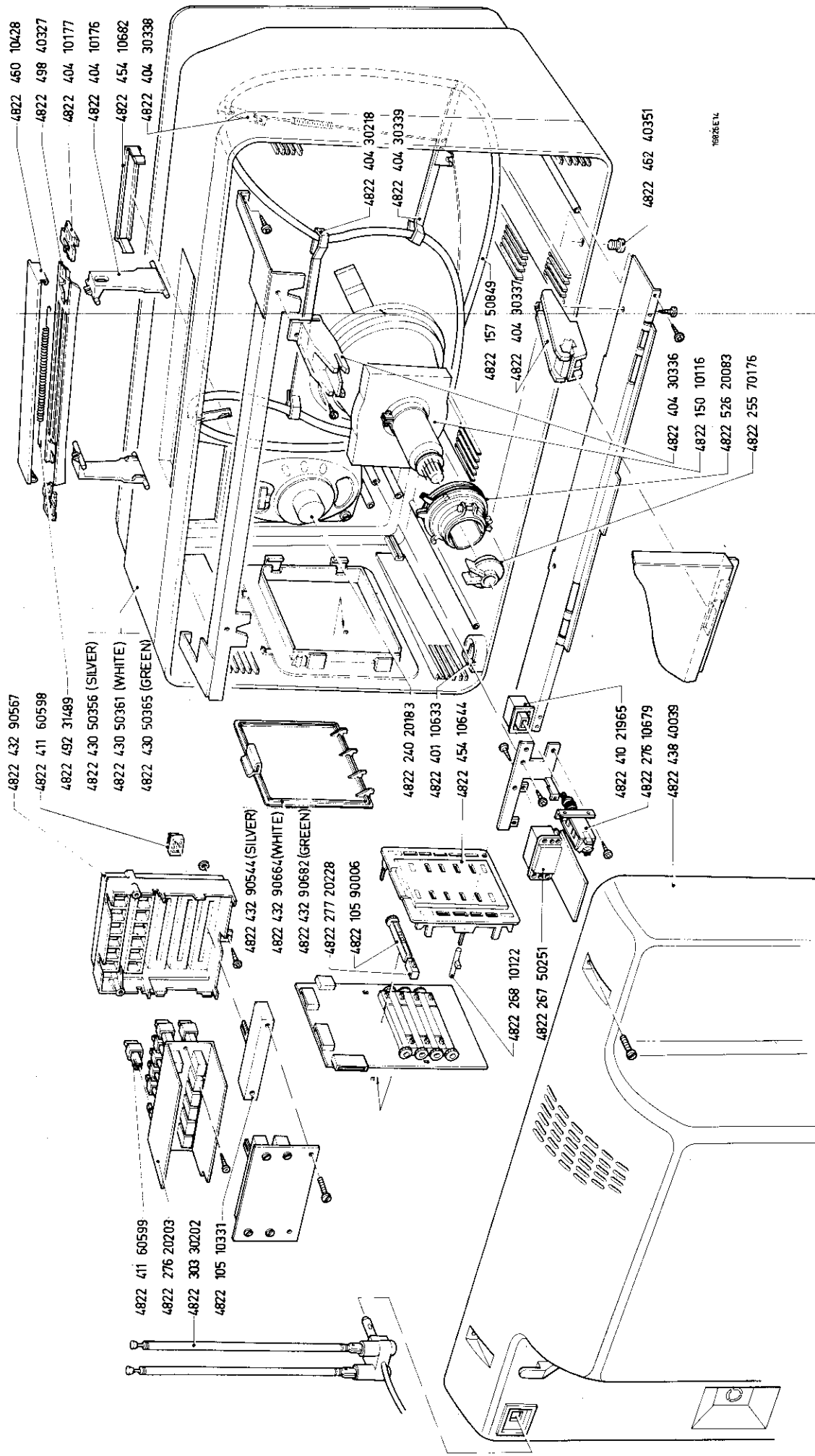


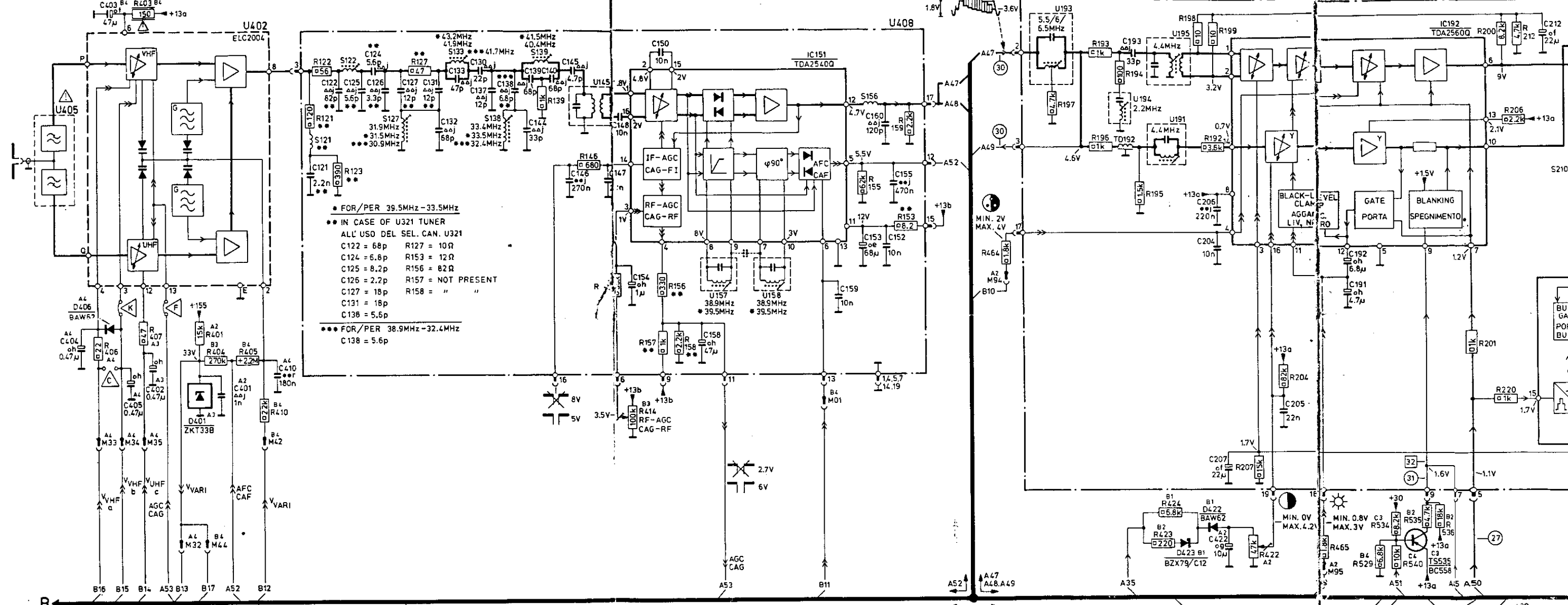
DIAGRAM-SCHALT-BILD-SCHEMA-A

M33.A11.13 M34.A21...24.M35.32 M45.44 M42 M21															M01 M22 M94 M54 M52 M71.72.M53 M65.64.62 M51 M02.53														
D406 D401 D292 D306.300 TS386 D388 TS392															D423 D422 TS535 D586 D583...585.587.590 TS490														
TS-D-B															TS397.D343 TS336.396 TS353 D356 D461.TS463.TS514.D464.TS523 TS530.532 TS562														
S-T-U U405 S103.102 S292 U402 S121 U450.S122 S127 S133 S138 S139 U145															U157 U475 U158 S156 U408 D351 U470.S461.U193.S463.462.U194.195.191.S464.466.T465.S563 U100R														
121...233 121.122 124...127 130...133 137...140.144 145...148															154 150 158 159 153.160.152.155 193 205.204.207 205														
C 121...233 404.403.367.293.405.372.291.298.402.368.366.401.377.292.376.410.305.304.369.300.374.375.460a.380.370.373.386.388															398.342.343.331.397.336 329.396 463.344.330.317.354.352 353.356 325.351.461 510.462.460b.514.460c.541.542.522.422.531.532.521.568														
233...590 404.403.367.293.405.372.291.298.402.368.366.401.377.292.376.410.305.304.369.300.374.375.460a.380.370.373.386.388															567.562 559.584.564.560.563.585...590.540.561.562.583.56														

CHANNEL SELECTOR
KANALWÄHLER
SELETTORE CANALE

IF AMPL.+DET.+AGC
ZF VERST.+DEM.+AVR
AMPL.F1+LEVEL+CAG

CROMINANCE+LUMINANCE
FARBART+LEUCHTICHTE
CROMINANZA+LUMINANZA

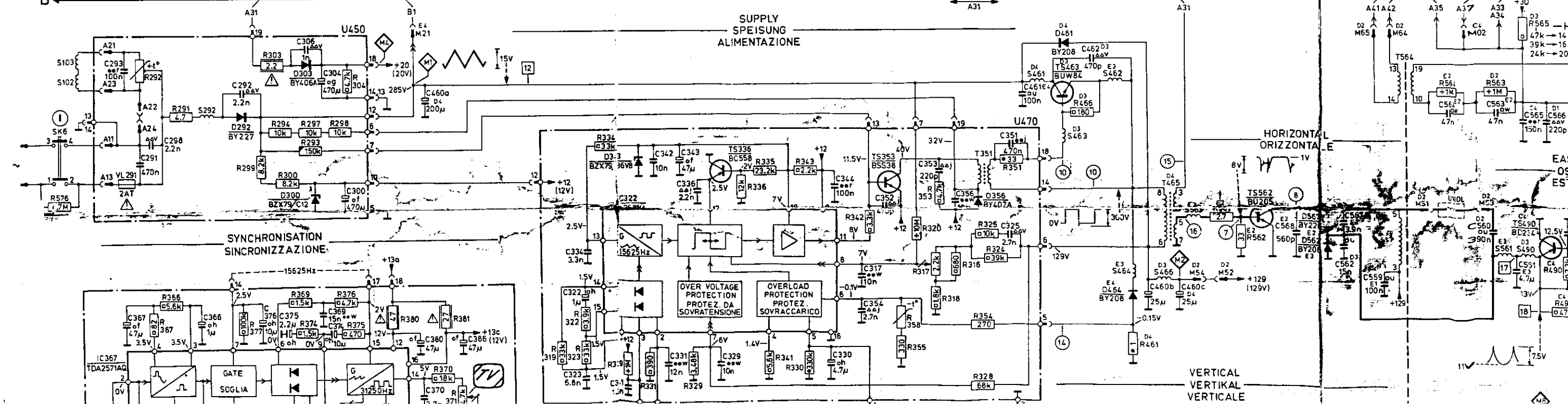


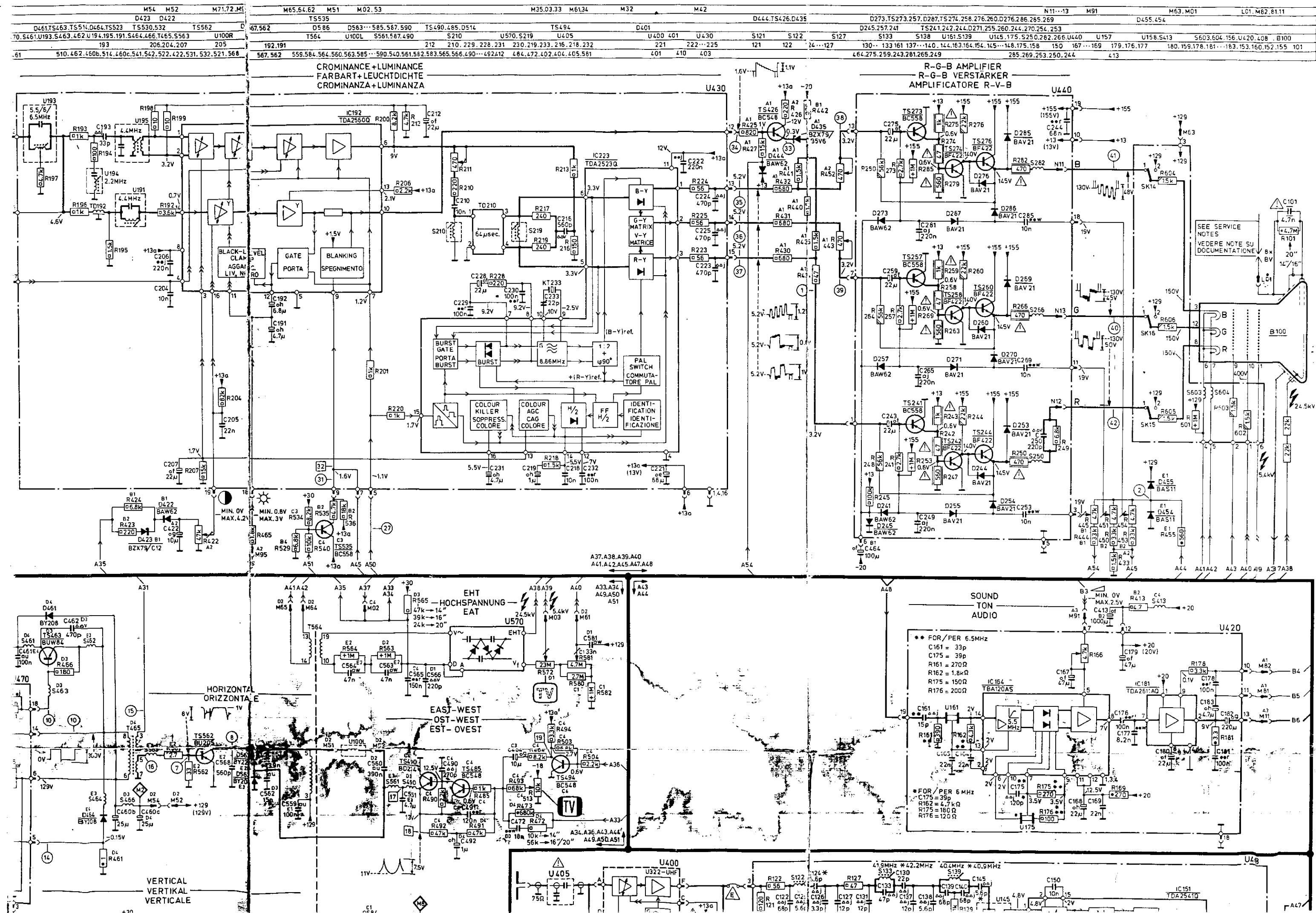
SUPPLY
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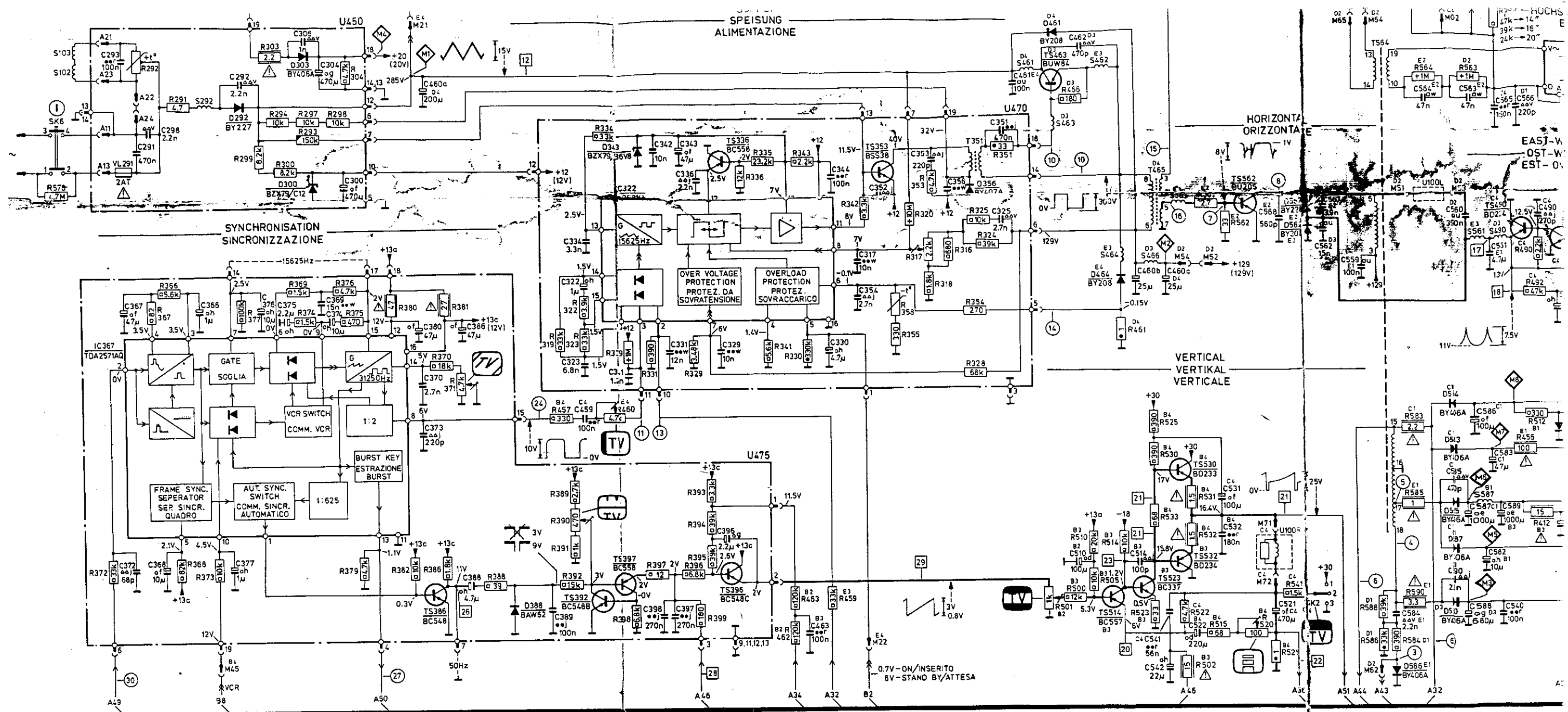
SYNCHRONISATION
SINCRONIZZAZIONE

HORIZONTAL
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VERTICAL
VERTIKAL
VERTECALE



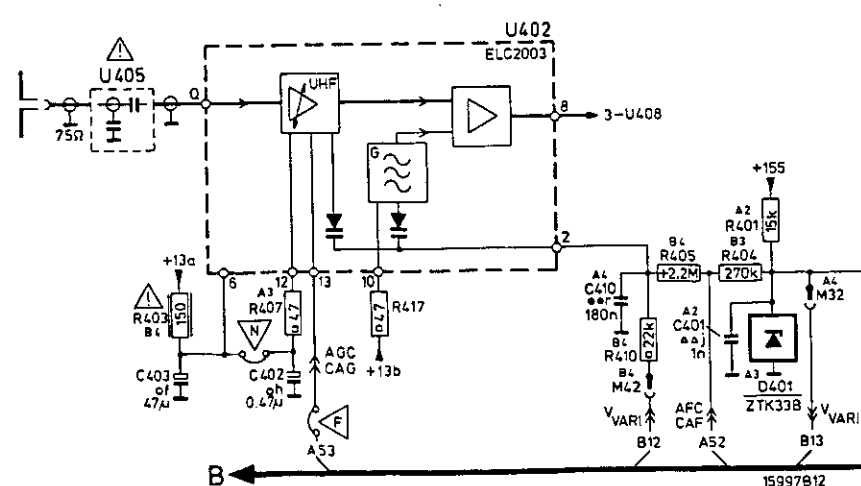




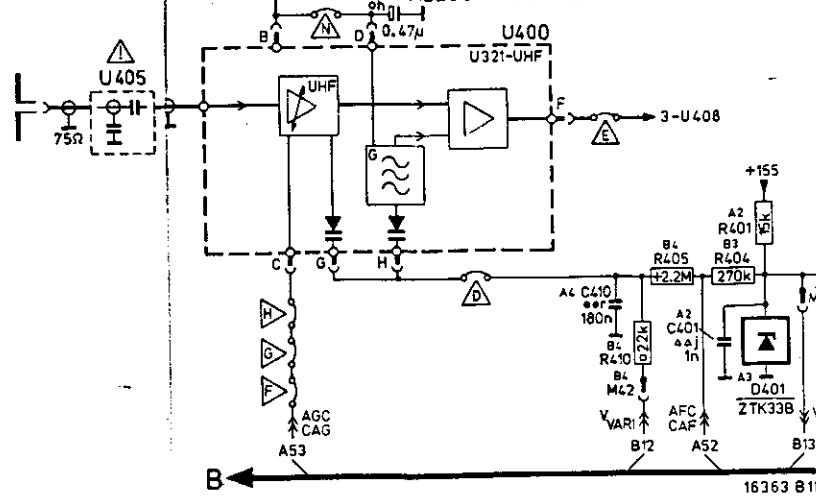
121...253	121 122 123	127	139	146	154	156...158	155	153.159	197	193...196	198.192.199	207	204	210
257...373	372 292.365...368.291.373	303 294.369.297...300.293 304	370 371	319.322.323.334 339 331	329	336.335 341.343.330	342.358.355.320.353.316...318.354.328.325.324.351.464	501.500.466	505	461.423.424.502	422	45	529	458.412.490
374...505	406 403.407	401.404.377.405.410	374 375.376.379	380...382.386	388	457.389...392 469 414 393...399	463.462 459	510.514.525.523.530...533.522.515.561.562.520.521.541	536.534	540.535.583...588.594.564.563	512			
510...606.576														

SUBJECT TO MODIFICATIONS/WIJZIGINGEN VOORBEHOUDEN/SAUF MODIFICATIONS/ÄNDERUNGEN VORBEHALTEN/SOGGETTO A MODIFICHE

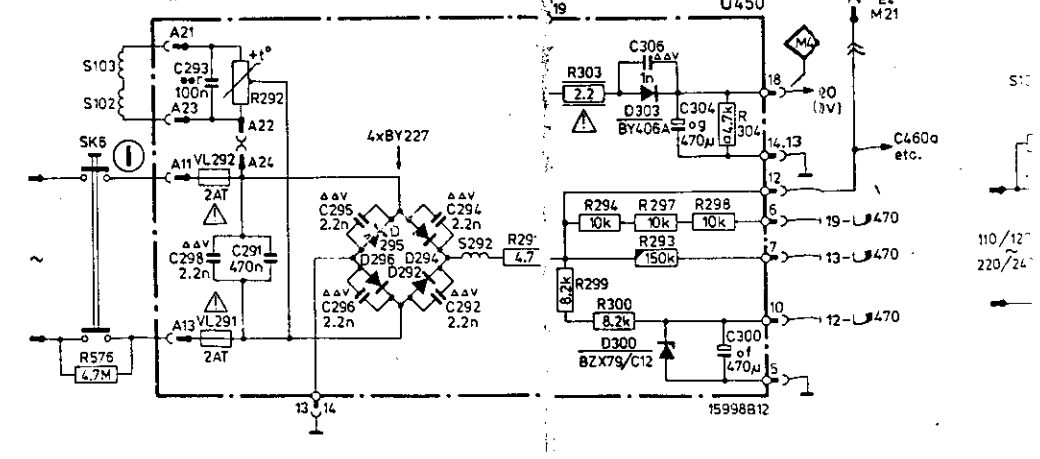
IN CASE OF UHF TUNER ELC 2003
ALL'USO DEL SELETTOR CANALE ELC 2003

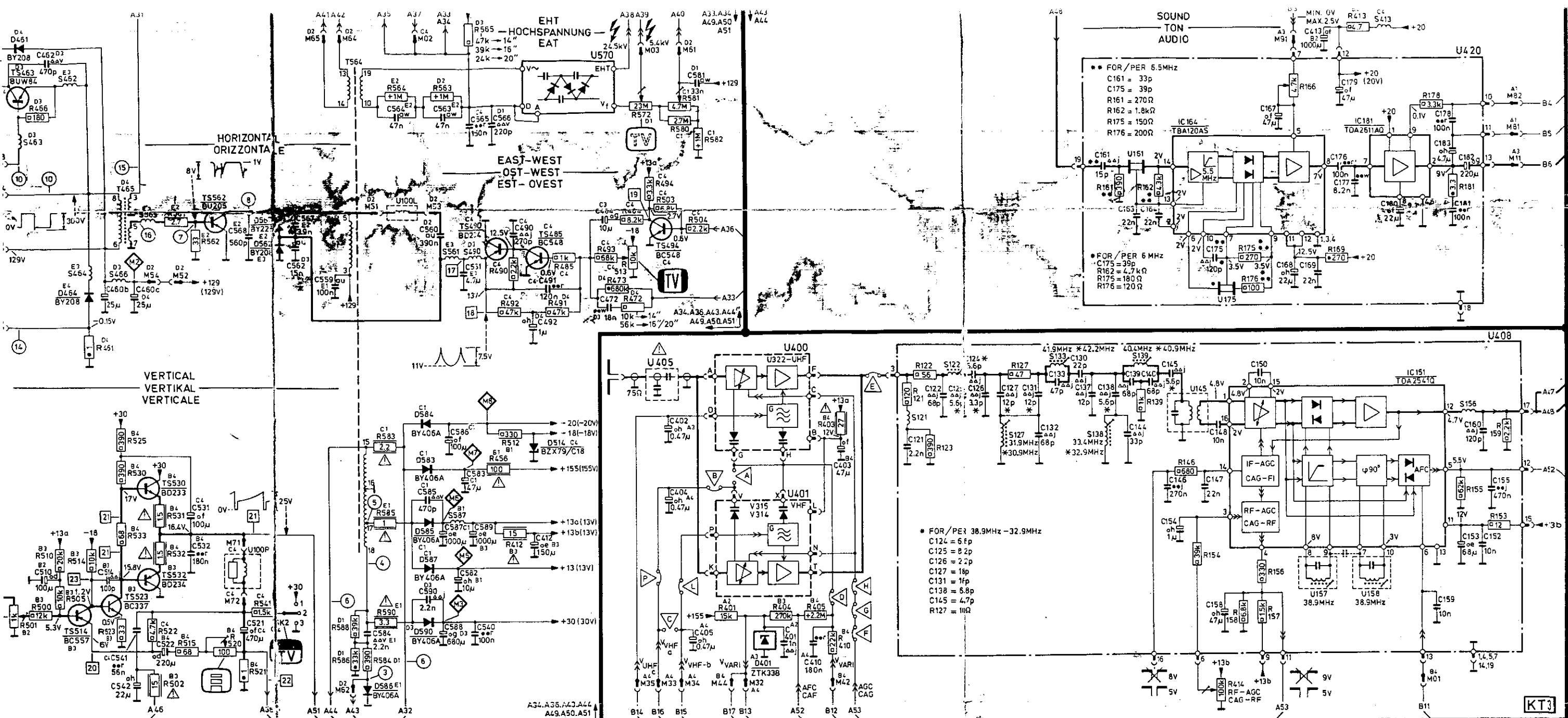


IN CASE OF UHF TUNER U321
ALL'USO DEL SELETTOR CANALE U321



IN CASE OF BRIDGERECTIFIER
ALL'USO DEL RETTIF. PONTICELLO





197	193	196	198,192,199	207	204	201,220,200,206,212	210,211	228	215-219,213	223-225	121	122,123	127,245,248,241,253,247,161,242	244,139,162,146,154,250,249,156	158,175,176,166	169	178	181,155	153,159	101
501,500,486	505	461,421,424,502	422	529	536,534	540,535,583	588,590,564,563	512	456,412,490	492,485	493,473,472,484,494,503,504,401	404	405,410,403	425-427,430	432,441-441,434,452	404	405,410,403	425-427,430	432,441-441,434,452	404
510,514,525,533,530	533,522,515,561,562,520,521,541	536,534	540,535,583	588,590,564,563	512	456,412,490	492,485	493,473,472,484,494,503,504,401	404	405,410,403	425-427,430	432,441-441,434,452	404	405,410,403	425-427,430	432,441-441,434,452	404	405,410,403	425-427,430	432,441-441,434,452
414	445,444,451,450,433,413,453	455	604	606,601	603,602	15403F129711														

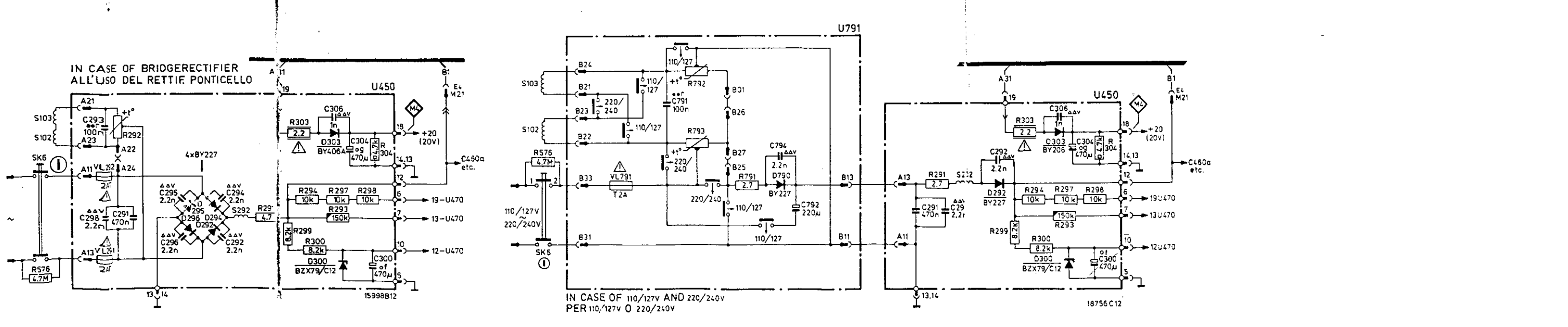
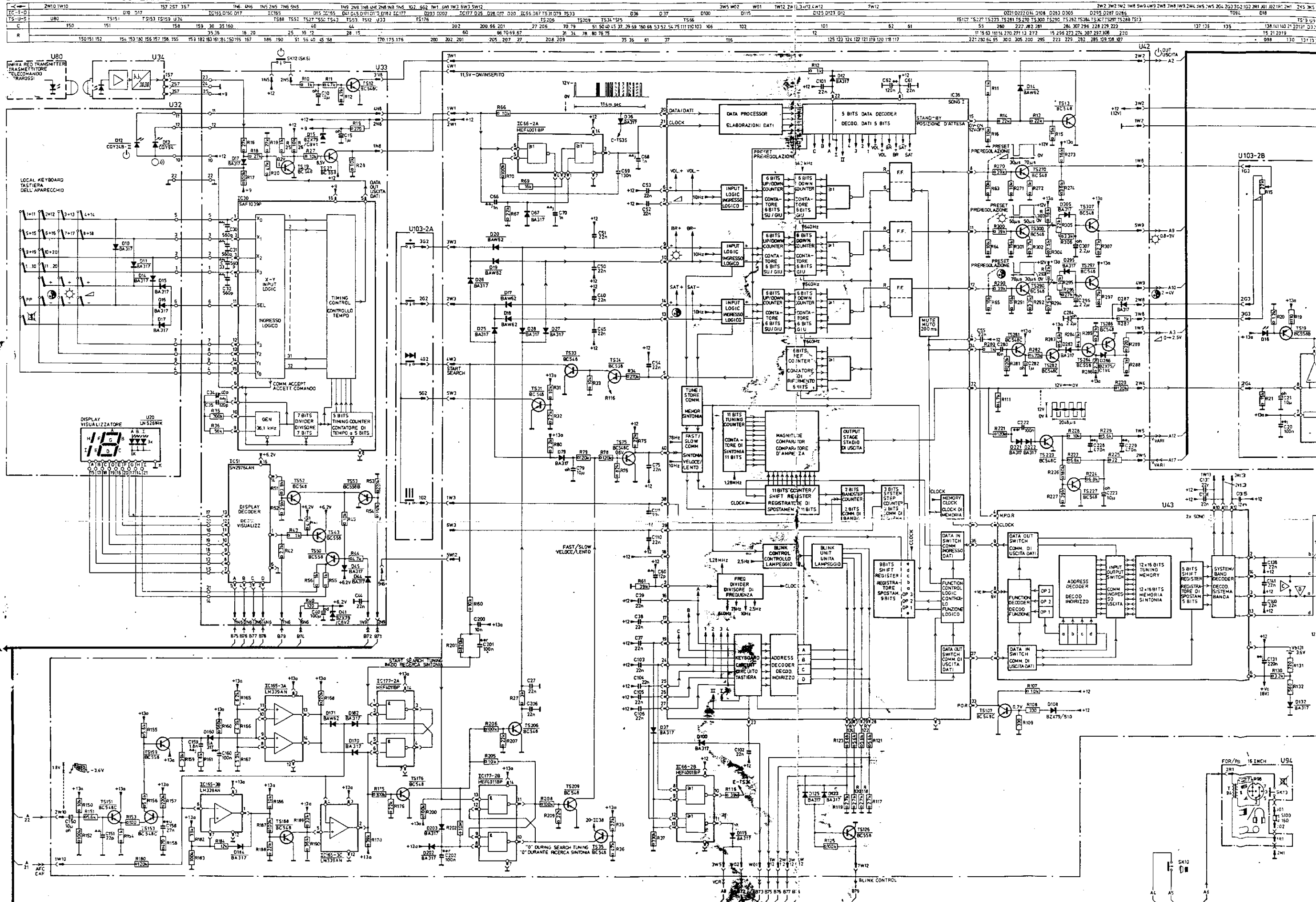
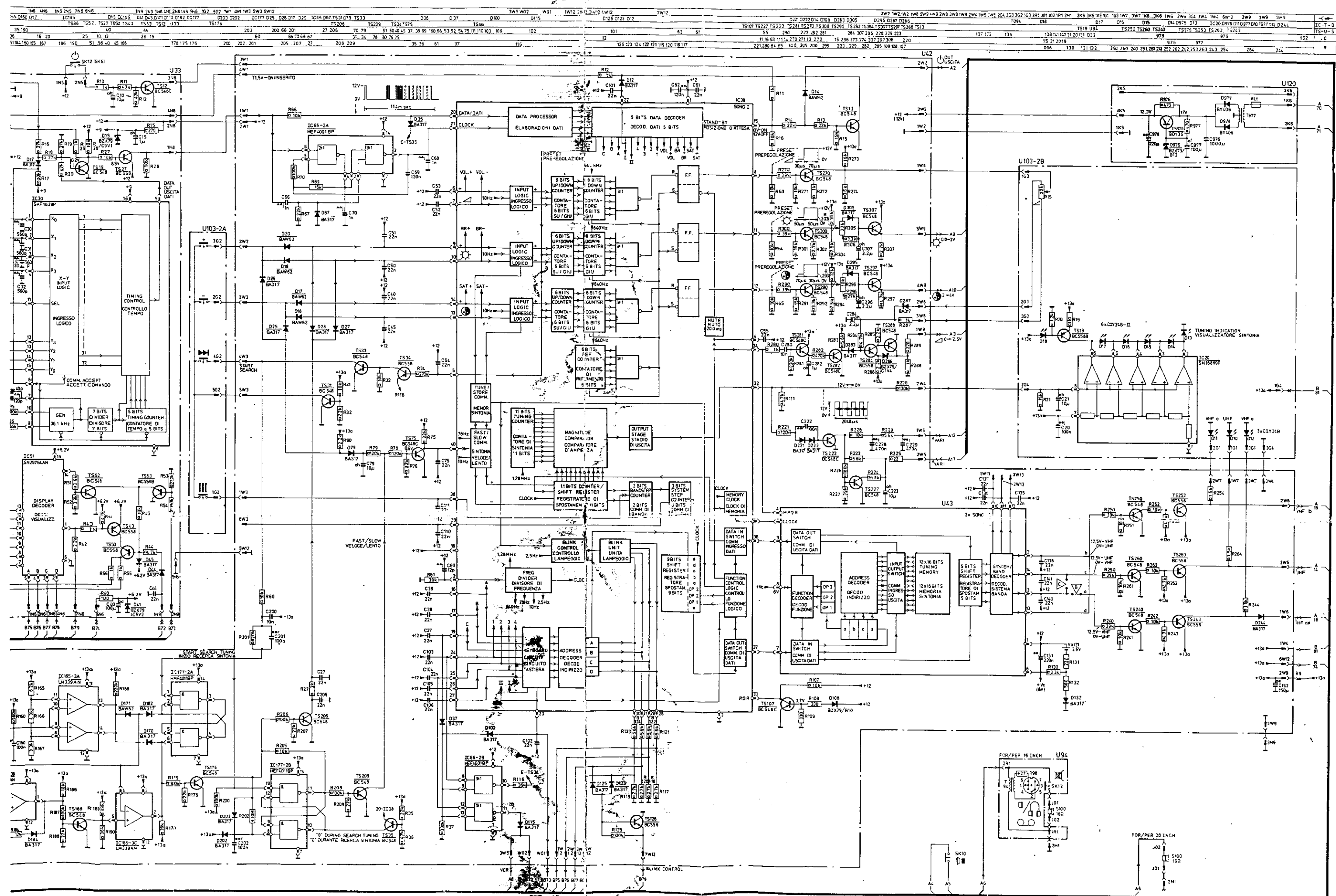


DIAGRAM - SCHALTBILO - SCHEMA B





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21	13	52	4M9	5M8	6K7	1K4	2K4	13	273	257	241	274	258	242	276	260	244	N1	1M9	L01	M8	1M1	→																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
53	422	126	423	133	54	85	66	426	444	435	241	245	257	273	14	255	287	271	253	244	285	260	276	254	270	286	269	253	455	454	453	452	451	450	449	448	447	446	445	444	443	442	441	440	439	438	437	436	435	434	433	432	431	430	429	428	427	426	425	424	423	422	421	420	419	418	417	416	415	414	413	412	411	410	409	408	407	406	405	404	403	402	401	400	399	398	397	396	395	394	393	392	391	390	389	388	387	386	385	384	383	382	381	380	379	378	377	376	375	374	373	372	371	370	369	368	367	366	365	364	363	362	361	360	359	358	357	356	355	354	353	352	351	350	349	348	347	346	345	344	343	342	341	340	339	338	337	336	335	334	333	332	331	330	329	328	327	326	325	324	323	322	321	320	319	318	317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	302	301	300	299	298	297	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279	278	277	276	275	274	273	272	271	270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	252	251	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39	-40	-41	-42	-43	-44	-45	-46	-47	-48	-49	-50	-51	-52	-53	-54	-55	-56	-57	-58	-59	-60	-61	-62	-63	-64	-65	-66	-67	-68	-69	-70	-71	-72	-73	-74	-75	-76	-77	-78	-79	-80	-81	-82	-83	-84	-85	-86	-87	-88	-89	-90	-91	-92	-93	-94	-95	-96	-97	-98	-99	-100	-101	-102	-103	-104	-105	-106	-107	-108	-109	-110	-111	-112	-113	-114	-115	-116	-117	-118	-119	-120	-121	-122	-123	-124	-125	-126	-127	-128	-129	-130	-131	-132	-133	-134	-135	-136	-137	-138	-139	-140	-141	-142	-143	-144	-145	-146	-147	-148	-149	-150	-151	-152	-153	-154	-155	-156	-157	-158	-159	-160	-161	-162	-163	-164	-165	-166	-167	-168	-169	-170	-171	-172	-173	-174	-175	-176	-177	-178	-179	-180	-181	-182	-183	-184	-185	-186	-187	-188	-189	-190	-191	-192	-193	-194	-195	-196	-197	-198	-199	-200	-201	-202	-203	-204	-205	-206	-207	-208	-209	-210	-211	-212	-213	-214	-215	-216	-217	-218	-219	-220	-221	-222	-223	-224	-225	-226	-227	-228	-229	-230	-231	-232	-233	-234	-235	-236	-237	-238	-239	-240	-241	-242	-243	-244	-245	-246	-247	-248	-249	-250	-251	-252	-253	-254	-255	-256	-257	-258	-259	-260	-261	-262	-263	-264	-265	-266	-267	-268	-269	-270	-271	-272	-273	-274	-275	-276	-277	-278	-279	-280	-281	-282	-283	-284	-285	-286	-287	-288	-289	-290	-291	-292	-293	-294	-295	-296	-297	-298	-299	-300	-301	-302	-303	-304	-305	-306	-307	-308	-309	-310	-311	-312	-313	-314	-315	-316	-317	-318	-319	-320	-321	-322	-323	-324	-325	-326	-327	-328	-329	-330	-331	-332	-333	-334	-335	-336	-337	-338	-339	-340	-341	-342	-343	-344	-345	-346	-347	-348	-349	-350	-351	-352	-353	-354	-355	-356	-357	-358	-359	-360	-361	-362	-363	-364	-365	-366	-367	-368	-369	-370	-371	-372	-373	-374	-375	-376	-377	-378	-379	-380	-381	-382	-383	-384	-385	-386	-387	-388	-389	-390	-391	-392	-393	-394	-395	-396	-397	-398	-399	-400	-401	-402	-403	-404	-405	-406	-407	-408	-409	-410	-411	-412	-413	-414	-415	-416	-417	-418	-419	-420	-421	-422	-423	-424	-425	-426	-427	-428	-429	-430	-431	-432	-433	-434	-435	-436	-437	-438	-439	-440	-441	-442	-443	-444	-445	-446	-447	-448	-449	-450	-451	-452	-453	-454	-455	-456	-457	-458	-459	-460	-461	-462	-463	-464	-465	-466	-467	-468	-469	-470	-471	-472	-473	-474	-475	-476	-477	-478	-479	-480	-481	-482	-483	-484	-485	-486	-487	-488	-489	-490	-491	-492	-493	-494	-495	-496	-497	-498	-499	-500	-501	-502	-503	-504	-505	-506	-507	-508	-509	-510	-511	-512	-513	-514	-515	-516	-517	-518	-519	-520	-521	-522	-523	-524	-525	-526	-527	-528	-529	-530	-531	-532	-533	-534	-535	-536	-537	-538	-539	-540	-541	-542	-543	-544	-545	-546	-547	-548	-549	-550	-551	-552	-553	-554	-555	-556	-557	-558	-559	-560	-561	-562	-563	-564	-565	-566	-567	-568	-569	-570	-571	-572	-573	-574	-575	-576	-577	-578	-579	-580	-581	-582	-583	-584	-585	-586	-587	-588	-589	-590	-591	-592	-593	-594	-595	-596	-597	-598	-599	-600	-601	-602	-603	-604	-605	-606	-607	-608	-609	-610	-611	-612	-613	-614	-615	-616	-617	-618	-619	-620	-621	-622	-623	-624	-625	-626	-627	-628	-629	-630	-631	-632	-633	-634	-635	-636	-637	-638	-639	-640	-641	-642	-643	-644	-645	-646	-647	-648	-649	-650	-651	-652	-653	-654	-655	-656	-657	-658	-659	-660	-661	-662	-663	-664	-665	-666	-667	-668	-669	-670	-671	-672	-673	-674	-675	-676	-677	-678	-679	-680	-681	-682	-683	-684	-685	-686	-687	-688	-689	-690	-691	-692	-693	-694	-695	-696	-697	-698	-699	-700	-701	-702	-703	-704	-705	-706	-707	-708	-709	-710	-711	-712	-713	-714	-715	-716	-717	-718	-719	-720	-721	-722	-723	-724	-725	-726	-727	-728	-729	-730	-731	-732	-733	-734	-735	-736	-737	-738	-739	-740	-741	-742	-743	-744	-745	-746	-747	-748	-749	-750	-751	-752	-753	-754	-755	-756	-757	-758	-759	-760	-761	-762	-763	-764	-765	-766	-767	-768	-769	-770	-771	-772	-773	-774	-775	-776	-777	-778	-779	-780	-781	-782	-783	-784	-785	-786	-787	-788	-789	-790	-791	-792	-793	-794	-795	-796	-797	-798	-799	-800	-801	-802	-803	-804	-805	-806	-807	-808	-809	-810	-811	-812	-813	-814	-815	-816	-817	-818	-819	-820	-821	-822	-823	-824	-825	-826	-827	-828	-829	-830	-831	-832	-833	-834	-835	-836	-837	-838	-839	-840	-841	-842	-843	-844	-845	-846	-847	-848	-849	-850	-851	-852	-853	-854	-855	-856	-857	-858	-859	-860	-861	-862	-863	-864	-865	-866	-867	-868	-869	-870	-871	-872	-873	-874	-875	-876	-877	-878	-879	-880	-881	-882	-883	-884	-885	-886	-887	-888	-889	-890	-891	-892	-893	-894	-895	-896	-897	-898	-899	-900	-901	-902	-903	-904	-905	-906	-907	-908	-909	-910	-911	-912	-913	-914	-915	-916	-917	-918	-919	-920	-921	-922	-923	-924	-925	-926	-927	-928	-929	-930	-931	-932	-933	-934	-935	-936	-937	-938	-939	-940	-941	-942	-943	-944	-945	-946	-947	-948	-949	-950	-951	-952	-953	-954	-955	-956	-957	-958	-959	-960	-961	-962	-963	-964	-965	-966	-967	-968	-969	-970	-971	-972	-973	-974	-975	-976	-977	-978	-979	-980	-981	-982	-983	-984	-985	-986	-987	-988	-989	-990	-991	-992	-993	-994	-995	-996	-997	-998	-999	-1000	-1001	-1002	-1003	-1004	-1005	-1006	-1007	-1008	-1009	-1010	-1011	-1012	-1013	-1014	-1015	-1016	-1017	-1018	-1019	-1020	-1021	-1022	-1023	-1024	-1025	-1026	-1027	-1028	-1029	-1030	-1031	-1032	-1033	-1034	-1035	-1036	-1037	-1038	-1039	-1040	-1041	-1042	-1043	-1044	-1045	-1046	-1047	-1048	-1049	-1050	-1051	-1052	-1053	-1054	-1055	-1056	-1057