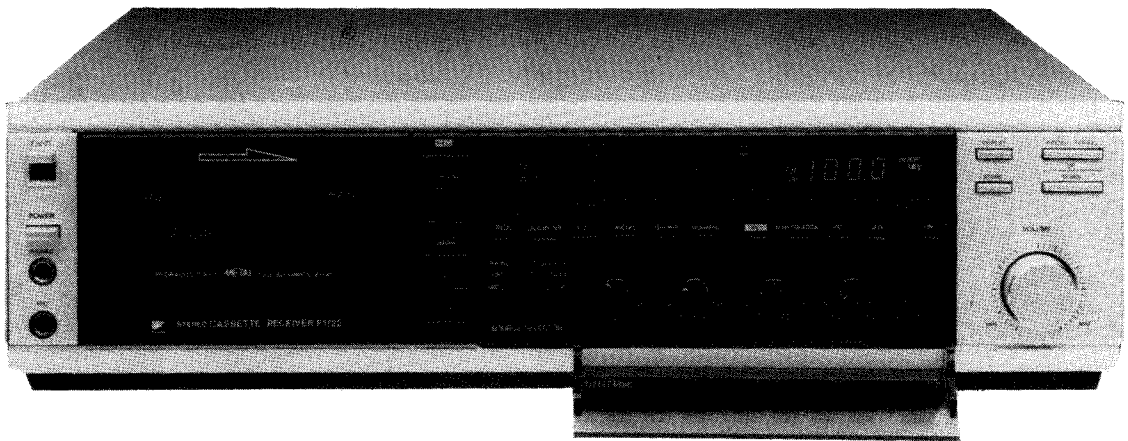


Service
Service
Service

For repair information of the cassette mechanism see
Service Manual of "Recorders tape-deck MSM".

FIRST ISSUE

Service Manual



30 109 A12

SPECIFICATIONS

General

Power supply : 110-127-220-240 V/50 Hz
Power consumption : ≤ 140 W
Dimensions (wxhxd) : 420x108x320 mm

Tuner

Wave range FM : 87.5- 108 MHz
AM : 146- 263 kHz LW
: 513-1611 kHz MW

Sensitivity FM 98 MHz (75 Ω) : 0.9 μV (mono 26 dB S/N)
: 20 μV (stereo 46 dB S/N)
AM 600 kHz (300 Ω) : 150 μV (26 dB S/N)
160 kHz (300 Ω) : 250 μV (26 dB S/N)

Selectivity FM : ≥ 50 dB (at 300 kHz off resonance)
AM : 55 dB (at 9 kHz off resonance)

Bandwidth IF-FM B3 (dB) : 180 kHz
IF-AM B3 (dB) : 4 kHz

Amplifier

Power output ACC to FTC : 2x20 W (40-20.000 Hz D ≤ 0.04%)
IEC581 : 2x25 W (63-12.500 Hz D ≤ 0.7%)
DIN 45.500 : 2x26 W (1 kHz D ≤ 0.7%)

Power bandwidth D ≤ 0.1% : 10-35.000 Hz (—3 dB)
Harmonic distortion : ≤ 0.01% at 2x20 W-1 kHz

Intermodulation distortion 60/7000 Hz 4:1 : ≤ 0.04% at 2x20 W
input Phono : 2.5 mV across 47 kΩ
Tape : 150 mV across 47 kΩ
Aux. : 150 mV across 47 Ω
Microphone : 2 mV across 10 kΩ

Output Tape : 150 mV across 2.5 Ω
Output impedance Loudspeaker : 8 Ω
Headphones : 8-1000 Ω

Cassette

Tape system : Compact cassette

Number of tracks : 2x2 (stereo)

Tape speed : 4.76 cm/sec

Speed deviation : 2%

Wow and flutter weighted : 0,25%

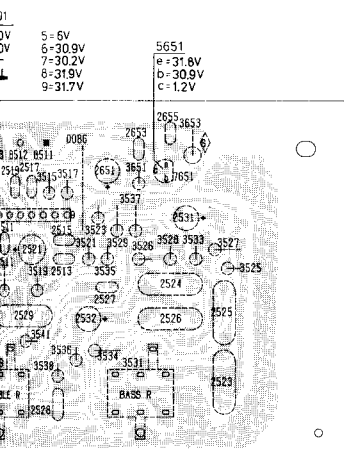
Fast wind time C60 cassette : < 100 sec

Distortion K3 : ≤ 3%

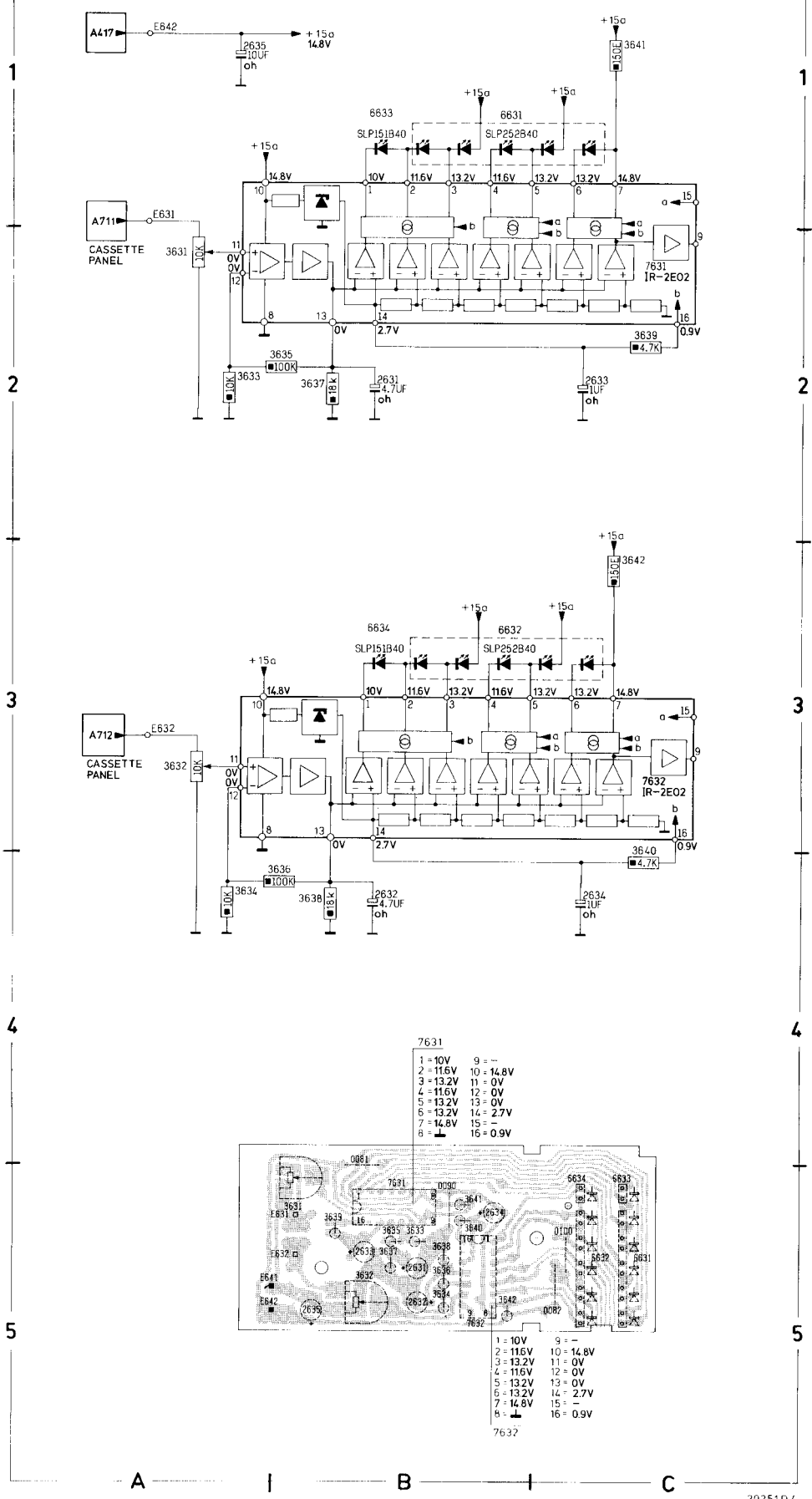
Bias and erase frequency : 71 kHz

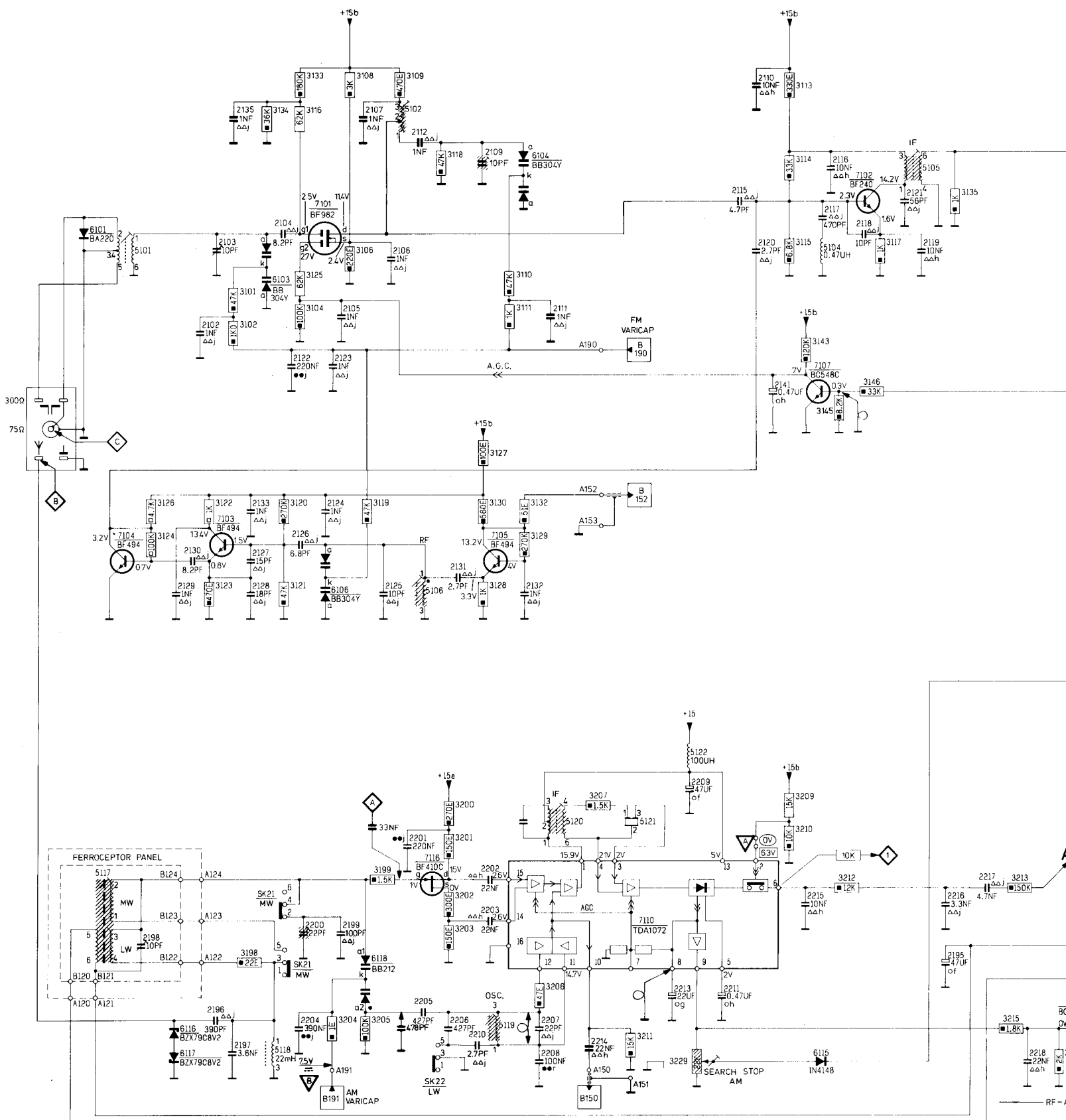
POWER-PANEL

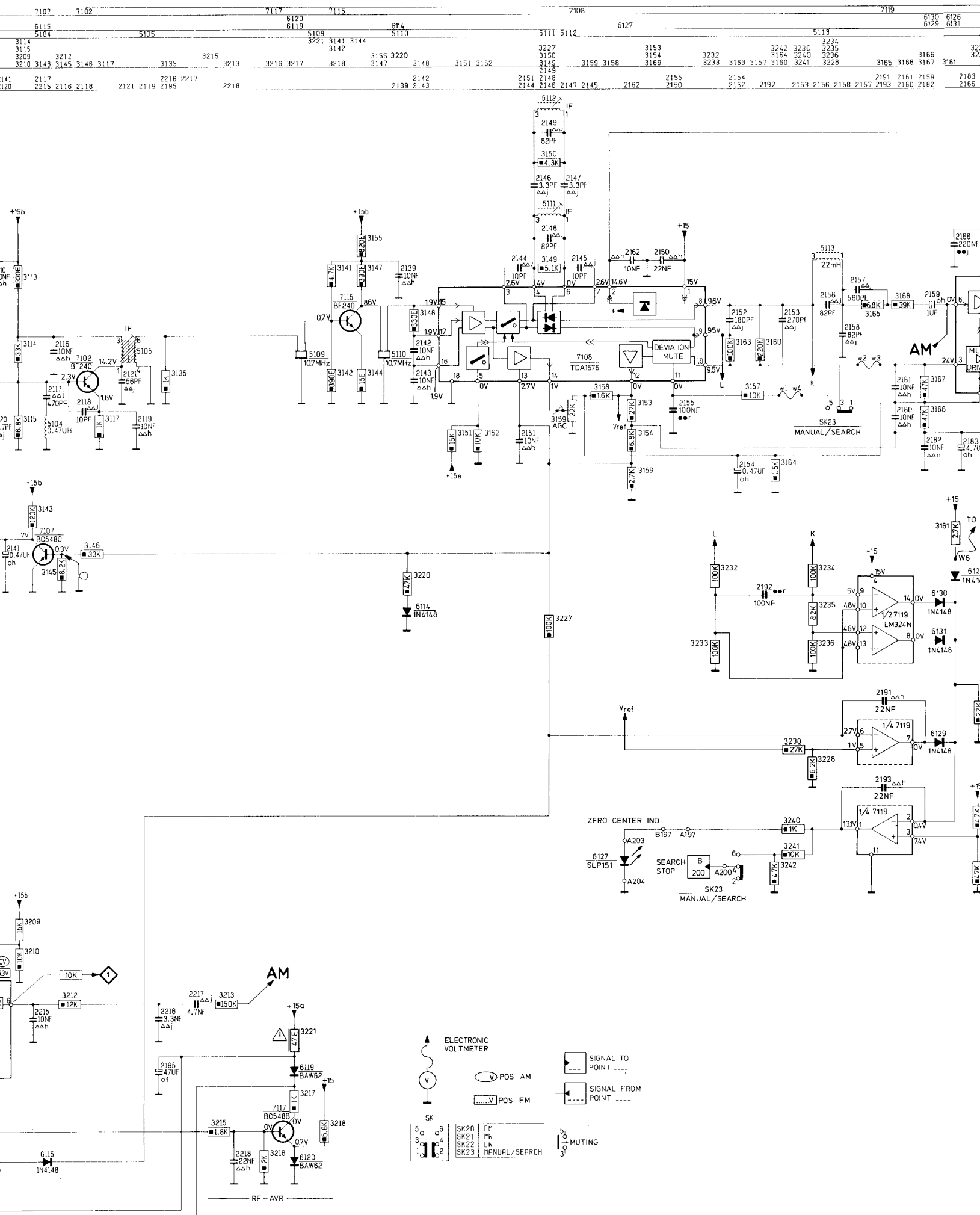




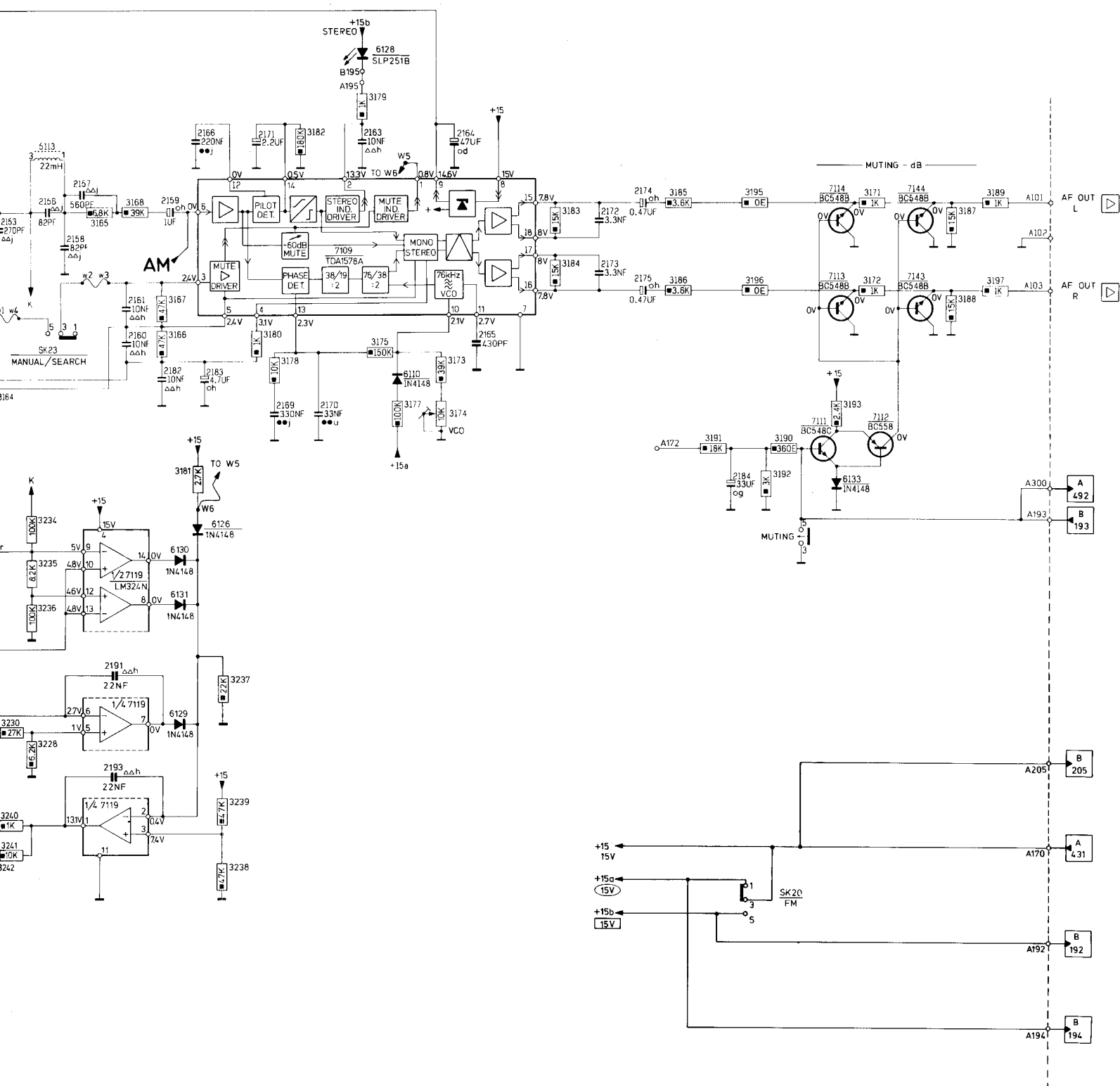
VU-METER + POWER DISPLAY

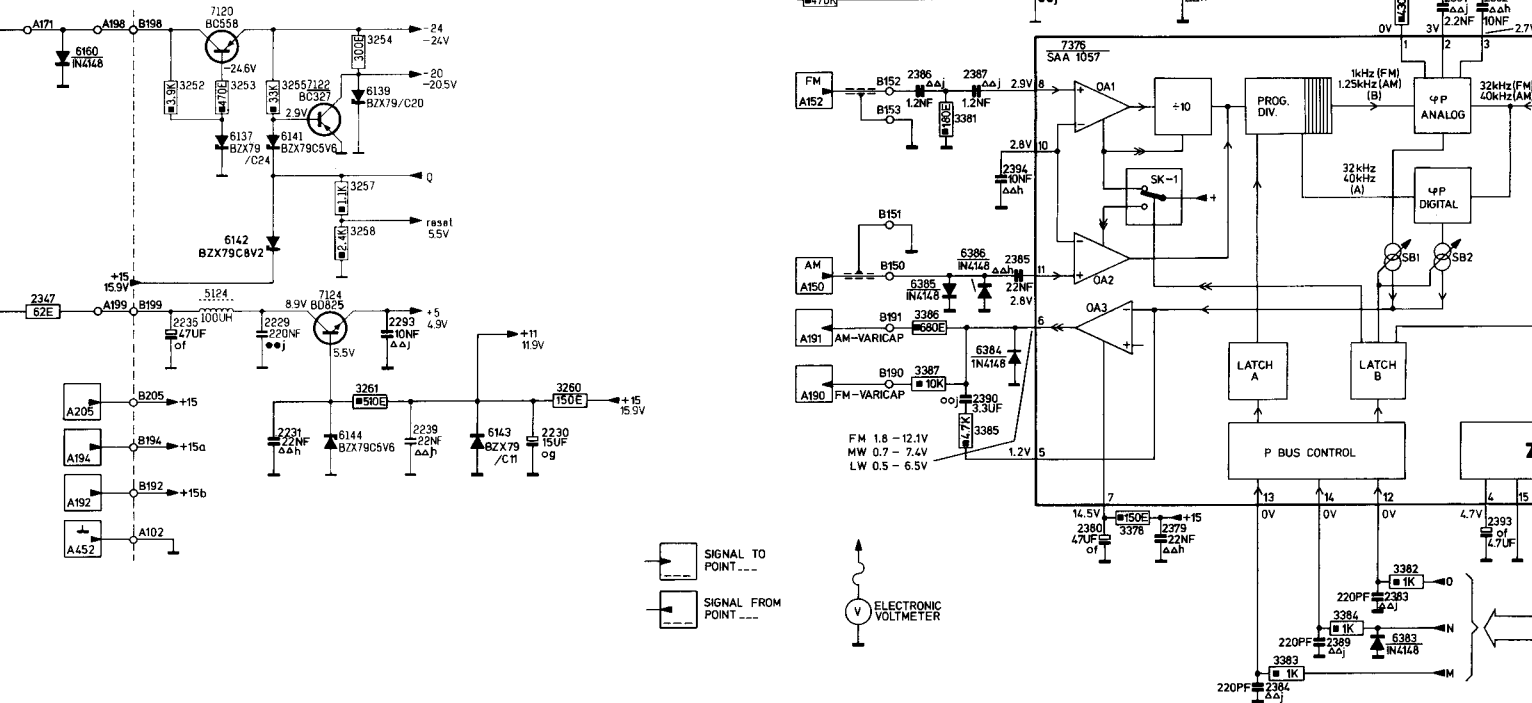


[illegible]

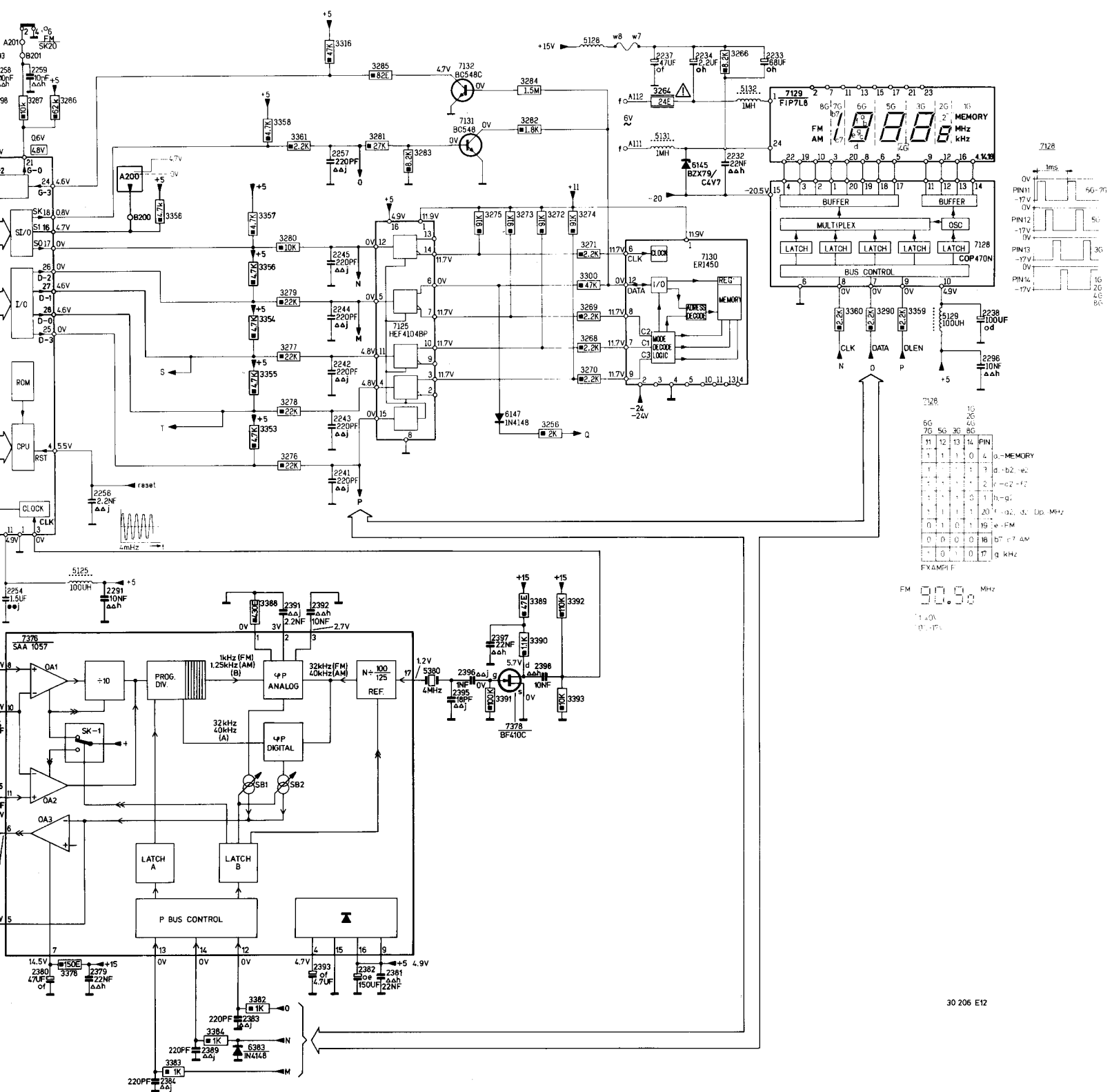


7119	6130	6126	7109	6128	6110	7121	7111	7113	7114	7112	7143	7144
5113	6129	6131					6133					
3234			3239			3185	3190					
3230	3166	3167	3181	3180	3178	3182	3179	3175	3177	3174	3183	3184
3240	3165	3168	3167	3181	3180	3178	3182	3179	3175	3177	3174	3183
3241	3165	3168	3167	3181	3180	3178	3182	3179	3175	3177	3174	3183
	2191	2161	2159	2183	2171	2169	2170	2163	2165	2164	2172	2175
	2193	2160	2182	2186	2171	2169	2170	2163	2165	2164	2172	2175

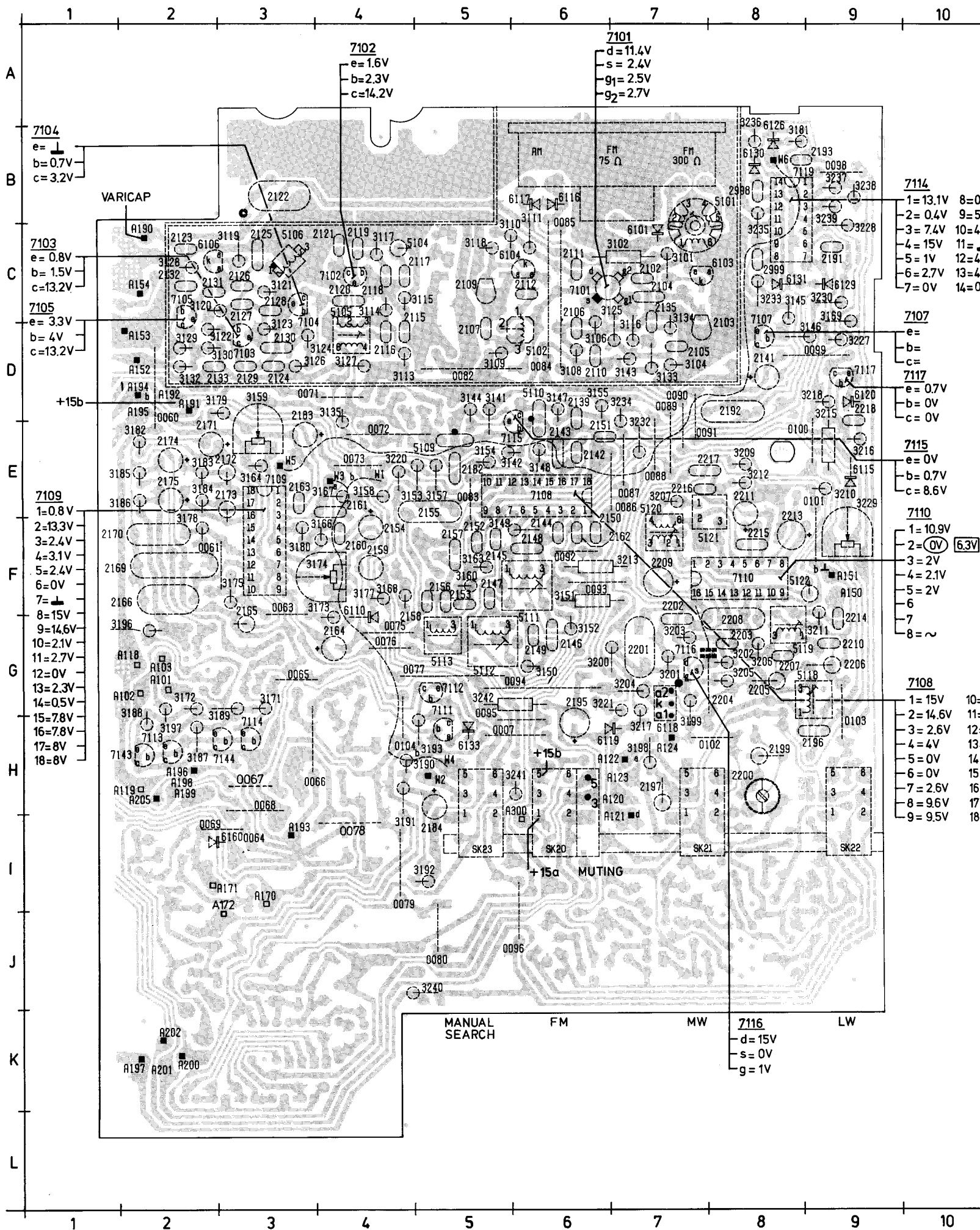


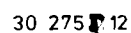


7135	7136	7133	7137	7134	7125	7132	7131	7376	7130	7129	7128
5125	6363	5126	6158		5380	5127	6147		5128	6145	5132
3287	3378	3357	3383	3356	3278	3361	3285	3284	3392	3300	
2380	2370	2298	2379	2260	3384	3353	3279	3282	3393	3269	
2291	2260	2259	2256	2384	3354	3355	3388	3358	3277	3281	3360
2254					2392	2243	2242	3275	3273	3391	3390
					2393	2241	2245	3390	3272	3274	3270
					2382	2381					
					2395	2396		2398			
									2266	2237	2234
										2232	2233
											2258
											2296



7128																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--





A

B

1

7376

1 = 0V	10 = 2.8V
2 = 3V	11 = 2.8V
3 = 2.7V	12 = 0V
4 = 4.7V	13 = 0V
5 = 1.2V	14 = 0V
6 = 1.0-12.1 FM	15 = $\perp$
	0.7 - 7.4 MW
	0.5 - 6.5 LW
7 = 14.5V	16 = 4.9V
8 = 2.8V	17 = 1.2V
9 = 4.9V	18 = 1V

7375

7126

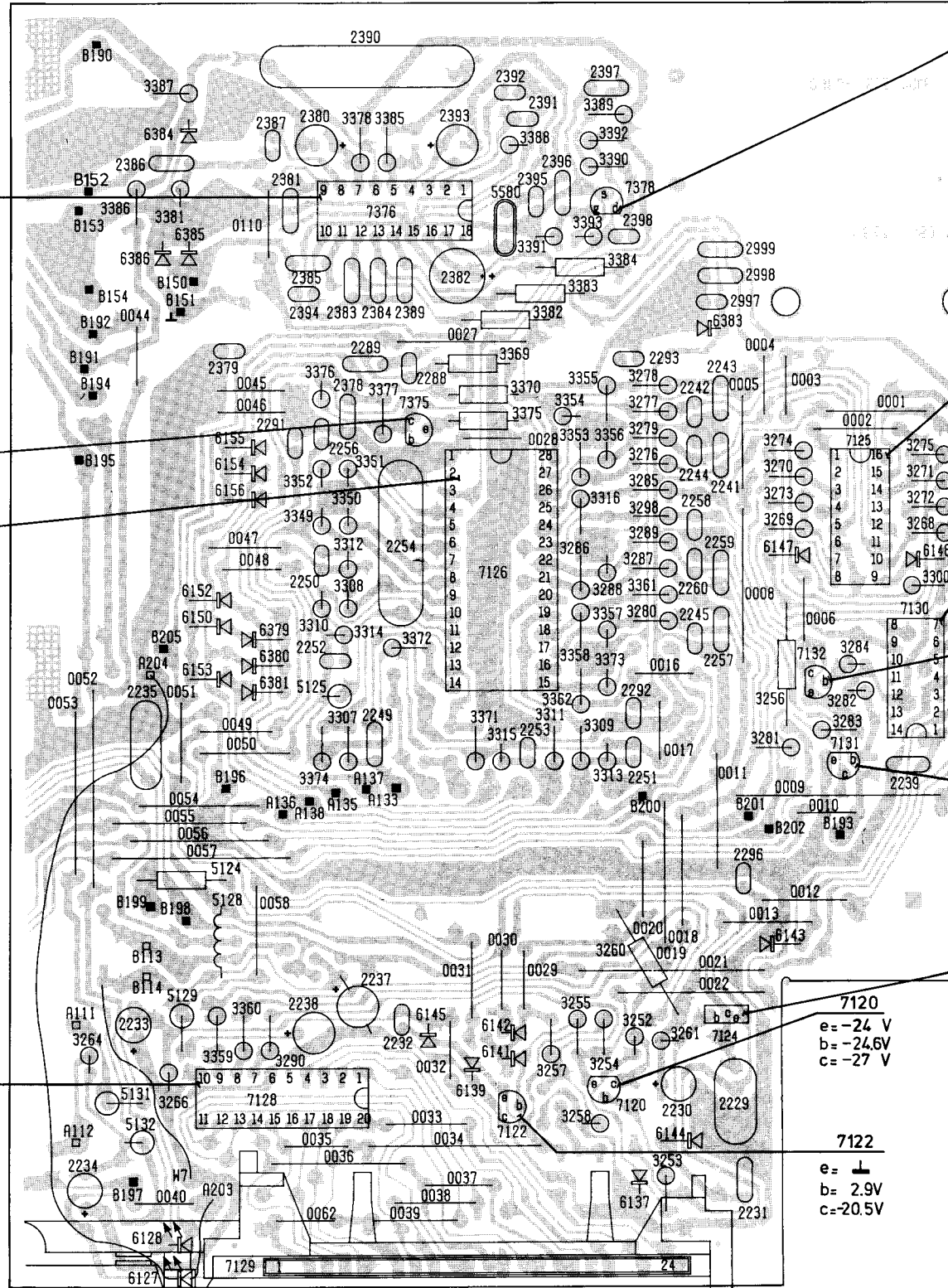
1 = $\perp$	15 = 0V
2 =	16 =
3 = 0V	17 = 0V
4 = 5.5V	18 = 0.8V
5 = 4.6V	19 = 4.6V
6 = 4.6V	20 = 4.6V
7 = 4.6V	21 = 0.6V
8 = 4.6V	22 = 4.8V
9 = 4.6V	23 =
10 = 4.6V	24 = 14V
11 = 4.9V	25 = 4.6V
12 = 0V	26 = 0V
13 = 0V	27 = 0V
14 = 0V	28 = 4.6V

2

7128

6 = $\perp$
7 = 0V
8 = 0V
9 = 0V
10 = 4.9V
15 = -20.5V

3

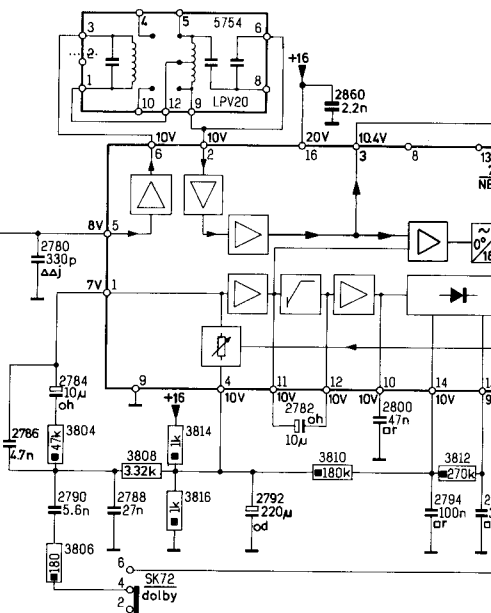
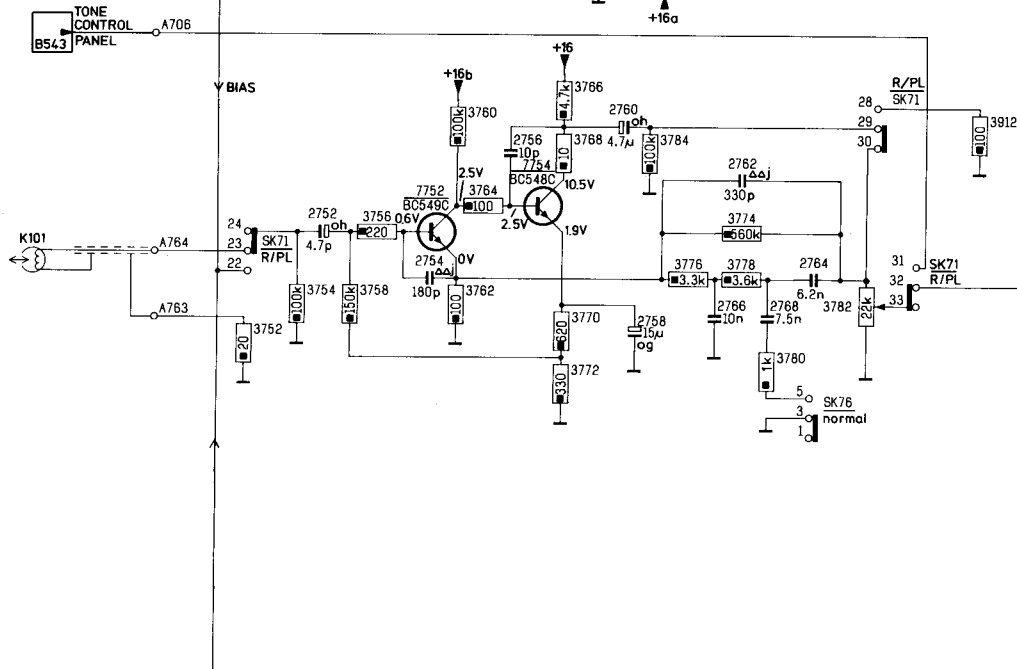
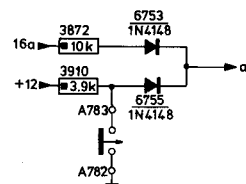
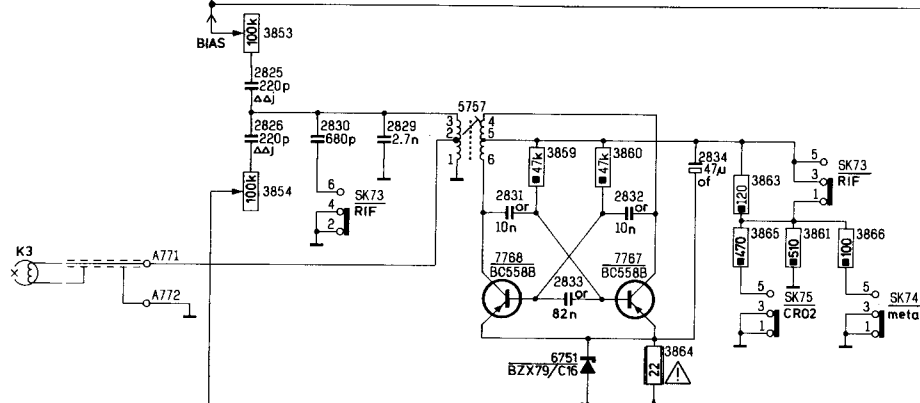
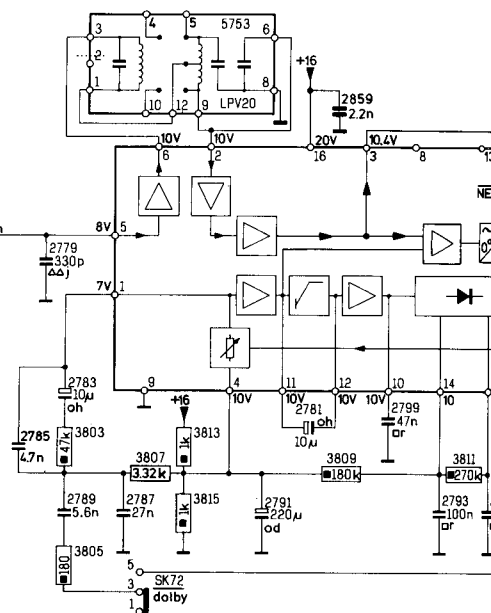


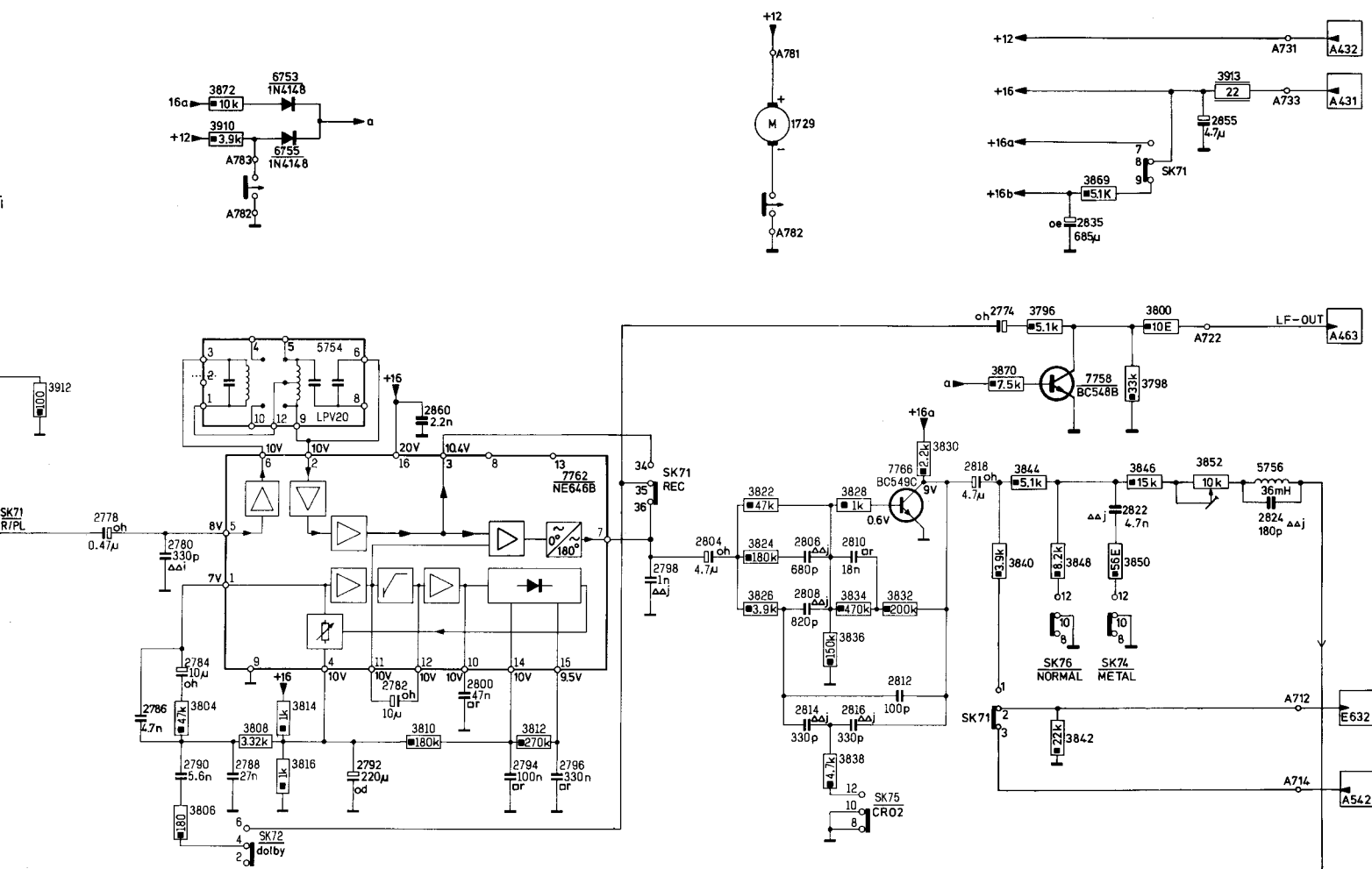
A

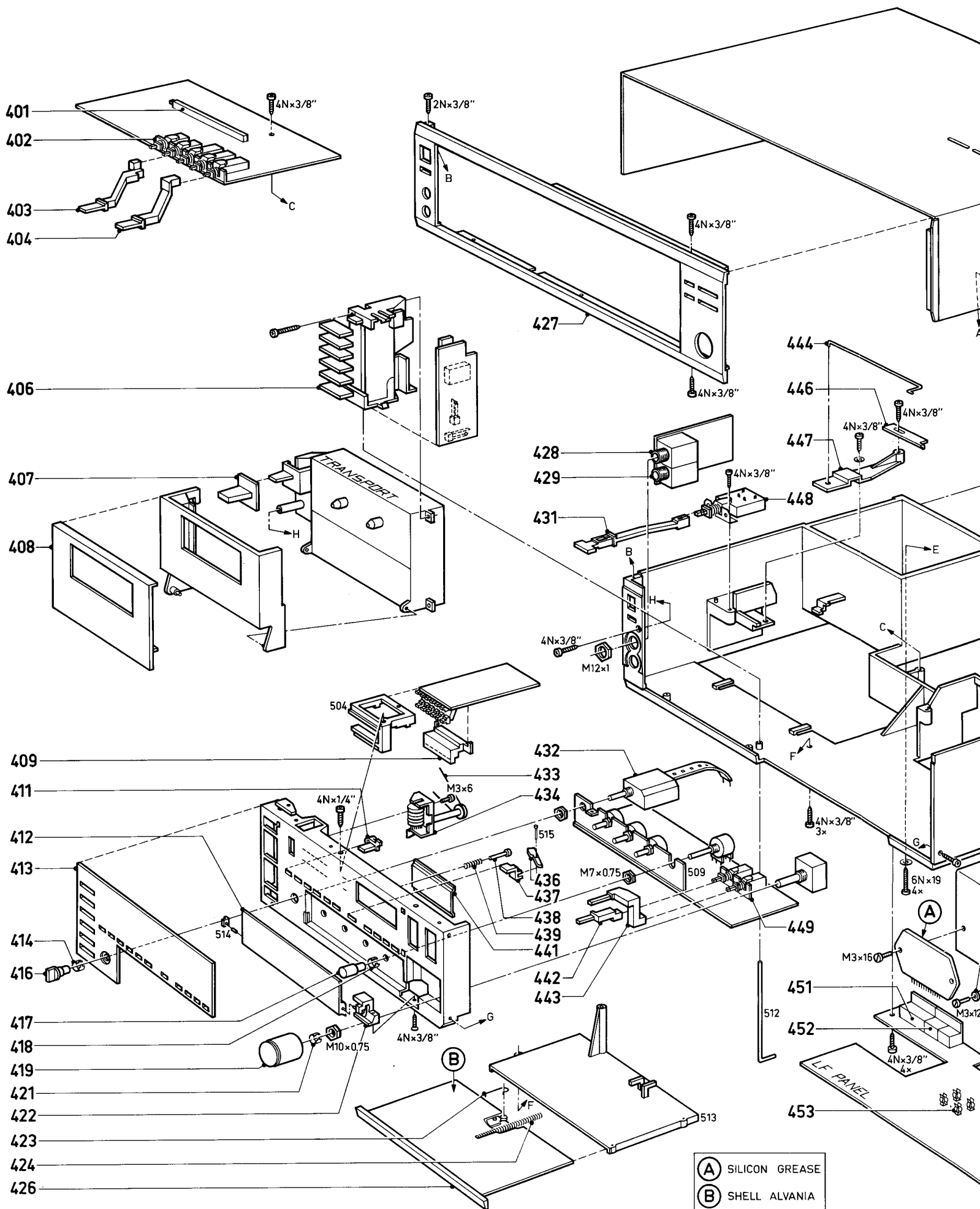
B

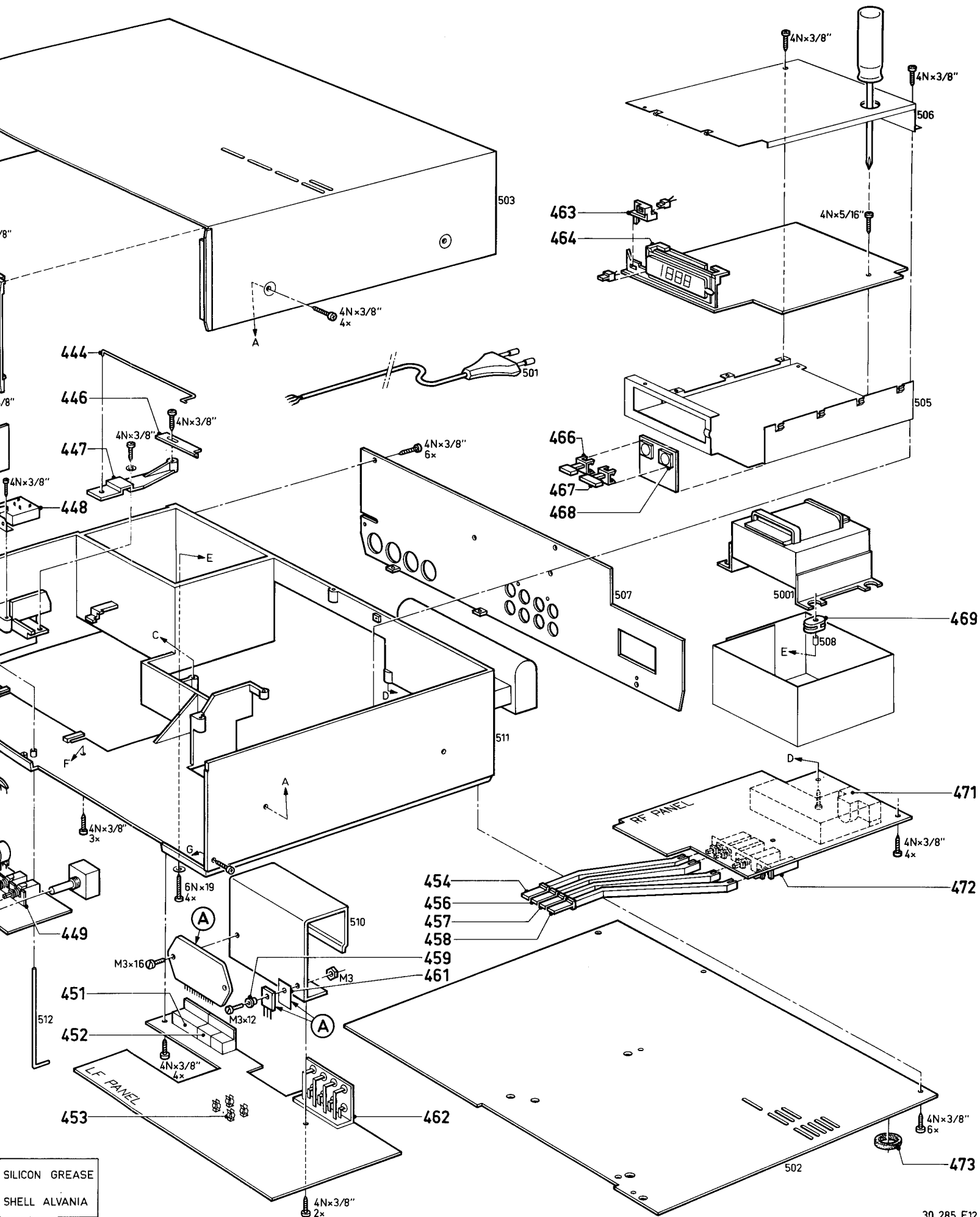
CASS. UNIT

The circuit diagram, labeled 'CASS. UNIT', shows a multi-stage electronic circuit. It begins with an input section on the left featuring a 20k resistor and a 21-pin connector labeled 'SK71 R/PL'. The signal path includes a 2751 10pF capacitor and a 4.7μF capacitor leading to a BC549C transistor (7751) configured as a common emitter amplifier. The transistor's base is biased by a 25V supply through a 100k resistor (3759) and a 10k resistor (3763). The emitter is connected to ground through a 180pF capacitor (2753) and a 100Ω resistor (3761). The collector is connected to a +16V supply through a 10k resistor (3765) and a 10pF capacitor (2755). The output of the first stage is coupled to a second stage through a 10.5V transformer (3767) and a 10k resistor (3768). The second stage is a common emitter amplifier using a 19V supply. The output of the second stage is connected to a 16-pin connector labeled 'R/PL SK71'. The circuit also includes a 330pF capacitor (2781) and a 330k resistor (3773) connected to the 16-pin connector. Other components include a 2757 10pF capacitor, a 2763 10pF capacitor, a 2767 10pF capacitor, a 2768 10pF capacitor, a 2769 10pF capacitor, a 2770 10pF capacitor, a 2771 10pF capacitor, a 2772 10pF capacitor, a 2773 10pF capacitor, a 2774 10pF capacitor, a 2775 10pF capacitor, a 2776 10pF capacitor, a 2777 10pF capacitor, a 2778 10pF capacitor, a 2779 10pF capacitor, a 2780 10pF capacitor, a 2781 10pF capacitor, a 2782 10pF capacitor, a 2783 10pF capacitor, a 2784 10pF capacitor, a 2785 10pF capacitor, a 2786 10pF capacitor, a 2787 10pF capacitor, a 2788 10pF capacitor, a 2789 10pF capacitor, a 2790 10pF capacitor, a 2791 10pF capacitor, a 2792 10pF capacitor, a 2793 10pF capacitor, a 2794 10pF capacitor, a 2795 10pF capacitor, a 2796 10pF capacitor, a 2797 10pF capacitor, a 2798 10pF capacitor, a 2799 10pF capacitor, a 2800 10pF capacitor, a 2801 10pF capacitor, a 2802 10pF capacitor, a 2803 10pF capacitor, a 2804 10pF capacitor, a 2805 10pF capacitor, a 2806 10pF capacitor, a 2807 10pF capacitor, a 2808 10pF capacitor, a 2809 10pF capacitor, a 2810 10pF capacitor, a 2811 10pF capacitor, a 2812 10pF capacitor, a 2813 10pF capacitor, a 2814 10pF capacitor, a 2815 10pF capacitor, a 2816 10pF capacitor, a 2817 10pF capacitor, a 2818 10pF capacitor, a 2819 10pF capacitor, a 2820 10pF capacitor, a 2821 10pF capacitor, a 2822 10pF capacitor, a 2823 10pF capacitor, a 2824 10pF capacitor, a 2825 10pF capacitor, a 2826 10pF capacitor, a 2827 10pF capacitor, a 2828 10pF capacitor, a 2829 10pF capacitor, a 2830 10pF capacitor, a 2831 10pF capacitor, a 2832 10pF capacitor, a 2833 10pF capacitor, a 2834 10pF capacitor, a 2835 10pF capacitor, a 2836 10pF capacitor, a 2837 10pF capacitor, a 2838 10pF capacitor, a 2839 10pF capacitor, a 2840 10pF capacitor, a 2841 10pF capacitor, a 2842 10pF capacitor, a 2843 10pF capacitor, a 2844 10pF capacitor, a 2845 10pF capacitor, a 2846 10pF capacitor, a 2847 10pF capacitor, a 2848 10pF capacitor, a 2849 10pF capacitor, a 2850 10pF capacitor, a 2851 10pF capacitor, a 2852 10pF capacitor, a 2853 10pF capacitor, a 2854 10pF capacitor, a 2855 10pF capacitor, a 2856 10pF capacitor, a 2857 10pF capacitor, a 2858 10pF capacitor, a 2859 10pF capacitor, a 2860 10pF capacitor, a 2861 10pF capacitor, a 2862 10pF capacitor, a 2863 10pF capacitor, a 2864 10pF capacitor, a 2865 10pF capacitor, a 2866 10pF capacitor, a 2867 10pF capacitor, a 2868 10pF capacitor, a 2869 10pF capacitor, a 2870 10pF capacitor, a 2871 10pF capacitor, a 2872 10pF capacitor, a 2873 10pF capacitor, a 2874 10pF capacitor, a 2875 10pF capacitor, a 2876 10pF capacitor, a 2877 10pF capacitor, a 2878 10pF capacitor, a 2879 10pF capacitor, a 2880 10pF capacitor, a 2881 10pF capacitor, a 2882 10pF capacitor, a 2883 10pF capacitor, a 2884 10pF capacitor, a 2885 10pF capacitor, a 2886 10pF capacitor, a 2887 10pF capacitor, a 2888 10pF capacitor, a 2889 10pF capacitor, a 2890 10pF capacitor, a 2891 10pF capacitor, a 2892 10pF capacitor, a 2893 10pF capacitor, a 2894 10pF capacitor, a 2895 10pF capacitor, a 2896 10pF capacitor, a 2897 10pF capacitor, a 2898 10pF capacitor, a 2899 10pF capacitor, a 2900 10pF capacitor, a 2901 10pF capacitor, a 2902 10pF capacitor, a 2903 10pF capacitor, a 2904 10pF capacitor, a 2905 10pF capacitor, a 2906 10pF capacitor, a 2907 10pF capacitor, a 2908 10pF capacitor, a 2909 10pF capacitor, a 2910 10pF capacitor, a 2911 10pF capacitor, a 2912 10pF capacitor, a 2913 10pF capacitor, a 2914 10pF capacitor, a 2915 10pF capacitor, a 2916 10pF capacitor, a 2917 10pF capacitor, a 2918 10pF capacitor, a 2919 10pF capacitor, a 2920 10pF capacitor, a 2921 10pF capacitor, a 2922 10pF capacitor, a 2923 10pF capacitor, a 2924 10pF capacitor, a 2925 10pF capacitor, a 2926 10pF capacitor, a 2927 10pF capacitor, a 2928 10pF capacitor, a 2929 10pF capacitor, a 2930 10pF capacitor, a 2931 10pF capacitor, a 2932 10pF capacitor, a 2933 10pF capacitor, a 2934 10pF capacitor, a 2935 10pF capacitor, a 2936 10pF capacitor, a 2937 10pF capacitor, a 2938 10pF capacitor, a 2939 10pF capacitor, a 2940 10pF capacitor, a 2941 10pF capacitor, a 2942 10pF capacitor, a 2943 10pF capacitor, a 2944 10pF capacitor, a 2945 10pF capacitor, a 2946 10pF capacitor, a 2947 10pF capacitor, a 2948 10pF capacitor, a 2949 10pF capacitor, a 2950 10pF capacitor, a 2951 10pF capacitor, a 2952 10pF capacitor, a 2953 10pF capacitor, a 2954 10pF capacitor, a 2955 10pF capacitor, a 2956 10pF capacitor, a 2957 10pF capacitor, a 2958 10pF capacitor, a 2959 10pF capacitor, a 2960 10pF capacitor, a 2961 10pF capacitor, a 2962 10pF capacitor, a 2963 10pF capacitor, a 2964 10pF capacitor, a 2965 10pF capacitor, a 2966 10pF capacitor, a 2967 10pF capacitor, a 2968 10pF capacitor, a 2969 10pF capacitor, a 2970 10pF capacitor, a 2971 10pF capacitor, a 2972 10pF capacitor, a 2973 10pF capacitor, a 2974 10pF capacitor, a 2975 10pF capacitor, a 2976 10pF capacitor, a 2977 10pF capacitor, a 2978 10pF capacitor, a 2979 10pF capacitor, a 2980 10pF capacitor, a 2981 10pF capacitor, a 2982 10pF capacitor, a 2983 10pF capacitor, a 2984 10pF capacitor, a 2985 10pF capacitor, a 2986 10pF capacitor, a 2987 10pF capacitor, a 2988 10pF capacitor, a 2989 10pF capacitor, a 2990 10pF capacitor, a 2991 10pF capacitor, a 2992 10pF capacitor, a 2993 10pF capacitor, a 2994 10pF capacitor, a 2995 10pF capacitor, a 2996 10pF capacitor, a 2997 10pF capacitor, a 2998 10pF capacitor, a 2999 10pF capacitor, a 3000 10pF capacitor, a 3001 10pF capacitor, a 3002 10pF capacitor, a 3003 10pF capacitor, a 3004 10pF capacitor, a 3005 10pF capacitor, a 3006 10pF capacitor, a 3007 10pF capacitor, a 3008 10pF capacitor, a 3009 10pF capacitor, a 3010 10pF capacitor, a 3011 10pF capacitor, a 3012 10pF capacitor, a 3013 10pF capacitor, a 3014 10pF capacitor, a 3015 10pF capacitor, a 3016 10pF capacitor, a 3017 10pF capacitor, a 3018 10pF capacitor, a 3019 10pF capacitor, a 3020 10pF capacitor, a 3021 10pF capacitor, a 3022 10pF capacitor, a 3023 10pF capacitor, a 3024 10pF capacitor, a 3025 10pF capacitor, a 3026 10pF capacitor, a 3027 10pF capacitor, a 3028 10pF capacitor, a 3029 10pF capacitor, a 3030 10pF capacitor, a 3031 10pF capacitor, a 3032 10pF capacitor, a 3033 10pF capacitor, a 3034 10pF capacitor, a 3035 10pF capacitor, a 3036 10pF capacitor, a 3037 10pF capacitor, a 3038 10pF capacitor, a 3039 10pF capacitor, a 3040 10pF capacitor, a 3041 10pF capacitor, a 3042 10pF capacitor, a 3043 10pF capacitor, a 3044 10pF capacitor, a 3045 10pF capacitor, a 3046 10pF capacitor, a 3047 10pF capacitor, a 3048 10pF capacitor, a 3049 10pF capacitor, a 3050 10pF capacitor, a 3









CASSETTE PANEL

7757
e= — V
b= 0.6 V
c= — V

7758
e= — V
b= 0.6 V
c= — V

7754
e= 1.9 V
b=2.5 V
c=10.5 V

7752
e= — V
b= 0.6 V
c= 2.5 V

7753
e= 1.9 V
b= 1.3 V
c=10.5 V

7762
1= 7 V
2= 10 V
3= 10.4 V
4= 10 V
5= 8 V
6= 10 V
7= 11 V
8= — V
9= — V
10= 10 V
11= 10 V
12= 10 V
13= — V
14= 10 V
15= 9.5 V
16= 20 V

7766
e= — V
b= 0.6 V
c= 9 V

NORMAL CRO 2 METAL RIF DOLBY 7766

7762

1=	7 V
2=	10 V
3=	10.4 V
4=	10 V
5=	8 V
6=	10 V
7=	11 V
8=	— V
9=	— V
10=	10 V
11=	10 V
12=	10 V
13=	— V
14=	10 V
15=	9.5 V
16=	20 V

NORMAL

CRO 2

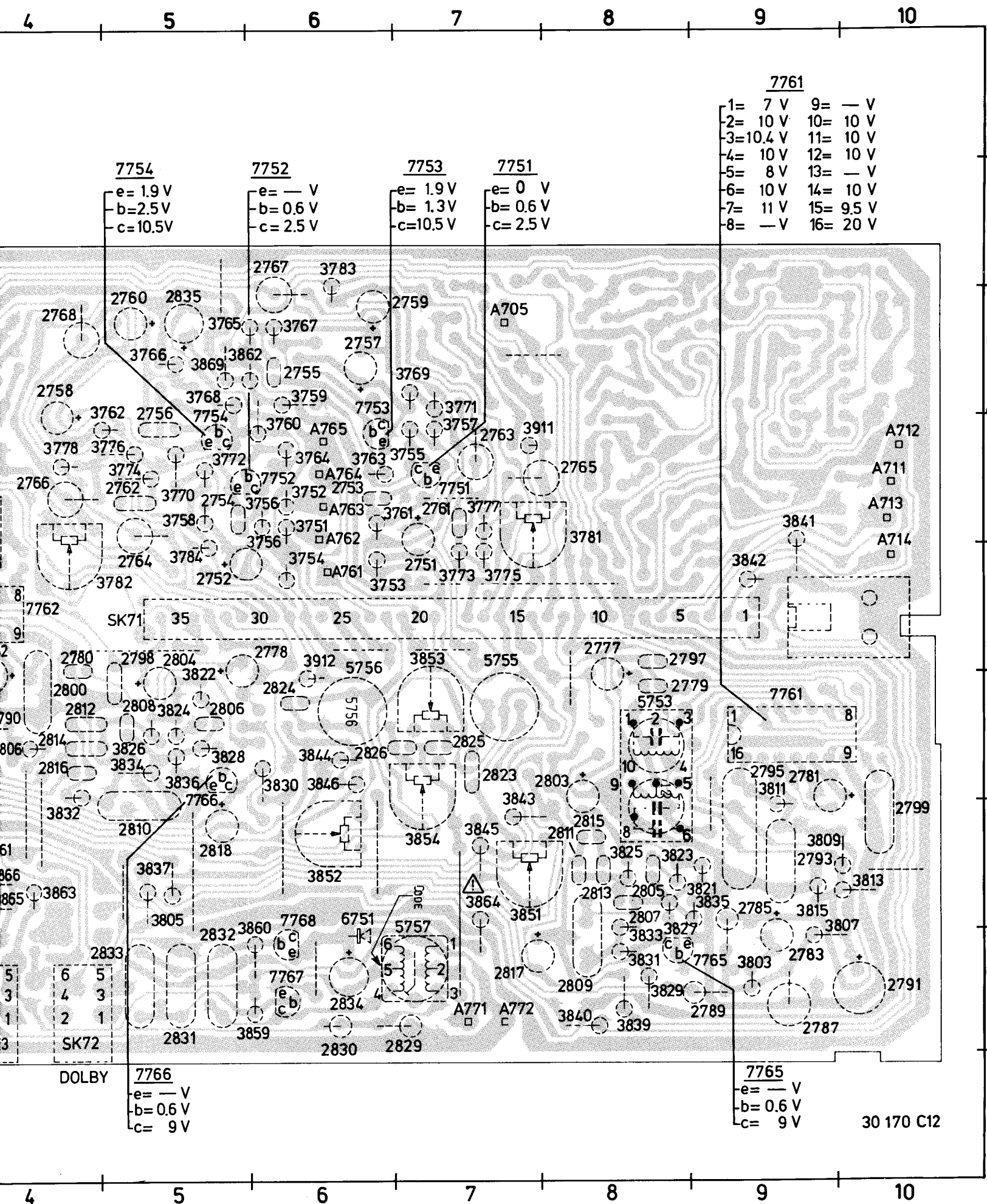
METAL

RIF

DOLBY

7766

$$\begin{cases} e = -V \\ b = 0.6V \\ c = 9V \end{cases}$$



401	4822 277 20791	426	4822 278 30118	451	4822 267 30377
402	4822 276 11003	427	4822 444 30339	452	4822 267 30271
403	4822 410 40362	428	4822 267 30378	453	4822 492 60063
404	4822 410 40362	429	4822 267 30398	454	4822 410 40367
406	4822 410 40359	431	4822 410 40368	456	4822 410 40367
407	4822 413 70161	432	4822 321 30256	457	4822 410 40365
408	4822 443 60955	433	4822 358 30342	458	4822 410 40364
409	4822 255 40288	434	4822 349 50156	459	4822 532 50991
411	4822 417 30065	436	4822 404 20436	461	4822 255 40161
412	4822 443 60954	437	4822 410 40358	462	4822 267 40462
413	4822 450 60252	438	4822 535 91411	463	4822 255 40287
414	4822 492 60268	439	4822 492 51475	464	4822 466 91255
416	4822 413 31076	441	4822 381 10622	466	4822 410 30259
417	4822 413 31077	442	4822 410 40363	467	4822 410 40361
418	4822 532 10284	443	4822 410 40366	468	4822 276 10998
419	4822 413 41086	444	4822 535 91409	469	4822 462 71259
421	4822 492 60268	446	4822 404 20435	471	4822 265 40145
422	4822 417 10714	447	4822 417 10721	472	4822 276 40298
423	4822 492 62654	448	4822 276 10807	473	4822 462 40416
424	4822 492 51476	449	4822 276 11004		

LF PART

					
3401	Safe res 1E 0.5 W	4822 111 30339	6401	BY225/100	4822 130 50312
3402	1 E 5% 0.5 W	4822 111 30339	6402	1N4002G	5322 130 30684
3406	1 E 5% 0.5 W	4822 111 30339	6403	1N4002G	5322 130 30684
3407	1 E 5% 0.5 W	4822 111 30339	6404	BZX79/C16	4822 130 32268
3411	Non flame 33 E 0.33 W	4822 111 30522	6405	BAX14A	4822 130 31719
3422	1.2 K	4822 110 73109	6406	BAX14A	4822 130 31719
3458	0 E-0.33 W	4822 116 51406	6407	BZ79/C15	4822 130 34281
3465	316 K 0.4 W	5322 116 55268	6408	BAX12A	5322 130 34605
3466	316 K 0.4 W	5322 116 55268	6409	1N4148	4822 130 30621
3503	Rec vol 2x47 K log	4822 102 30399	6410	BZX79/C36	4822 130 34368
3509	Volume 2x(20+80) K	4822 102 30389	6411	1N4148	4822 130 30621
3510	Balance 2x100 K	4822 102 30397	6412	1N4148	4822 130 30621
3531	Bass 2x30 K	4822 102 30398	6413	1N4148	4822 130 30621
3539	Treble 2x30 K	4822 102 30398	6414	BZX79/C18	4822 130 31024
3611	270 E 1.6 W	4822 116 51103	6415	1N4148	4822 130 30621
3612	270 E 1.6 W	4822 116 51103	6416	1N4148	4822 130 30621
3616	Non flame 22 E 0.33 W	4822 111 30517	6501	BZX79/C6V2	4822 130 31111
3631	Trimpot 10 K	4822 100 10035	6631	SLP252B-40	4822 130 31704
3632	Trimpot 10 K	4822 100 10035	6632	SLP252B-40	4822 130 31704
3653	Safe res 47 E 0.5 W	4822 111 30006	6633	SLP151B-40	4822 130 31703
3654	Safe res 47 E 0.5 W	4822 111 30006	6634	SLP151B-40	4822 130 31703
3663	2.2 E 1.6 W	4822 116 51499	6651	BA315	4822 130 30843
3664	2.2 E 1.6 W	4822 116 51499	6652	BA315	4822 130 30843
3684	Safe res 22 E 0.5 W	4822 111 30002	6653	BA315	4822 130 30843
			6654	BA315	4822 130 30843
					
2401	3300 μ F-40 V	4822 124 21252	7401	BD645	4822 130 41123
2402	3300 μ F-40 V	4822 124 21252	7402	BC548C	4822 130 44196
2413	10 nF 100 V - 20+50%	4822 122 31618	7403	BC337	4822 130 40855
2414	10 nF 100 V - 20+50%	4822 122 31618	7601	BC549B	4822 130 40936
2421	10 nF 100 V - 20+50%	4822 122 31618	7602	BC558	4822 130 40941
2429	10 nF 100 V - 20+50%	4822 122 31618	7651	BC638	4822 130 41087
2435	Low leak 1.5 μ F 50 V	4822 124 21236	7652	BC638	4822 130 41087
2454	Low leak 1.5 μ F 50 V	4822 124 21236	7653	BC556	4822 130 40989
2467	0.01 μ F 250 V 10%	4822 121 41134	7654	BC556	4822 130 40989
2468	0.01 μ F 250 V 10%	4822 121 41134			
2471	Low leak 15 μ F - 40 V	4822 124 21291	-IC-		
2472	Low leak 15 μ F - 40 V	4822 124 21291			
2505	Low leak 1.5 μ F 50 V	4822 124 21125			
2506	Low leak 1.5 μ F 50 V	4822 124 21125			
2601	Low leak 1.5 μ F 50 V	4822 124 21236			
			7451	NJM4558DD	4822 209 81054
5651	3.6 μ H	4822 157 50718	7501	AN7060	4822 209 81436
5652	3.6 μ H	4822 157 50718	7502	AN7060	4822 209 81436
			7631	IR-2E02	4822 209 80943
			7632	IR-2E02	4822 209 80943

RF + DIGITAL PART

					
3116	62 K 0.33 W	4822 110 70155	2103	10 pF Trimmer	4822 125 50186
3125	62 K 0.33 W	4822 110 70155	2109	10 pF Trimmer	4822 125 50186
3159	Trimpot 22 K	4822 100 10051	2165	430 pF 630 V 1%	5322 121 54129
3174	10 K Trimpot	4822 100 10035	2171	Low leak 2.2 μ F 50 V	4822 121 50807
3195	Zero Ohm	4822 116 51406	2172	3.3 nF 63 V	5322 121 54049
3196	Zero Ohm	4822 116 51406	2173	3.3 nF 63 V	5322 121 54049
3221	Non flame 47 E 0.33 W	4822 111 30526	2197	3.6 nF 63 V	4822 121 50088
3229	22 K Trimpot	4822 100 10051	2198	10 pF Trimmer	4822 125 50062
3232	100 K 0.4 W	4822 116 51268	2199	110 pF 630 V	5322 121 54058
3233	100 K 0.4 W	4822 116 51268	2200	22 pF Trimmer	4822 125 50045
3234	100 K 0.4 W	4822 116 51268	2205	427 pF 630 V	4822 121 50785
3235	8.2 K 0.4 W	4822 116 51296	2206	427 pF 630 V	4822 121 50785
3236	100 K 0.4 W	4822 116 51268			
3245	Non flame 2.2 E 0.33 W	4822 111 30492	6101	BA220	4822 130 34221
3247	62 E 5 W	4822 116 51622	6103	BB304Y	4822 130 31705
3254	300 E 0.5 W	5322 116 55322	6104	BB304Y	4822 130 31705
3260	110 E 5% 1.6 W	4822 116 51648	6106	BB304Y	4822 130 31705
3263	Non flame 1.5 E 0.33 W	4822 111 30487	6110	1N4148	4822 130 30621
3264	Non flame 24 E 0.33 W	4822 111 30518	6111	1N4148	4822 130 30621
3284	1.5 M 0.33 W	4822 110 72192	6112	1N4148	4822 130 30621
			6114	1N4148	4822 130 30621
5101	Aerial	4822 157 51465	6115	1N4148	4822 130 30621
5102	RF	4822 157 51466	6116	BZX79/C8V2	4822 130 34382
5104	0.47 μ H	4822 157 50967	6117	BZX79/C8V2	4822 130 34382
5105		4822 156 30692	6118	BB212	4822 130 31129
5106		4822 157 51171	6119	BAW62	4822 130 30613
5109	SFE 10.7 M	4822 242 70249	6120	BAW62	4822 130 30613
5110	SFE 10.7 M	4822 242 70249	6126	1N4148	4822 130 30621
5111	FM IF 10.7 MHz	4822 156 30859	6127	SLP151B	4822 130 31476
5112	FM IF 10.7 MHz	4822 156 30859	6128	SLP251B	4822 130 31702
5113	22 mH	4822 156 20743	6129	1N4148	4822 130 30621
5117	Ferroceptor	4822 158 60489	6130	1N4148	4822 130 30621
5118	22 mH	4822 156 20743	6131	1N4148	4822 130 30621
5119	Osc. AM	4822 156 10459	6133	1N4148	4822 130 30621
5120	AM IF	4822 156 30767	6137	BZX79/C24	4822 130 34398
5121	SFP450-3	4822 242 70487	6138	1N4148	4822 130 30621
5124	100 μ H	4822 157 50964	6139	BZX79/C20	4822 130 31245
5125	100 μ H	4822 157 50964	6141	BZX79/C5V6	4822 130 34173
5128	1000 μ H	4822 157 50975	6142	BZX79/C8V2	4822 130 34382
5129	100 μ H	4822 157 50964	6143	BZX79/C11	4822 130 34488
5131	1000 μ H	4822 157 50975	6144	BZX79/C5V6	4822 130 34173
5132	1000 μ H	4822 157 50975	6145	BZX79/C4V7	4822 130 34174
5380	Quartz cristal 4 MHz	4822 242 70325	6147	1N4148	4822 130 30621
			6148	1N4148	4822 130 30621
7101	BF982	4822 130 41817	6150	1N4148	4822 130 30621
7102	BF240	4822 130 40902	6152	1N4148	4822 130 30621
7103	BF494	4822 130 44195	6153	1N4148	4822 130 30621
7104	BF494	4822 130 44195	6154	1N4148	4822 130 30621
7105	BF494	4822 130 44195	6155	1N4148	4822 130 30621
7107	BC548C	4822 130 44196	6160	1N4148	4822 130 30621
7111	BC548C	4822 130 44196	6379	1N4148	4822 130 30621
7112	BC558	4822 130 40941	6380	1N4148	4822 130 30621
7113	BC548B	4822 130 40937	6381	1N4148	4822 130 30621
7114	BC548B	4822 130 40937	6383	1N4148	4822 130 30621
7115	BF240	4822 130 40902	6384	1N4148	4822 130 30621
7116	BF410C	4822 130 41482	6385	1N4148	4822 130 30621
7117	BC548B	4822 130 40937	6386	1N4148	4822 130 30621
7120	BC558	4822 130 40941			
7122	BC327	4822 130 40854	7108	TDA1576 FM-IF	4822 209 80872
7124	BD825	4822 130 41746	7109	TDA1578A stereo dec.	4822 130 44196
7131	BC548	4822 130 40938	7110	TDA1072 AM-IF+osc	4822 209 80754
7132	BC548C	4822 130 44196	7119	LM324N quad op amp	4822 209 80587
7143	BC548B	4822 130 40937	7125	HEF4104BP	4822 209 10273
7144	BC548B	4822 130 40937	7126	COP420-CQJ	4822 209 10319
7375	BC548B	4822 130 40937	7128	COP470/N display-DR	4822 130 90078
7378	BF410C	4822 130 41482	7129	FIP 7L8 Display	4822 130 90103
			7130	ER1450 earom	4822 209 10321
			7376	SAA1057 Synthesiser	4822 209 81002

CASSETTE PART

					
3781	22 K Trimpot	4822 100 10051	5753	Low-pass filter	4822 156 10642
3260	110 E 5% 1.6 W	4822 116 51648	5754	Low-pass filter	4822 156 10642
3782	22 K Trimpot	4822 100 10051	5755	36 mH	4822 156 20811
3807	3.32 K 0.4 W	5322 116 54005	5756	36 mH	4822 156 20811
3808	3.32 K 0.4 W	5322 116 54005	5757	Osc. coil	4822 156 20946
3851	10 K Trimpot	4822 100 10035			
3852	10 K Trimpot	4822 100 10035			
3853	100 K Trimpot	4822 100 10052			
3854	100 K Trimpot	4822 100 10052			
3864	Non flame 22 E 0.33 W	4822 111 30517			
3913	Non flame 22 E 0.33 W	4822 111 30517	6751	BZX79/C13	4822 130 34195
			6753	1N4148	4822 130 30621
			6755	1N4148	4822 130 30621
					
2755	10 pF 2% NPO	4822 122 31054	7751	BC549C	4822 130 44246
2756	10 pF 2% NPO	4822 122 31054	7752	BC549C	4822 130 44246
2763	6.2 nF 63Y 5%	4822 121 50633	7753	BC548C	4822 130 44196
2764	6.2 nF 63Y 5%	4822 121 50633	7754	BC548C	4822 130 44196
2765	10 nF 63 V 5%	5322 121 54154	7757	BC548B	4822 130 40937
2766	10 nF 63 V 5%	5322 121 54154	7758	BC548B	4822 130 40937
2767	7.5 nF 63 V 5%	5322 121 54149	7765	BC549C	4822 130 44246
2768	7.5 nF 63 V 5%	5322 121 54149	7766	BC549C	4822 130 44246
2785	4.7 nF 63 V 1%	4822 121 50539	7767	BC558B	4822 130 44197
2786	4.7 nF 63 V 1%	4822 121 50539	7768	BC558B	4822 130 44197
2787	27 nF 63 V 1%	4822 121 50607			
2788	27 nF 63 V 1%	4822 121 50607			
2789	5.6 nF 63 V 1%	4822 121 50543	7761	NF646BN	4822 209 80713
2790	5.6 nF 63 V 1%	4822 121 50543	7762	NF646BN	4822 209 80713
2811	100 pF 2%	4822 122 31081			
2812	100 pF 2%	4822 122 31715			
2829	2.7 nF 63 V 5%	5322 121 54065			
2830	680 pF 250 V 5%	5322 121 54174			

U201 MOTOR PCB

IC443	TDA1059B	4822 209 80361
R478	100 E 0.1 W	4822 100 10073
R614	249 E 0.4 W	5322 116 54499
SK-61		4822 277 20778
SK-62		4822 278 30117
SK-63		4822 278 30117
	Clip for IC443	4822 255 40128

Miscellaneous

1401,1402	Fuse 2.5 A slow	4822 253 30026
1651	STK2125	4822 209 81184
5001	Mains trafo	4822 146 40312
K1,K101	Rec/PB head	4822 249 10148
K2	Erase head	4822 249 40117
M1	Motor	4822 361 20232
	Slide switch	4822 277 20824