PARTS LIST

No. **PL/RC-001** Date **January 2004** Product **SM1000 and SM2000 Videographic Recorders**

Spare Parts, Upgrade Kits and Service Kits for SM1000 and SM2000 Videographic Recorders

This parts list contains:

- exploded diagrams of the SM1000 and SM2000 Videographic Recorders for easy identification of spare parts
- details of product upgrade kits that are designed to add extra features and functionality to the instruments
- service kit information
- ancillary parts information

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1 REPLACEMENT PARTS

1.1 Parts List – Figs. 1.1 to 1.4

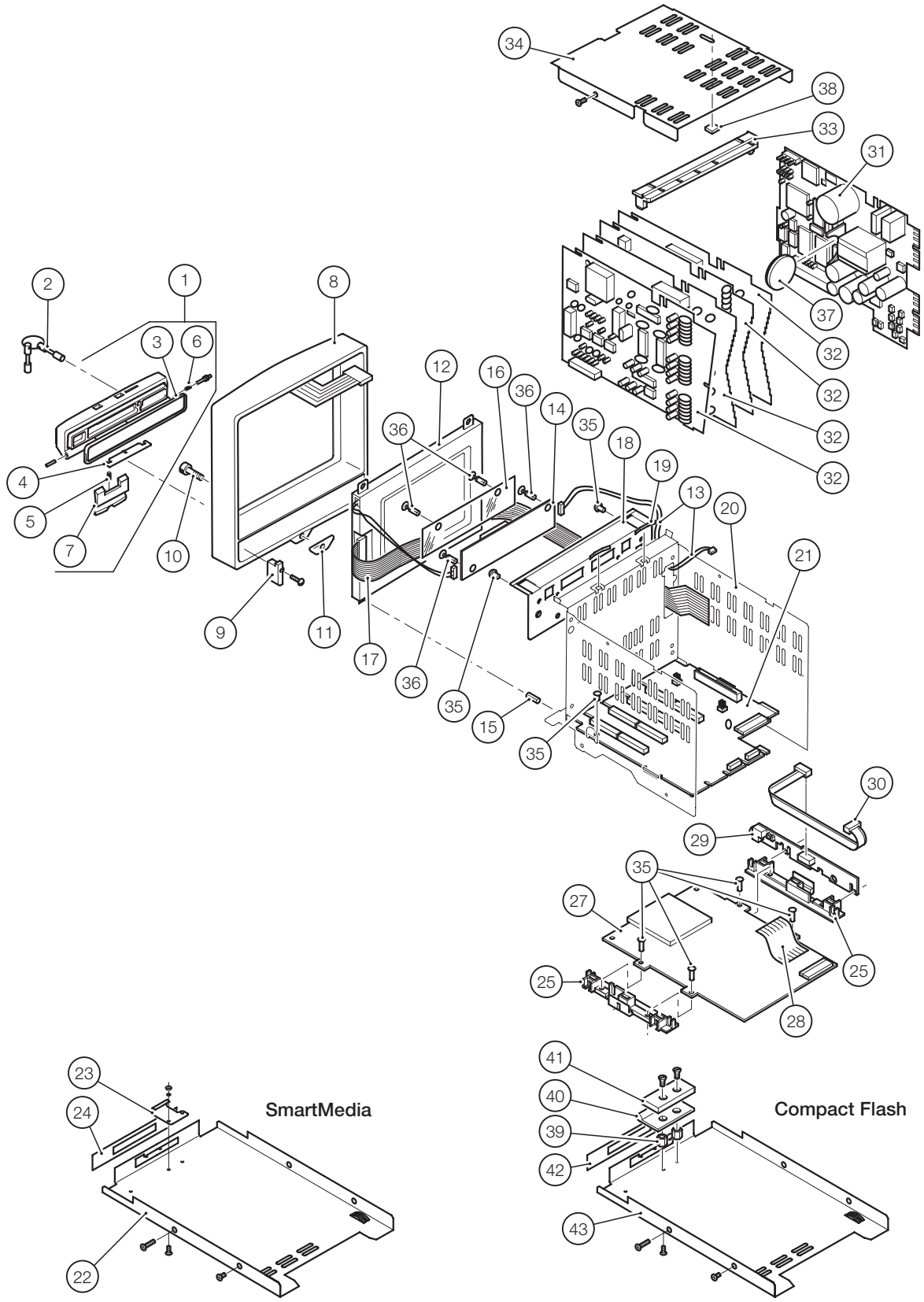


Fig. 1.1 Identification of Parts – SM1000 Chassis Components

…1.1 Parts List – Figs. 1.1 to 1.4

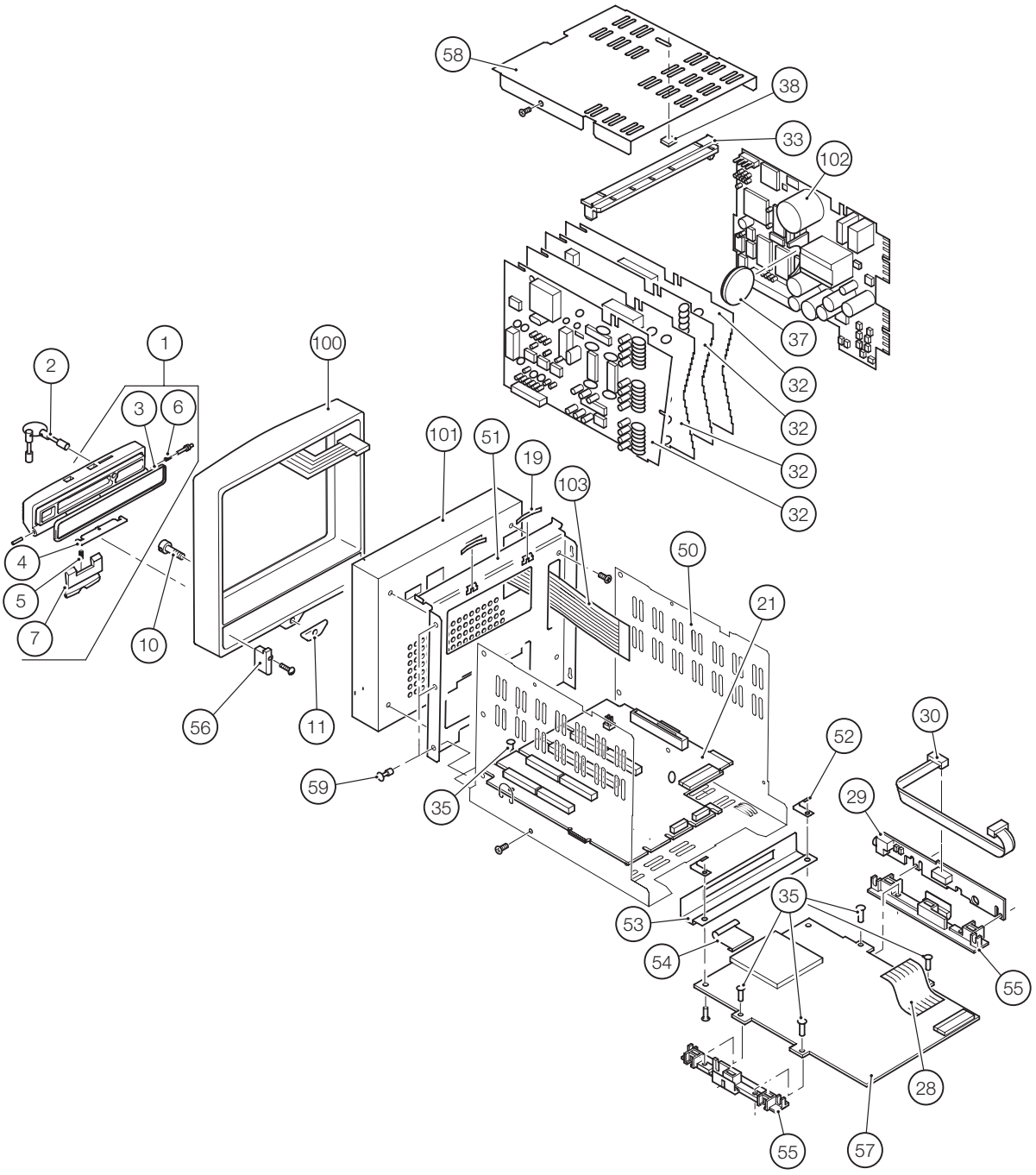


Fig. 1.2 Identification of Parts – SM2000 Pre April 2002 Instrument and Chassis

...1.1 Parts List – Figs. 1.1 to 1.4

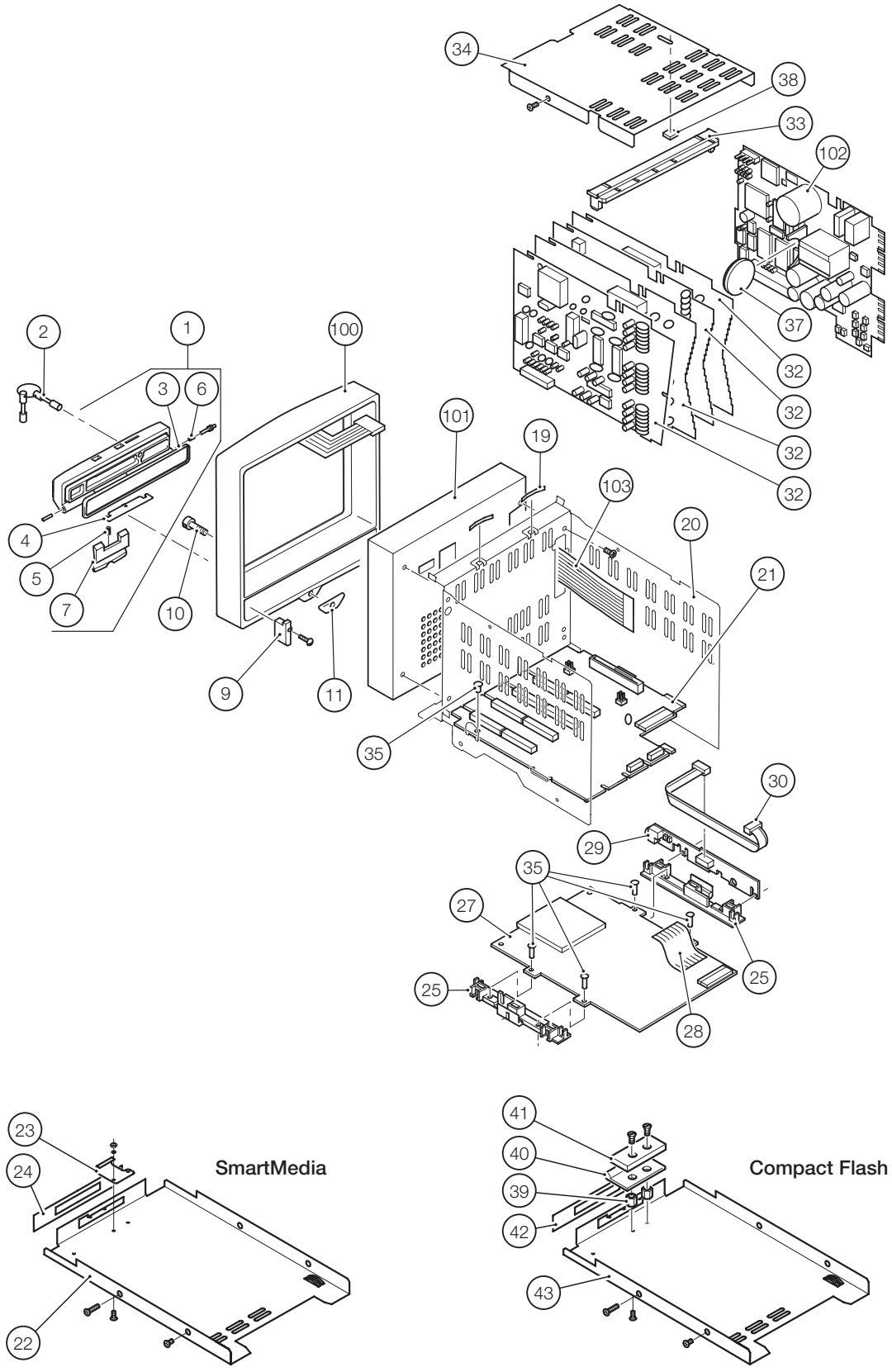
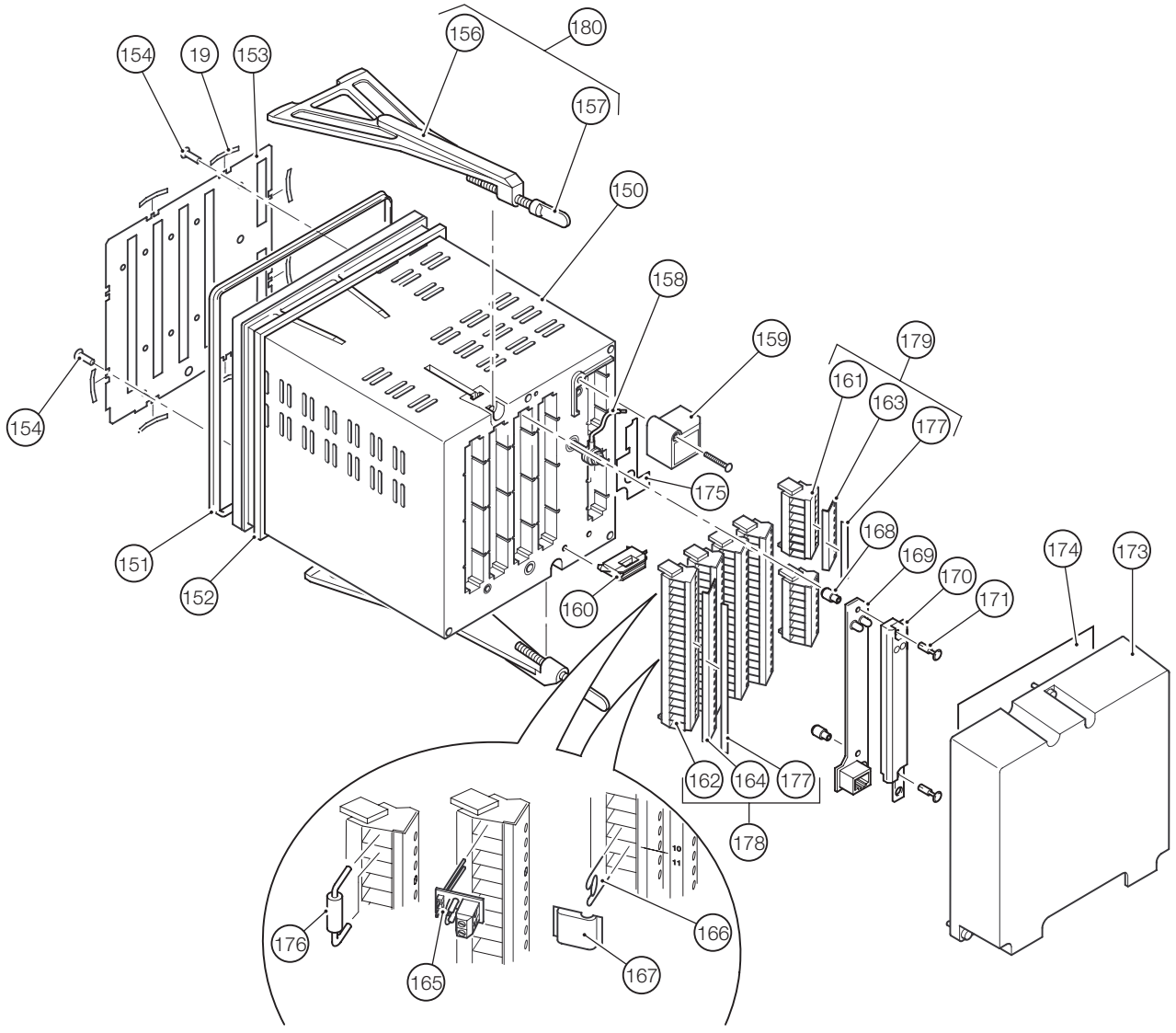


Fig. 1.3 Identification of Parts – SM2000 Post April 2002 Instrument and Chassis

…1.1 Parts List – Figs. 1.1 to 1.4



Note. Items 165, 166, 167 and 176 are applicable only to analog input module boards.

Fig. 1.4 Identification of Parts – Case

...1 REPLACEMENT PARTS

...1.1 Parts List – Figs. 1.1 to 1.4

Item No.	Description	Part Number
1	Media Door Replacement Kit (includes Items 3 to 7)	GR2000/0724
2	Media Door Lock Keys (2x Keys & 1x Key Ring)	GR2000/0725
3	Media Door Seal	GR2000/0119
4	Latch Retainer	GR2000/0124
5	Media Door Latch Spring	B11785
6	Media Door Hinge Spring	B11786
7	Media Door Latch	GR2000/0123
8	Membrane Switch Sub Assemby (includes Media Door and Items 10 and 11)	GR2000/1710
9	Frame Clamp Left Hand – viewed from inside of window (April 2002 onwards Chassis)	GR2000/1113
	Frame Clamp Right Hand – viewed from inside of window (April 2002 onwards Chassis)	GR2000/1114
10	Jacking Screw	GR2000/0115
11	Jacking Screw Clip	GR2000/0129
12	SM1000 Display Replacement Kit (includes Item 17)	GR2000/1709
13	Inverter Cable	GR2000/1071
14	Inverter Replacement Kit	GR2000/1707
15	Spacer	B11875
16	Inverter Isolator	GR2000/1116
17	SM1000 Display Flexi-circuit	GR2000/1070
18	Display Bracket	GR2000/1107
19	Earth (Ground) Spring	GR2000/0108
20	Frame	GR2000/1104
21	Motherboard Replacement Kit (includes Item 35)	GR2000/0712
22	Chassis Bottom Plate for SmartMedia or No Media Options (April 2002 onwards Chassis)	GR2000/1103
23	Static Discharge Spring (April 2002 onwards Chassis)	GR2000/1108
24	SmartMedia Trim	GR2000/1180A
	Blank Media Trim	GR2000/1180B
25	Side Plate (April 2002 onwards Chassis)	GR2000/1115
27	SmartMedia Board	GR2000/0385
	Compact Flash Board	GR2000/0345
28	Cable FFC 50Way	B11905
29	Configurator Board Assembly	GR2000/0265
30	Ribbon Cable	GR2000/0070
31	Main Board Assembly SM1000 (85 to 265 V AC) Replacement Kit (includes Item 37)	GR2000/1711
	Main Board Assembly SM1000 (24 V DC) Replacement Kit (includes Item 37)	GR2000/1715
32	6-Channel Analog Input Board	GR2000/0295
	6-Channel Analog Input Board (High Specification)	TBA
	3-Relay Board	GR2000/0326
	6-Relay Board	GR2000/0325
	Hybrid Board	GR2000/0335
	Ethernet Communications Board	GR2000/0435
	RS485 Communications Board	GR2000/0455
	Transmitter Power Supply Board	GR2000/0365
33	PCB Locking Bar	GR2000/0106
34	Top Cover (April 2002 onwards Chassis)	GR2000/1102
35	Plastic Snap Rivet	B11768

…1.1 Parts List – Figs. 1.1 to 1.4

Item No.	Description	Part Number
36	Plastic Snap Rivet	B11894
37	Real-time Clock battery	B11845
38	Rubber Spacer	B12065
39	Hexagonal Spacer	B12035
40	Conductive Gasket	GR2000/1117
41	Conductive Gasket Clamp	GR2000/1118
42	Compact Flash Trip	GR2000/1180C
	Blank Media Trim	GR2000/1180B
43	Chassis bottom plate for Compact Flash Media Option (April 2002 onwards Chassis)	GR2000/1111
50	Chassis	GR2000/0105
51	Display Mounting Plate	GR2000/0107
52	Earth (Ground) Spring (Media Plate)	GR2000/0137
53	Media Plate (SmartMedia)	GR2000/0125
	Media Plate (Compact Flash)	GR2000/0126
	Media Adapter Plate	GR2000/0127
54	Static Discharge Spring (Pre April 2002 Chassis)	GR2000/0143
55	Side Plate (Pre April 2002 Chassis)	GR2000/0121
56	Frame Clamp Left Hand – viewed from inside of window (Pre April 2002 Chassis)	GR2000/0140
	Frame Clamp Right Hand – viewed from inside of window (Pre April 2002 Chassis)	GR2000/0141
57	Blank Media Board	GR2000/0139
	SmartMedia Board	GR2000/0385
	Compact Flash Board	GR2000/0345
58	Top Cover (Pre April 2002 Chassis)	GR2000/0104
59	Plastic Snap Rivet	B11782
100	Touch Screen Sub-assembly Replacement Kit (includes Media Door and Items 10 and 11)	GR2000/0710
101	SM2000 Display Replacement Kit (includes item 103)	GR2000/0709
102	Main Board Assembly SM2000 (85 to 265 V AC) Replacement Kit (includes Item 37)	GR2000/0711
	Main Board Assembly SM2000 (24 V DC) Replacement Kit (includes Item 37)	GR2000/0715
103	SM2000 Display Flexi-circuit	B11904
150	Case Molding	GR2000/0100
151	Case Seal	GR2000/0112
152	Panel Gasket	PR100/0186
153	Back Plate	GR2000/0103
154	Plastic Snap Rivet	B11780
156	Panel Clamp	GR2000/0130
157	Panel Clamp Screw	GR2000/0131
158	Earth (Ground) Lead	P100M/0186
159	Mains Power Supply Cover	GR2000/0122
160	Cable Clamp	B10838
161	Connector 8-Way	B10751
162	Connector 20-Way	B10750
163	Terminal Adapter 8-Way	GR2000/0114
164	Terminal Adapter 20-Way	GR2000/0113
165	Voltage Divider Board	GR2000/0375
	Voltage Divider Board including 250Ω Shunt Resistor	GR2000/0377

...1.1 Parts List – Figs. 1.1 to 1.4

Item No.	Description	Part Number
166	Thermistor	B11497
167	Thermistor Cover	GR2000/0118
168	Ethernet Post	GR2000/0138
169	Ethernet Connector Board	GR2000/0445
170	Ethernet Cover	GR2000/0142
171	Plastic Snap Rivet	B11885
173	Terminal Cover Service Kit (SM1000) (includes Item 174)	GR2000/1716
	Terminal Cover Service Kit (SM2000) (includes Item 174)	GR2000/0716
174	Terminal Cover Label (SM1000)	GR2000/1181
	Terminal Cover Label (SM2000)	GR2000/0180
175	Mains Terminal Label SM2000 85 to 265 V AC	GR2000/0182
	Mains Terminal Label SM2000 24V DC	GR2000/0183
	Mains Terminal Label SM1000 85 to 265 V AC	GR2000/1182
	Mains Terminal Label SM2000 24V DC	GR2000/1183
176	10Ω Shunt Resistor	B10569
177	Set of Terminal Labels (A to F)	GR2000/0186
178	20-Way Terminal Block Assembly for use with Analog Input Board (includes Items 162, 164, 166, 167 and 177)	GR2000/0726
	20-Way Terminal Block Assembly for use with Relay, Hybrid and Transmitter Power Suppy Boards (includes Items 162, 164 and 177)	GR2000/0727
179	8-Way Terminal Block Assembly (includes Items 161, 163 and 177)	GR2000/0728
180	Panel Clamp Assembly (includes Items 156 and 157)	GR2000/0723

2 UPGRADE KITS

	Description	Part Number
SM1000 Only		
	Totalizer Option Upgrade Kit (Requires Instrument Serial Number)	GR2000/1721
	Terminal Cover Option Upgrade Kit	GR2000/1716
	RS485 Option Upgrade Kit	GR2000/1722
SM2000 Only		
	Terminal Cover Option Upgrade Kit	GR2000/0716
	Advanced Maths and Logic Upgrade Kit – English Documentation (Requires Instrument Serial Number)	GR2000/0721
	Advanced Maths and Logic Upgrade Kit – German Documentation (Requires Instrument Serial Number)	GR2000/0721D
	Advanced Maths and Logic Upgrade Kit – French Documentation (Requires Instrument Serial Number)	GR2000/0721F
SM1000 and SM2000		
	Ethernet Option Upgrade Kit – English Documentation	GR2000/0722
	Ethernet Option Upgrade Kit – German Documentation	GR2000/0722D
	Ethernet Option Upgrade Kit – French Documentation	GR2000/0722E
	3-Relay Option Board Upgrade Kit	GR2000/0703
	6-Relay Option Board Upgrade Kit	GR2000/0704
	Hybrid Option Board Upgrade Kit	GR2000/0705
	Transmitter Power Supply Option Board Upgrade Kit	GR2000/0706
	6-Channel Analog Input Board Upgrade Kit	GR2000/0708
Archive Media		
Note. Upgrade kits for the SM2000 are dependant on chassis design. If in doubt, contact ABB St.Neots		
	SM1000 (and SM2000 Manufactured April 2002 Onwards)	
	Compact Flash Upgrade Kit	GR2000/1700
	SmartMedia Upgrade Kit	GR2000/1702
	SM2000 (Manufactured Before April 2002)	
	Compact Flash Upgrade Kit	GR2000/0700
	SmartMedia Upgrade Kit	GR2000/0702

3 SERVICE KIT

Description	Part Number
SM2000 Display Backlight Replacement Kit	GR2000/0720

4 ANCILLARY PARTS

Description	Part Number
SM1000/2000 Soft Carry Case	GR2000/0717
SM1000/2000 Hard Carry Case	GR2000/0718
SM1000/2000 Demo Stand	GR2000/0719

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