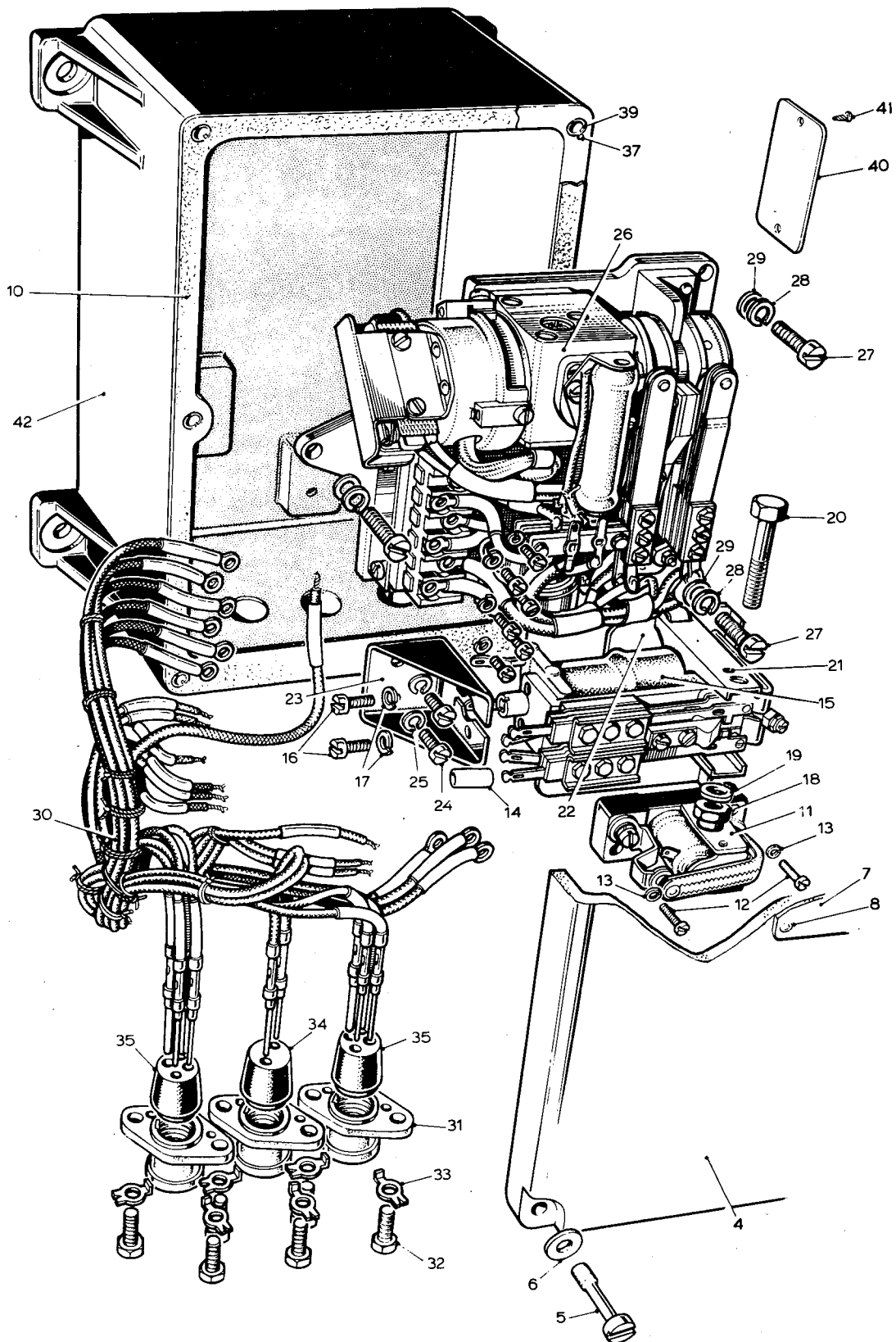




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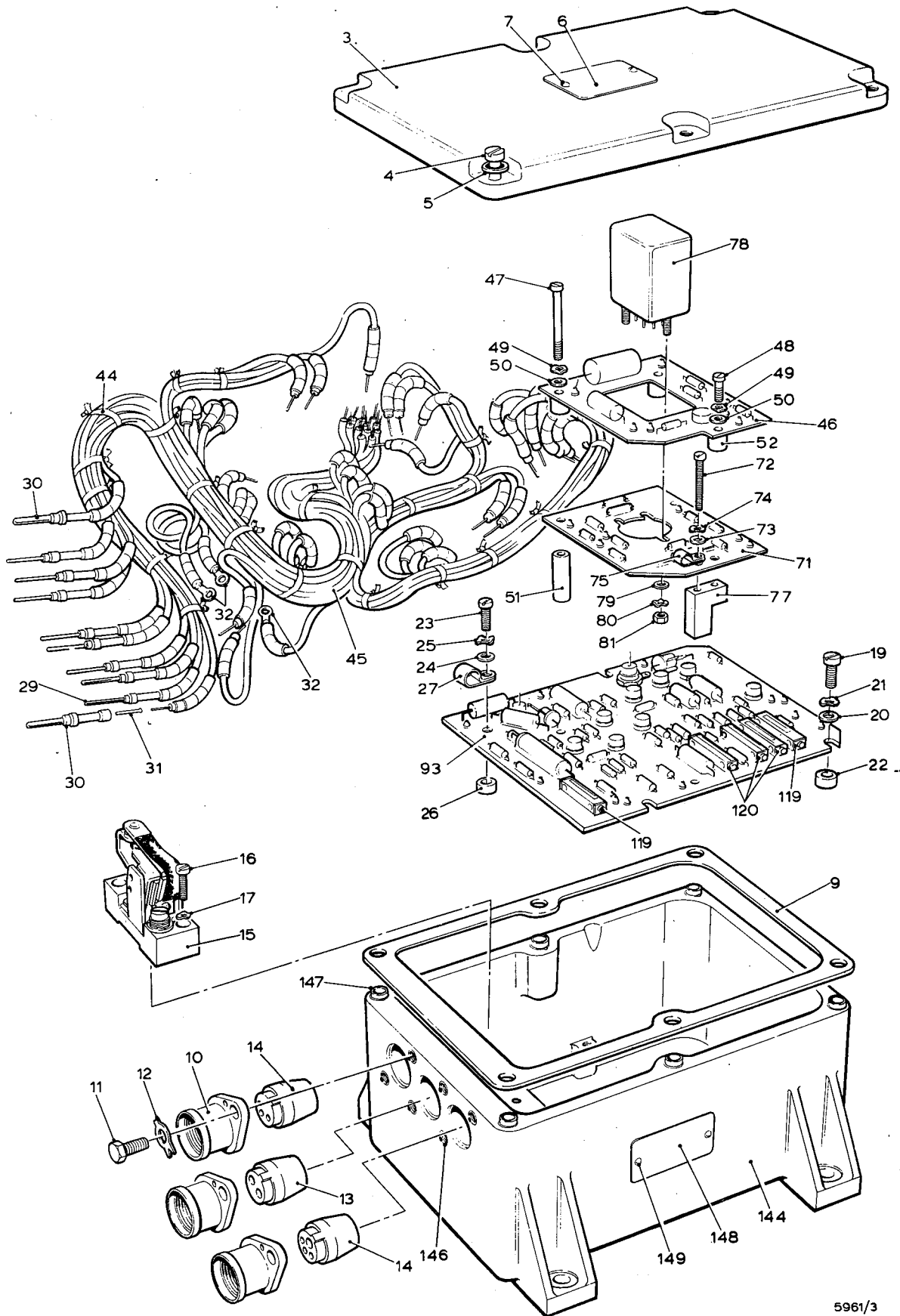
Fig.1 Control unit MK.8

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
1- 1+	7CZ106201		*Control Unit Assy, Mk. 8 (Pre Mod S647)		1
2+	700-1-12170		Control Unit, static timer (Mod S647, 2635) (for breakdown see Fig.2)		1
3+	Z22164		.Cover, dust, Transit		3
4	506-1-07173		.Cover Assy (Mod 612)		1
			ATTACHING PARTS		
5	7Z102428		Screw, captive		6
6	3Z29831-3		Washer, seloc 2BA GD1321-3 (U1068)		6
7	7Z106208		..Label, identification		1
			ATTACHING PARTS		
8	999-4-02053-008		Screw, drive Type U4530 No. 2 x 1/8 zinc pl & pass (K2158)		4
9+	506-2-07168		..Cover (Mod 612)		RF
10	7Z102628		.Gasket		1
11	7CZ102260-1		.Relay Assy, type AO/DM/28/30		1
			ATTACHING PARTS		
12	991-4-00245-060		Screw, 6BA		2
13	38-3132-25		Washer, spring 6BA		2
14	19-2329-1		.Sleeving, 1/8 in i/dia synthetic rubber PSM3068 yellow		AR
15	7Z106345		.Relay, adjusted type K3000		1
			ATTACHING PARTS		
16	991-4-00245-033		Screw, 4BA		2
17	4Z42434-3		Washer, spring 4BA		2
18	991-4-00172-012		Nut, 2BA (Mod S329)		1
19	38-3114-25		Washer, 2BA (Mod S329)		1
20	991-4-00100-014		Bolt, 2BA (Mod S329)		1
21	506-2-00212		.Bracket, relay support (Mod S329)		2
22	506-2-00213		.Plate, support bracket (Mod S329)		1
23	7Z97487		.Bracket, relay		1
			ATTACHING PARTS		
24	991-4-00245-035		Screw, 4BA		2
25	4Z42434-3		Washer, spring 4BA		2
26	7Z42310		.Switch, time (Mod S176) Type FHM/A/79 (U0853)		1
			ATTACHING PARTS		
27	39-1025-25		Screw, 2BA		3
28	38-3112-25		Washer, spring 2BA		3
29	38-3114-25		Washer, 2BA		3
30	7CZ106207		.Cable Form Assy		1
31	2Z83159		.Shell, plug "A" size		3
			ATTACHING PARTS		
32	991-4-00280-005		Bolt, 2BA		6
33	7Z97116-1		Washer, tab 2BA		6
34	2Z83074		.Moulding, plug 2 pin "A" size		1
35	2Z83070		.Moulding, plug 4 pin "A" size		2

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
1- 36+	506-1-07165		.Box Assy (Mod 612)		1
37	8Z97683		..Pin		12
38+	7Z97196		..Insert		6
39	7Z102430		..Insert		6
40	Z69653		..Label, modification		1
			ATTACHING PARTS		
41	999-4-02053-002		Screw, drive		2
			Type U4530 No. 00 x 1/8		
			zinc pl & pass (K2158)		
42	506-2-07166		..Box (Mod 612)		RF

+Item not illustrated



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Fig 2 Control unit - static timer

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2- 1+	700-1-12170		Control Unit, static timer (Mod S647, 2635)		RF
2+	Z22164		.Cover, dust, Transit		3
3	700-1-12454		.Cover, Assy ATTACHING PARTS		1
4	700-2-12471 or 7Z102428		Screw, captive		6
5	999-4-00563-004 or 3Z29831-3		Washer, seloc, 2BA GD1321-3 (U1068)		6
6	700-2-12455		..Label, identification ATTACHING PARTS		1
7	999-4-02053-008		Screw, drive type U4530, No.2 x 1/8 in.lg. zinc plate & pass (K2158)		4
8+	506-2-07168		..Cover		RF
9	700-2-12470 or 7Z102628		.Gasket		1
10	508-2-11425 or 2Z83159		.Shell, plug "A" size ATTACHING PARTS		3
11	991-4-00279-005		Bolt, 2BA		6
12	700-2-12469-001 or 7Z97116-1		Washer, tab 2BA		6
13	508-2-11427 or 2Z83074		.Moulding, plug 2 pin, "A" size		1
14	508-2-11426 or 2Z83070		.Moulding, plug 4 pin, "A" size		2
15	507-1-01220		.Relay Assy, type AO/DM/12-29/30 ATTACHING PARTS		1
16	A31A14		Screw, 6BA (K7766) (991-4-00060-057)		2
17	999-4-00442-005		Washer, crinkle 6BA type DP/1002 cad.plate (K1334)		2
18+	419-1-41973-000		.Boards Assy, printed wiring "A", "B" and "C" (Mod 1196) ATTACHING PARTS		RF
19	A31C18		Screw, 2BA (K7766) (991-4-00060-067)		3
20	SP126D		Washer, plain, 10-32 (K7766) (991-4-00221-004)		3
21	999-4-00442-009		Washer, crinkle, 2BA type DP/1004 cad.plate (K1334)		3
22	700-2-12725		Spacer		3

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2- 23	A31B20	.....	Screw, 4BA (K7766) (991-4-00060-074)		1
24	SP126B	.....	Washer, plain, 6-32 (K7766) (991-4-00221-002)		1
25	999-4-00442-007	.....	Washer, crinkle, 4BA type DP/1003 cad.plate (K1334)		1
26	700-2-12726	.....	Spacer		1
27	915-4-98105-004	.....	Clamp loop NX2 (K1560)		1
28+	998-4-10030-003	.....	Tape, raw glass 1/4 in wide x 0.003 in thick		3in
29	508-2-11245 or Z27323	..Pin, plug			8
30	508-2-11246 or Z28146	..Pin, plug			2
31	508-2-11232-002 or Z49428-20	..Sleeve, cable			10
32	703-4-98329-006 or 999-4-00538-006	..Tag, 4BA 321020 (K1636)			3
33+	915-4-98151-001 or 999-4-00543-001	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, pink (K1793)			68
34+	915-4-98151-002 or 999-4-00543-002	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, black marked "0" (K1793)			22
35+	915-4-98151-003 or 999-4-00543-003	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, brown, marked "1" (K1793)			26
36+	915-4-98151-004 or 999-4-00543-004	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, red marked "2" (K1793)			8
37+	915-4-98151-005 or 999-4-00543-005	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, orange, marked "3" (K1793)			18
38+	915-4-98151-006 or 999-4-00543-006	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, yellow, marked "4" (K1793)			8
39+	915-4-98151-007 or 999-4-00543-007	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, green, marked "5" (K1793)			8
40+	915-4-98151-008 or 999-4-00543-008	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, blue, marked "6" (K1793)			8
41+	915-4-98151-009 or 999-4-00543-009	..Sleeve type TX, 1mm bore x 1/8 in lg TH10, violet, marked "7" (K1793)			6

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2- 42+	915-4-98151-010	..Sleeve			6
	or		type TX, 1mm bore x 1/8 in lg		
	999-4-00543-010		TH10, grey, marked "8" (K1793)		
43+	915-4-98151-011	..Sleeve			6
	or		type TX, 1mm bore x 1/8 in lg		
	999-4-00543-011		TH10, white, marked "9" (K1793)		
44	70-9198	..Tape			8ft
			Dacron Stur-D-Lace, 18DH (K2319)		
45	998-4-20081-511	..Wire, equipment			25ft
			19/0.006 in PTFE to EL1930		
			type "B", pink (U0170)		
46	419-1-41971-000	..Board Assy, printed wiring "C"			1
			ATTACHING PARTS		
47	991-4-13521-000	Screw, ch.hd 6BA x 1 3/4 in lg			2
			stl. cad.plate		
48	991-4-00060-081	Screw, ch.hd 6BA x 3/4 in lg			1
			stl cad. plate		
49	999-4-00442-005	Washer, crinkle 6BA			3
			type DP/1002 cad.plate		
			(K1334)		
50	SP126A	Washer, plain 4-40			3
			(991-4-00221-001)(K7766)		
51	700-2-12727	Spacer			2
52	700-2-19120-012	Spacer			3
53+	703-4-98329-006	..Tag, 4BA			2
	or		321020 (K1636)		
	999-4-00538-006				
54+	915-4-98151-001	..Sleeve			4
	or		type TX, 1mm bore x 1/8 in lg		
	999-4-00543-001		TH10, pink (K1793)		
55+	915-4-98151-002	..Sleeve			2
	or		type TX, 1mm bore x 1/8 in lg		
	999-4-00543-002		TH10, black, marked "0" (K1793)		
56+	915-4-98151-003	..Sleeve			2
	or		type TX, 1mm bore x 1/8 in lg		
	999-4-00543-003		TH10, brown, marked "1" (K1793)		
57+	915-4-98151-005	..Sleeve			4
	or		type TX, 1mm bore x 1/8 in lg		
	999-4-00543-005		TH10, orange, marked "3" (K1793)		
58+	998-4-20081-711	..Wire, equipment			AR
			19/0.15 mm PTFE to BS G210		
			type "B", pink (U0170)		
59+	998-4-82353-012	...Tape, lacing, flat			AR
			STUR-D-LACE-H style 21DH		
			(K2319)		
60+	437-4-30309-113	...Capacitor, Polycarbonate			1
			1 mfd + 10% 100V		
			style LTH1uOK BS9076 F0031		
			(K7766)		

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2- 61+	402-4-55642-140	...	Capacitor, Tantalum electrolytic 120 mfd $\pm$ 10% 10V style C1 HAAC BS9073 N001 (K7766)		1
62+	445-4-01870-000	...	Circuit, integrated type LM158H (K7093)		1
63+	403-4-06779-261	...	Resistor, metal film 3.3K ohm $\pm$ 1% style Hz BS CECC 40 101-004 (K7766)		1
64+	403-4-06779-269	...	Resistor, metal film 6.8K ohm $\pm$ 1% style Hz BS CECC 40 101-004 (K7766)		1
65+	403-4-06780-073	...	Resistor, metal oxide 10K ohm $\pm$ 5% style Fx BS CECC 40 401-019 (K7766)		1
66+	403-4-06780-102	...	Resistor, metal oxide 160K ohm $\pm$ 5% style Fx BS CECC 40 401-019 (K7766)		1
67+	403-4-02072-007	...	Thermistor 220K ohm Mullard 3414 (K0004)		1
68+	703-4-98003-005	...	Terminal turret solder 160-2085-4 (K3105)		2
69+	999-4-01135-004	...	Stud, terminal type X2027-4 (K3105)		7
70+	419-2-41970-001	...	Board, printed wiring "C"		RF
71	419-1-41975-000	..	Board Assy, printed wiring "B" ATTACHING PARTS		1
72	A31A40	.....	Screw, 6BA (K7766) (991-4-00060-105)		1
73	SP126A	.....	Washer, plain, 4-40 (K7766) (991-4-00221-001)		1
74	999-4-00442-005	.....	Washer, crinkle, 6BA type DP/1002, cad.plate (K1334)		1
75	915-4-98105-001	.....	Clamp, loop NXO (K1560)		1
76+	998-4-10030-003	.....	Tape, raw glass, 1/4 in wide x 0.003 in thick		3in
77	700-1-22590-000	.....	Spacer		1
78	507-1-02248-050	...	Relay, type CC,4C0, sealed ATTACHING PARTS		1
79	991-4-00413-002	.....	Washer, plain, 6BA		3
80	999-4-00442-005	.....	Washer, crinkle, 6BA type DP/1002 cad.plate (K1334)		3
81	991-4-00449-003	.....	Nut, full, 6BA		3
82+	403-4-78095-004	...	Resistor, 1K ohm $\pm$ 5% TR6 (K4184)		3

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2- 83+	403-4-78261-299	...	Resistor, 2.2K ohms $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
84+	403-4-78261-303	...	Resistor, 3.3K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
85+	403-4-78261-307	...	Resistor, 4.7K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
86+	403-4-78261-315	...	Resistor, 10K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
87+	402-8-50827-054	...	Capacitor, 10 uF $\pm$ 10% or type "S", 20V		1
88+	472LWA-421GAA	...	Capacitor (K0493)		1
89+	415-8-04115-009	...	Diode, type 2102 or		3
90+	415-4-98061	...	Diode, 1S111 (K0461)		3
91+	999-4-01135-002	...	Stud, terminal X2027-2 (K3105)		7
92+	419-2-41976-000	...	Board, printed wiring "B"		RF
93	419-1-41974	..	Board Assy, printed wiring "A"		1
94+	2N697	...	Transistor (K0461) (417-4-98071)		5
95+	2N2646	...	Tranistor, (K4567) (417-4-98193)		1
96+	C6A	...	Rectifier, silicon controlled (415-4-98213-003)(K4567)		1
97+	TO 518-001	...	Pad, transistor mounting, nylon, (915-4-98819-000) (K1935)		7
98+	403-4-05921-002	...	Resistor, 39 ohm $\pm$ 5% type W23 (K0064)		1
99+	403-4-78261-265	...	Resistor, 82 ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
100+	403-4-78154-004	...	Resistor, 100 ohm $\pm$ 5% type W21 (K0064)		1
101+	403-4-78261-271	...	Resistor, 150 ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2-102+	403-4-78261-273	...	Resistor, 180 ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
103+	403-4-78261-285	...	Resistor, 560 ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		2
104+	403-4-78261-288	...	Resistor, 750 ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
105+	403-4-78261-291	...	Resistor, 1K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		2
106+	403-4-78261-291	...	Resistor, 1K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)	) R22))) Select	1
	or				
107+	403-4-78261-303	...	Resistor, 3.3K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
108+	403-4-78261-295	...	Resistor, 1.5K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)	) on) test))	1
109+	403-4-78261-297	...	Resistor, 1.8K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG (K1672)		1
110+	403-4-78261-303	...	Resistor, 3.3K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)	) Select) on) test)	2
111+	403-4-78261-315	...	Resistor, 10K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		1
112+	403-4-78261-319	...	Resistor, 15K ohm $\pm$ 5% TR5 (K4184)	) R7)) Select) on	1
	or				
113+	403-4-78261-321	...	Resistor 18K ohm $\pm$ 5% TR5 (K4184)		
	or				
114+	403-4-78261-323	...	Resistor, 22K ohm $\pm$ 5% TR5 (K4184) MR5 (K0064) MOG60 (K1672)		

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2-115+	403-4-06779-299	...Resistor, 120K ohm + 1%) BS CECC 40-101-01 ⁻) (K7766))	R14		1
or					
116+	403-4-06779-300	...Resistor, 130K ohm + 1%) BS CECC 40-101-01 ⁻) (K7766))	Select		1
or					
117+	403-4-06779-301	...Resistor, 150K ohm + 1%) BS CECC 40-101-1 ⁻) (K7766))	on		1
or			test		
118+	403-4-06779-302	...Resistor, 160K ohm + 1%) BS CECC 40-101-1 ⁻) (K7766))			1
119	404-4-98037-036	...Potentiometer, 25K ohm + 10% (Ex Painton, 200P-1-253)			2
120	404-4-98038-002	...Potentiometer, 5K ohm (Ex Painton, 275-1-502)			3
121+	402-4-98022-018	...Capacitor, 47 uF + 10% 472LWA-403KAA (K0493)			1
122+	402-8-50829-018	...Capacitor, 100 uF + 10% type "S", 20V			5
123+	415-8-04115-009	...Diode, Plessey "Simet", type 2102			16
or					
124+	415-4-98061	...Diode, type 1S111 (K0461)			16
125+	415-4-98162-002	...Diode, Zener, type IN 942A (V0639)			1
126+	415-4-98077-004	...Diode, Zener, type OAZ 232 (K0004)			2
or					
127+	415-4-98099-009	...Diode, Zener, type IS6015RA (K0461)			2
or					
128+	415-4-05392-007	...Diode, Zener, type BZY 93C15 (K0004)			2
129+	415-4-98081-010	...Diode, Zener, type IS 4036A (K0461)			2
130+	415-4-98046-007	...Diode, Zener, type IS 2062 (K0461)			1
or					
131+	415-4-98329-010	...Diode, Zener, type BZY 88-C6V2 (K0004)			1
132+	415-4-98046-028	...Diode, Zener, type IS 2082A (K0461)			1
or					
133+	415-4-98329-013	...Diode, Zener, type BZY 88-C8V2 (K0004)			1
134+	999-4-00845-016	...Tag, 2BA, type 117 (U1748)			2
135+	997-4-15031-020	...Wire, copper, BS 128 20 SWG			15in
136+	998-4-15002-211	...Sleeving, BS 2848 type 1 class 180 to 1 mm bore (pink)			12in

+Item not illustrated

Fig/ Index	Part No.	123456	Nomenclature	Usage Code	Units /Assy
2-137+	70-7117		...Sleeving, BS 2848 type 5 class 180T 6mm bore 0.7 to 1.1 mm wall yellow		1/2in
▶ 137A+	998-4-82293-001		...Sleeving, BS 2848 type 5 class 180T 6mm bore 0.7 to 1.1mm wall yellow		1/2in
138+	998-4-20081-511		...Cable, 19/.006 in. PTFE to EL1930 type "B", pink (V0170)		6in ◀
139+	999-4-01573-001		...Clip, transistor type T05-28-CP (K1935)		3
140+	999-4-01295-004		...Eyelet, brass type L.1 (K0017)		3
141+	999-4-01135-004		...Terminal, type X-2027-4 (K3105)		15
142+	999-4-01617-001		...Prestincert, 6BA, type L.1535 (U0154)		3
143+	419-2-41977-000		...Board, printed wiring "A"		RF
144	506-1-07165		..Box Assy		1
145+	7Z97683		..Pin		12
146	7Z97196		..Insert		6
147	7Z102430		..Insert		6
148	Z69653		..Label, modification ATTACHING PARTS		1
149	999-4-02053-002		Screw, drive type U4530, No. 00 x 1/8 in lg, zinc plate & pass (K2158)		2
150+	506-2-07166		..Box		RF

+Item not illustrated

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