

- b. Remove the 10 M Ω and 1 M Ω resistors and the 0,1 μ F capacitor; the 1 M Ω resistor is no longer used. See fig. 10.
- c. Draw up the screened cable connected with the valve EF40 (B1 or B2), through the opening in the chassis.
- d. Lay the 0.1 μ F capacitor and the 10 M Ω resistor side by side against the base plate of the transformer and solder them together at one end. The free end of the capacitor is connected to point 9 and that of the resistor to point 6 (earthing point). The interconnecting point is on the slanting side of the metal base plate.
- e. Interconnect points 7 and 8 of the transformer.
- f. Connect the screened cable (see under c) to the junction of capacitor and resistor; connect the screening to point 6 of the transformer.
- g. Connect the points 1 and 2 of the pin socket to the primary winding of the transformer by means of a two-core screened cable (code number 34 090 00.1); earth the screening to point 6 of the transformer and point 3 of the pin socket.
- h. Mount the transformer on the chassis with three 4 mm screws 30 mm long and three spacers about 22 mm long (inside diameter about 4.2 mm).
For instance the screw with code number 07 804 35 and the spacer 07 005 55 can be used, but these have to be shortened.

NOTES:

- a. In the apparatus with serial number 600 to 1603 the value of the capacitor C1 is 0,1 μ F, and in those with higher serial numbers it is 68000 pF. In the event of the 0,1 μ F capacitor becoming defective it can be replaced by one of 68000 pF (its code number is given in the list of parts).
- b. In the apparatus with serial number higher than 1603 the pick-up and radio inputs have been made suitable for magnetic and crystal pick-ups by connecting a carbon resistor of 0,22 M Ω between the points 1 and 2 and removing the connection between the points 2 and 3. Magnetic pick-ups must be connected between 1 and 3 (resistors in parallel), crystal pick-ups between 2 and 3 (resistor in series). Code-number resistor 48 555 10/220 K.

Mechanical parts list

Pos.	Description	Code number
1	Soldering tag	960/29
2	Tag strip	967/8
3	Fixing screw for cap	999/5x12
4	Text plate	V3 320 14.0
5	"Plastic" plate	23 688 90.1
6	Limiter switch	970/29
7	Mains switch	B1 570 08.0
8	Clamping spring	A1 349 74.0
9	Safety fuse	971/T125
10	Spark bridge	V3 693 24.0
11	Component supporting rod	23 647 95
12	Male socket	977/M05
13	Insulating piece	978/2X12
14	Leaf spring	978/12
15	Insulating piece	978/2X12
16	Voltage adaptor	23 723 16.1
17	Plate with pins for adaptor	A3 228 85
18	Voltage adaptor	A3 228 85
19	Male socket	978/M2X19
	Valve socket for B1,B2,B4,B5,B10,B11	976/8X12
	Valve socket for B3	976/8X17
	Valve socket for B6,B7,B12	976/V8X17
	Valve socket for B8,B9	976/4X16
	Knob	973/16
	Fixing screw for knob	997/4X10
	Amplifier cap	V3 125 25.3
	Text plate	V3 335 73.0
	Pilot lamp holder	976/1X9
	Plug for	978/2X12

HJ/PB

C1	906/68K	68000 pF	125 V
C2	906/68K	68000 pF	125 V
C3	906/V220K	0.22 μ F	600 V
C4	906/V220K	0.22 μ F	600 V
C5	906/V68K	68000 pF	600 V
C6	906/V68K	68000 pF	600 V
C7	906/22K	22000 pF	125 V
C8	910/C100	100 μ F	25 V
C9	906/100K	0.1 μ F	125 V
C10	906/V220K	0.22 μ F	600 V
C11	906/V10K	10000 pF	600 V
C12	905/820E	820 pF	500 V
C13	905/220E	220 pF	500 V
C14	905/560E	560 pF	500 V
C15	905/680E	680 pF	500 V
C16	906/470K	0.47 μ F	125 V
C17	905/820E	820 pF	500 V
C18	906/3K3	3300 pF	400 V
C19	906/22K	22000 pF	125 V
C20	906/10K	10000 pF	125 V
C21	906/V220K	0.22 μ F	600 V
C22	906/22K	22000 pF	400 V
C23	906/V1K5	1500 pF	600 V
C24	905/270E	270 pF	500 V
C25	906/10K	10000 pF	125 V
C26	906/V68K	68000 pF	600 V
C27	906/V68K	68000 pF	600 V
C28	48 118 10/E16M	16 μ F	500 V
C29	912/R25+25	25+25 μ F	500 V
C30			
C31	912/R25+25	25+25 μ F	500 V
C32			
C33	912/R25+25	25+25 μ F	500 V
C34			
C35	912/R12.5+12.5	12.5+12.5 μ F	500 V
C36			
C37	906/470K	0.47 μ F	125 V
C38	910/G25	25 μ F	150 V
R1	B1 639 81	0.35 M Ω	
R2	B1 639 81	0.35 M Ω	
R3	49 501 43.0	2x0.5 M Ω	
R4	49 501 43.0	2x0.5 M Ω	
R5	915/L2M5	2.5 M Ω	
R6	915/L2M5	2.5 M Ω	
R7	902/1M	1 M Ω	0.5 W
R8	902/100K	0.1 M Ω	0.5 W
R9	902/1M	1 M Ω	0.5 W
R10	902/100K	0.1 M Ω	0.5 W
R11	902/10M	10 M Ω	0.5 W
R12	902/10M	10 M Ω	0.5 W
R13	902/10K	10000 Ω	0.5 W
R14	902/10K	10000 Ω	0.5 W
R15	902/1M	1 M Ω	0.5 W
R16	902/1M	1 M Ω	0.5 W
R17	901/300K } par.	150 K Ω	1 W
	901/300 }		

R18	901/300K } par.	150 k Ω	1 W
	901/300		
R19	902/220K	0.22 M Ω	0.5 W
R20	902/220K	0.22 M Ω	0.5 W
R21	902/1M5	1.5 M Ω	0.5 W
R22	902/680E	680 Ω	0.5 W
R23	902/470K	0.47 M Ω	0.5 W
R24	902/330K	0.33 M Ω	0.5 W
R25	901/110K } par.	56000 Ω	0.5 W
	901/120K		
R26	902/1M	1 M Ω	0.5 W
R27	902/390K	0.39 M Ω	0.5 W
R28	902/100K	0.1 M Ω	0.5 W
R29	902/2M7	2.7 M Ω	0.5 W
R30	902/390K	0.39 M Ω	0.5 W
R31	902/390K	0.39 M Ω	0.5 W
R32	902/1M	1 M Ω	0.5 W
R33	902/1M	1 M Ω	0.5 W
R34	900/100K	0.1 M Ω	1 W
R35	902/220K	0.22 M Ω	0.5 W
R36	902/820K	0.82 M Ω	0.5 W
R37	902/1K8	1800 Ω	0.5 W
R38	902/12E	12 Ω	0.5 W
R39	900/100E	100 Ω	1 W
R40	900/120E	120 Ω	1 W
R41	902/1M	1 M Ω	0.5 W
R42	900/150K	0.15 M Ω	1 W
R43	900/1M	1 M Ω	1 W
R44	902/100K	0.1 M Ω	0.5 W
R45	902/15K	15000 Ω	0.5 W
R46	902/820K	0.82 M Ω	0.5 W
R47	902/18K	18000 M Ω	0.5 W
R48	902/120K	0.12 M Ω	0.5 W
R49	902/150K	0.15 M Ω	0.5 W
R50	902/330K	0.33 M Ω	0.5 W
R51	902/330K	0.33 M Ω	0.5 W
R52	902/1K2	1200 Ω	0.5 W
R53	902/1K2	1200 Ω	0.5 W
R54	938/47E	47 Ω	8 W
R55	938/47E	47 Ω	8 W
R56	931/F120E	120 Ω	16 W
R57	931/F120E	120 Ω	16 W
R58	902/100E	100 Ω	0.5 W
R59	902/22K	22000 Ω	0.5 W
R60	900/1K	1000 Ω	1 W
R61	902/68K	68000 Ω	0.5 W
R62	901/33K	33000 Ω	0.5 W
R63	930/F8K2	8200 Ω	10 W
R64	900/4K7	4700 Ω	1 W
R65	902/4K7	4700 Ω	0.5 W
R66	900/18K	18000 Ω	1 W
R67	900/18K	18000 Ω	1 W
R68	930/F680E	680 Ω	10 W
R69	2x901/220K } par.	0.22 M Ω	2 W
	2x901/220K		
R70	932/F39K	39000 Ω	25 W
R71	902/220K	0.22 M Ω	0.5 W
R72	902/220K	0.22 M Ω	0.5 W