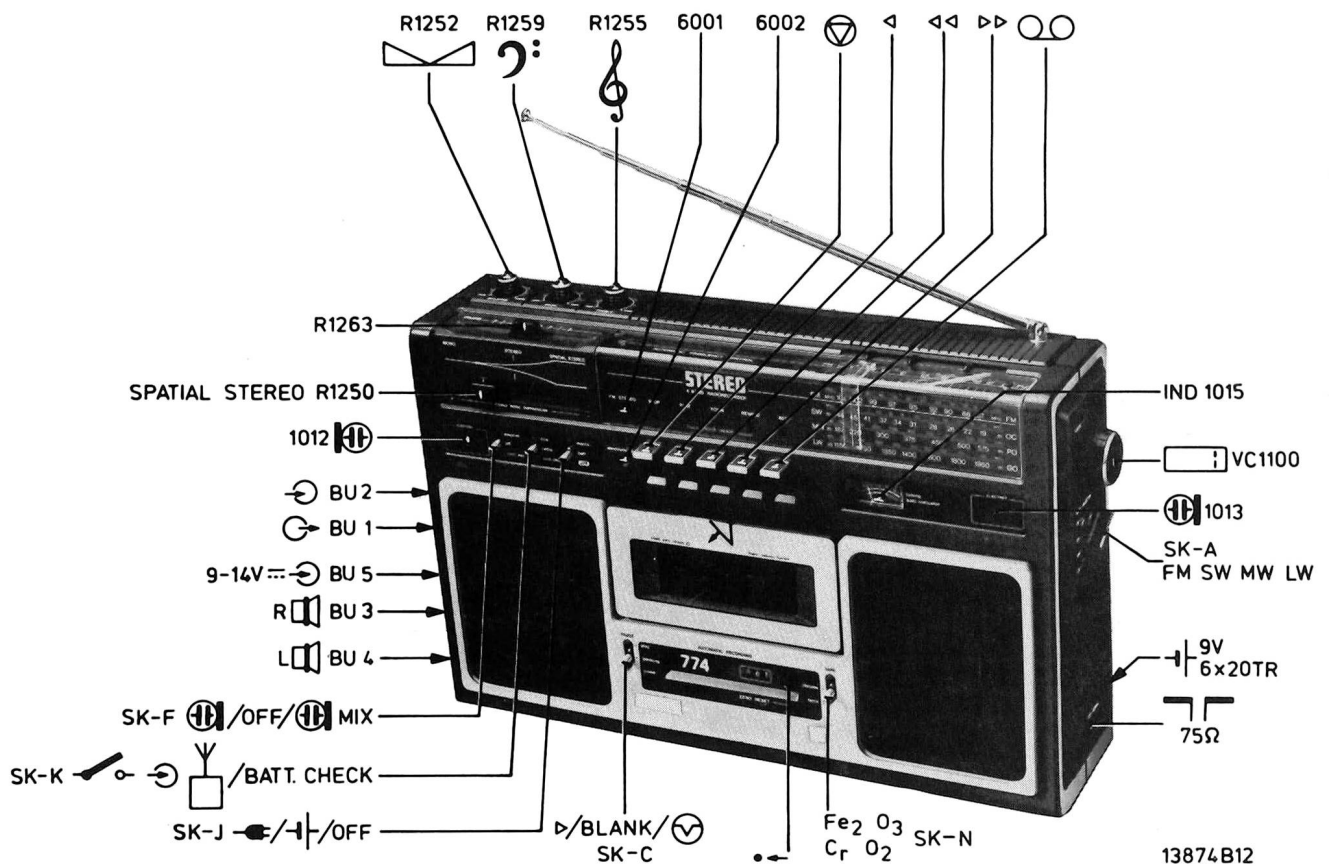



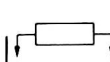














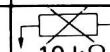



















Service  
Service  
Service

# Service Manual













SK...							
AM	/00 /15 468 kHz /28 /50 /19/59 460 kHz	   			5125 5124 5119 5115		 max.
LW - G.O. 150-260 kHz	147 kHz		Max. cap.		5509 1 + 3 10 k $\Omega$	5111	 max.
SW - O.C. 5.95-15.45 MHz	5.83 MHz					5110	
MW - P.O. 520-15.45 MHz	1635 kHz		Min. cap.			2135	
SW - O.C. 5.95-15.45 MHz	15.76 MHz					2130	
LW - G.O. 150-260 kHz	157 kHz				 10 k $\Omega$ 5509 1 + 3	5509	 max.
MW - P.O. 520-1605 kHz	550 kHz 1500 kHz					1110 2120	
SW - O.C. 5.95-15.45 MHz	6.2 MHz 14.5 MHz					5108 1100e	
FM	 10,7 MHz via 5 nF $\Delta f \pm 180$ kHz (50 Hz)	   		5125		5123 5118 5114 5105 5104	 
FM 87.5-104 MHz	86.5 MHz 105 MHz 86.5 MHz	  	Max. cap. Min. cap. Max. cap.			5103 5101 1100d 1100b 5125	   




↑ Repeat - Répéter

#### Stereo decoder

#### Décodeur stéréo

SK...	PM6455 				
FM (87.5-104 MHz)	100 MHz + 19 kHz		 100 MHz	5401	 .13 IC6400 Max.
	100 MHz + 19 kHz + 1 kHz/5 kHz + L		 100 MHz	5400	BU1 (5-2) R min.

## SPECIFICATION

	9 V (6xR20)	Wow and flutter	: $\leq 0.35 \%$
	110 V, 127 V, 220 V, 240 V 50-60 Hz	Tape speed	: 4.75 cm/sec at 15-35 °C
	2x3 W $\pm 1$ dB 4 $\Omega$ 2x2 W $\pm 1$ dB 4 $\Omega$ 3.5x6"	Playback freq. resp.	: 80-10000 Hz within 6 dB
IF AM	468 kHz	Rec/freq. resp. acc to DIN 45511 (Fe2O3 tape)	
IF FM	10.7 MHz	Power consumption (no output)	
		220 V	3.3 W
		9 V	0.54 W
SW	5.75-15.45 MHz		
MW	520-1605 kHz		
LW	150-260 kHz		
FM	87.5-104 MHz		

GB

### Changing the voltage

For change-over to another mains voltage, see circuit and wiring diagrams.

Besides, the type plate **must** be adapted.

#### Important:

The extra wire that makes a connection between the screening of the FM and the loudspeaker, functions as counter pole of the telescopic aerial and the screening of the HF-section. Therefore, the length and position of this wire are important.

F

### Changement de la tension

Pour ce qui est de la commutation de la tension secteur, consulter le schéma de principe et le plan de câblage. La plaquette de type **devra** alors aussi être modifiée.

#### Attention:

La liaison additionnelle entre le blindage et le H.P. sert de pôle opposé pour l'antenne télescopique et le blindage de la section HF. La longueur de ce fil et sa position sont dès lors importants.

NL

### Spanningsomschakeling

Voor omschakeling naar een andere netspanning zie principeschema en bedradingsschema.

Tevens **moet** het typeplaatje aangepast worden.

#### Belangrijk:

De extra draad die een verbinding maakt tussen de afscherming van de FM en de LS dient als tegenpool van de telescoopantenne en afscherming van het H.F. gedeelte. De lengte en ligging van deze draad is daarom belangrijk.

D

### Spannungsumschaltung

Zum Umschalten auf eine andere Netzspannung siehe Prinzipschaltbild und Verdrahtungsplan.

Auch **muss** die Typenplatte angepasst werden.

#### Wichtig:

Der extra Draht, die die Abschirmung der F.M. und den Lautsprecher verbindet, dient als Gegenpol der Teleskopantenne und der Abschirmung des HF-Teils. Die Länge und die Lage dieses Drahtes sind darum wichtig.

I

### Cambiamento della tensione



Per quanto concerne la commutazione delle tensione rete, vedere lo schema di principio e quello di cablaggio.

La piastrina di tipo **dovrà** anche essere adattata.



#### Nota:

Il collegamento addizionale fra la schermatura e l'altoparlante serve di polo opposto per l'antenna telescopica e la schermatura della sezione AF. La lunghezza di questo cordone e la sua posizione sono quindi importanti.



(GB)

- 1 Open jumper .
- 2 Adjust for maximum slope and symmetry of the "S" curve.
- 3 Close jumper .



(F)

- 1 Ouvrir le pontet .
- 2 Ajuster sur une pente maximum et sur symétrie de la courbe en "S".
- 3 Fermer le pontet .



(NL)

- 1 Open brug .
- 2 Regel af op maximale helling en symetrie van de "S" kromme.
- 3 Sluit brug .

(D)

- 1 Brücke  öffnen.
- 2 Auf maximale Steilheit und Symmetrie der "S"-Kurve justieren.
- 3 Brücke  schliessen.

(I)

- 1 Aprire il ponticello .
- 2 Regolare per pendenza massima e per simmetria della curva ad "S".
- 3 Chiudere il ponticello .

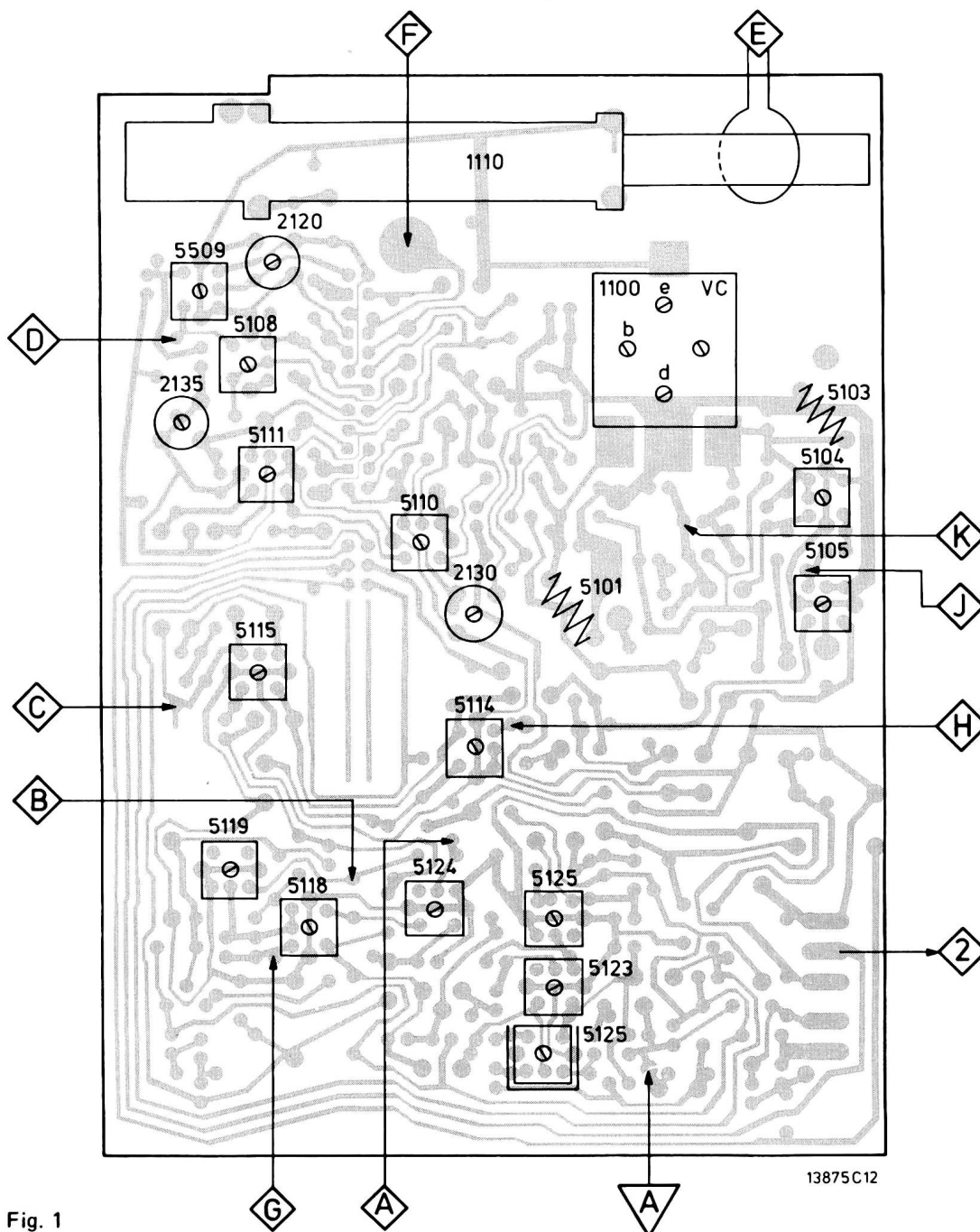
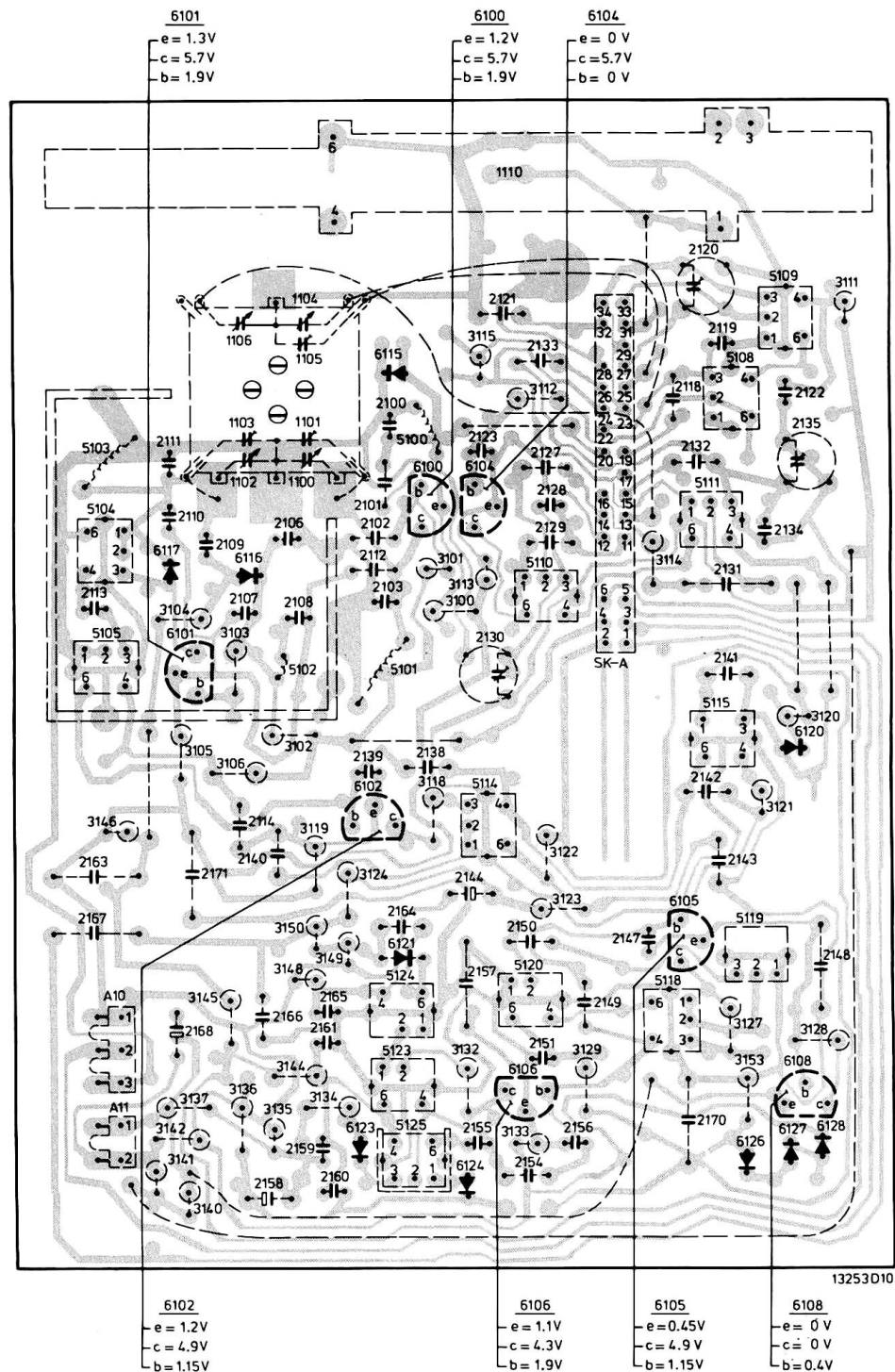


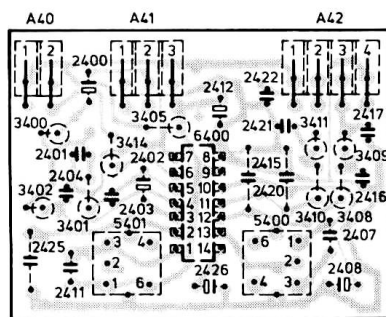
Fig. 1



MISC.	S	C	R
	1110		
	5109	2119 2121 1104 1106	3111
6115	5108	2132	3115
5100		2135	
		2118	3112
		2122	
		2100	
6100	5103	2103	
6104		1100	
		1103	
		2123	
	5111	2106	
	5104	2113	
		2127	
	5110	2129	3114
6117		2131	
6116			3101
			3113
			3100
			3104
6101	5105	2130	
SK-A	5102	2141	3103
	5115		3120
6120			3105
			3102
6102		2138	
		2139	
		2142	
	5114		3121
			3118
		2114	3146
		2140	3119
		2143	3122
		2163	3124
6105		2171	
		2144	
		2164	
		2167	3150
6121	5119	2150	3149
		2147	
	5120		3148
A10	5124	2157	3145
	5118		
		2165	3127
6106	5123	2166	3129
		2168	3144
6108		2161	3153
		2151	3132
A11		2170	3137
6123	5125	2154	
6126		2156	3142
6128		2158	3141
		2160	
6124			3140



MISC.	A40	5401.A41	6400	5400	A42	MISC.
C	2401.2404.2400.2402	2412.2421.2422	2408.2417			C
	2425.2411	2403	2426.2415.2420	2407.2416		
R	3400...3402.3414.3405.		3408...3411			R



IC6400			
1-5.7V	8-0V		
2-1.2V	9-5.7V		
3-2.3V	10-2.4V		
4-1.6V	11-2.4V		
5-1.6V	12-2.4V		
6-5.5V	13-2.4V		
7-0V	14-0.6V		

MISC.	6473, SK N			5471	SKD, 6475, SKE, A46, 5470			6472, SK B			6470	6478	6479	A47---50, A52	SKC	MISC.																						
C	2521, 2509, 2501, 2541, 2503, 2497, 2505, 2539, 2511, 2507, 2495															2493	2494, 2502, 2496, 2500, 2504, 2508, 2518			2470			2471	C														
	2529, 2513, 2531, 2525, 2519, 2523, 2517, 2515, 2535															2492, 2534, 2540, 2530, 2544, 2528, 2516, 2520, 2524, 2514, 2538, 2510, 2506										2522	2512	R										
	2491, 2492															2546	2547	2548			2481, 2552, 2480, 2485---2487				2479, 2482, 2476, 2557, 2556, 2475, 2474				2555	2554, 2553								
R	3509, 3537, 3539, 3503, 3542, 3531, 3505, 3507, 3511, 3529, 3501															3500										3504, 3506, 3502			3470---3472			3473	R					
	3523, 3515, 3533, 3521, 3519, 3513															3535, 3491			3490, 3534, 3532, 3536, 3530, 3538, 3526, 3520, 3522, 3518, 3508, 3528, 3510, 3512, 3514																			
	3486 3487															3546	3547	3548	3550, 3480, 3482, 3481, 3480			3477	3564, 3563, 3568, 3567, 3571---3573			3562	3554---3560			3551								

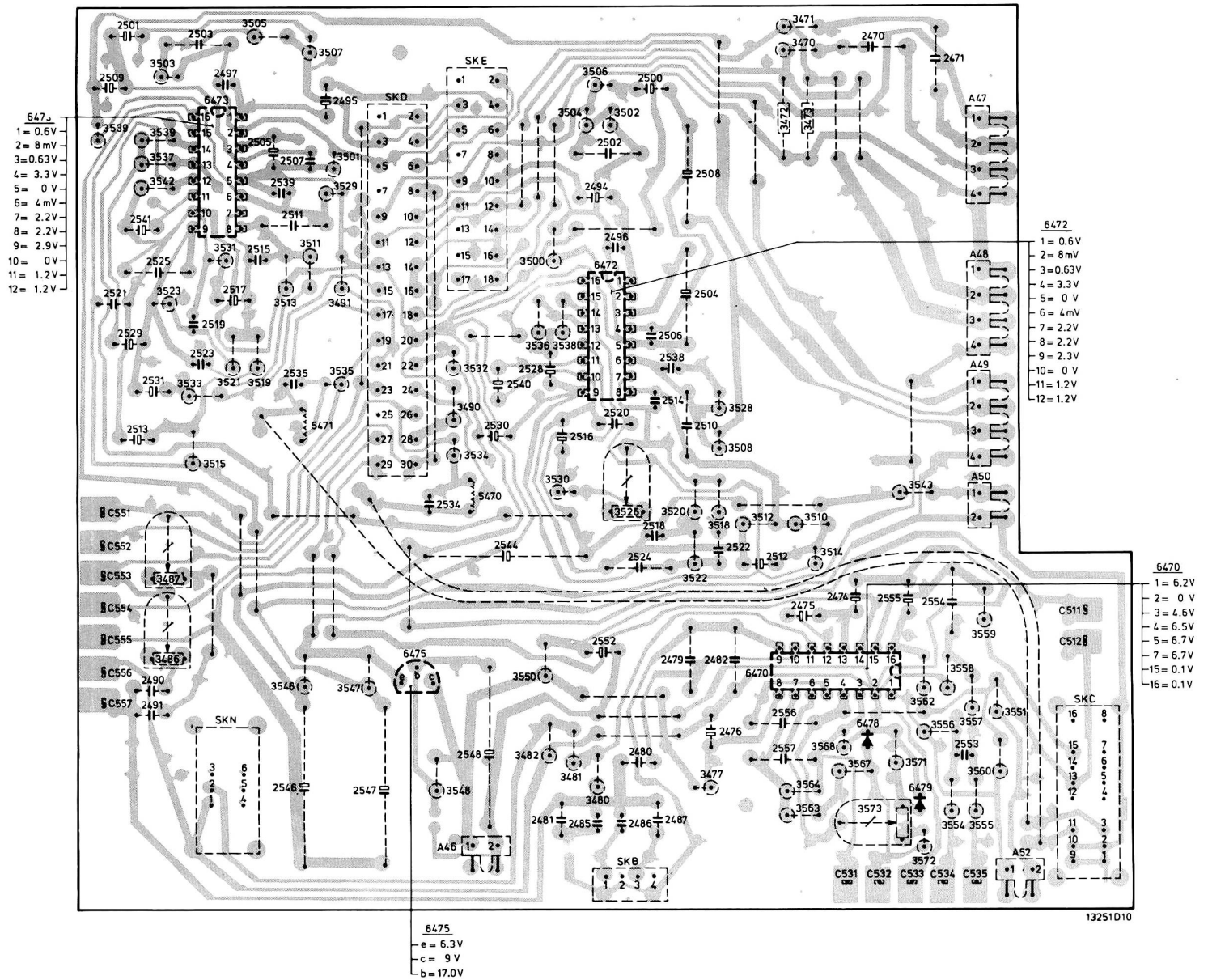


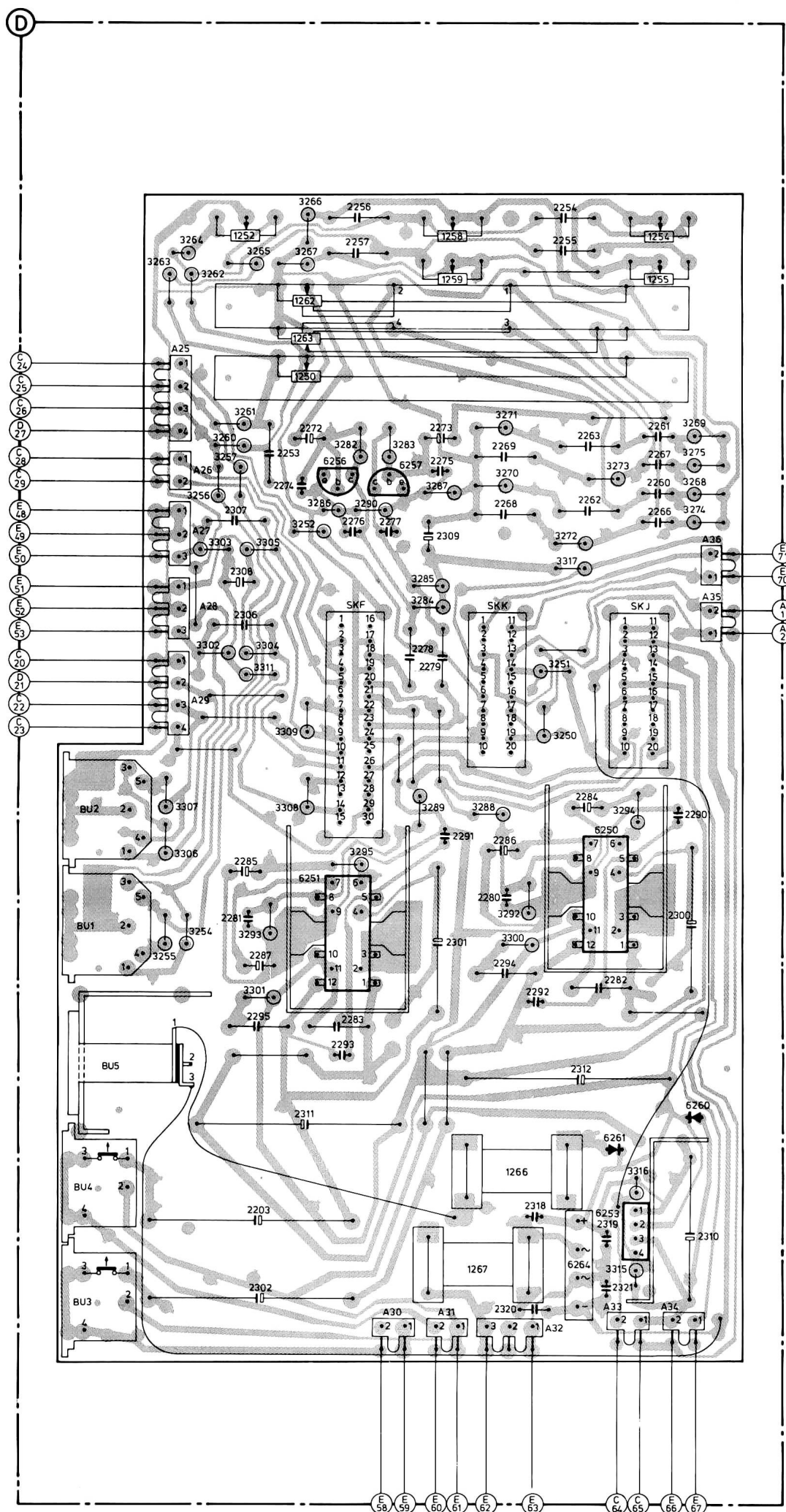
Fig. 3



The schematic is divided into five main sections labeled A through E.

**Section A:** The main circuit board, showing a complex arrangement of components including capacitors (e.g., 1110, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 277





MISC	C	R
		3266
	2256	1252
	2254	1258
	2255	1254
	2257	3262
		3265
		3267
		1259
		1255
		1262
		1263
A25		1250
		3261
		3260
	2272	3268
	2275	3271
6256	2253	3282
6257	2260	3283
A26		3257
	2263	3272
	2266	3275
	2269	3287
A27	2276	3256
	2277	3286
A36	2277	3290
	2307	3252
	2308	3303
	2309	3305
A28	2262	3285
A35	2309	3317
SKJ		3284
SK K	2306	3302
SK F		3304
	2278	3251
	2279	3311
A29		
		3309
		3250
	2284	3307
BU2		3308
	2290	3289
6250	2291	3288
	2286	3294
	2285	3306
		3295
6251		
	2280	
	2281	
	2300	3292
BU1		3254
	2287	3301
	2294	3293
	2282	3300
	2292	3255
	2295	
	2283	3301
	2293	
BU5	2312	
6260	2311	
6261		
1266		3316
BU4		
6253	2318	
	2203	
	2319	
	2310	
6264		
1267	2321	3315
BU3	2302	
A30	2320	
...		
A34		
MISC	C	R

MISC	6115	5100	6100	5101	5102	6116	6101	6117	5103	5104	5105	6102	6120	5114	5115	6105	5119	5118	5120	6106	5122	5124	6121	5125	6123	6124	6108	1015	5400	5401	MISC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
C	2100	2101	2103	1101	2102	2107	2108	2109	2110	2111	1103	1102	2113	2114	2139	2138	2140	2141	2142	2144	2170	2142	2171	2158	2151	2154	2157	2155	2161	2162	2165	2166	2159	2160	2167	2158	2401	2401	2403	2404	2402	2168	2311	2312	2425	2426	2318	2321	2415	2420	2407	2416	2421	2417	2422	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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