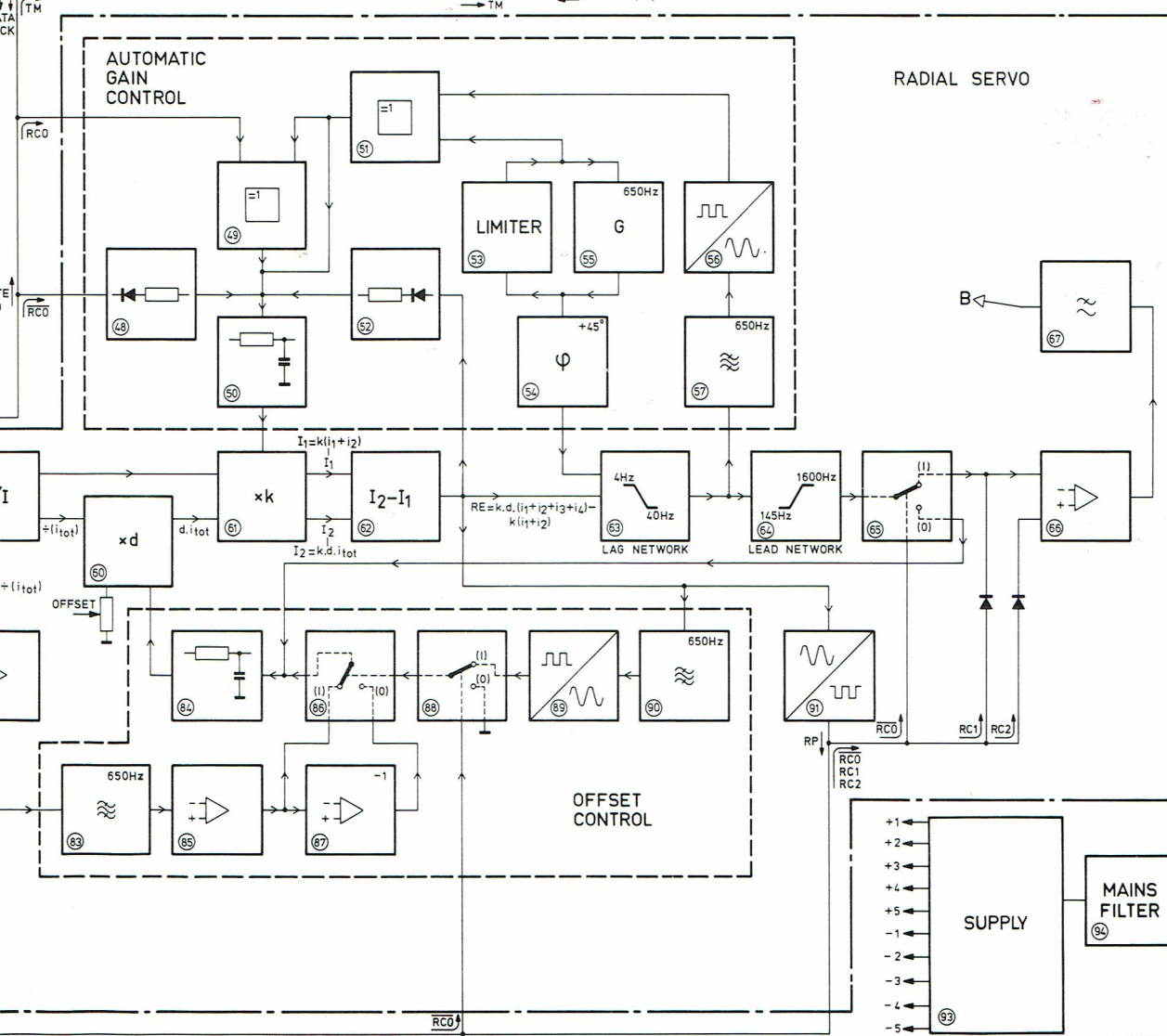
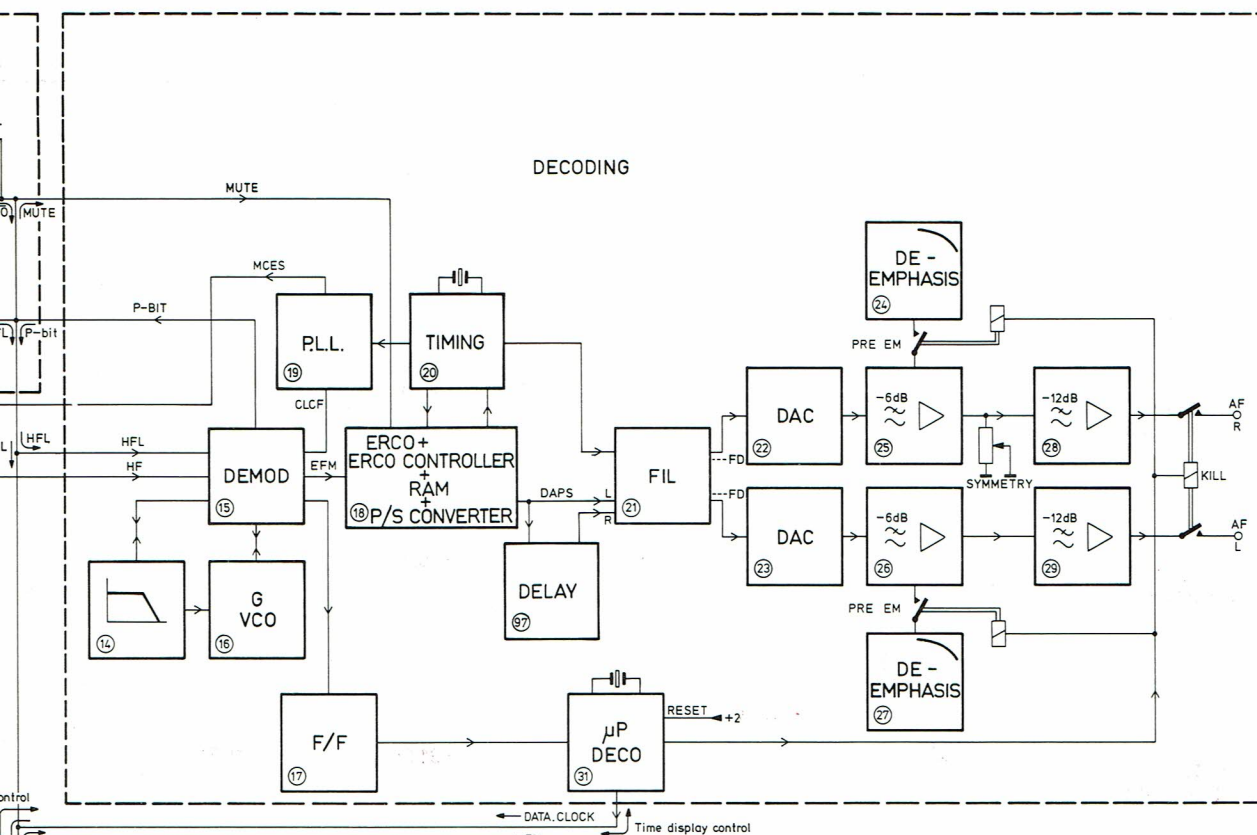
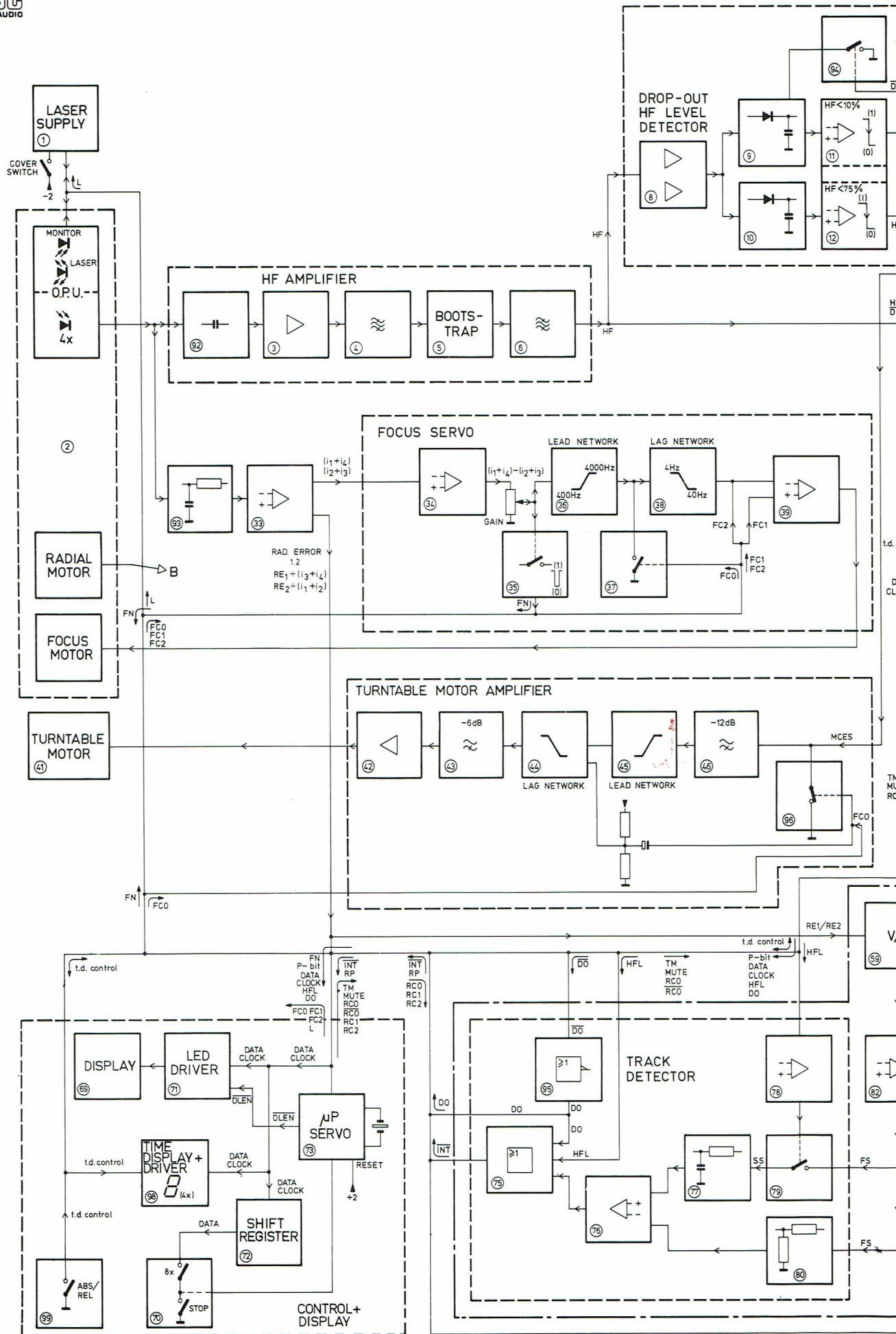
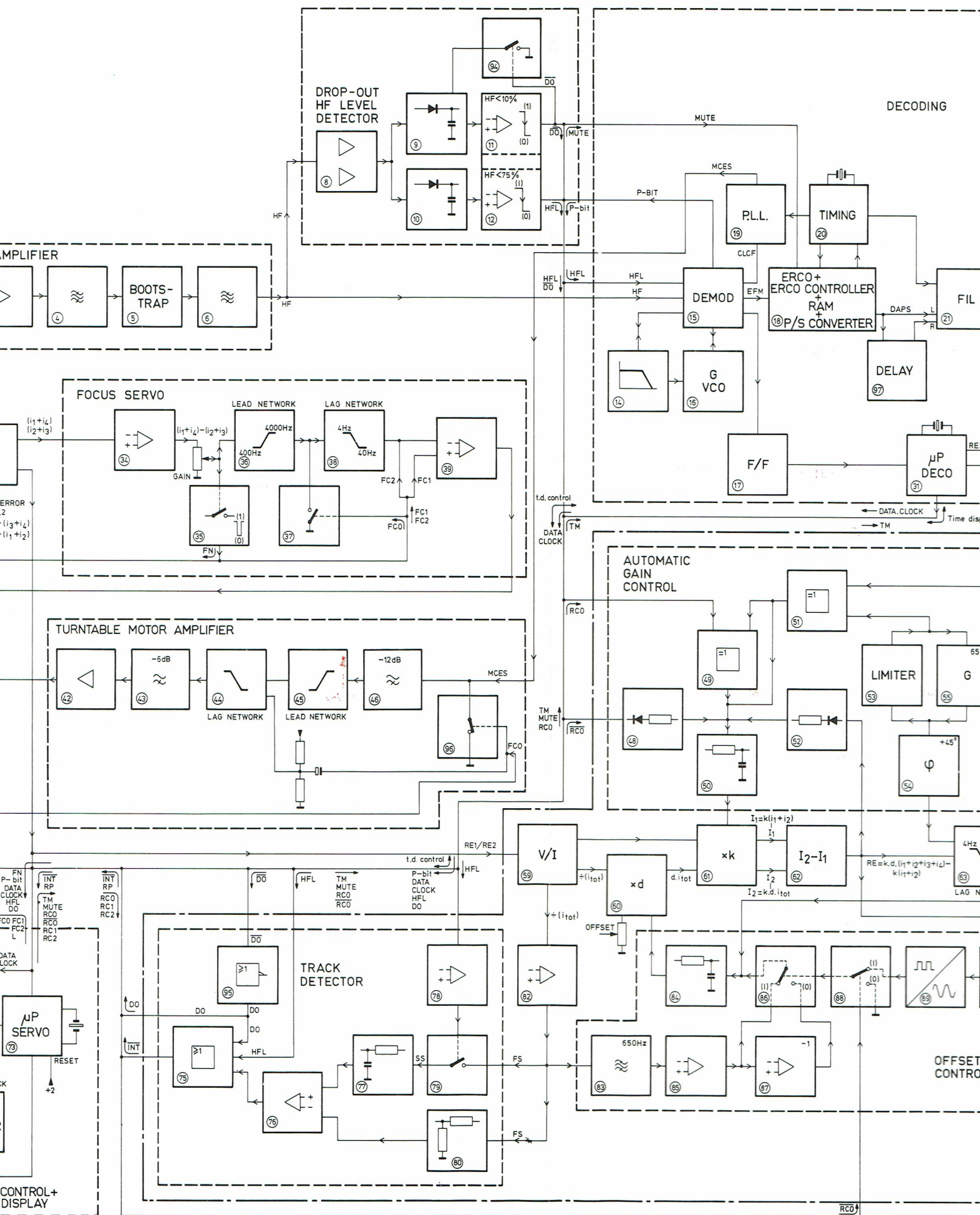
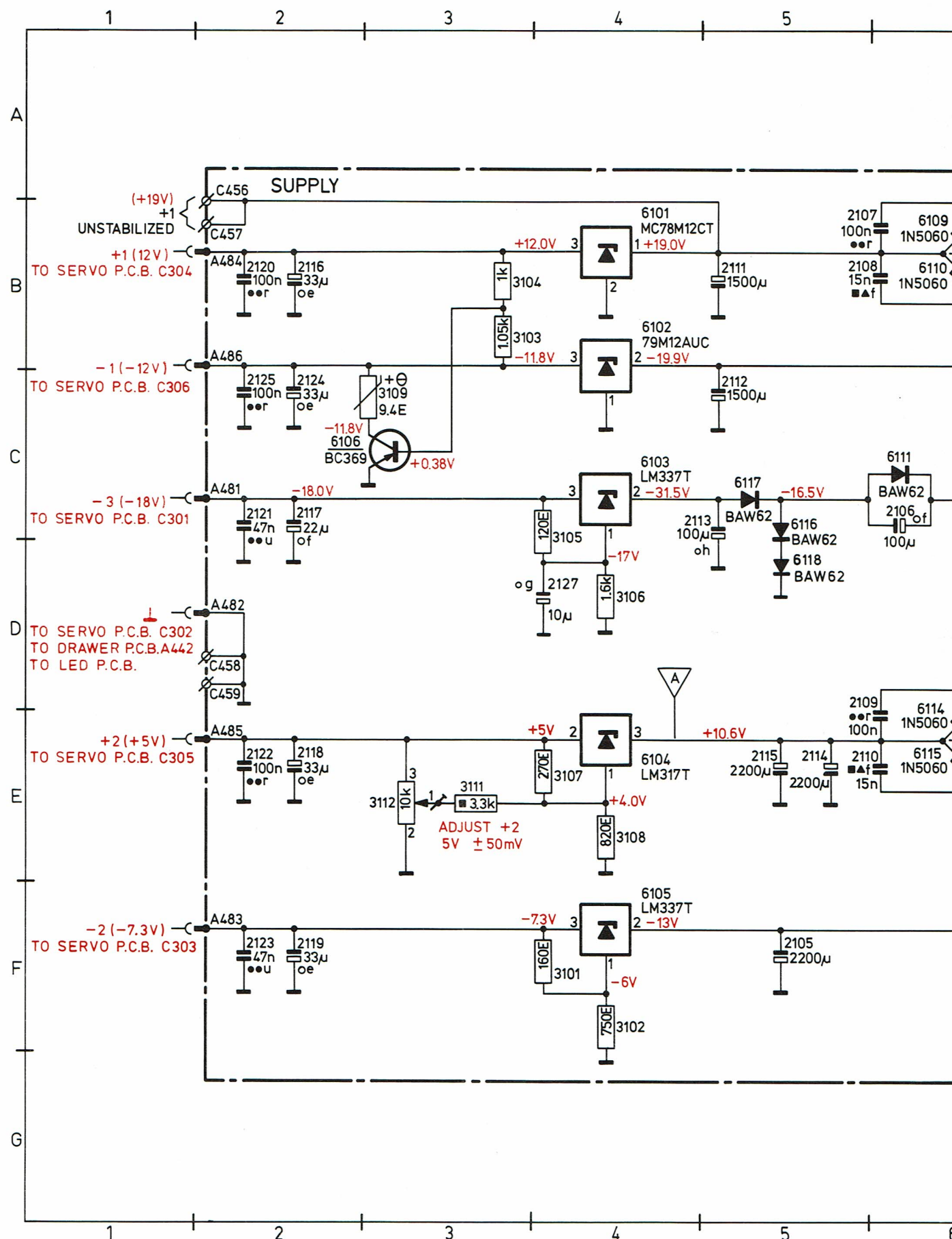


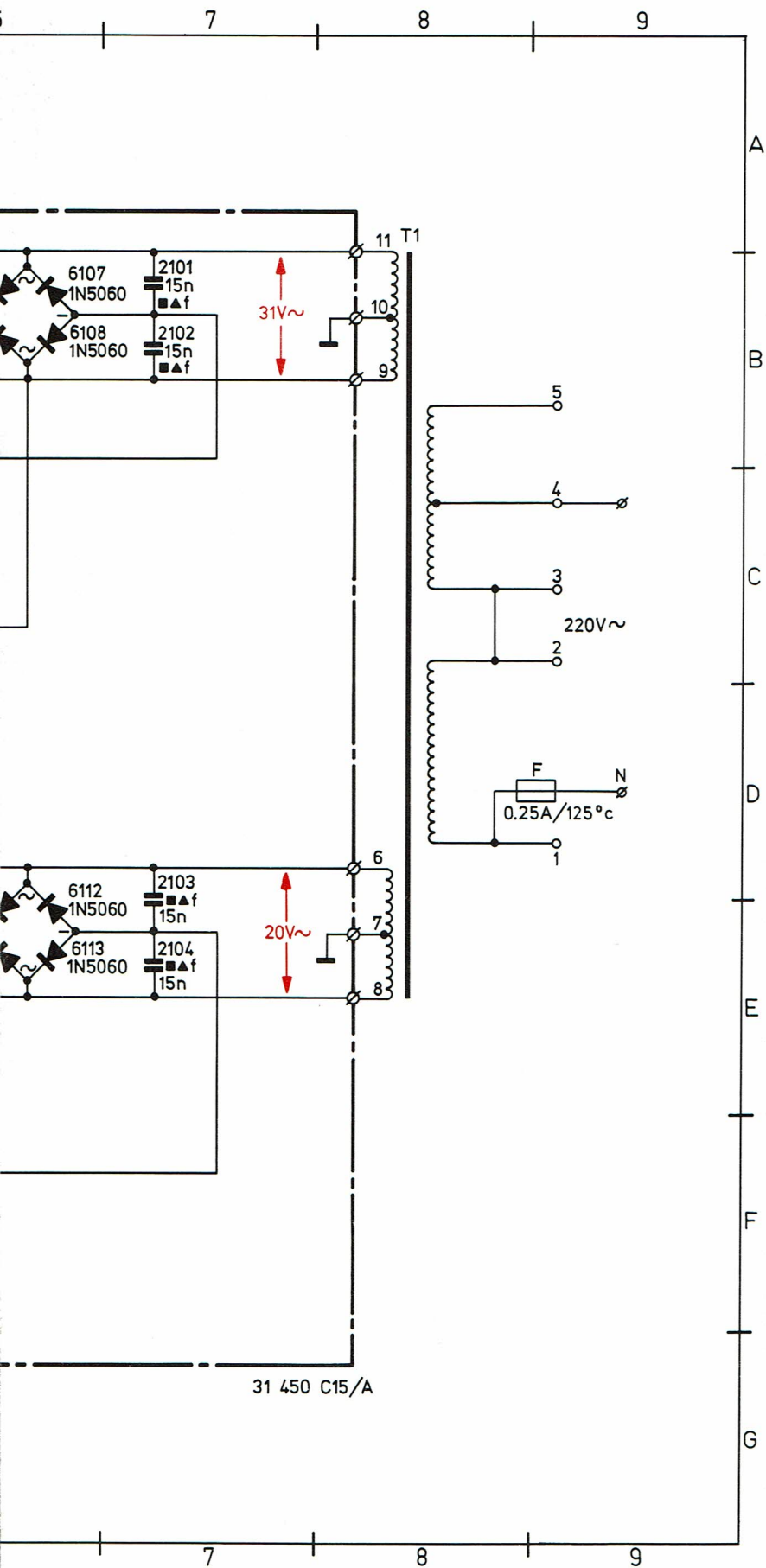


32 743E12

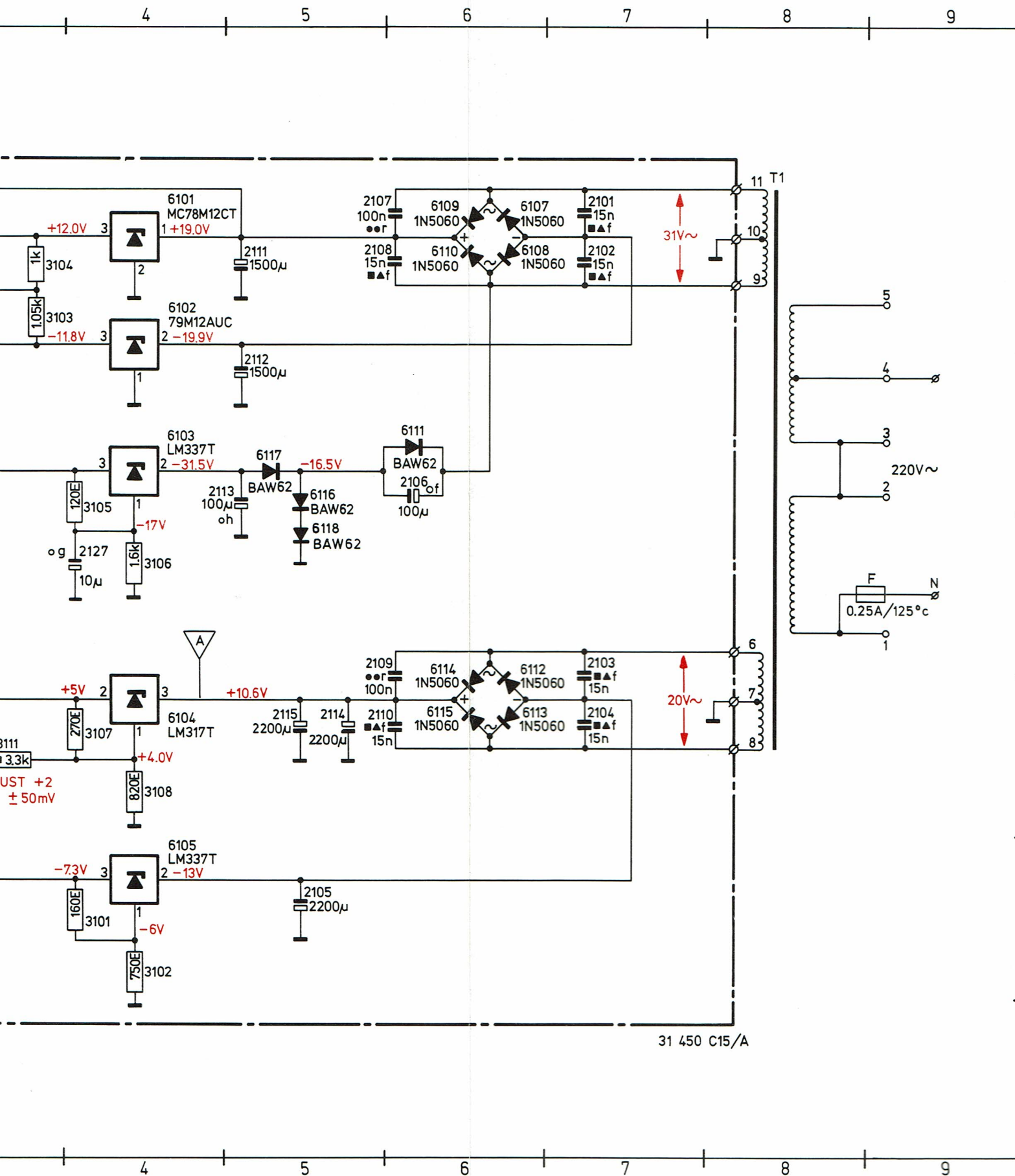


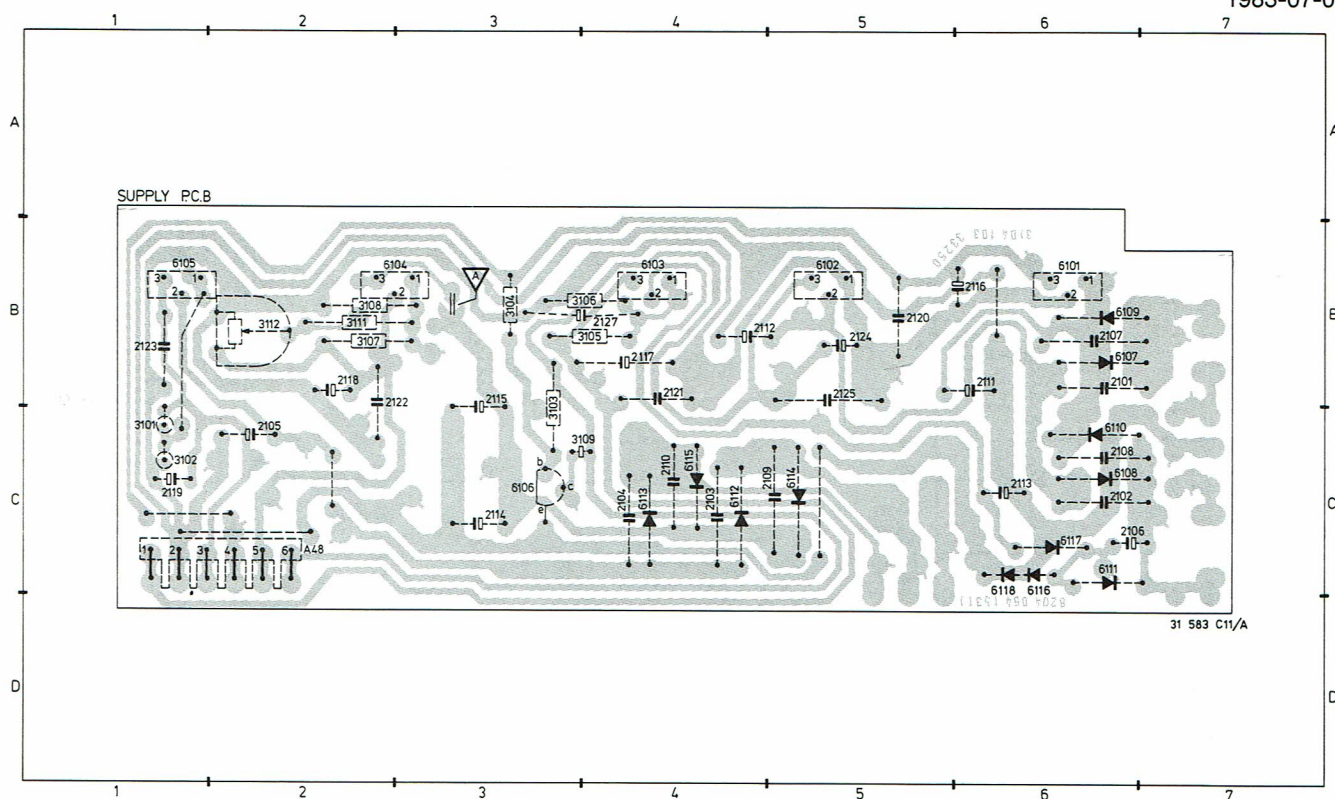






ITEM	CD
T1	A08
2101	B07
2102	B07
2103	D07
2104	E07
2105	F05
2106	C06
2107	B05
2108	B05
2109	D05
2110	E05
2111	B05
2112	C05
2113	C04
2114	E05
2115	E05
2116	B02
2117	C02
2118	E02
2119	F02
2120	B02
2121	C02
2122	E02
2123	F02
2124	C02
2125	C02
2127	D03
3101	F04
3102	F04
3103	B03
3104	B03
3105	C04
3106	D04
3107	E04
3108	E04
3109	C03
3111	E03
3112	E03
6101	B04
6102	B04
6103	C04
6104	E04
6105	F04
6106	C02
6107	B06
6108	B06
6109	B06
6110	B06
6111	C06
6112	D06
6113	E06
6114	D06
6115	E06
6116	C05
6117	C05
6118	D05

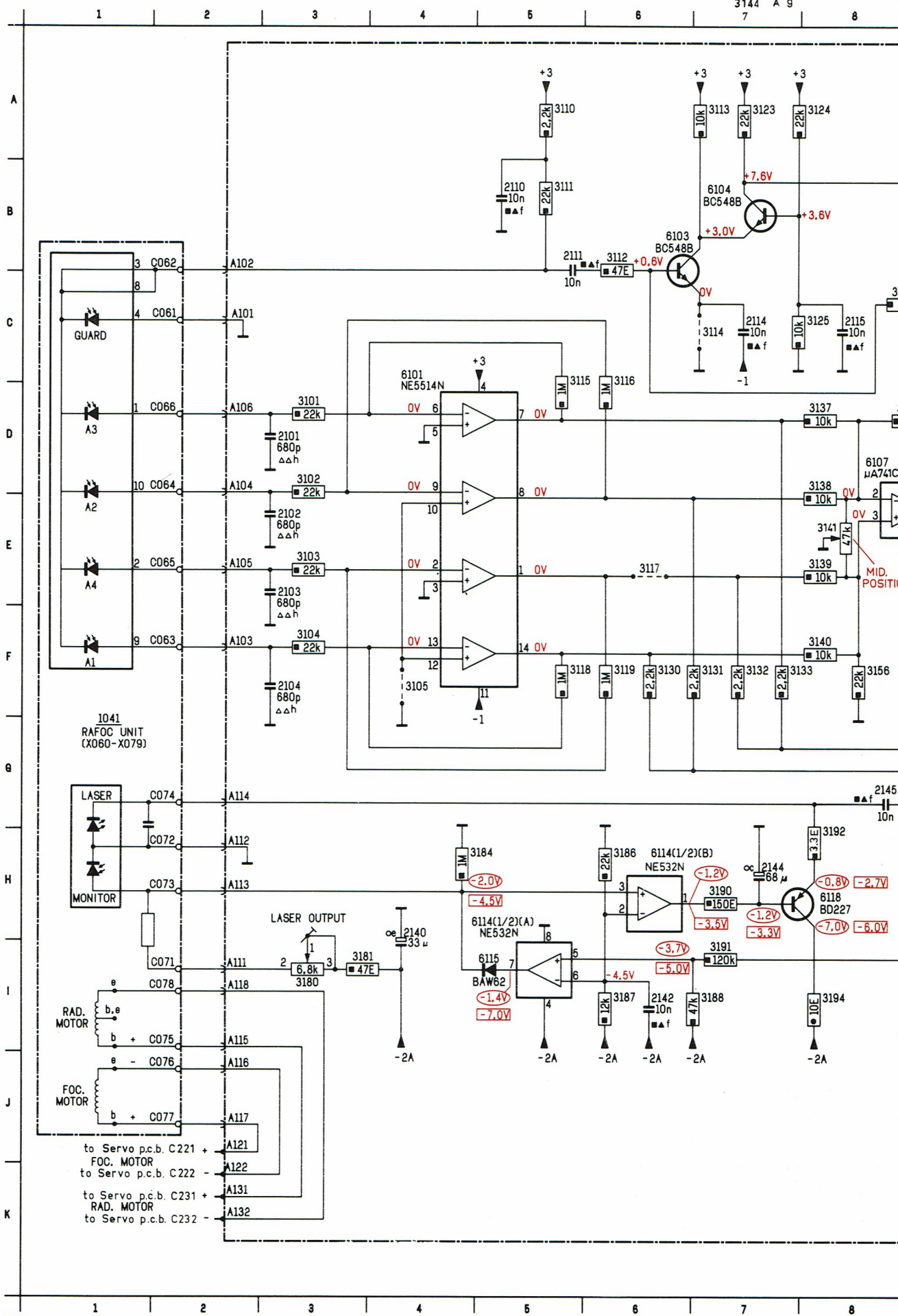




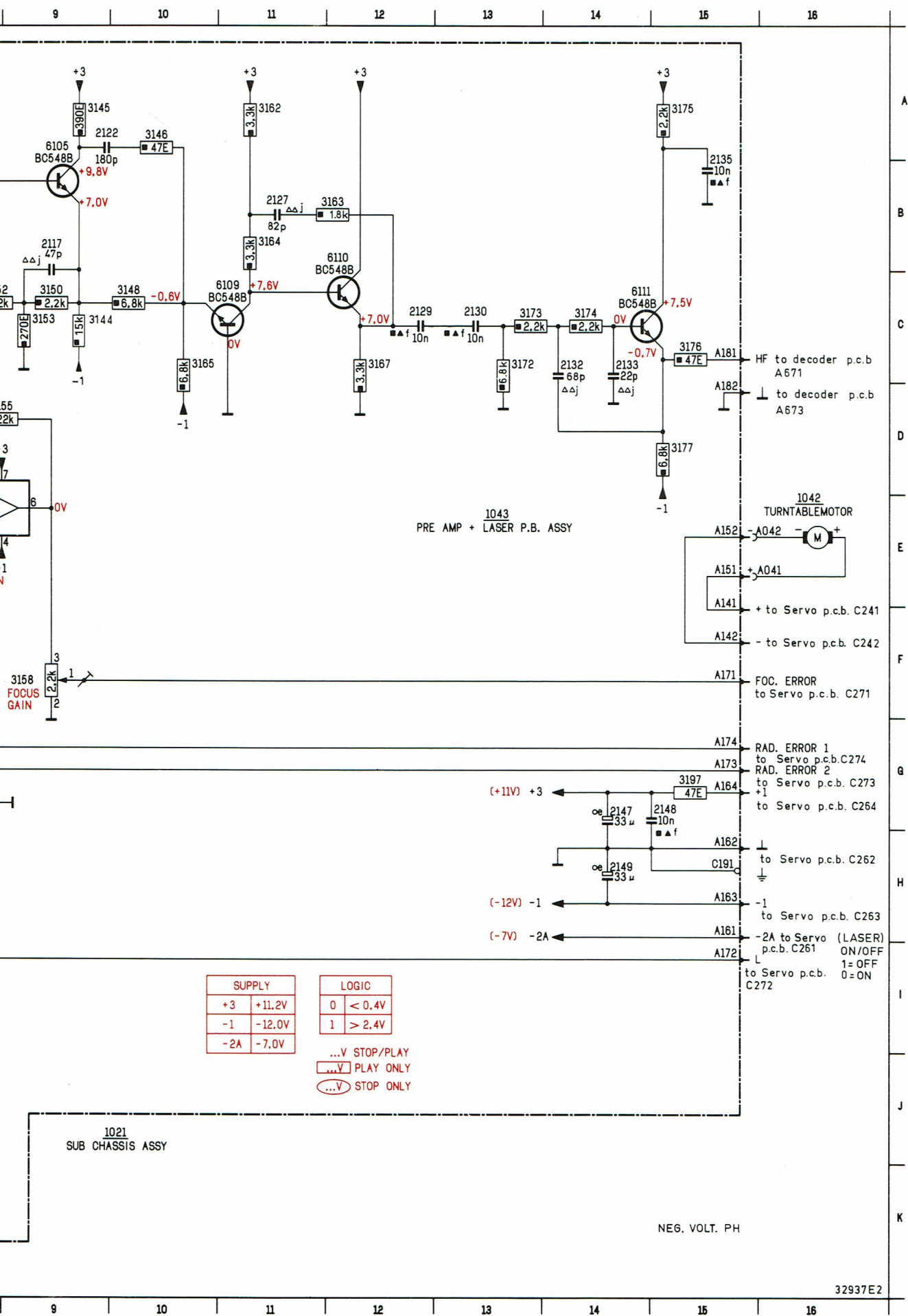
3101	160E - 1% MR	5322 116 50417
3102	750E - 1% MR	4822 116 51234
3103	1.05k - 1% MR	5322 116 55286
3104	1k - 1% MR	4822 116 51235
3105	120E - 1% NFR	4822 111 30537
3106	1.6k - 1% MR	4822 116 51241
3107	270E - 1% MR	4822 116 51225
3108	820E - 1% MR	5322 116 54541
3109	9.4E - P.T.C.	4822 116 40031
F	0.25 A/125°C	4822 252 20007
Miscellaneous		
Mica washer		4822 255 40161
Insulating jig		4822 403 51043
Spring clip		4822 492 62828
2105, 2114, } 2115	2200 μ - 16 V	4822 124 40723
2111, 2112	1500 μ - 25 V	4822 124 40432

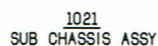
ITEM	PCB		
2101	B06	3105	B04
2102	C06	3106	B04
2103	C04	3107	B02
2104	C04	3108	B02
2105	C02	3109	C03
2106	C06	3111	B02
2107	B06	3112	B02
2108	C06	6101	B06
2109	C04	6102	B05
2110	C04	6103	B04
2111	B06	6104	B03
2112	B04	6105	B01
2113	C06	6106	C03
2114	C03	6107	B06
2115	B03	6108	C06
2116	B06	6109	B06
2117	B04	6110	C06
2118	B02	6111	C06
2119	C01	6112	C04
2120	B05	6113	C04
2121	B04	6114	C05
2122	B03	6115	C04
2123	B01	6116	C06
2124	B05	6117	C06
2125	B05	6118	C06
2127	B04		
3101	C01		
3102	C01		
3103	C03		
3104	B03		

2101	D 3	2111	B 5	2127	B11	2135	A15	2147	G14	3103	E 3	3112	B 6	3117	E 6	3125	C 8	3137	D 8	3145	A 9
2102	F 3	2114	C 7	2129	C12	2140	H 4	2148	G15	3104	F 3	3113	A 7	3118	F 5	3130	C 6	3138	D 8	3146	K 1
2103	F 3	2115	C 8	2130	C13	2142	I 6	2149	H14	3105	F 4	3114	C 7	3119	F 6	3131	F 7	3139	D 8	3148	K 1
2104	F 3	2117	B 9	2132	C14	2144	H 7	3101	D 3	3110	A 5	3115	C 5	3123	A 7	3132	F 7	3140	F 8	3152	K 1
2110	B 5	2122	A 9	2133	C14	2145	G 8	3102	D 3	3111	B 5	3116	C 6	3124	A 8	3133	F 8	3141	F 8	3153	C 9



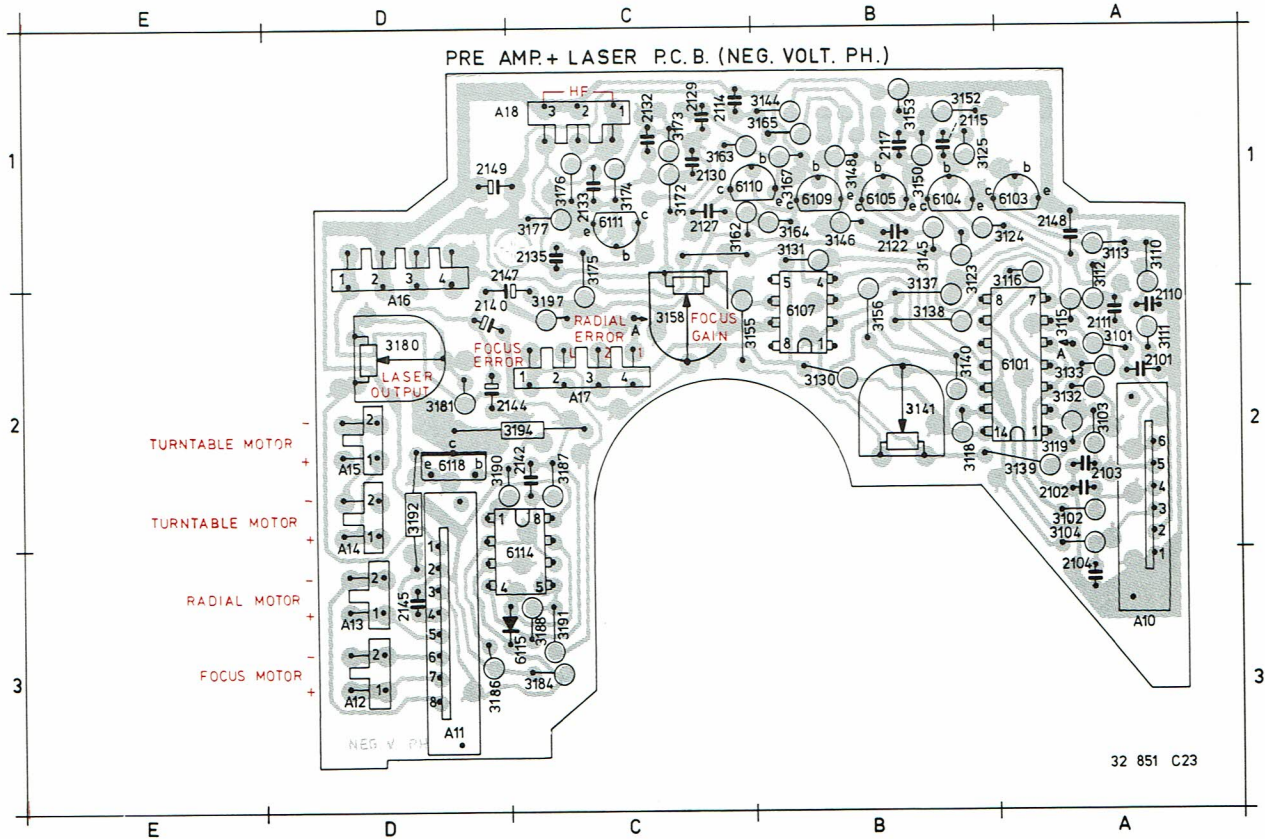
55	D 9	3164	B11	3172	C13	3177	D15	3187	I 6	6104	B 7	6111	C14
56	F 8	3165	C10	3173	C13	3180	I 3	3188	I 7	6105	A 9	6114	H 6
58	F 9			3174	C14	3181	I 3	3190	H 7	6107	D 8	6114	H 5
62	A11	3167	C12	3175	A15	3184	H 5	3191	I 7	6109	C11	6115	I 5
63	B12			3176	C15	3186	H 6	3192	H 8	6110	B12	6118	H 8







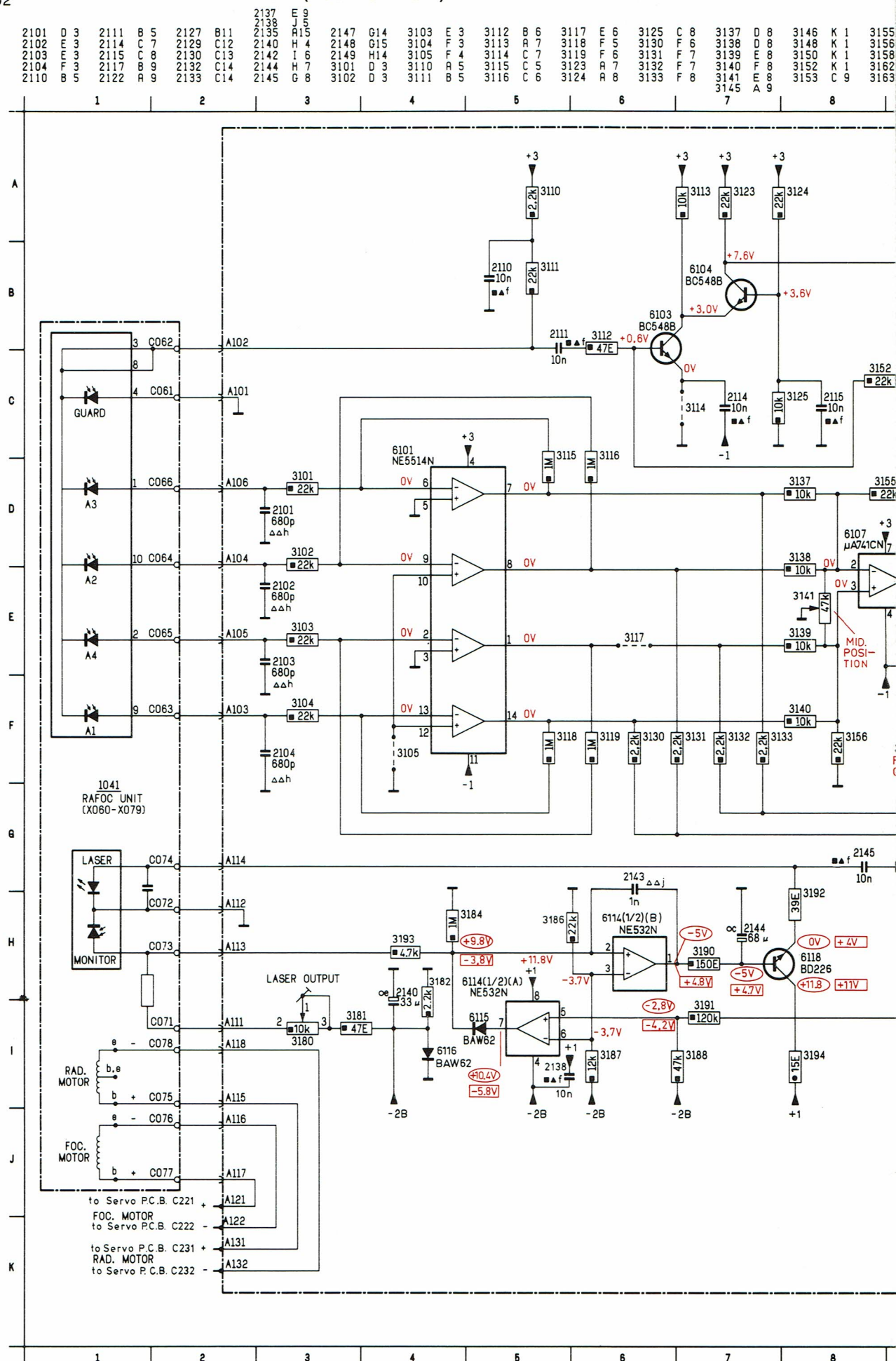
NEG. VOLT. PH. (discrete components)



Pre-amplifier + laser print 4822 214 50307

				
BC548B BD227	4822 130 40937 5322 130 44661	3141 3158 3180	47k 2k2 6k8	4822 100 10598 4822 100 10029 4822 100 10599
				
NE5514N NE532N μ A741CN	4822 209 81451 4822 209 80818 4822 209 80617	2122	180 pF - 5%	4822 122 31962
				
BAW62	4822 130 30613	3197	47E - 5% NFR	4822 111 30526
				
		6p-A10 8p-A11		4822 267 50412 4822 267 50413

PRE. AMPL. + LASER CIRCUIT (POS. VOLT. SH.)



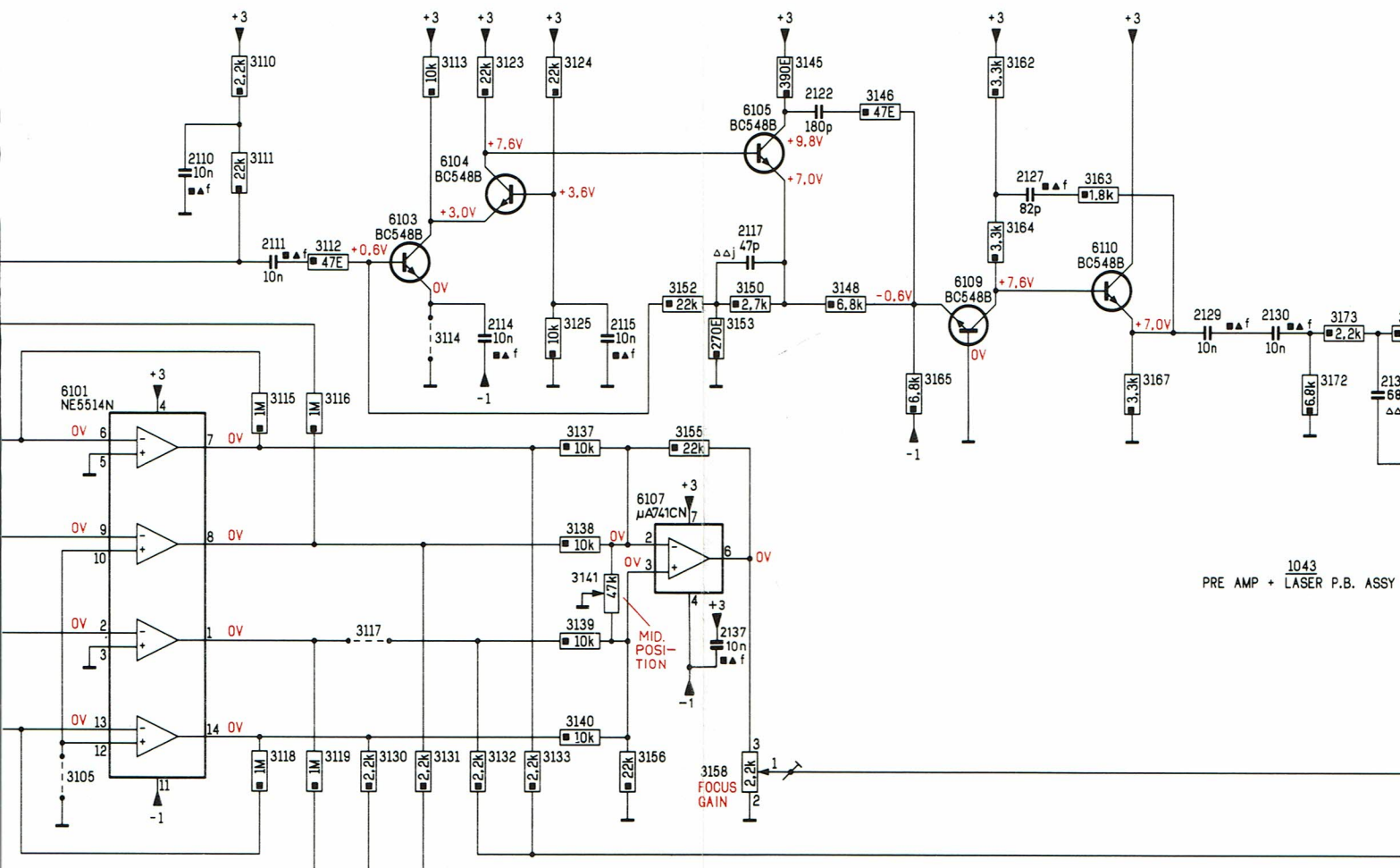
1021
SUB CHASSIS ASSY

POS. VOLT. SH

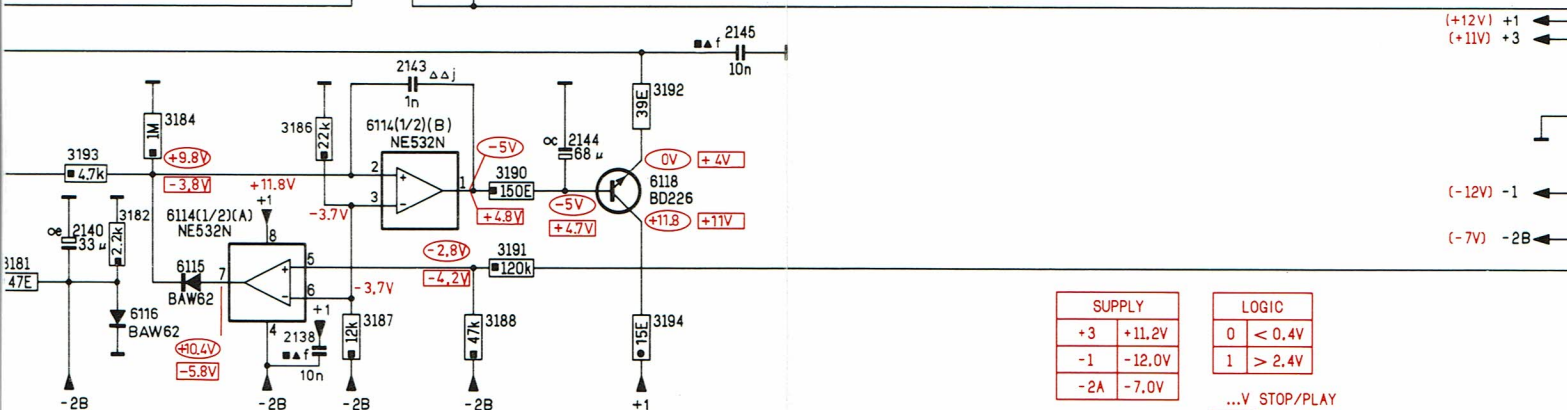
33049E2

. VOLT. SH.)

47	G14	3103	F 3	3112	B 6	3117	F 6	3125	C 8	3137	D 8	3146	K 1	3155	D 9	3164	B11	3172	C13	3177	D15	3187	I 6	3193	H 4	6104	B 7	6111
48	G15	3104	F 3	3113	B 6	3118	F 6	3130	C 8	3138	D 8	3148	K 1	3156	D 9	3165	C10	3173	C13	3180	I 6	3188	I 7	3194	I 8	6105	A 9	6114
49	H14	3105	F 3	3114	B 6	3119	F 6	3131	C 8	3139	D 8	3150	K 1	3158	F 9	3167	C12	3174	C14	3181	I 7	3190	H 7	3195	H14	6107	D 8	6114
01	D 3	3110	B 5	3115	C 6	3123	A 8	3132	F 7	3140	F 8	3152	K 1	3162	R11	3175	R15	3184	R15	3186	H 6	3191	I 7	3197	C15	6109	C11	6115
02	D 3	3111	B 5	3116	C 6	3124	A 8	3133	F 7	3141	F 8	3153	C 9	3163	B12	3176	C15	3186	H 6	3192	H 8	6101	C 4	6107	C 4	6110	B12	6116
		4		5		6		7		8		9		10		11		12		13								



1043
PRE AMP + LASER P.B. ASSY



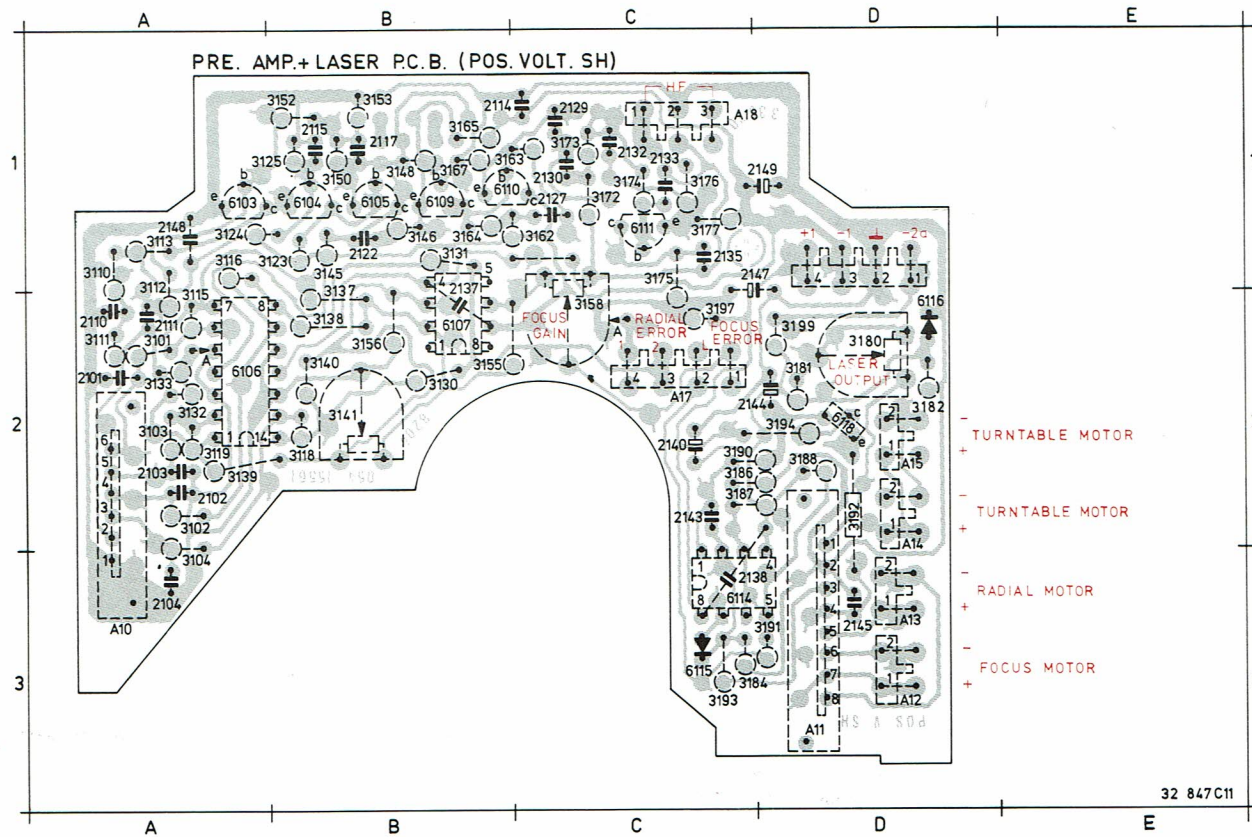
SUPPLY	
+3	+11.2V
-1	-12.0V
-2A	-7.0V

LOGIC	
0	< 0.4V
1	> 2.4V

...V STOP/PLAY
...V PLAY ONLY
...V STOP ONLY

1021
SUB CHASSIS ASSY

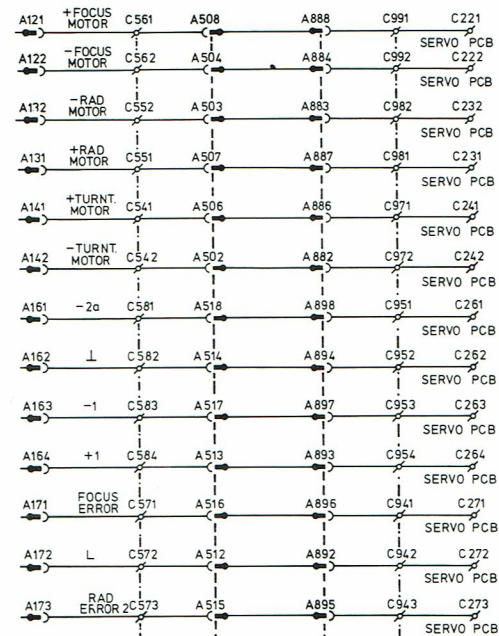
POS. VOLT. SH. (discrete components)



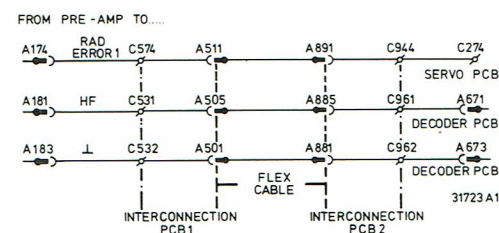
ITEM	PCB		
		3138 B02	
		3139 A02	
		3140 B02	
		3141 B02	
		3145 B01	
2101	A02	3146 B01	
2102	A02	3148 B01	
2103	A02	3150 B01	
2104	A03	3152 B01	
2110	A02	3153 B01	
2111	A02	3155 B02	
2114	B01	3156 B02	
2115	B01	3158 C02	
2117	B01	3162 C01	
2122	B01	3163 B01	
2127	C01	3164 B01	
2130	C01	3165 B01	
2132	C01	3167 B01	
2133	C01	3172 C01	
2135	C01	3173 C01	
2137	B01	3174 C01	
2138	C03	3175 C01	
2140	C02	3176 C01	
2143	C02	3177 C01	
2144	C02	3180 D02	
2145	D03	3181 D02	
2147	C01	3182 D02	
2148	A01	3184 C03	
2149	D01	3186 C02	
3101	A02	3187 C02	
3102	A02	3188 D02	
3103	A02	3190 C02	
3104	A03	3191 D03	
3110	A01	3192 D02	
3111	A02	3193 C03	
3112	A01	3194 D02	
3113	A01	3197 C02	
3115	A02	3199 D02	
3116	A01	6103 A01	
3118	B02	6104 B01	
3119	A02	6105 B01	
3123	B01	6106 A02	
3124	A01	6107 B02	
3125	A01	6109 B02	
3129	C01	6110 B01	
3130	B02	6111 C01	
3131	B01	6114 C03	
3132	A02	6115 C03	
3133	A02	6116 D02	
3137	B01	6118 D02	

See page 8-21

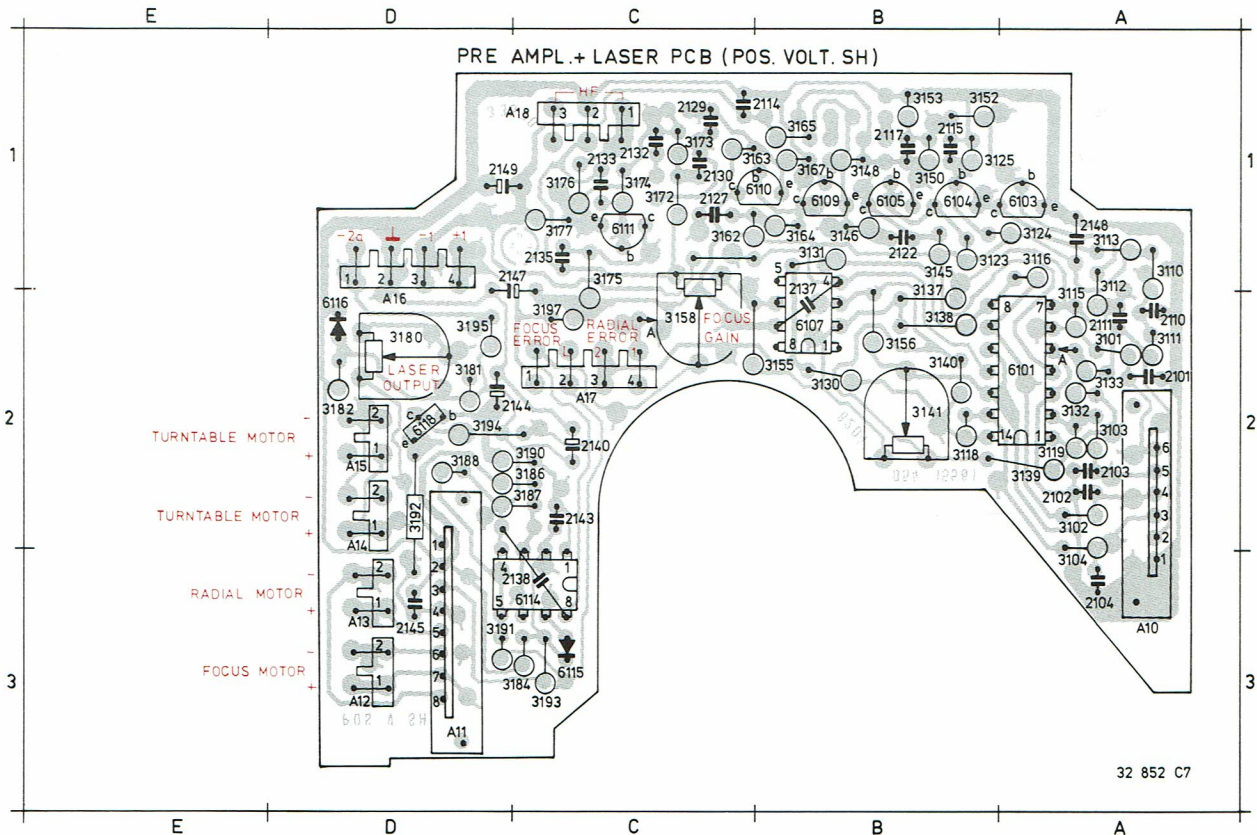
WIRING VIA FLEX CABLES
FROM PRE-AMP PCB TO...



31722 A13

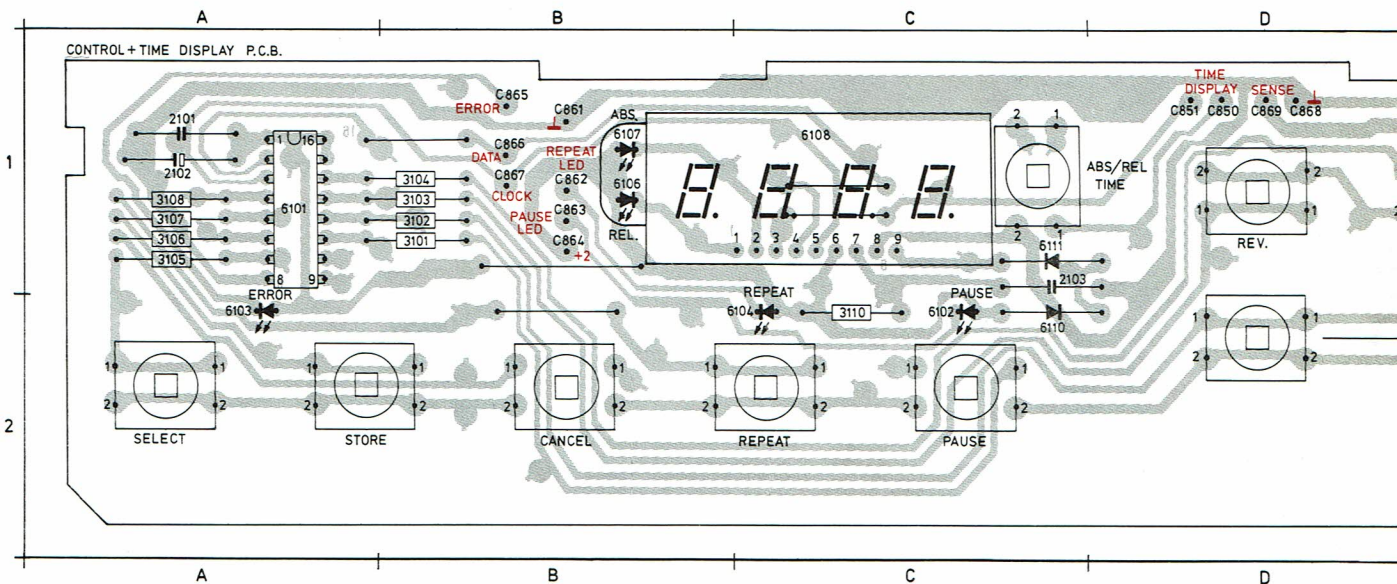
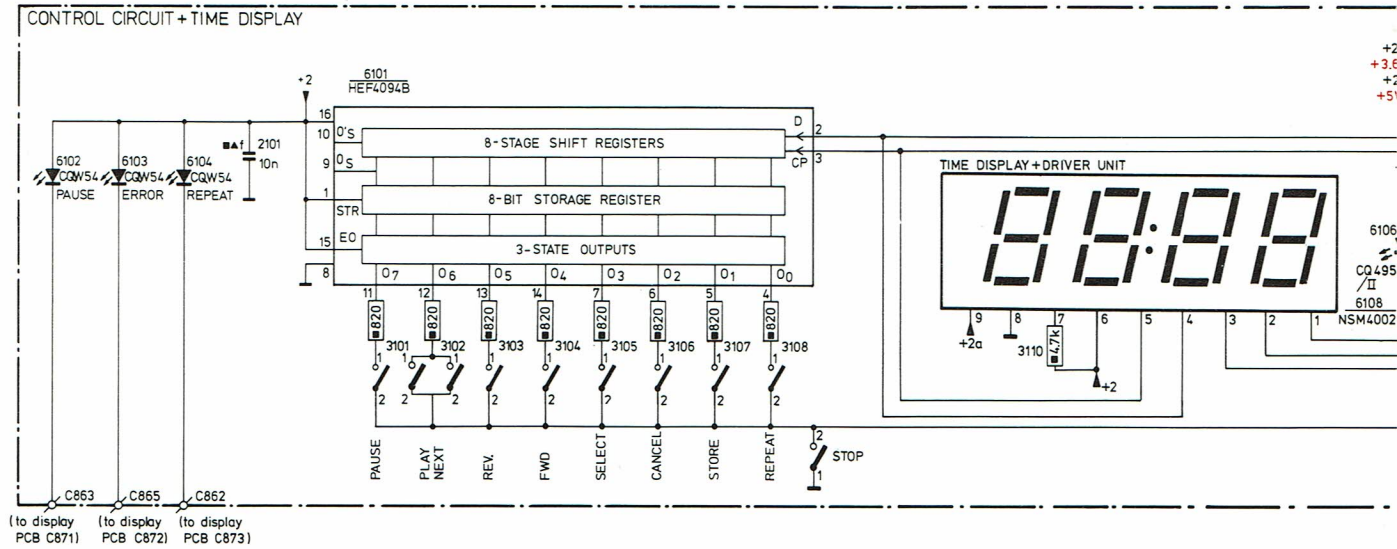


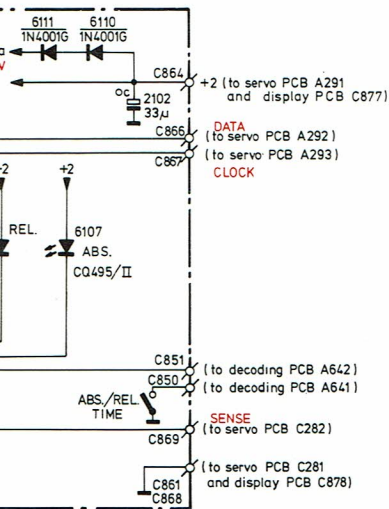
POS. VOLT. SH. (discrete components)



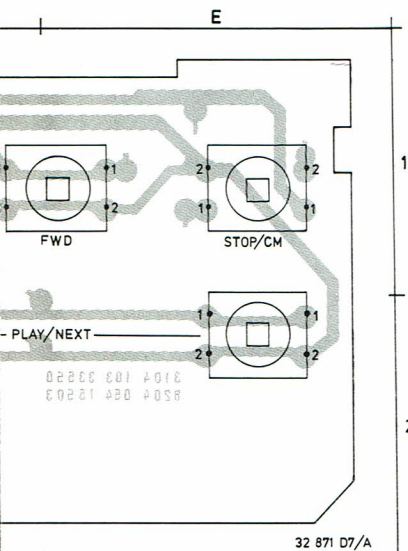
Pre-amplifier + laser print 4822 214 50325

				
BC548B BD226	4822 130 40937 5322 130 44244	3192 3197	39E - PR37 47E - 5% NFR	5322 116 55063 4822 111 30526
				
NE5514N NE532N μ A741CN	4822 209 81451 4822 209 80818 4822 209 80617	3141 3158 3180	47k 2k2 10k	4822 100 10598 4822 100 10029 4822 100 10035
				
BAW62	4822 130 30613	2122	180 pF - 5%	4822 122 31962
				
		6p-A10 8p-A11	4822 267 50412 4822 267 50413	

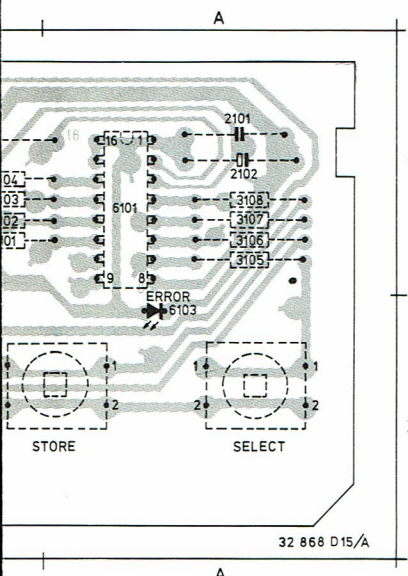




32 768C12/A



32 871 D7/A



32 868 D15/A

ITEM PCB

2101 A01
2102 A01
2103 C01
3101 B01
3102 B01

3103 B01
3104 B01
3105 A01
3106 A01
3107 A01

3108 A01
3110 C02
6101 A01
6102 C02
6103 A02

6104 C02
6106 B01
6107 B01
6108 C01
6110 C02

6111 C01

ITEM PCB

2101 A01
2102 A01
2103 C01
3101 B01
3102 B01

3103 B01
3104 B01
3105 A01
3106 A01
3107 A01

3108 A01
3110 C02
6101 A01
6102 C02
6103 A02

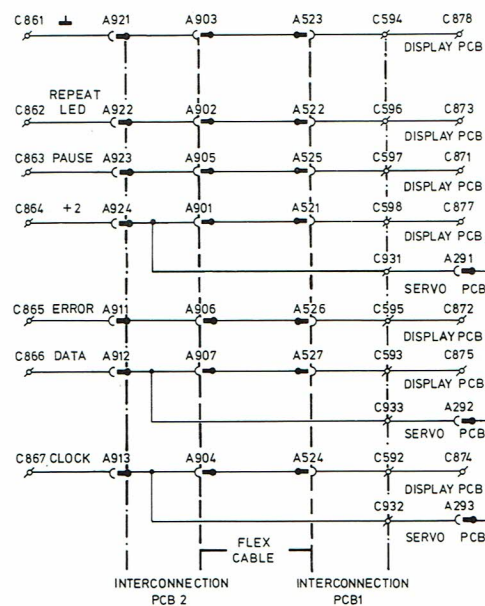
6104 C02
6106 B01
6107 B01
6108 C01
6110 C02

6111 C01

See page 8-21

WIRING VIA FLEX CABLES

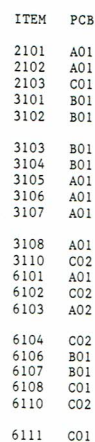
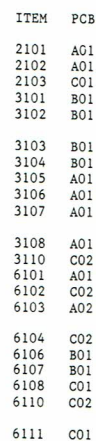
FROM THE CONTROL AND TIME DISPLAY PCB TO.....



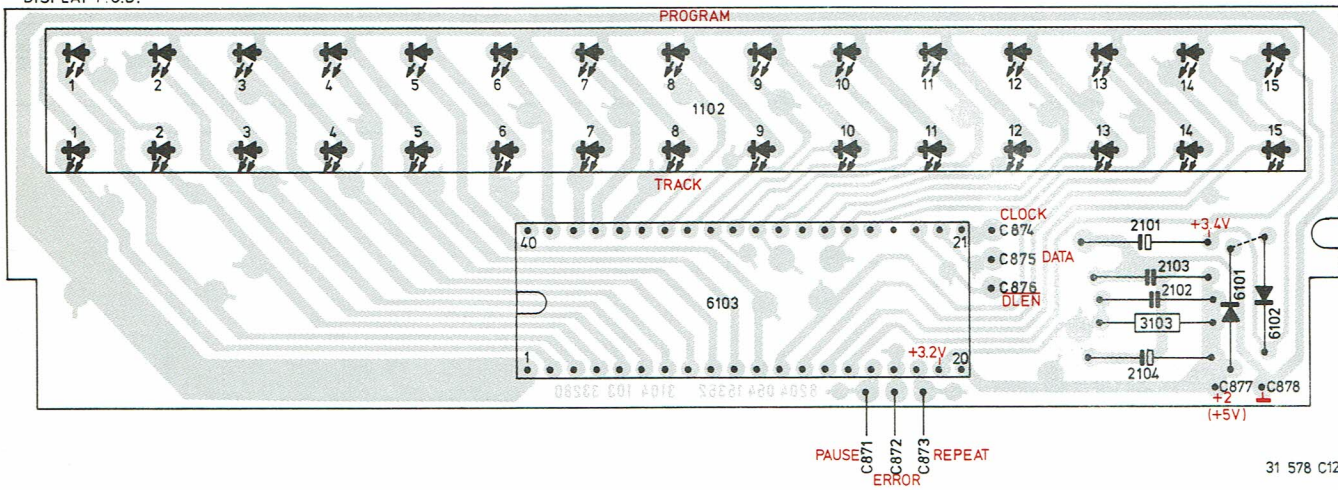
33 251 A12

"Control and time display"

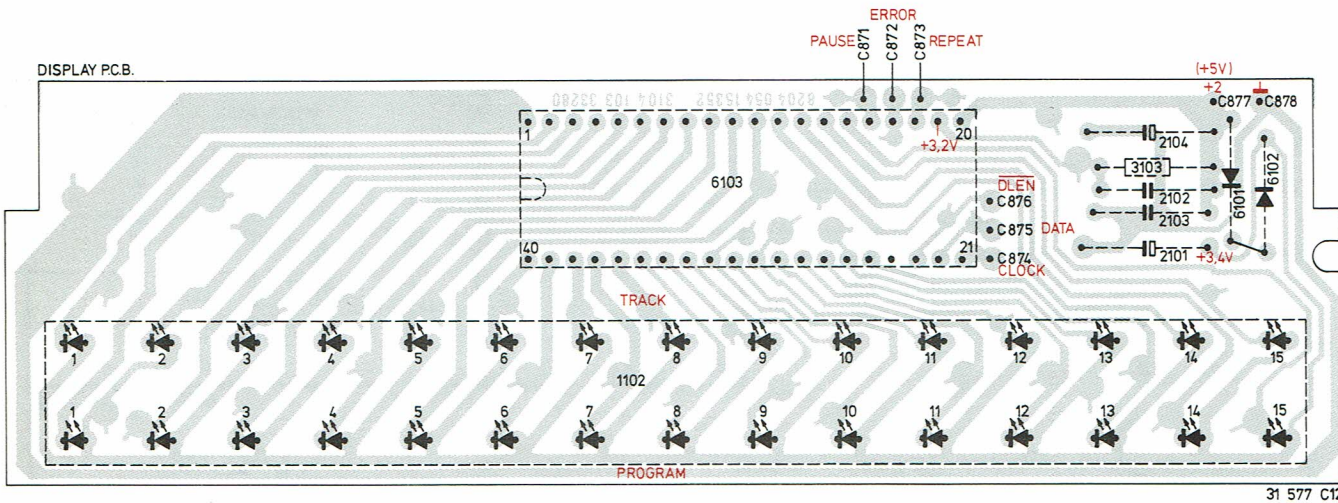
	HEF4094B	5322 209 14485
	CQW54 CQY95/11	4822 130 32069 4822 130 31879
		4822 271 30259
	2102	4822 122 10177
Miscellaneous		
Display NSM 4002 (6108)		4822 130 90141



DISPLAY P.C.B.

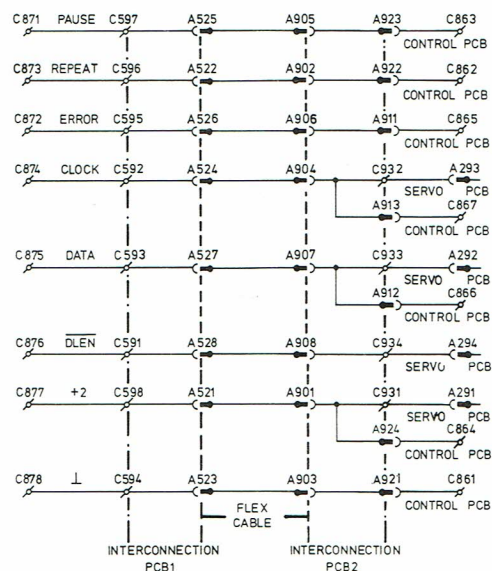


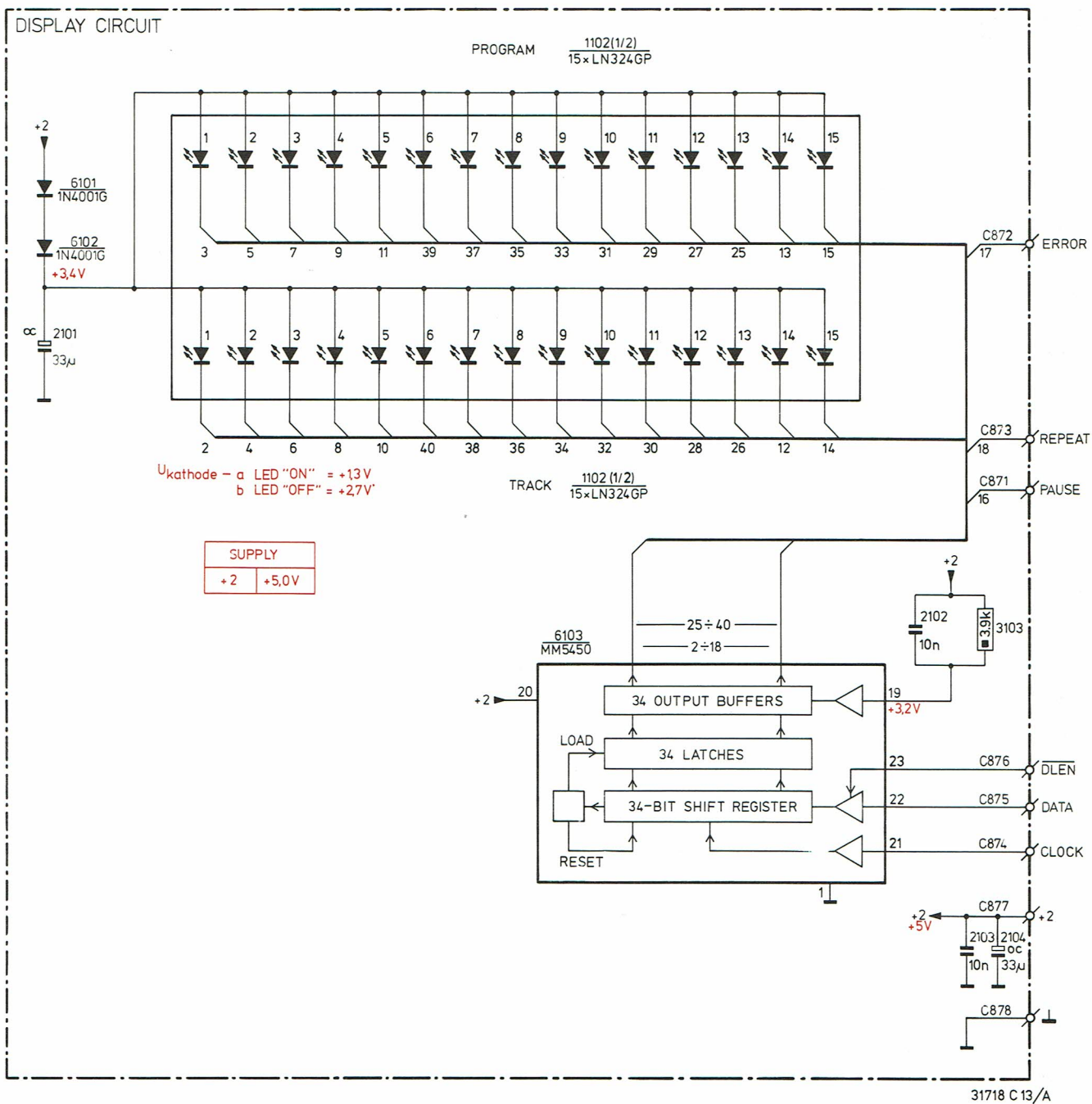
DISPLAY P.C.B.



See page 8-21

WIRING VIA FLEX CABLES
FROM DISPLAY PCB TO.....



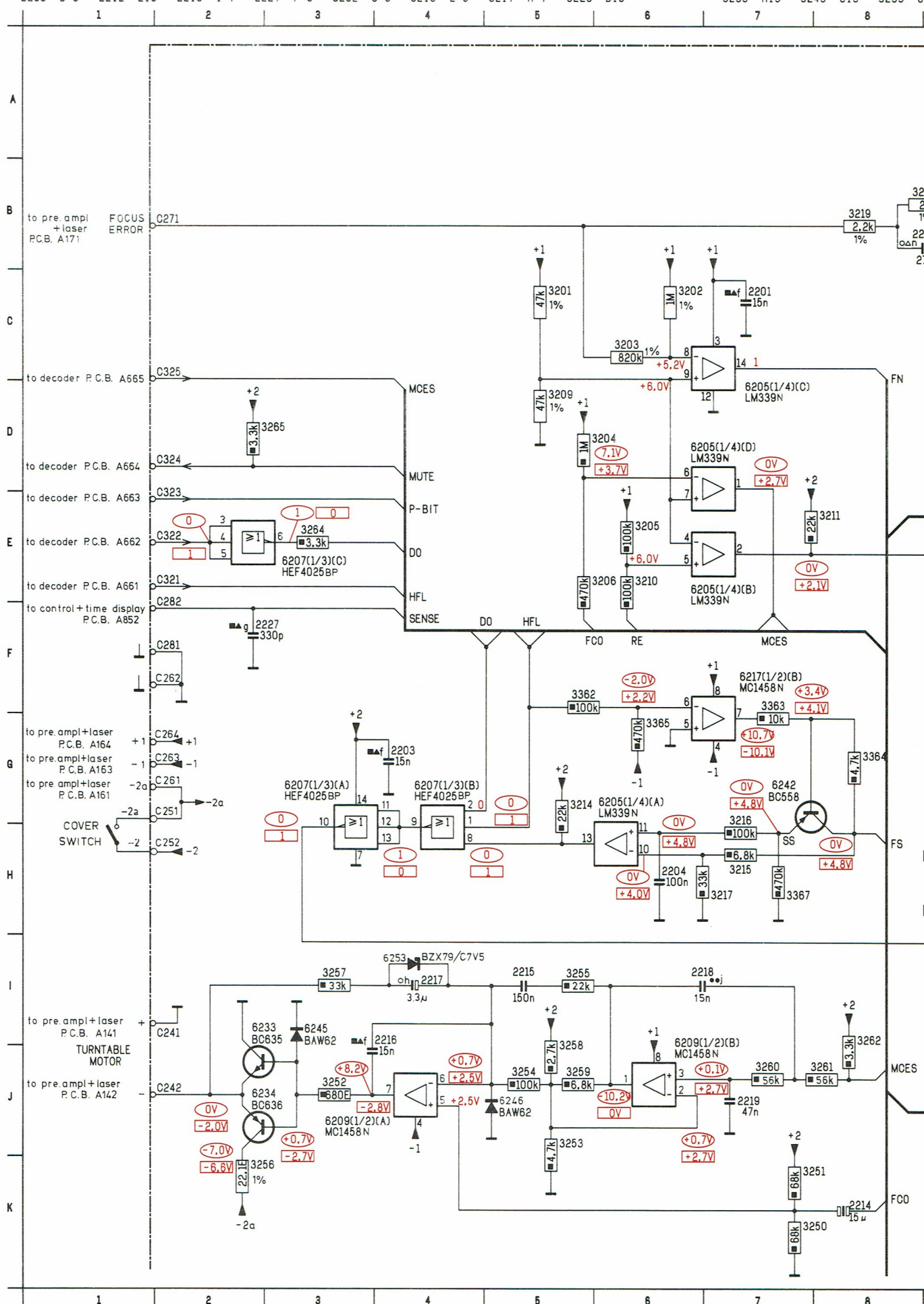


"Display"

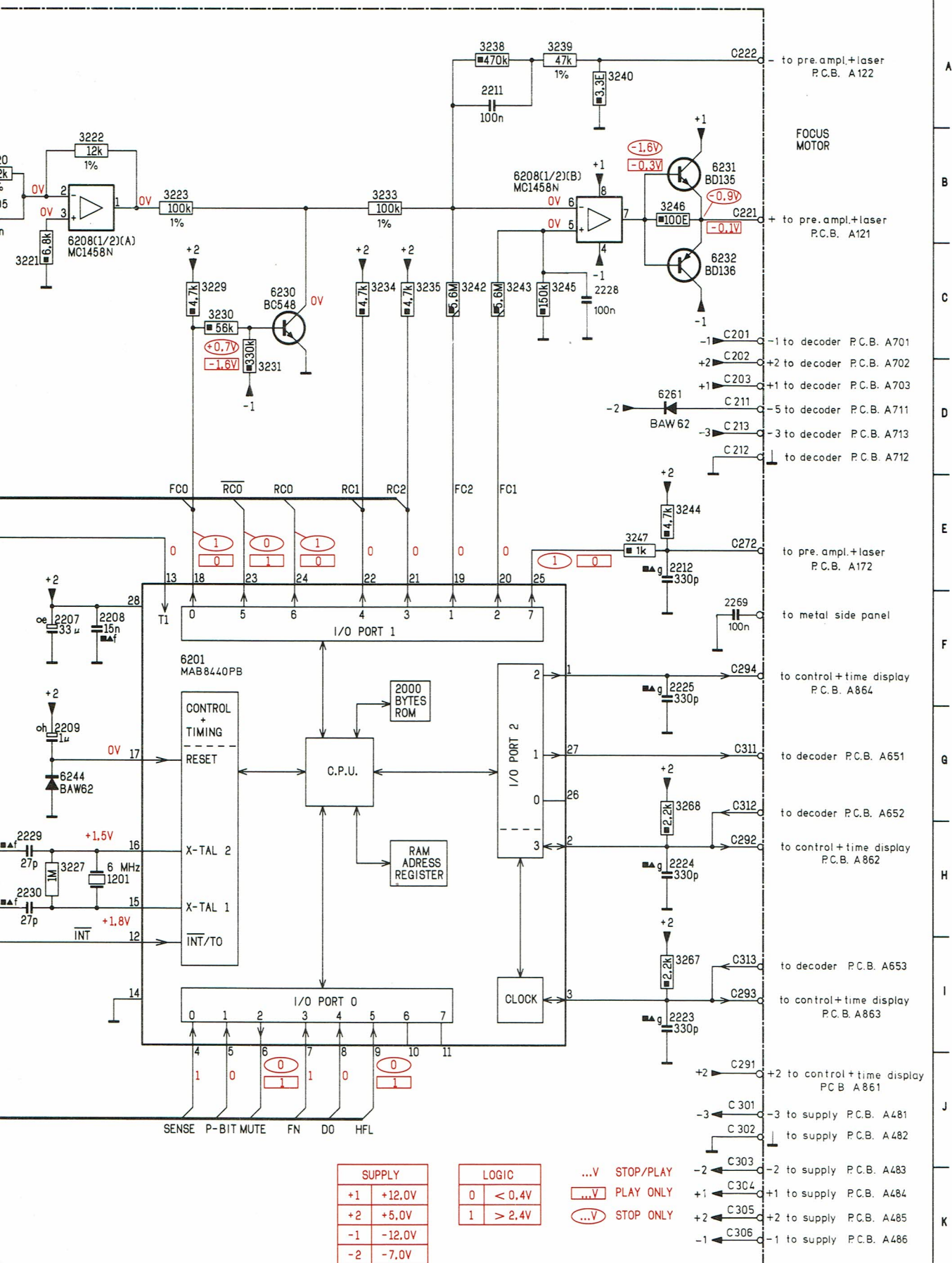
MM5450		4822 209 10199
1N4001G		4822 130 31438
LN324GP		4822 130 31429
2102, 2103	10n - 10%	4822 122 10177

1983-10-20

SERVO 1

[illegible]

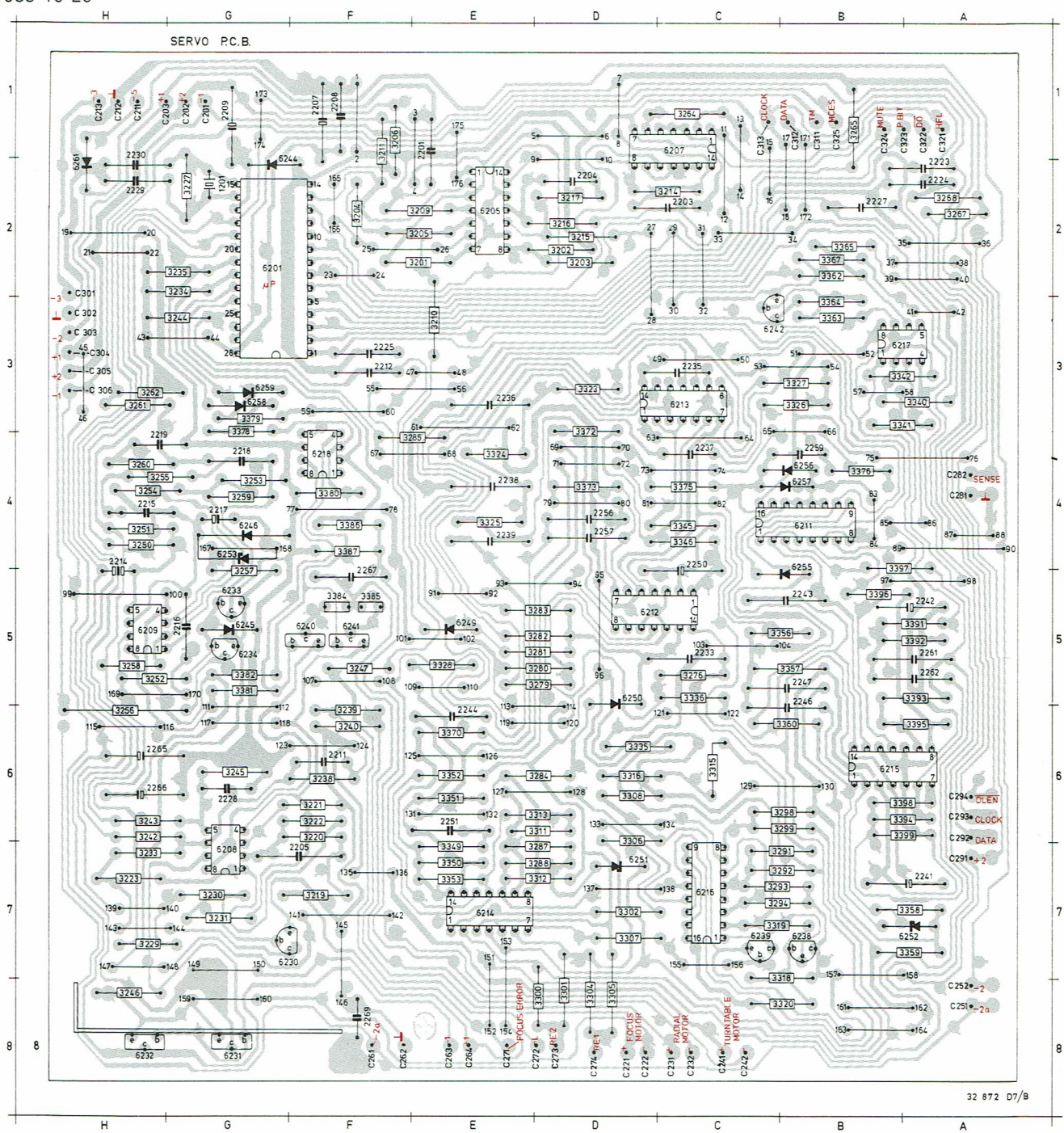
4	3254	J 5	3259	J 5	3255	D 3	3364	G 8	6205	G 6	6207	G 3	6217	F 7	6234	J 3	6253	I 4
8	3255	I 5	3260	J 7	3267	I 15	3365	G 6	6205	D 7	6208	B 13	6230	C 11	6242	G 7	6261	D 14
8	3256	X 3	3261	J 8	3268	G 15	3367	H 7	6205	D 7	6208	B 9	6231	B 15	6244	G 9		
3	3257	I 3	3262	I 8	3362	F 5	6201	F 10	6207	E 3	6209	I 6	6232	C 15	6245	I 3		
5	3258	I 5	3264	E 3	3363	F 7	6205	E 7	6207	G 4	6209	J 3	6233	I 3	6246	J 5		
	9		10		11		12		13		14		15		16			





ITEM	PCB								
1201	G02	3205	E02	3281	D05	3359	A07	6241	F05
2201	E01	3206	F01	3282	D05	3360	B06	6242	C03
2203	C02	3209	E02	3283	D05	3362	B02	6244	G02
2204	D02	3210	E03	3284	D06	3363	B03	6245	G05
2205	F07	3211	F01	3285	E04	3364	B03	6246	G04
2206	G01	3214	C02	3287	D07	3365	B02	6249	E05
2207	F01	3215	D02	3288	D07	3367	B02	6250	D05
2208	F01	3216	D02	3291	B07	3370	E06	6251	D07
2211	F06	3217	D02	3292	B07	3372	D03	6252	A07
2212	F03	3219	F07	3293	B07	3373	D04	6253	G04
2214	H04	3220	F06	3294	B07	3375	C04	6255	B04
2215	H04	3221	F06	3298	B06	3376	B04	6256	B04
2216	G05	3222	F06	3299	B06	3378	G03	6257	B04
2217	G04	3223	H07	3300	D08	3379	G03	6258	G03
2218	G04	3227	G02	3301	D08	3380	F04	6259	G03
2219	H04	3229	H07	3302	D07	3381	G05	6261	H02
2223	A02	3230	G07	3304	D08	3382	G05		
2224	A02	3231	G07	3305	D08	3384	F05		
2225	F03	3233	H07	3306	D06	3385	F05		
2227	B02	3234	G02	3307	D07	3386	F04		
2228	G06	3235	G02	3308	D06	3387	F04		
2229	H02	3238	F06	3311	D06	3391	A05		
2230	H01	3239	F06	3312	D07	3392	A05		
2233	C05	3240	F06	3313	D06	3393	A05		
2235	C03	3242	H06	3315	C06	3394	A06		
2236	E03	3243	H06	3316	D06	3395	A06		
2237	C04	3244	G03	3318	B07	3396	B05		
2238	E04	3245	G06	3319	A05	3397	B04		
2239	E04	3246	H08	3320	B08	3398	A06		
2241	A07	3247	F05	3323	D03	3399	A06		
2242	A05	3250	H04	3324	E04	6201	G03		
2243	B05	3251	H04	3325	E04	6205	E02		
2244	E06	3252	H05	3326	B03	6207	C01		
2246	B05	3253	G04	3327	B03	6208	G07		
2247	B05	3254	H04	3328	E05	6209	H05		
2250	C04	3255	H04	3335	D06	6211	B04		
2251	E06	3256	H06	3336	C05	6212	D05		
2256	D04	3257	G05	3340	A03	6213	C03		
2257	D04	3258	H05	3341	A03	6214	E07		
2259	B04	3259	G04	3342	A03	6215	B06		
2261	A05	3260	H04	3345	C04	6216	C07		
2262	A05	3261	H03	3346	C04	6217	A03		
2265	H06	3262	H03	3349	E07	6218	F04		
2266	H06	3264	C01	3350	E07	6230	F07		
2267	F05	3265	B01	3351	E06	6232	H08		
2269	F08	3267	A02	3352	E06	6233	G05		
3201	E02	3268	A02	3353	E07	6234	G05		
3202	D02	3276	C05	3356	B05	6238	B07		
3203	D02	3279	D05	3357	B05	6239	C07		
3204	F02	3280	D05	3358	A07	6240	F05		

					
HEF4025BP	5322 209 14052			3219	2k2 - 1% MR25 4822 116 51245
LM339N	4822 209 80631			3220	22k - 1% MR25 4822 116 51257
MAB8440/PB	4822 209 10523			3222	12k - 1% MR25 5322 116 50572
MC1458N	5322 209 85512			3223,3233	100k - 1% MR25 4822 116 51268
				3256	22E1 - 1% MR25 5322 116 50256
					
BC548B	4822 130 40937			2204,2211, }	100n - 10% 4822 121 41672
BC558	4822 130 40941			2228	
BC635	5322 130 44349			2215	150n - 10% 4822 121 41682
BC636	4822 130 44283			2219	47n - 10% 4822 121 41676
BD135	4822 130 40823				
BD136	4822 130 40824				
					IC
BAW62	4822 130 30613			28p	4822 255 40156
BZX79/B7V5	4822 130 30861				
				Miscellaneous	
1201	6.0 MHz	4822 242 70392		Mica washer for 6231/32	4822 255 40133
				Spring clip for 6231/32	4822 255 40128
					
3201,3209, }	47k - 1% MR25	5322 116 54671			
3239					
3202	1M - 1% MR25	5322 116 55535			
3203	820k - 1% MR25	5322 116 51398			
3204,3227	1M - 5% SFR25	4822 110 73187			



ITEM PCB					
1201 G02	3205 E02	3281 D05	3359 A07	6240 F05	
2201 E01	3206 F01	3282 D05	3360 B06	6241 F05	
2203 C02	3209 E02	3283 D05	3362 B02	6242 C03	
2204 D02	3210 E03	3284 D06	3363 B03	6244 G02	
2205 F07	3211 F01	3285 E04	3364 B03	6245 G05	
2206 G01	3214 C02	3287 D07	3365 B02	6246 G04	
2207 F01	3215 D02	3288 D07	3367 B02	6249 E05	
2208 F01	3216 D02	3291 B07	3370 E06	6250 D05	
2211 F06	3217 D02	3292 B07	3372 D03	6251 D07	
2212 F03	3219 F07	3293 B07	3373 D04	6252 A07	
2214 H05	3220 F06	3294 B07	3375 C04	6253 G04	
2215 H04	3221 F06	3298 B06	3376 B04	6255 B04	
2216 G05	3222 F06	3299 B06	3378 G04	6256 B04	
2217 G04	3223 H07	3300 D08	3379 G03	6257 B04	
2218 G04	3227 G02	3301 D08	3380 F04	6258 G03	
2219 H04	3229 H07	3302 D07	3381 G05	6259 G03	
2223 A02	3230 G07	3304 D08	3382 G05	6261 H02	
2224 A02	3231 G07	3305 D08	3384 F05		
2225 F03	3233 H07	3306 D06	3385 F05		
2227 B02	3234 G02	3307 D07	3386 F04		
2228 G06	3235 G02	3308 D06	3387 F04		
2229 H02	3238 F06	3311 D06	3391 A05		
2230 H01	3239 F06	3312 D07	3392 A05		
2233 C05	3240 F06	3313 D06	3393 A05		
2235 C03	3242 H06	3315 C06	3394 B06		
2236 E03	3243 H06	3316 D06	3395 A06		
2237 C04	3244 G03	3318 B07	3396 B05		
2238 E04	3245 G06	3319 C07	3397 B04		
2239 E04	3246 C04	3320 B08	3398 B06		
2241 A07	3247 F05	3323 D03	3399 B06		
2242 A05	3250 H04	3324 E04	6201 G02		
2243 B05	3251 H04	3325 E04	6205 E02		
2244 E06	3252 H05	3326 B03	6207 C01		
2246 B05	3253 G04	3327 B03	6208 G07		
2247 B05	3254 H04	3328 E05	6209 H05		
2250 C04	3255 H04	3335 D06	6211 B04		
2251 E06	3256 H06	3336 C05	6212 D05		
2256 D04	3257 G05	3340 A03	6213 C03		
2257 D04	3258 H05	3341 B03	6214 E07		
2259 B04	3259 G04	3342 B03	6215 B06		
2261 A05	3260 H04	3345 C04	6216 C07		
2262 A05	3261 H03	3346 C04	6217 B03		
2265 H06	3262 H03	3349 E07	6218 F04		
2266 H06	3264 C01	3350 E07	6230 F07		
2267 F05	3265 B02	3351 E06	6231 G08		
2269 F08	3267 A02	3352 E06	6232 H08		
3201 E02	3268 A02	3353 E07	6233 G05		
3202 D02	3276 C05	3356 C05	6234 G05		
3203 D02	3279 D05	3357 B05	6238 B07		
3204 F02	3280 D05	3358 A07	6239 C07		

			
HEF4053BP	5322 209 14121	3300,3301, } 10k - 1% MR25	4822 116 51253
HEF4070BP	4822 209 10265	3304,3305 }	
LM324N	4822 209 80587	3311,3312 82k - 1% MR25	5322 116 55374
MC1458N	5322 209 85512	3323 120k - 1% MR25	4822 116 51467
TCA240	4822 209 80629	3324,3325 75k - 1% MR25	4822 116 51267
μA741CN	4822 209 80617	3326 220k - 1% MR25	4822 116 51272
		3328 270k - 1% MR25	4822 116 51885
		3394 330k - 1% MR25	4822 116 51207
BC548B	4822 130 40937	3357 3k9 - 1% MR25	4822 116 51249
BD135	4822 130 40823	3358 360k - 1% MR25	5322 116 55264
BD136	4822 130 40824	3370 27k - 1% MR25	5322 116 54652
BF494	4822 130 44195	3373 180k - 1% MR25	5322 116 54722
		3384,3385 9E4 P.T.C.	4822 116 40031
		3391 5k6 - 1% MR25	4822 116 51281
BAW62	4822 130 30613	3392 13k - 1% MR25	5322 116 50522
BZX79-C2V4	4822 130 31253		
BZX79-C5V1	4822 130 34233		
		2233,2243 470n - 10%	4822 121 41674
3279,3280, } 47k - 1% MR25	5322 116 54671	2237 33n - 10%	4822 121 41675
3282,3283 }		2257,2261, } 6n8 - 1%	4822 121 50538
3287,3288 6k8 - 1% MR25	4822 116 51252	2262 1n8 - 1%	5322 121 54087
3298,3308 470E - 1% MR25	5322 116 54854	2259 22n - 10%	4822 121 41664
3299,3306 2k7 - 1% MR25	4822 116 51283	2267 1000n - 10%	4822 121 41719
		2269 100n - Murata	4822 122 31964