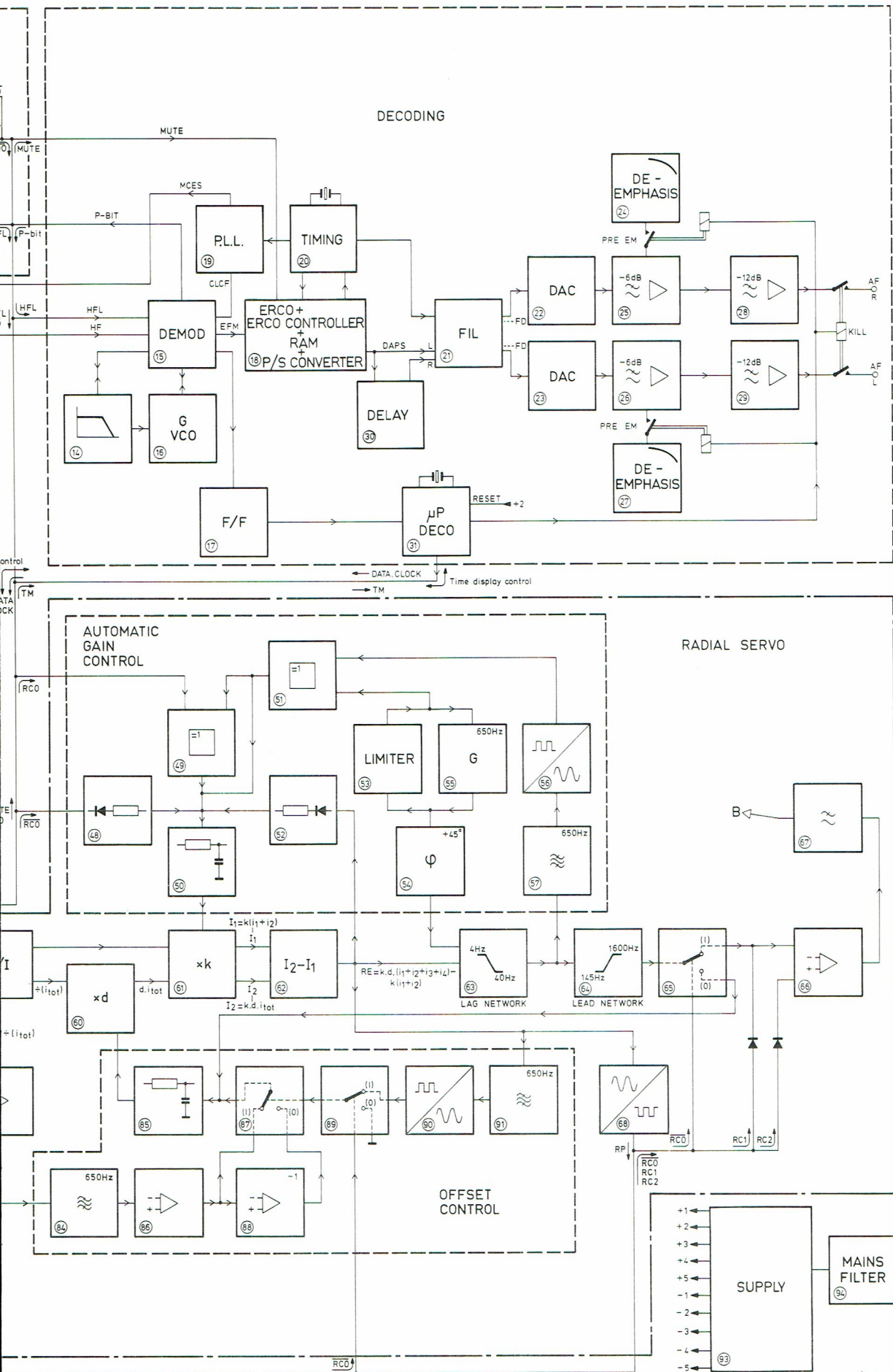
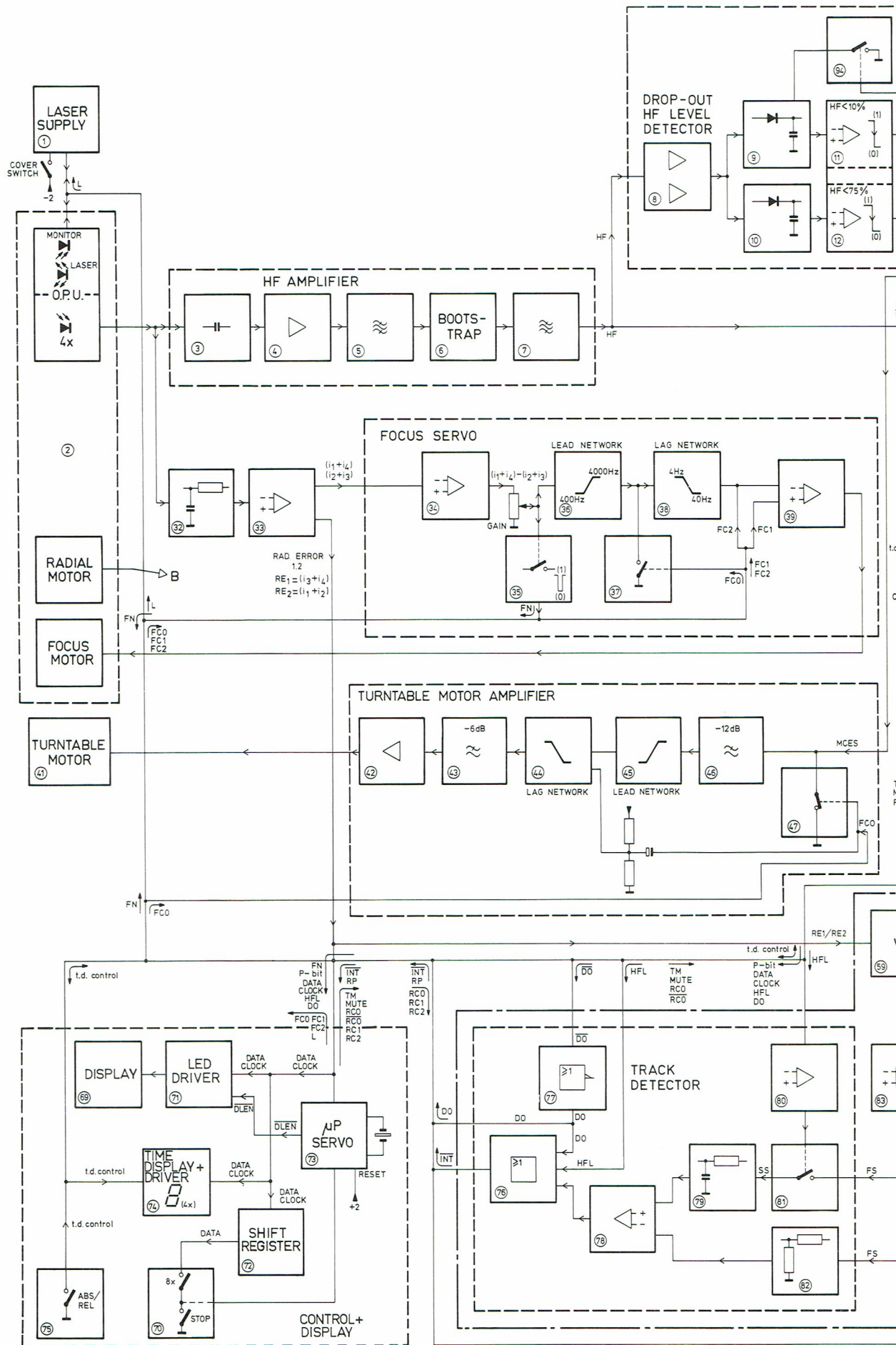
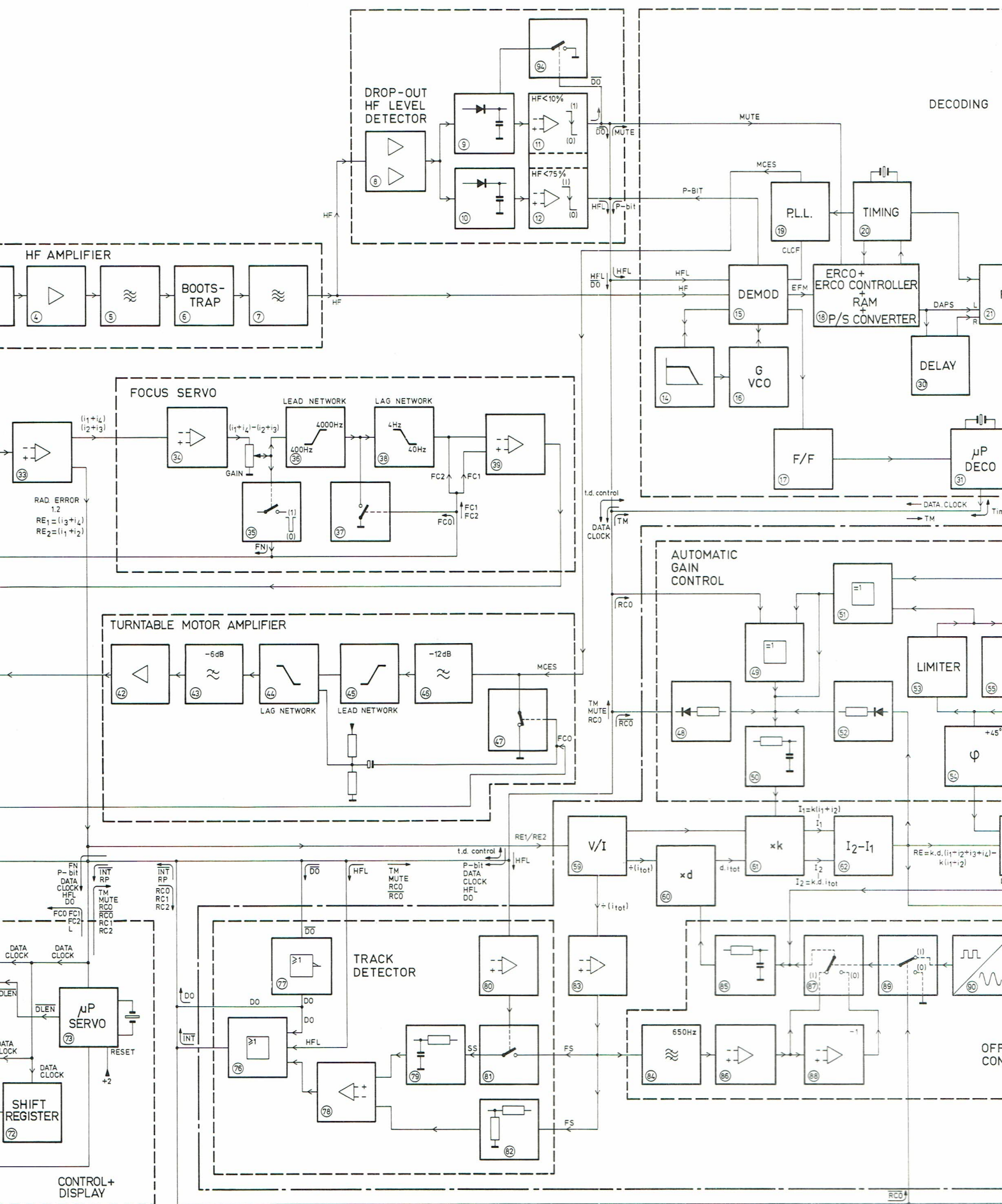
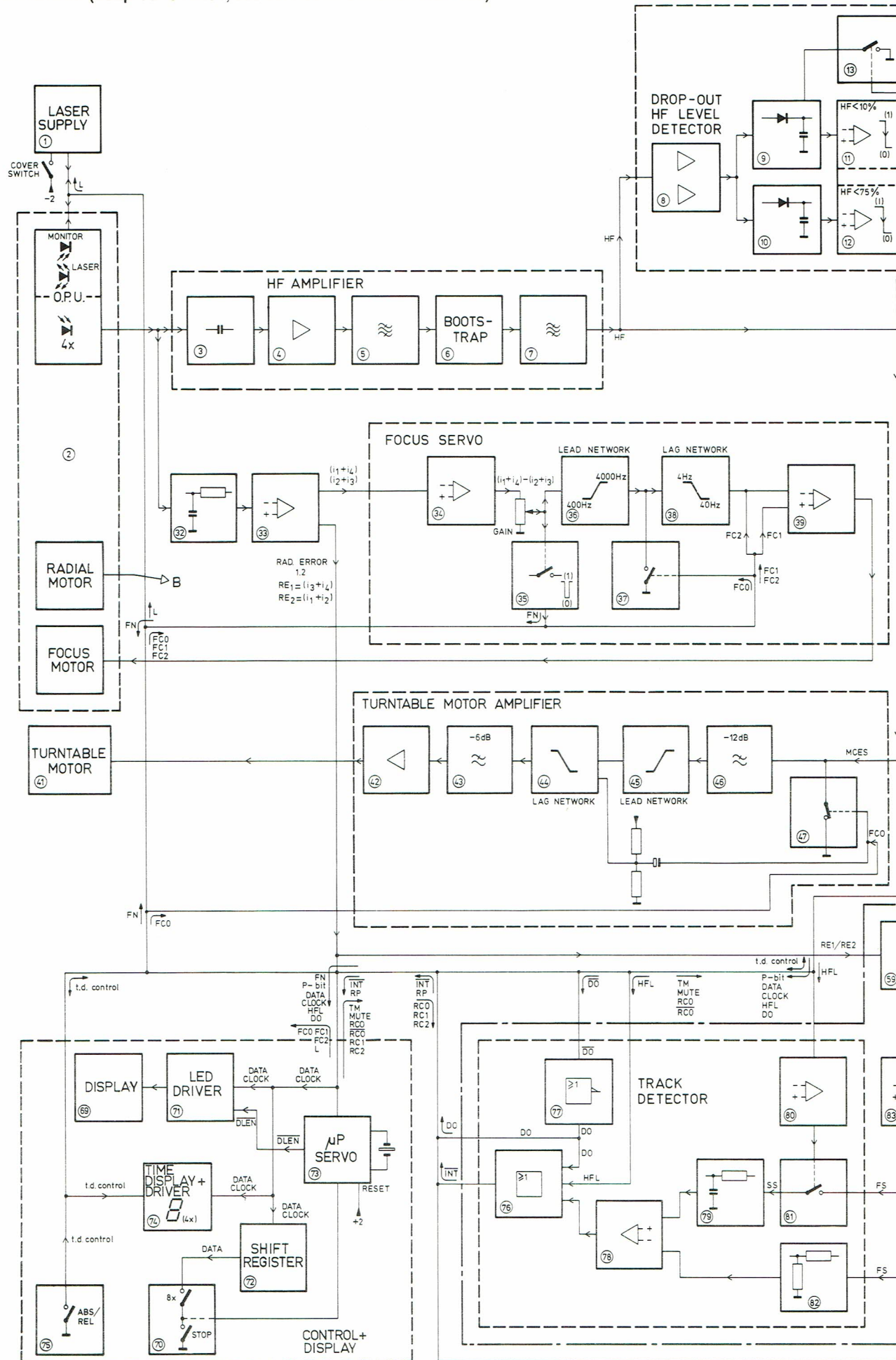


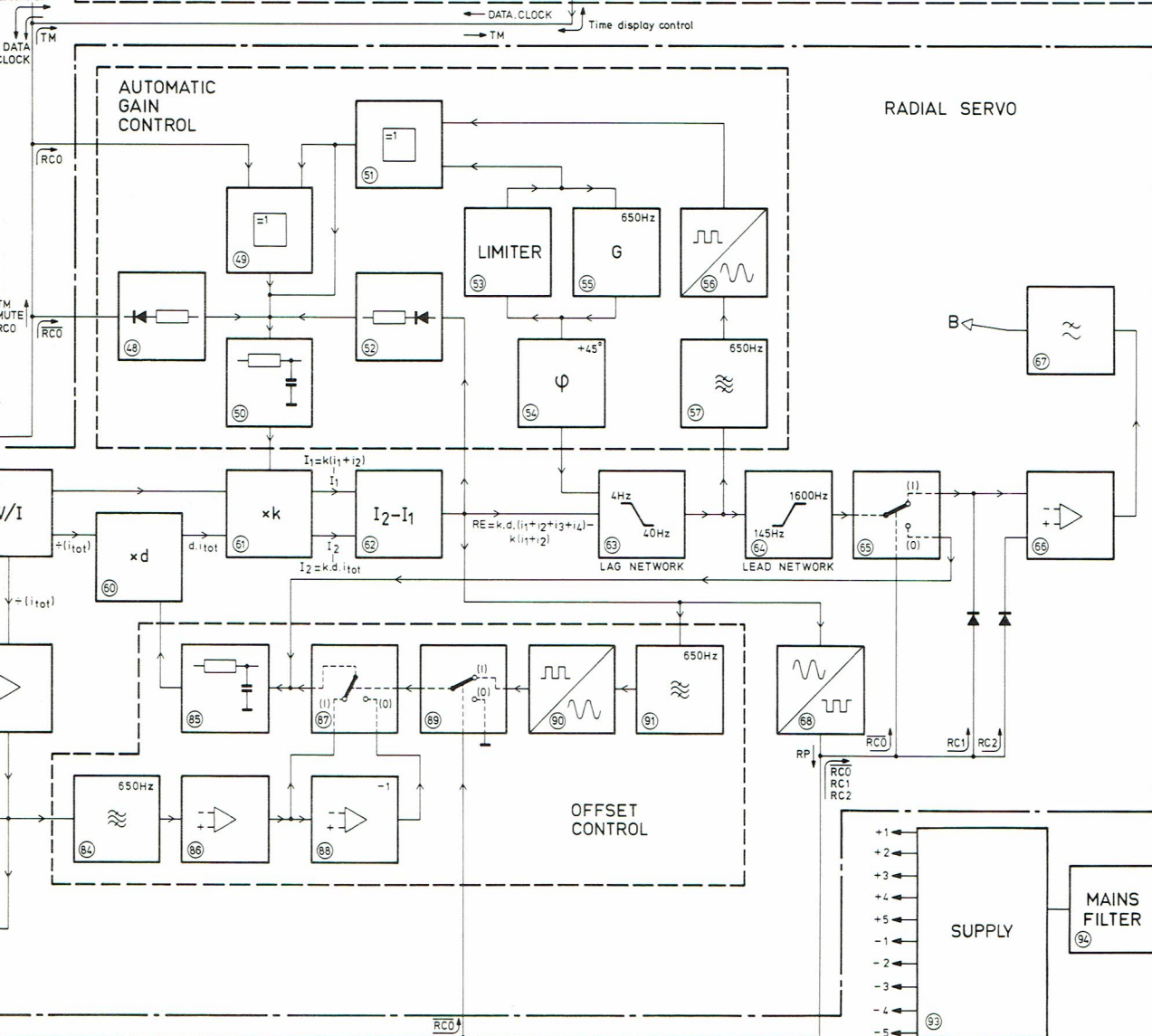
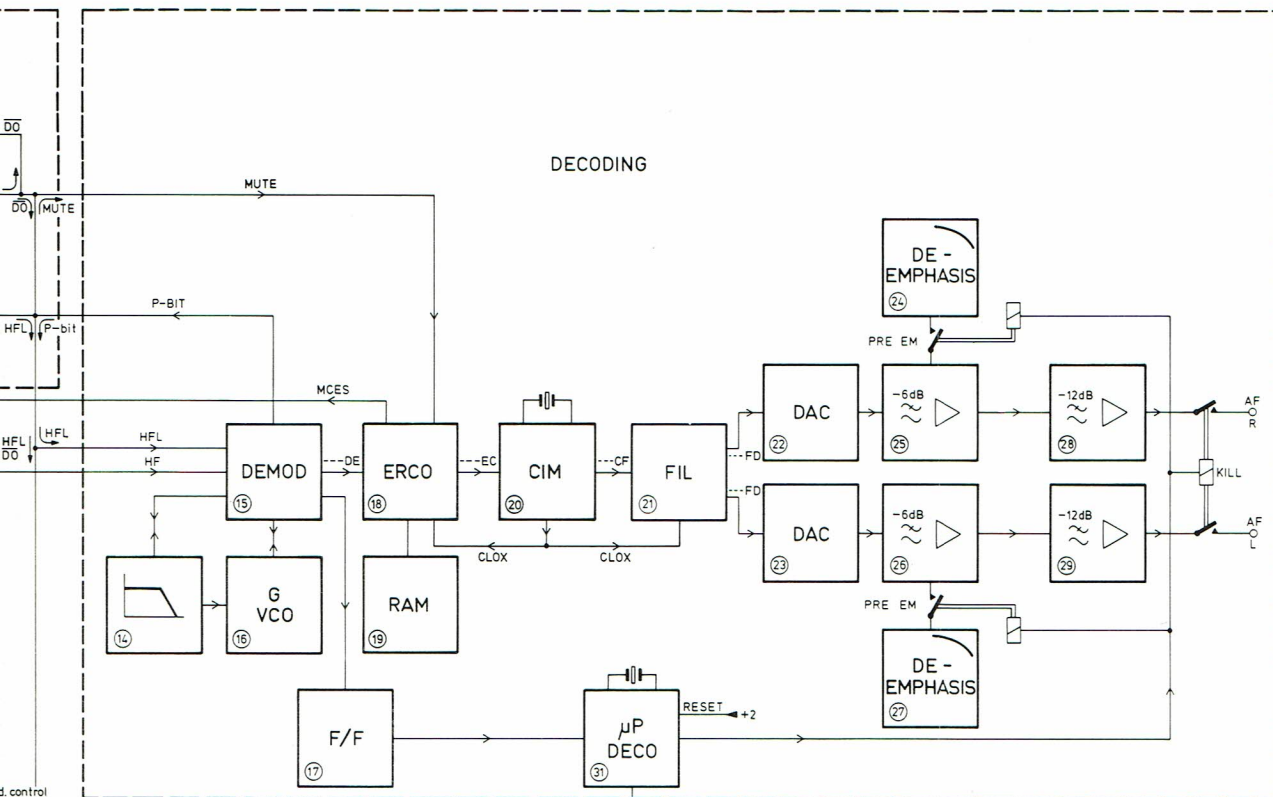


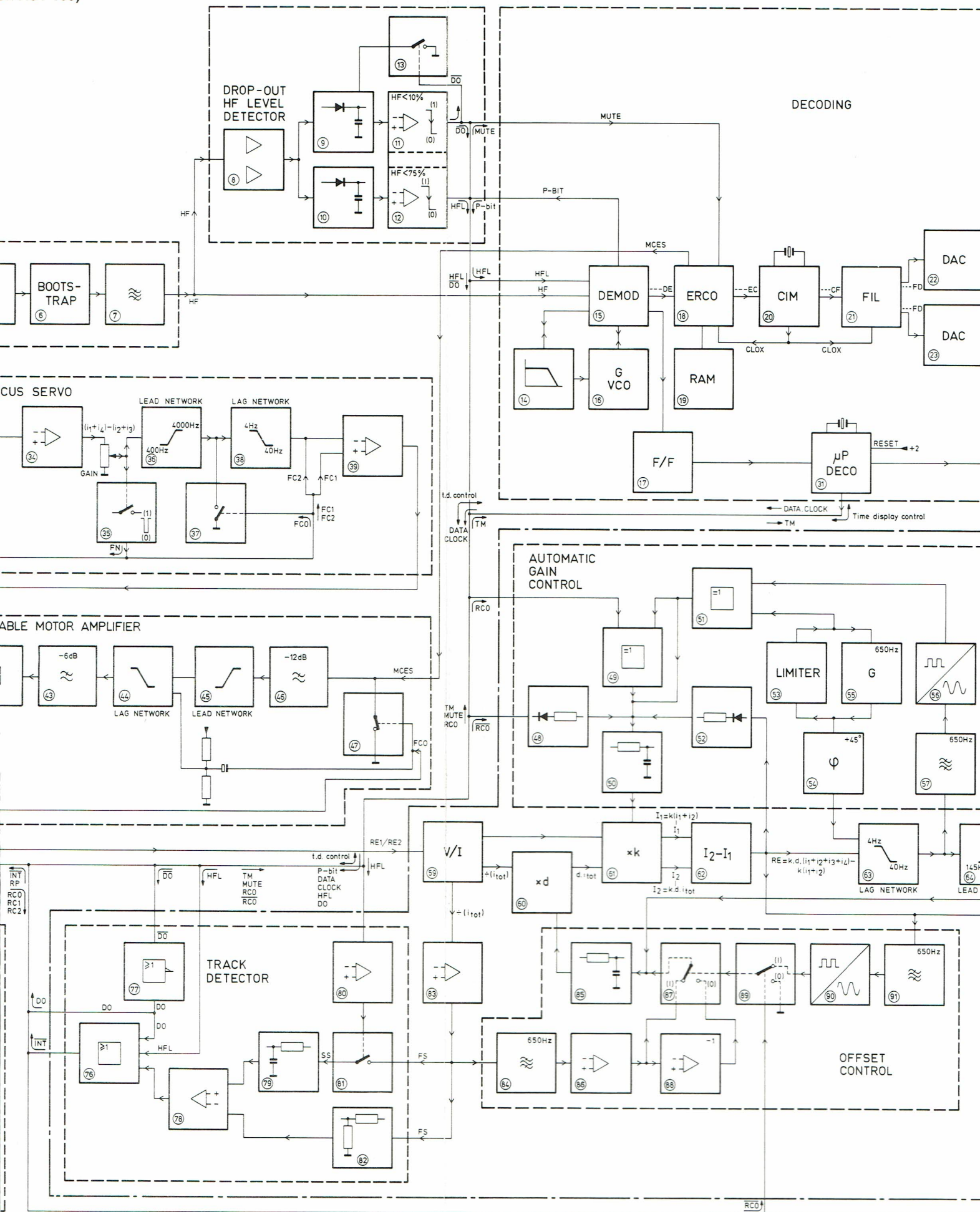




BLOCK DIAGRAM (adapted to AH01, see service information A84-105)







Radial servo

- 59 IC6214a, b : IC6216-7, 8 : TS6239
- 60 IC6216-1, 2 : TS6238
- 61 IC6216-5, 6, 13 : IC6256-3, 4, 12
- 62 IC6214c
- 63 IC6214d, R3349, 3350, 3351, C2251
- 64 R3375, 3376, C2259
- 65 IC6211-1, 2, 15
- 66 IC6218, TS6240, 6241
- 67 R3386, C2267
- 68 IC6205b

Control and display

- 69 1102
- 70 Switches (9x)
- 71 IC6101
- 72 IC6102
- 73 IC6201
- 74 6106
- 75 Switch ABS/REL. TIME

Track detector

- 76 IC6207a, b
- 77 IC6207c
- 78 IC6205a
- 79 R3216, C2204
- 80 IC6217b
- 81 TS6242
- 82 R3215, 3217
- 83 IC6217a

Offset control

- 84 R3391, 3392, 3394, C2261, 2262
- 85 IC6215c, C2243
- 86 IC6215a
- 87 IC6211-3, 4, 5
- 88 IC6215b
- 89 D6255
- 90 IC6215d, D6252
- 91 R3356, 3357, 3358, 3359, C2246, 2247

Supply

- 93 IC6451, 6452, 6453, 6454, 6455, TS6457,
D6463 ÷ 6476

Mains filter

- 94 L5451, R3468, C2493, 2495

GB ELUCIDATION OF THE BLOCKS IN THE BLOCK DIAGRAM

NL TOELICHTING OP DE BLOKKEN VAN HET BLOKSCHEMA

F EXPLICATION AU SUJET DES BLOCS DU SCHÉMA-BLOC

D ERLÄUTERUNG DER BLÖCKE DES BLOCKSCHALTBILDS

I SPIEGAZIONE APPROPÓSITO DEI BLOCCHI NELLO SCHEMA A BLOCCHI

Laser supply

1 IC6114, TS6118

Rafoc unit

2 1041, arm, lightpen

HF amplifier

3 C2111
4 TS6103, 6104
5 TS6105, R3146, 3148, 3150, 3152, 3153, C2117, 2122
6 TS6109, 6110
7 TS6111, 3172, 3173, 3174, C2129, 2130, 2132, 2133

Drop-out HF level detector

8 TS6680, 6681	From AH01 TS6530, 6531
9 D6700, 6701, C2677	D6550, 6651, C2527
10 D6698, 6699, C2675	D6548, 6549, C2525
11 IC6655-5, 6, 7	IC6508-5, 6, 7
12 IC6655-1, 2, 3	IC6508-1, 2, 3
13 TS6683	TS6533

Decoding

14 R3657, 3659, C2652, 2659	From AH01 R3507, 3509, C2502, 2509
15 IC6651	IC6501
16 D6690, L5651, C2656	D6540, L5501, C2506
17 IC6652, a, b	IC6504 a, b
18 IC6801, 6803, 6804, 6805, 6807, 6809, 6810	IC6510
19 IC6657, 6658	IC6512
20 IC6660, 6661, 6662, 6663, 6664, 6665, 6666	IC6514
21 IC6669	IC6517
22 IC6670	IC6519
23 IC6671	IC6520
24 R3722, 2716, 2717	R3572, C2566, 2567
25 IC6673a, R3724, C2718	IC6523a, R3574, C2568
26 IC6675a, R3745, C2753	IC6525a, R3595, C2603
27 R3743, C2751, 2752	R3593, C2601, 2602
28 IC6673b, R3726, 3727, C2720, 2721	IC6523b, R3576, 3577, C2570, 2571
29 IC6675b, 3747, 3748, C2755, 2756	IC6525b, R3597, 3598, C2605, 2606
30 IC6667, 6668	—
31 IC6654	IC6506

Radial error and focus error signals

32 R3101, 3102, 3103, 3104, C2101, 2102, 2103, 2104
33 IC6101, R3130, 3131, 3132, 3133, 3137, 3138, 3139, 3140

Focus servo

34 IC6107
35 IC6205C
36 IC6208a, 3219, 3220, C2205
37 TS6230
38 R3238, 3239, C2211
39 IC6208, TS6231, 6232

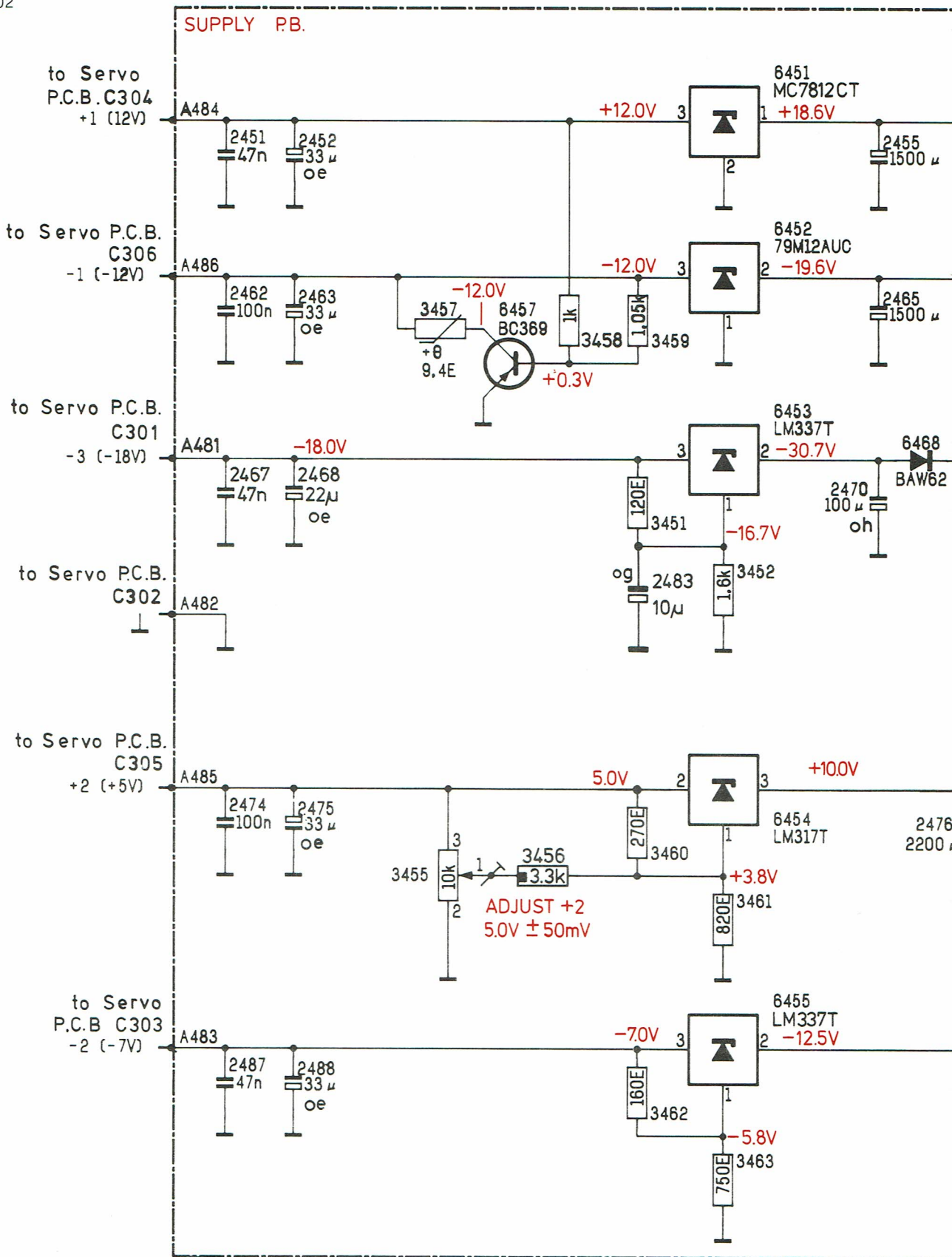
41 Turntable motor

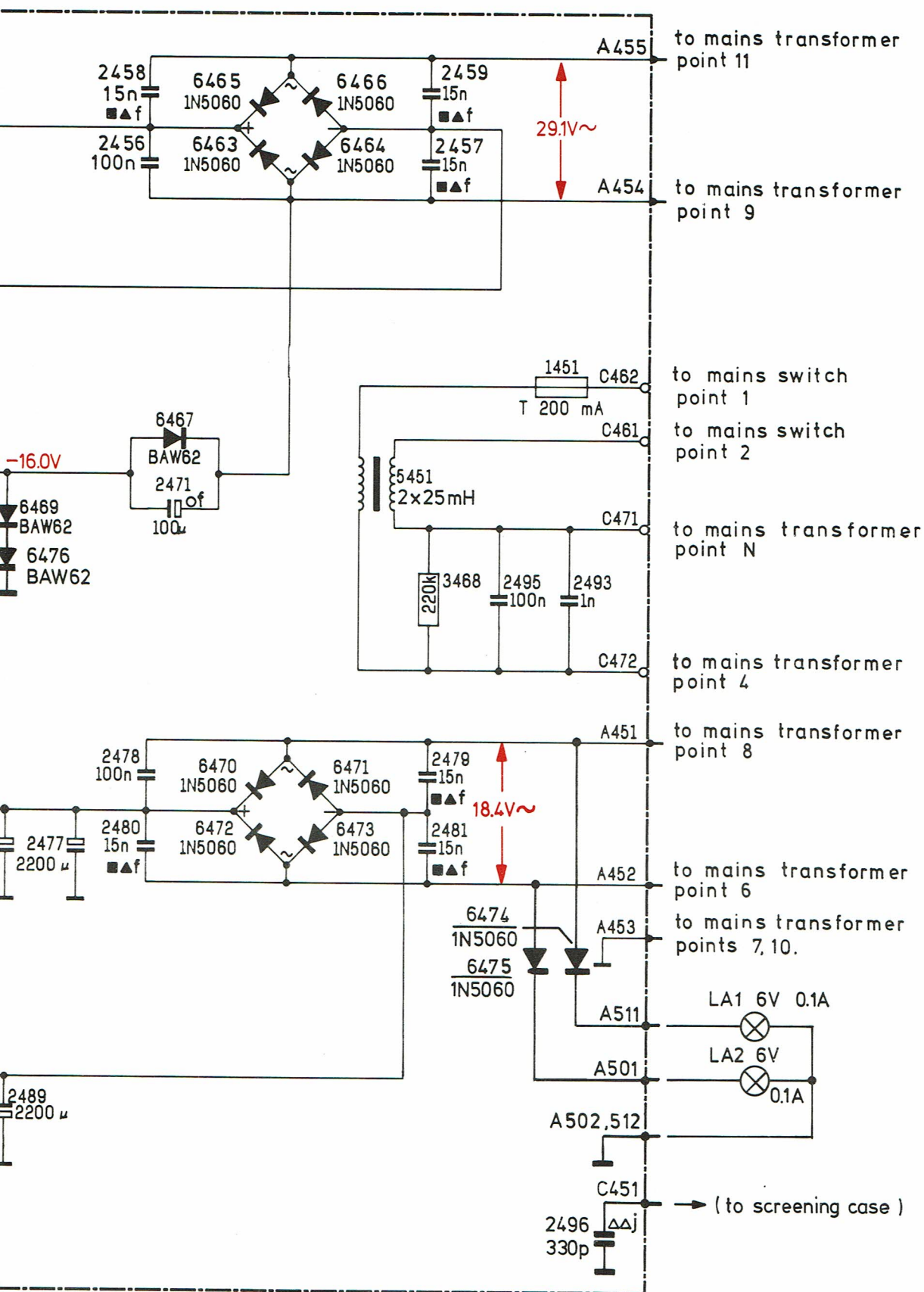
Turntable motor amplifier

42 TS6233, 6234
43 IC6209a, TS6233, 6234, R3257, C2216
44 IC6209a, TS6233, 6234, R3257, C2217
45 IC6209b, R3253, 3254, 3255, 3258, 3259, C2215
46 IC6209b, R3253, 3258, 3259, 3260, 3261, C2218, 2219
47 IC6205d

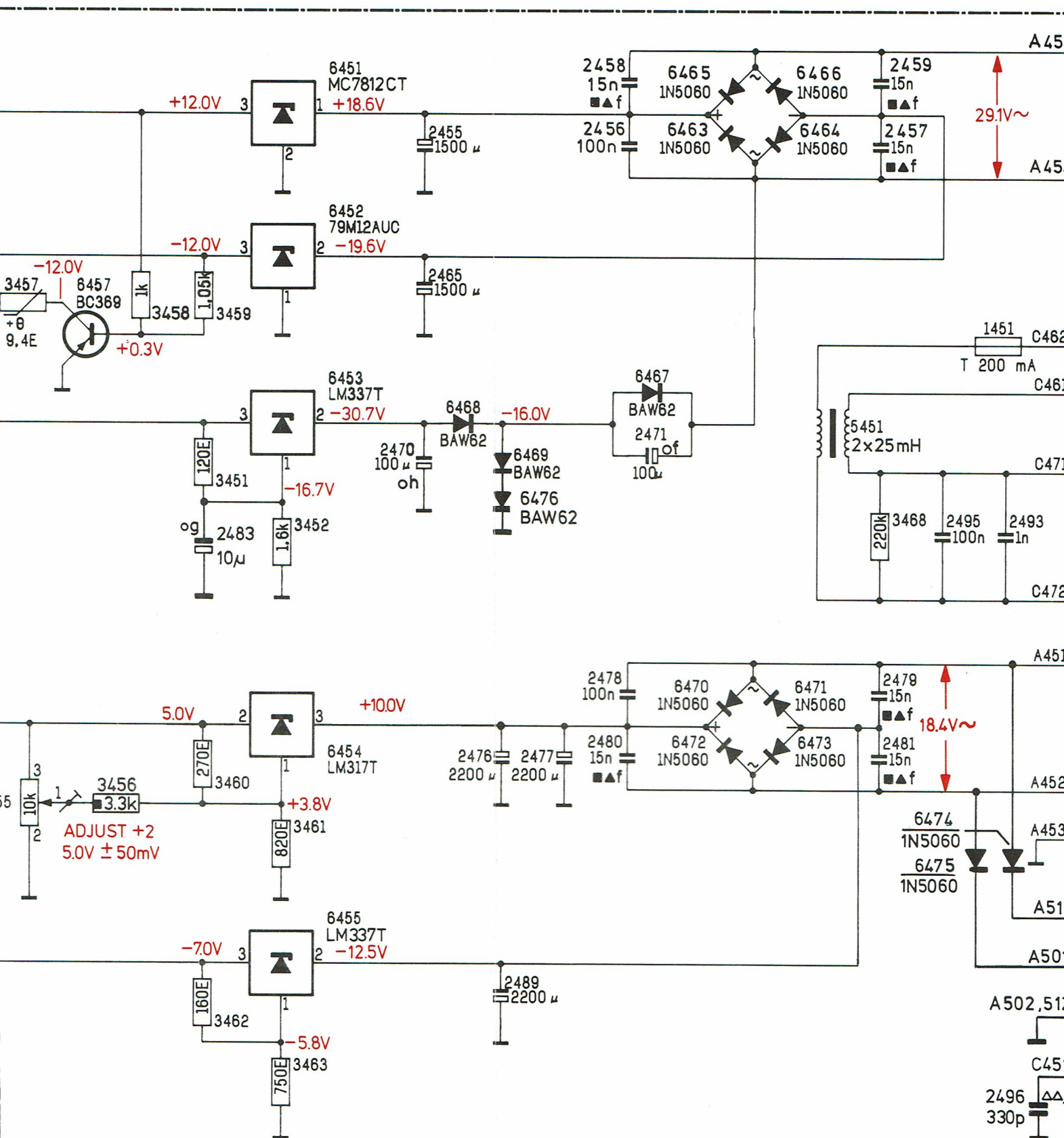
Automatic gain control

48 D6249, R3281
49 IC6213a
50 IC6212a, C2233
51 IC6213c
52 D6250, R3284
53 IC6213d
54 R3328, C2244
55 IC6212b, R3324, 3325, 3326, C2236, 2237, 2238, 2239
56 IC6212c, 6213b
57 IC6212d, R3373, C2256, 2257





30 889 C16/B

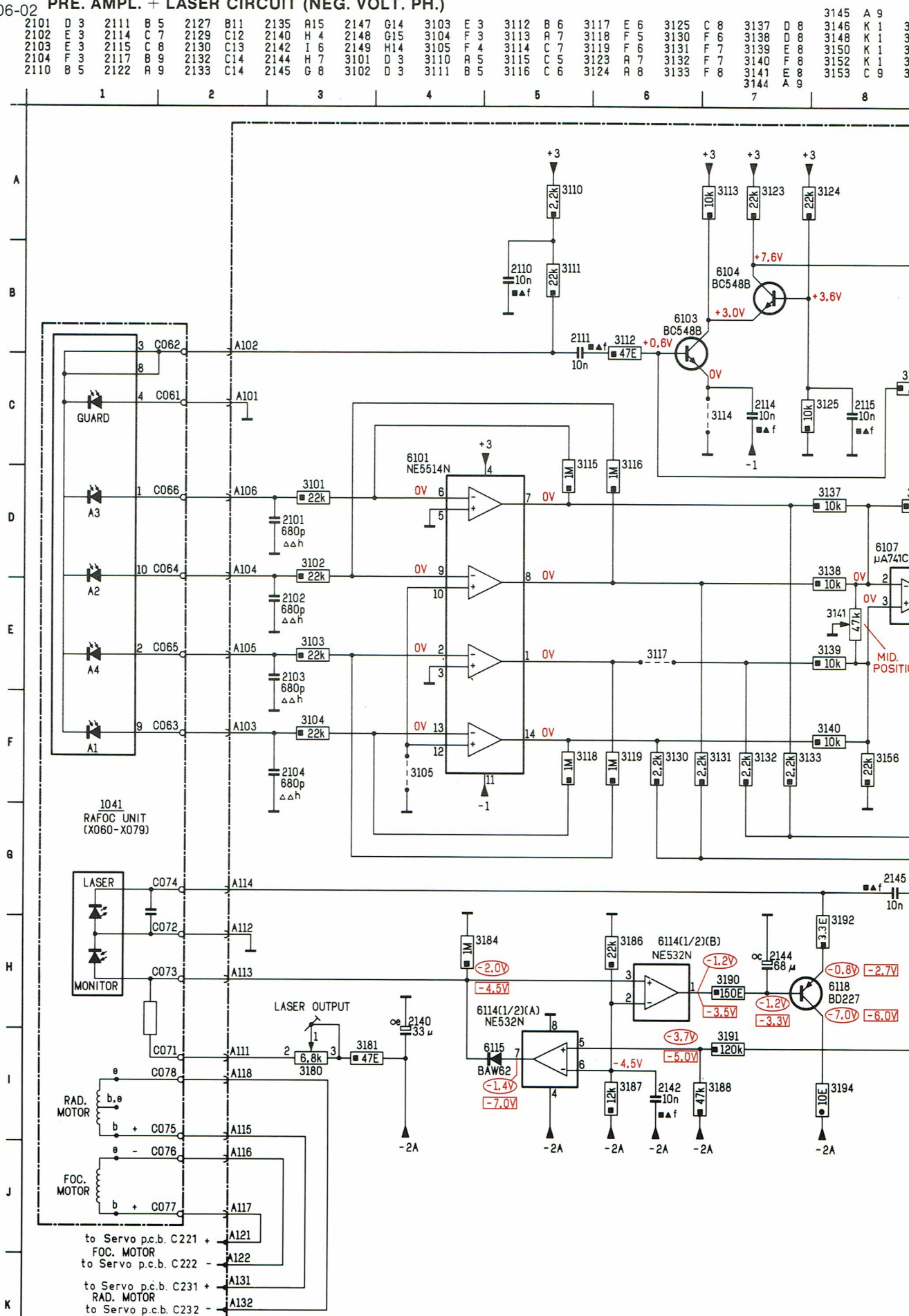




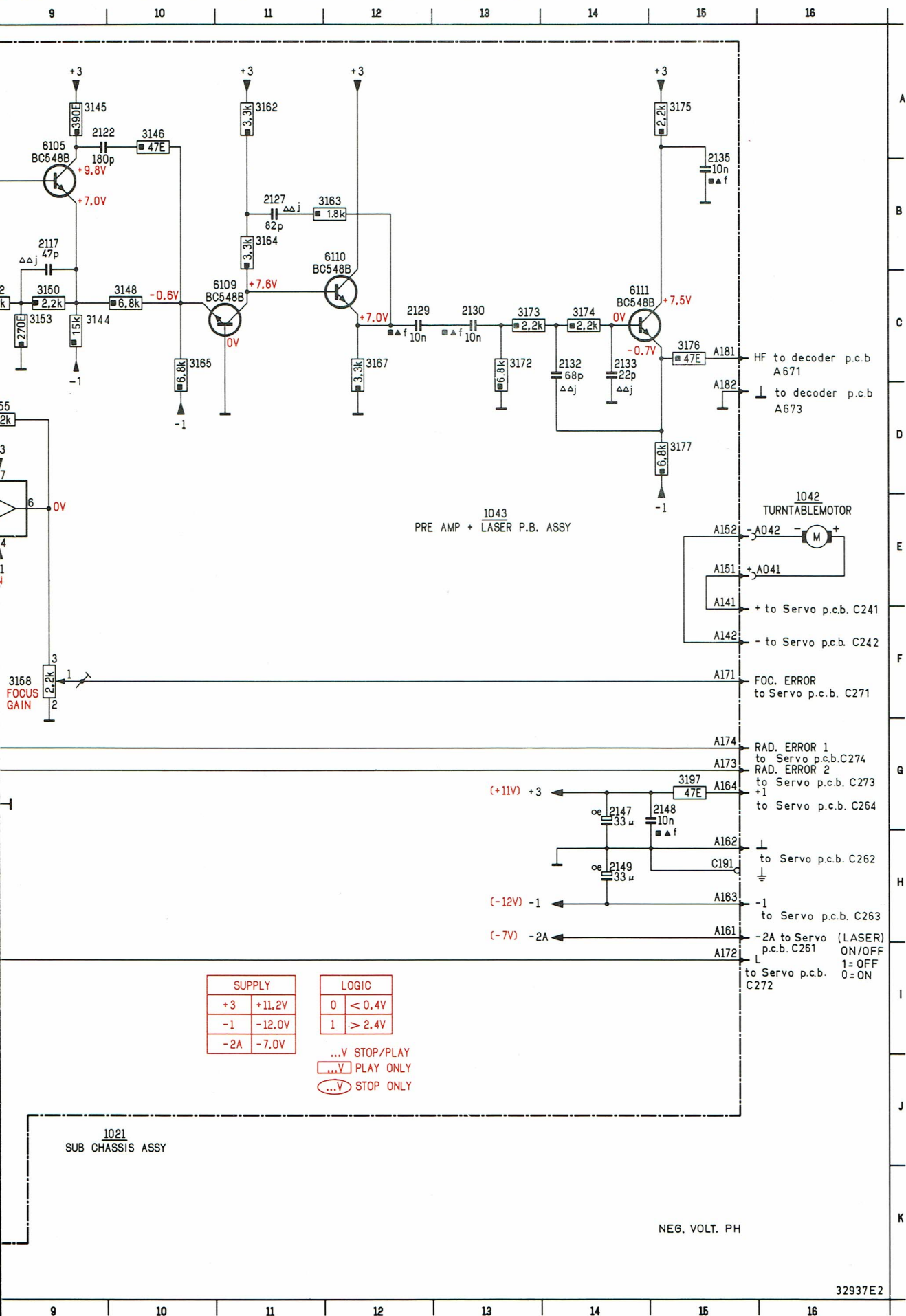
3458	A0:
3459	A0:
3460	B0:
3461	C0:
3462	C0:
3463	C0:
3468	E0:
5451	E0:
6451	A0:
6452	A0:
6453	A0:
6455	C0:
6457	A0:
6463	B0:
6464	B0:
6466	B0:
6467	B0:
6468	B0:
6469	B0:
6470	C0:
6471	C0:
6472	D0:
6473	C0:
6474	D0:
6475	D0:
6476	B0:
6554	B0:

1983-06-02

PRE. AMPL. + LASER CIRCUIT (NEG. VOLT. PH.)



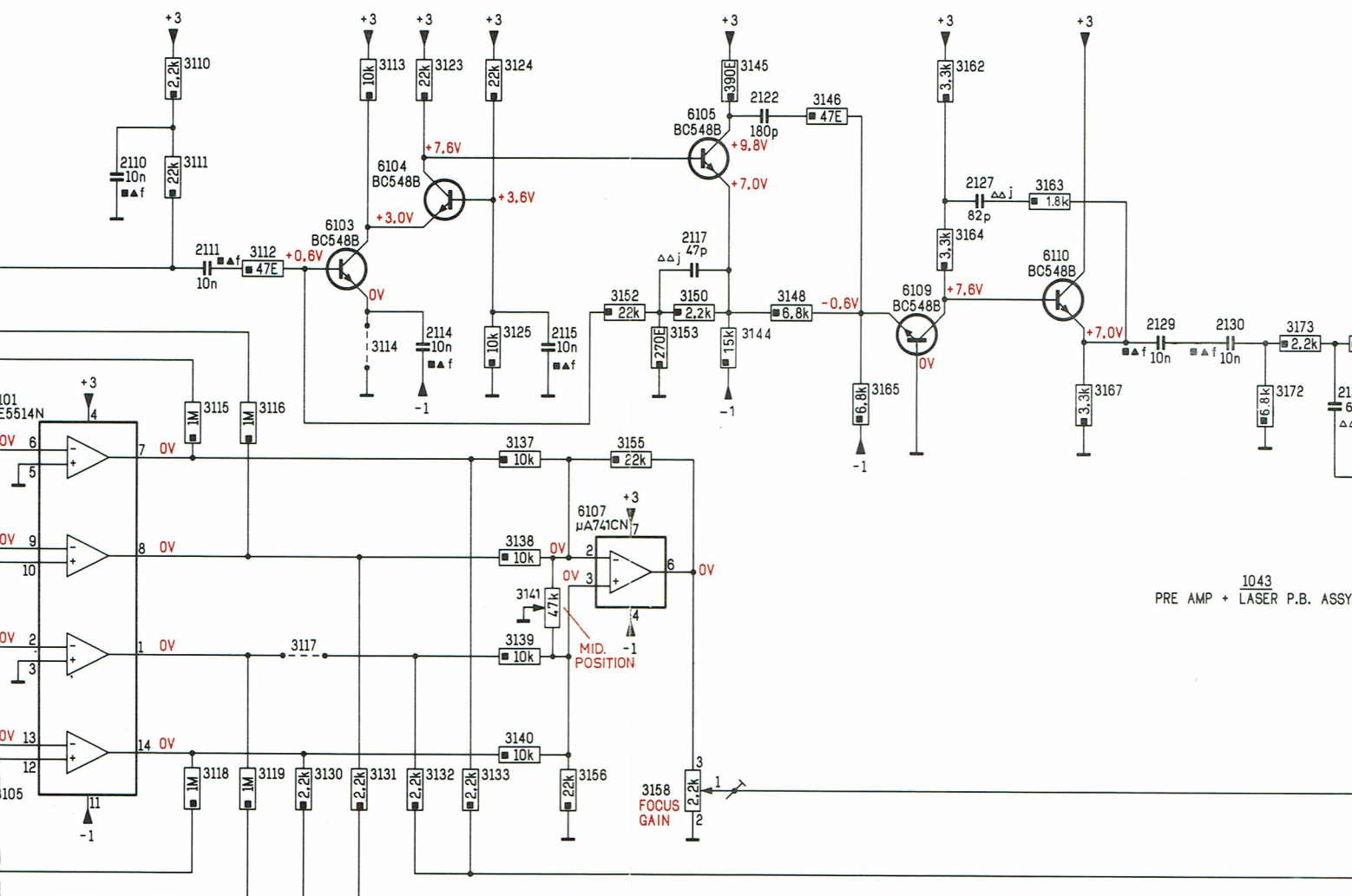
5	D 9	3164	B11	3172	C13	3177	D15	3187	I 6	6104	B 7	6111	C14
6	F 8	3165	C10	3173	C13	3180	I 3	3188	I 7	6105	A 9	6114	H 6
8	F 9			3174	C14	3181	I 3	3190	H 7	6107	D 8	6114	H 5
2	A11	3167	C12	3175	A15	3184	H 5	3191	I 7	6109	C11	6115	I 5
3	B12			3176	C15	3186	H 6	3192	H 8	6103	B 6	6118	H 8



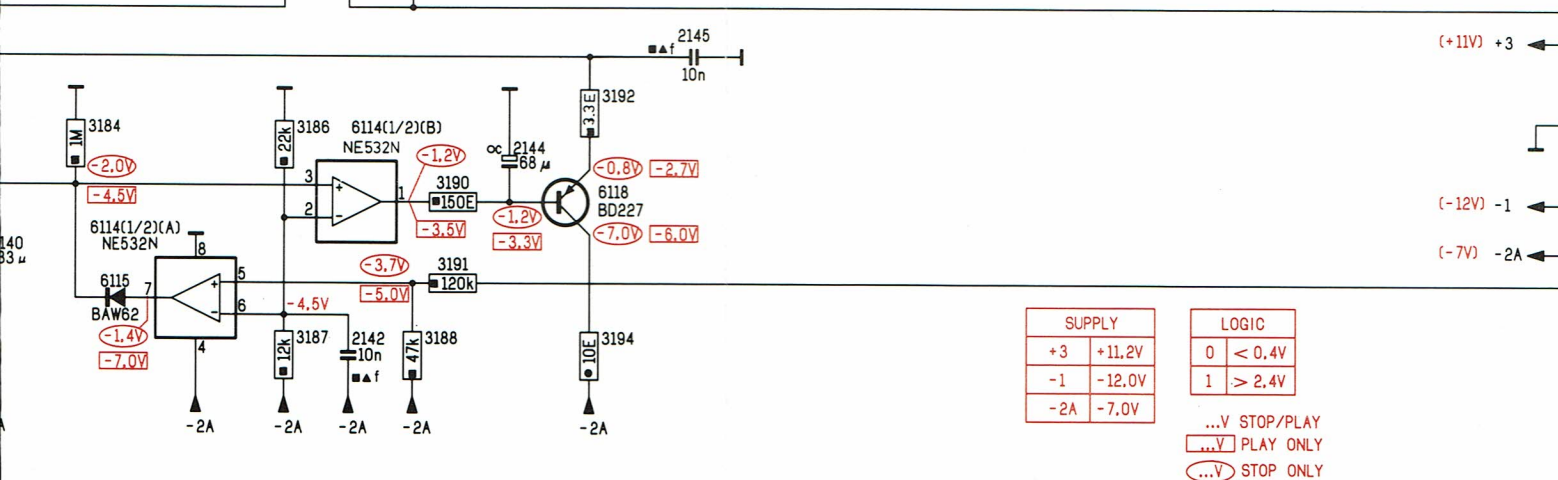
PH.)

3103	E 3	3112	B 6	3117	F 5	3125	C 8	3137	D 8	3145	A 9	3155	D 9	3164	B11	3172	C13	3177	D15	3187	I 6	6104	B 7	6111	
3104	F 3	3113	A 7	3118	F 6	3130	F 6	3138	D 8	3146	K 1	3156	F 8	3165	C10	3173	C13	3180	I 3	3188	I 7	6105	A 9	6114	
3105	F 4	3114	C 7	3119	F 7	3131	F 7	3139	F 8	3148	K 1	3158	F 9	3167	C12	3174	C14	3181	I 3	3190	H 7	6107	D 8	6114	
3110	A 5	3115	C 5	3123	A 7	3132	F 7	3140	F 8	3152	K 1	3152	A11	3167	C12	3175	A15	3184	H 5	3191	I 7	6109	C11	6115	
3111	B 5	3116	C 6	3124	A 8	3133	F 8	3141	F 8	3153	C 9	3153	B12	3167	C12	3176	C15	3186	H 6	3192	H 8	6110	B12	6118	

4	5	6	7	8	9	10	11	12	13	
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1043
PRE AMP + LASER P.B. ASSY



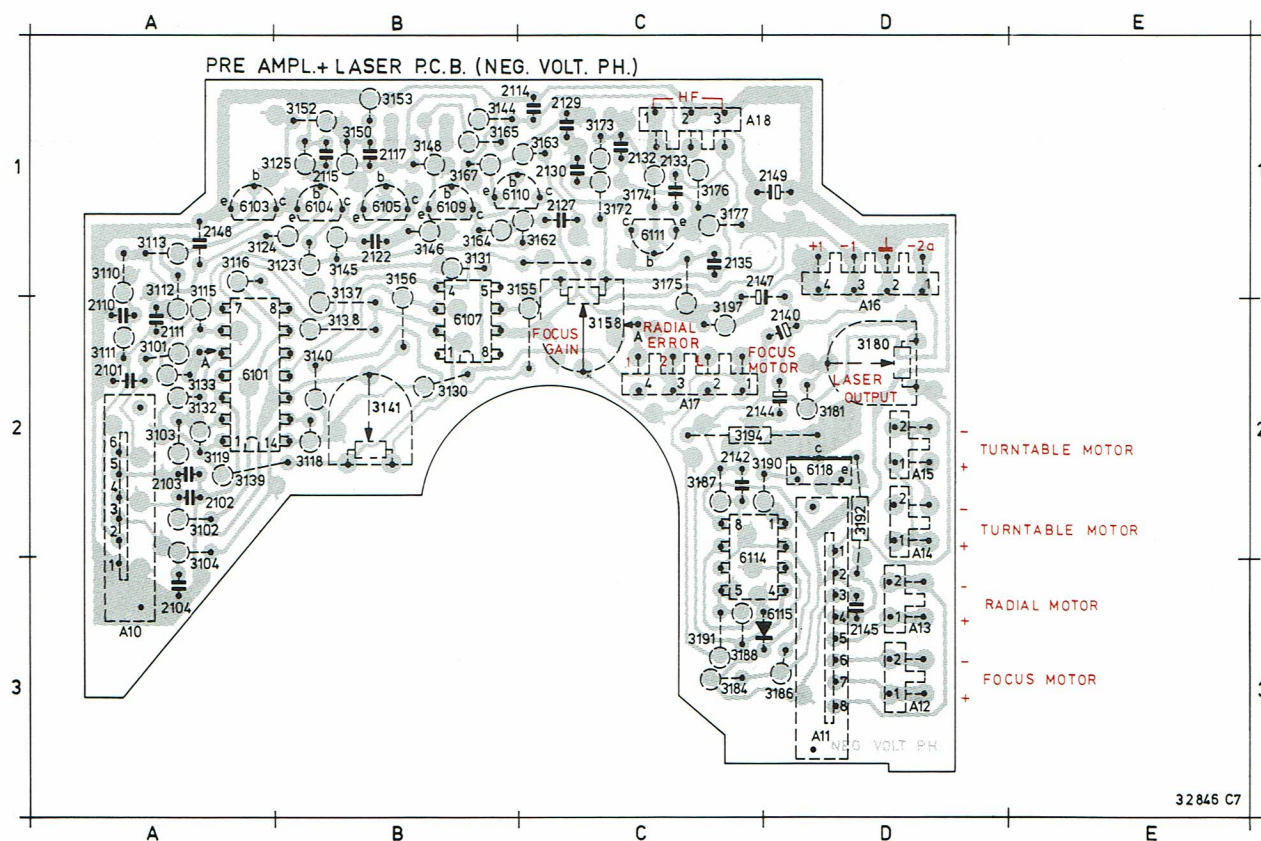
SUPPLY	
+3	+11.2V
-1	-12.0V
-2A	-7.0V

LOGIC	
0	< 0.4V
1	> 2.4V

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

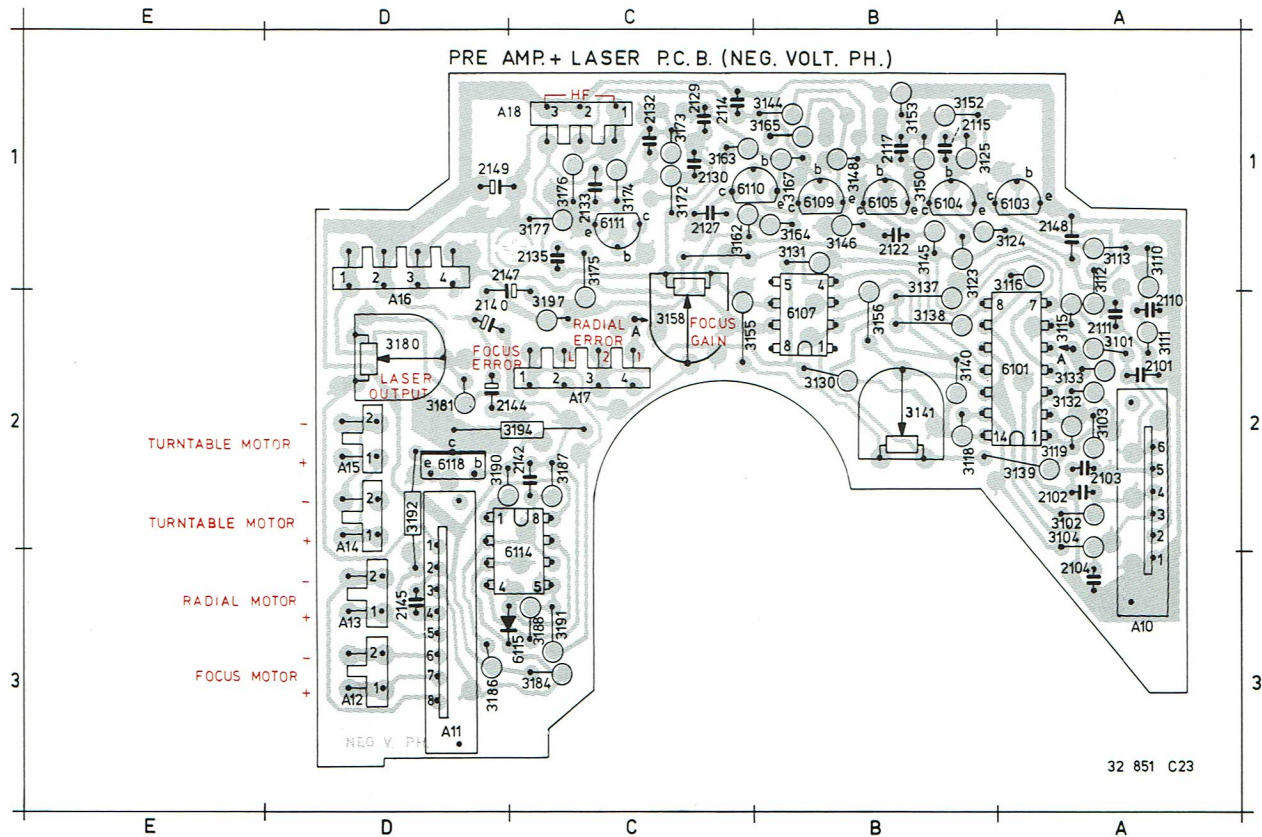
1021
SUB CHASSIS ASSY

4	5	6	7	8	9	10	11	12	13	
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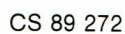
ITEM	PCB		
2101	A02	3140	B02
2102	A02	3141	B02
2103	A02	3144	B01
2104	A03	3145	B01
2110	A02	3146	B01
2111	A02	3148	B01
2114	C01	3150	B01
2115	B01	3152	B01
2117	B01	3153	B01
2122	B01	3155	C02
2127	C01	3156	B02
2129	C01	3158	C02
2130	C01	3162	C01
2132	C01	3163	C01
2133	C01	3164	B01
2135	C01	3165	B01
2140	D02	3167	B01
2142	C02	3172	C01
2144	C02	3173	C01
2145	D03	3174	C01
2147	D01	3175	C01
2148	A01	3176	C01
2149	D01	3177	C01
3101	A02	3180	D02
3102	A02	3181	D02
3103	A02	3184	C03
3104	A02	3186	D03
3110	A01	3187	C02
3111	A02	3188	C03
3112	A01	3190	D02
3113	A01	3191	C03
3115	A02	3192	D02
3116	A01	3194	C02
3118	B02	3197	C02
3119	A02	6101	A02
3123	B01	6103	A01
3124	A01	6104	B01
3125	B01	6105	B01
3130	B02	6107	B02
3131	B01	6109	B01
3132	A02	6110	B01
3133	A02	6111	C01
3137	B01	6114	C03
3138	B02	6115	C03
3139	A02	6118	D02

NEG. VOLT. PH. (discrete components)



Pre-amplifier + laser print 4822 214 50307

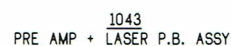
BC548B BD227	4822 130 40937 5322 130 44661	3141 47k 3158 2k2 3180 6k8	4822 100 10598 4822 100 10029 4822 100 10599
NE5514N NE532N μ A741CN	4822 209 81451 4822 209 80818 4822 209 80617	2122 180 pF - 5%	4822 122 31962
BAW62	4822 130 30613	3197 47E - 5% NFR	4822 111 30526
		6p-A10 8p-A11	4822 267 50412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



9	10	11	12	13	14	15	16
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3103	E	3	3112	B	6	3117	E	6	3125	C	8	3137	D	8	3146	K	1	3155	D	9	3164	B	11	3172	C	13	3177	D	15	3187	I	6	3193	H	4	6104	B	7	6111	C	14
3104	F	3	3113	A	7	3118	F	5	3130	F	7	3138	D	8	3148	K	1	3156	F	8	3165	C	10	3173	C	13	3180	I	3	3188	I	7	3194	I	8	6105	A	9	6114	H	6
3105	F	4	3114	C	7	3119	F	6	3131	F	7	3139	E	8	3150	K	1	3158	F	9			3174	C	14	3181	I	3	3190	H	7	3195	H	14	6107	D	8	6114	H	5	
3110	A	5	3115	C	5	3123	A	7	3132	F	7	3140	F	8	3152	K	1	3162	B	11	3167	C	12	3175	A	15	3184	H	5	3191	I	7	3197	C	15	6109	C	11	6115	I	5
3111	B	5	3116	C	6	3124	A	8	3133	F	8	3141	E	8	3153	C	9	3163	B	12			3176	C	15	3186	H	6	3192	C	4	6101	C	4	6110	B	12	6116	I	4	
												3145	A	9																		6103	B	6				6118	H	8	
4			5			6						7			8				9				10			11				12			13					14			

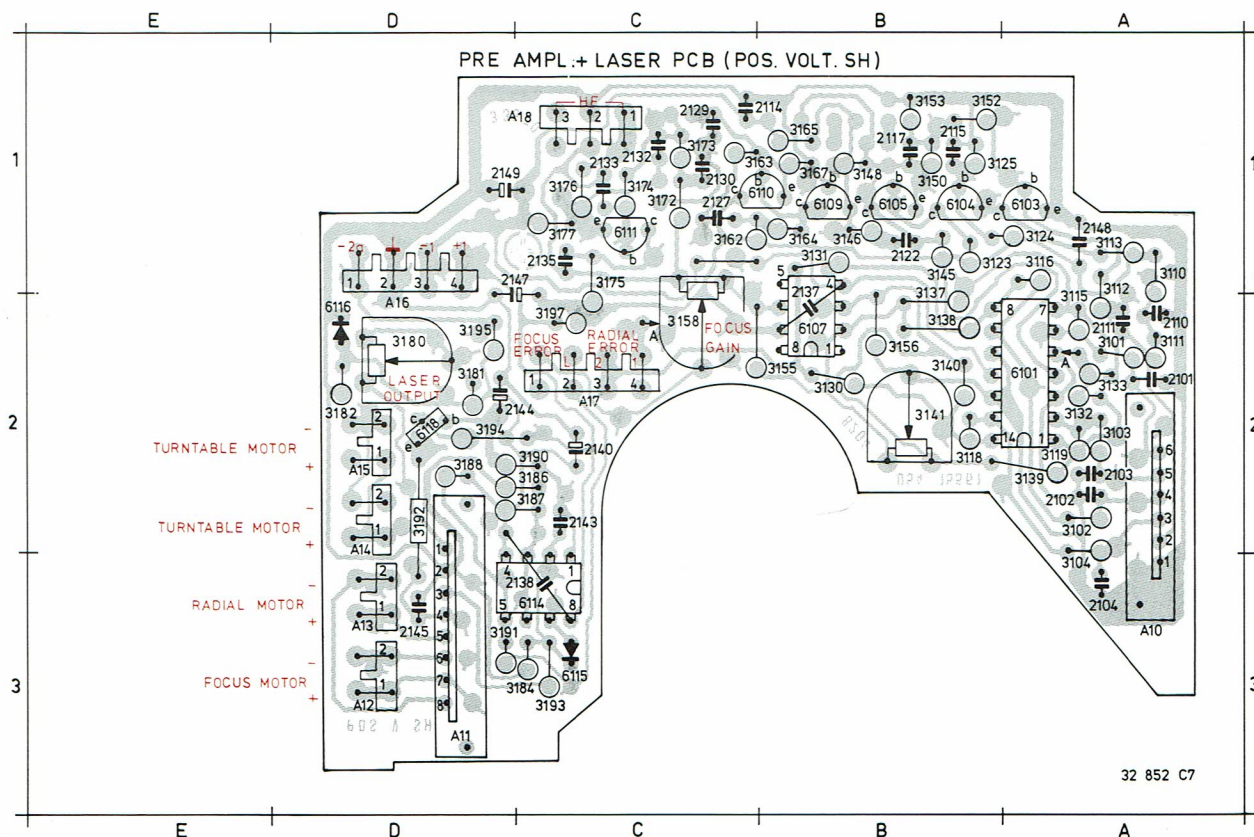


4	5	6	7	8	9	10	11	12	13	14
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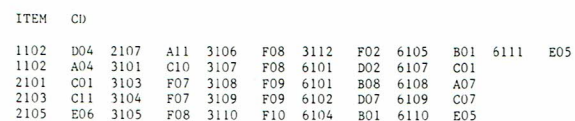
3138	B02
3139	A02
3140	B02
3141	B02
3145	B01
3146	B01
3148	B01
3150	B01
3152	B01
3153	B01
3155	B02
3156	B02
3158	C02
3162	C01
3163	B01
3164	B01
3165	B01
3167	B01
3172	C01
3173	C01
3174	C01
3175	C01
3176	C01
3177	C01
3180	D02
3181	D02
3182	D02
3184	C03
3186	C02
3187	C02
3188	D02
3190	C02
3191	D03
3192	D03
3193	C03
3194	D02
3197	C02
3199	D02
6103	A01
6104	B01
6105	B01
6106	A02
6107	B01
6109	B01
6110	B01
6111	C01
6114	C03
6115	C03
6116	D02
6118	D02

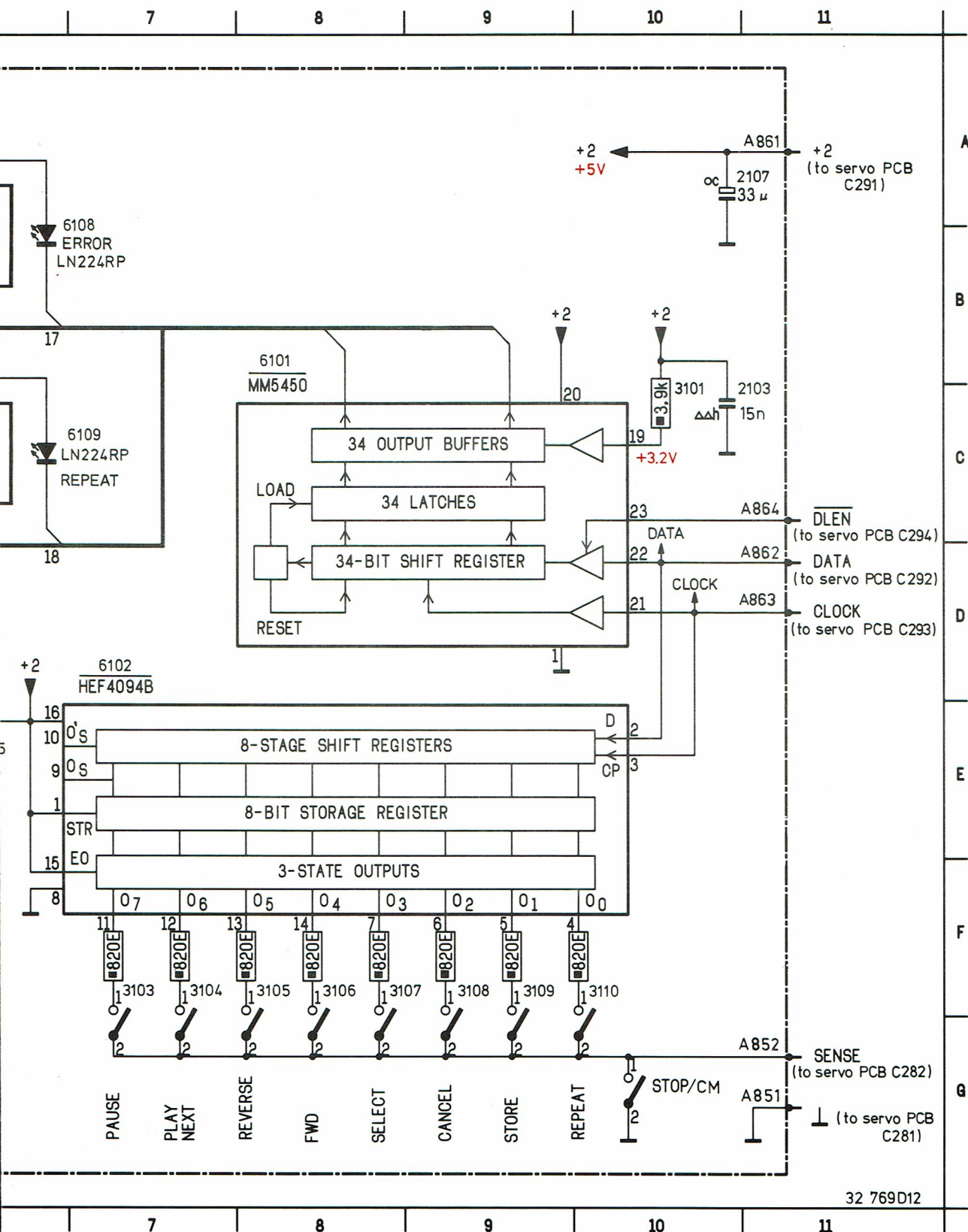
POS. VOLT. SH. (discrete components)



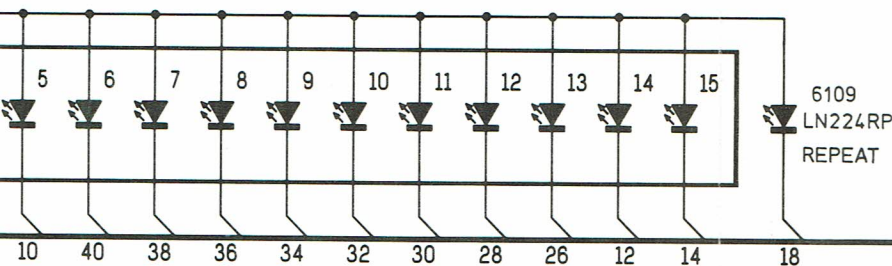
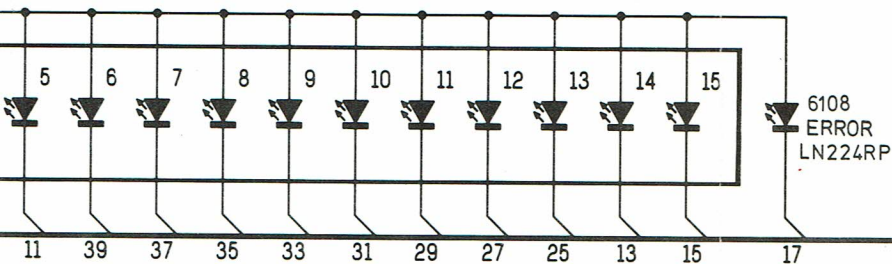
Pre-amplifier + laser print 4822 214 50325

	
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



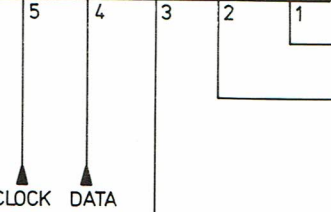


PROGRAM 1102 (1/2)
15 x LN324GP



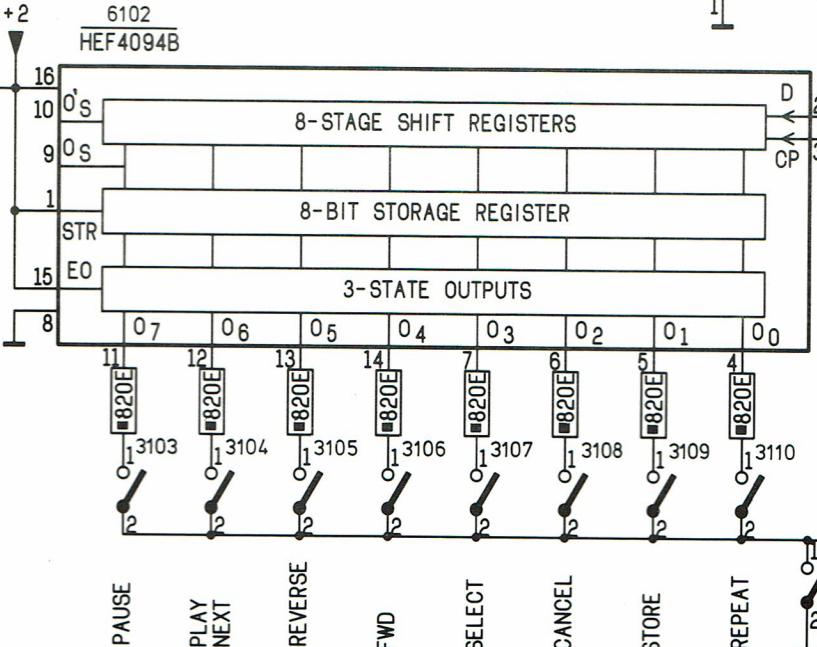
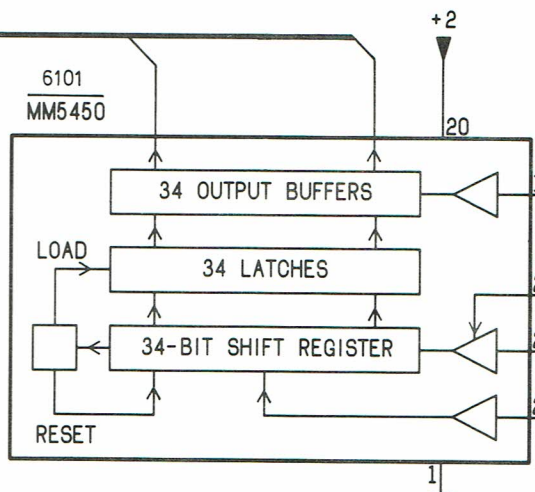
TRACK 1102 (1/2)
15 x LN324GP

R UNIT



U_{kathode} - a LED "ON" = +1.3V
b LED OFF = +2.7V

SUPPLY	
+2	+5.0V



A871
(to decoder PCB A641)