

APPENDIX

APPENDIX 1. Spare Parts List

Atmos Multi Mk 2 Parts List

Drg Ref	Description	Atmos Multi 24/80			Part Ref.
		Atmos Multi 24/80 PLUS			
		Atmos Multi 32/80 PLUS			
1	Wall bracket	*	*	*	07.98.37.043
2	Bracket fixing kit	*	*	*	07.95.82.006
3	Rear casing	*	*	*	07.90.22.080
3.1	AAV Grommet 15 mm red/brown	*	*	*	07.98.68.026
3.2	Casing latches kit	*	*	*	07.90.82.009
4	Securing bolt	*	*	*	07.98.44.075
5	Air intake pipe	*	*	*	07.98.74.298
6	Automatic closing device 3/8"	*	*	*	75.06.65.001
7	Automatic air vent 3/8"	*	*	*	79.40.26.001
8	Flue gas pipe	*	*	*	07.98.74.295
8	Flue gas temp measuring point	*	*	*	07.95.15.002
9	Flue pipe	*	*	*	07.98.74.286
10	Gas pipe	*	*	*	07.98.74.282
11	Gas valve & fittings set	*	*	*	07.95.00.002
11.1	Gas valve	*	*	*	07.98.78.003
11.2	O-Ring 26,57x3,53	*	*	*	07.98.83.190
11.3	Bolt M5x8	*	*	*	82.27.02.908
11.4	Nipple 1/2"	*	*	*	07.98.74.312
12	Sealing washer	*	*	*	07.98.83.189
13	Connecting tube - 24 Model	*	*		07.95.74.024
13	Connecting tube - 32 Model			*	07.95.74.025
14	Fixing nut M6	*	*	*	07.98.82.120
15	Flow pipe set	*	*	*	07.95.00.003
15.1	Flow pipe	*	*	*	07.98.74.283
15.2	(deleted)	*	*	*	75.66.99.027
15.3	Tightening ring 22 mm	*	*	*	07.98.74.155
15.4	Tightening nut M27x1,5	*	*	*	07.98.82.119
15.5	CH Temperature sensor	*	*	*	07.98.63.042
15.6	Plug 1/2"+ O-Ring	*	*	*	74.53.80.016
16	Tank set	*			07.95.05.008
16	Tank set - Plus Version		*	*	07.95.05.009
16.1	Tank frame	*	*	*	07.98.30.006
16.2	Earthing washer M8	*	*	*	07.98.82.114
16.3	Hex bolt M8x12	*	*	*	07.98.82.112
16.4	Sealing washer M8	*	*	*	82.74.06.903
16.5	Pump/heat exchanger pipe	*	*	*	07.98.74.285
16.6	Union nut 1"	*	*	*	07.98.82.113
16.7	O-Ring 22x3.0	*	*	*	07.98.83.227
16.8	Bracket bolt	*	*	*	07.98.43.017
16.9	Silicone sealing ring	*	*	*	07.98.83.231
16.10	Adjusting screw M6x25	*	*	*	07.98.82.117
16.11	Support collar 22 mm		*	*	07.98.74.206
16.12	Earthing tab 6,3 mm 45°	*	*	*	68.31.12.828
16.13	Screw M4x8 self tap	*	*	*	82.08.93.046

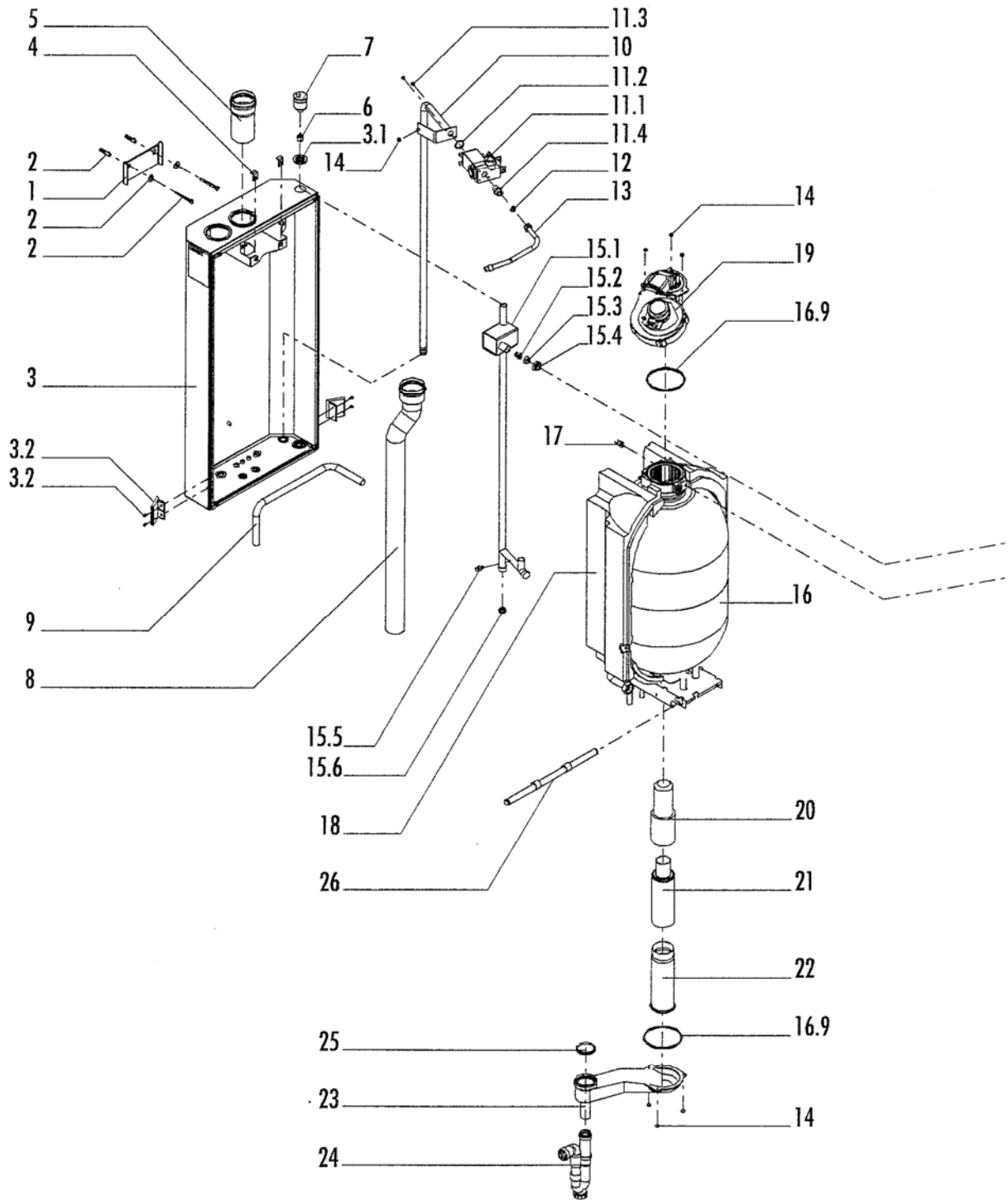
Atmos Multi Mk 2 Parts List

		Atmos Multi 24/80			Atmos Multi 24/80 PLUS			Atmos Multi 32/80 PLUS		
Drg Ref	Description	*	*	*	*	*	*	*	*	Part Ref.
17	Thermostat	*	*	*	*	*	*	*	*	78.76.54.981
18	Rear insulation	*	*	*	*	*	*	*	*	07.98.83.229
19	Burner/fan assembly - 24 Model	*	*	*	*	*	*	*	*	07.95.25.003
19	Burner/fan assembly - 32 Model	*	*	*	*	*	*	*	*	07.95.25.004
19.1	Burner casting	*	*	*	*	*	*	*	*	07.95.07.002
19.2	Fan casing	*	*	*	*	*	*	*	*	07.98.83.185
19.3	Fan	*	*	*	*	*	*	*	*	07.98.36.003
19.4	Nut M4	*	*	*	*	*	*	*	*	07.98.82.080
19.5	Viewing glass set	*	*	*	*	*	*	*	*	07.95.26.003
19.6	Burner set	*	*	*	*	*	*	*	*	07.95.25.002
19.7	Ionisation probe set	*	*	*	*	*	*	*	*	07.95.78.004
19.8	Ignition electrode set	*	*	*	*	*	*	*	*	07.95.70.006
19.9	O-Ring 80x2	*	*	*	*	*	*	*	*	07.98.83.184
19.10	Mixing chamber 25 mm - 24 Model	*	*	*	*	*	*	*	*	07.98.16.002
19.10	Mixing chamber 28 mm - 32 Model	*	*	*	*	*	*	*	*	07.98.16.001
19.11	Screw M6x8	*	*	*	*	*	*	*	*	07.98.82.082
19.12	Grommet 15 mm	*	*	*	*	*	*	*	*	07.98.68.041
19.13	Nipple cover Ø 6 mm	*	*	*	*	*	*	*	*	07.98.15.092
20	Ceramic core	*	*	*	*	*	*	*	*	07.98.27.001
21	Mid baffle	*	*	*	*	*	*	*	*	07.98.41.027
22	Lower baffle	*	*	*	*	*	*	*	*	07.98.41.016
23	Condensate collector	*	*	*	*	*	*	*	*	07.98.07.007
24	Siphon 32x140 mm	*	*	*	*	*	*	*	*	07.90.74.200
25	Sealing washer 60 mm	*	*	*	*	*	*	*	*	07.98.83.233
26	Lifting bar set	*	*	*	*	*	*	*	*	07.95.74.023
27	CH pump (inc. cable loom K5)	*	*	*	*	*	*	*	*	07.95.36.002
28	3 Port valve (inc. cable loom K7)	*	*	*	*	*	*	*	*	75.83.01.004
29	Return pipe for CH pump	*	*	*	*	*	*	*	*	07.98.74.284
30	Pressure sensor	*	*	*	*	*	*	*	*	07.98.78.004
31	Pump seal 30 mm	*	*	*	*	*	*	*	*	07.98.83.230
32	Union nut 1"	*	*	*	*	*	*	*	*	07.98.82.113
33	Short pipe for pump	*	*	*	*	*	*	*	*	07.98.74.288
34	T-piece 22x22x22 mm	*	*	*	*	*	*	*	*	07.98.74.304
35	Pipe with bend - pump	*	*	*	*	*	*	*	*	07.98.74.296
35	Pipe with bend – helix coil	*	*	*	*	*	*	*	*	07.98.74.287
36	Elbow connection 22x22 mm	*	*	*	*	*	*	*	*	74.64.30.958
37	Front insulation	*	*	*	*	*	*	*	*	07.98.83.228
38	Flow pipe	*	*	*	*	*	*	*	*	07.98.74.308
39	Bracket	*	*	*	*	*	*	*	*	07.98.37.042
40	Ignition transformer	*	*	*	*	*	*	*	*	07.98.61.001
41	Screw M4x8 self tap	*	*	*	*	*	*	*	*	82.08.93.046
42	Hex bolt M8x12	*	*	*	*	*	*	*	*	07.98.82.112
43	Controller mounting plate	*	*	*	*	*	*	*	*	07.95.30.001
44	Controller	*	*	*	*	*	*	*	*	07.95.64.001
45	Controller front plate	*	*	*	*	*	*	*	*	07.98.35.288
46	Front case set	*	*	*	*	*	*	*	*	07.95.22.004
47	Data Plate 24 Model	*	*	*	*	*	*	*	*	07.98.35.294
47	Data Plate 24 Plus Model	*	*	*	*	*	*	*	*	07.98.35.295

Atmos Multi Mk 2 Parts List

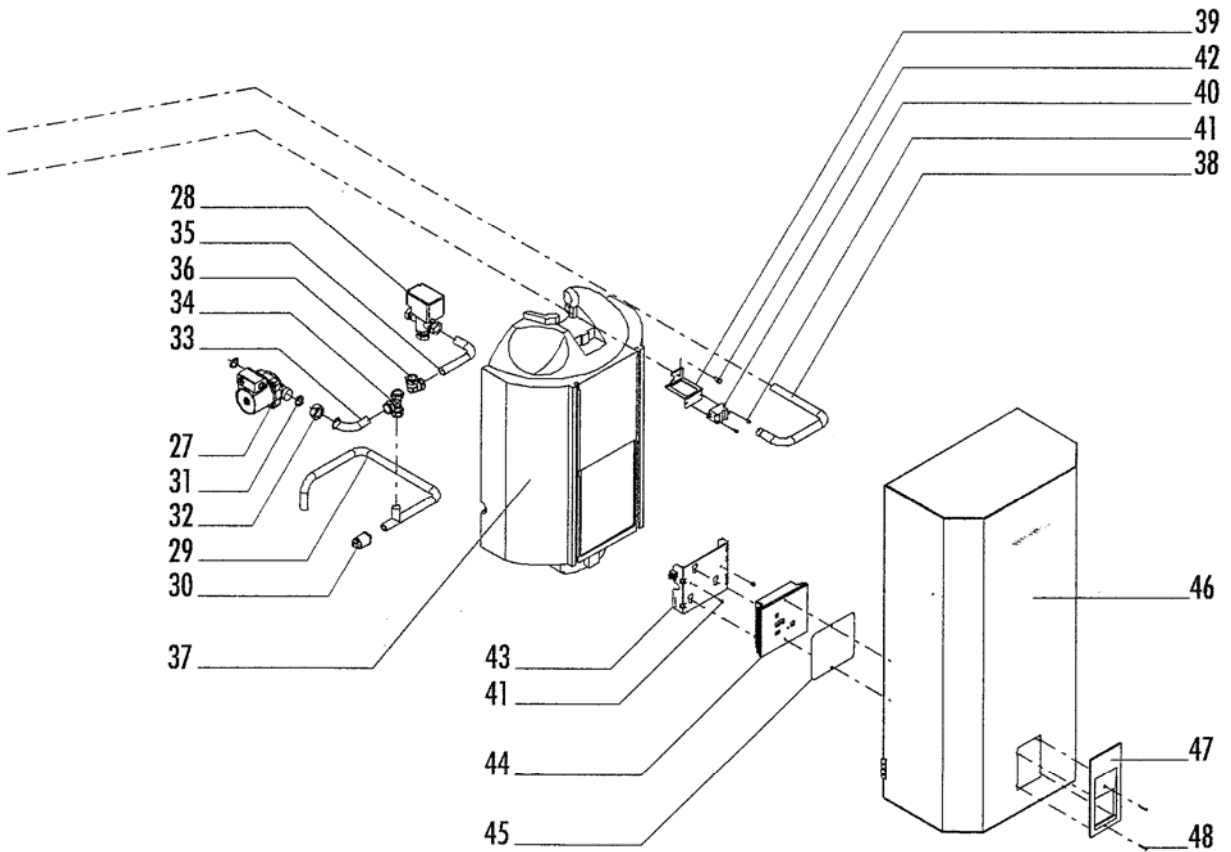
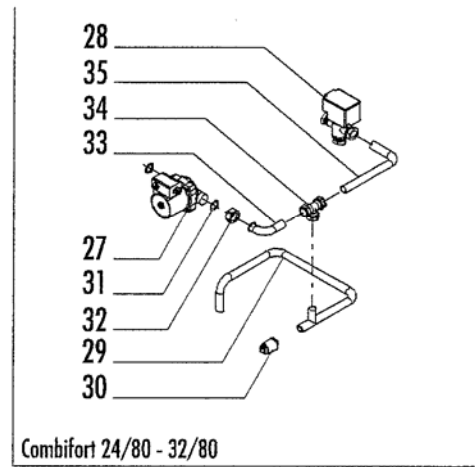
		Atmos Multi 24/80			Atmos Multi 24/80 PLUS			Atmos Multi 32/80 PLUS		
Drg Ref	Description									Part Ref.
47	Data Plate									07.98.35.296
47	Data Plate 32 Plus Model					*				07.98.35.297
48	Screw M3x 25	*	*	*						07.98.82.115
100	Cable loom K1 (room thermostat)	*	*	*						07.98.66.122
101	Cable loom K2 (pressure sensor)	*	*	*						07.98.66.206
102	Cable loom K4 (CH flow & tank temp sensors)	*	*	*						07.98.66.212
103	Appliance selection 24 Model	*								07.98.63.043
103	Appliance selection 24 Plus Model		*							07.98.63.044
103	Appliance selection									07.98.63.045
103	Appliance selection 32 Plus Model					*				07.98.63.046
104	Tank temperature sensor	*	*	*						07.98.63.047
105	Cable loom K5 (CH pump)	*	*	*						07.98.66.208
106	Cable loom K6 (Gas valve, max. thermostat, Ionisation/ Ignition electrode)	*	*	*						07.98.66.202
107	Cable loom K7 (3 port valve)	*	*	*						-
108	Cable loom K8 (fan)	*	*	*						07.98.66.201
109	Cable K11 (main boiler earth)	*	*	*						07.98.66.207
110	Cable loom K12 (ignition earth)	*	*	*						07.98.66.204
111	Cable loom K13 (ignition)	*	*	*						07.98.66.210
112	Mains lead	*	*	*						07.98.66.120
Note 1	Temp. & pressure relief valve	*	*	*						?

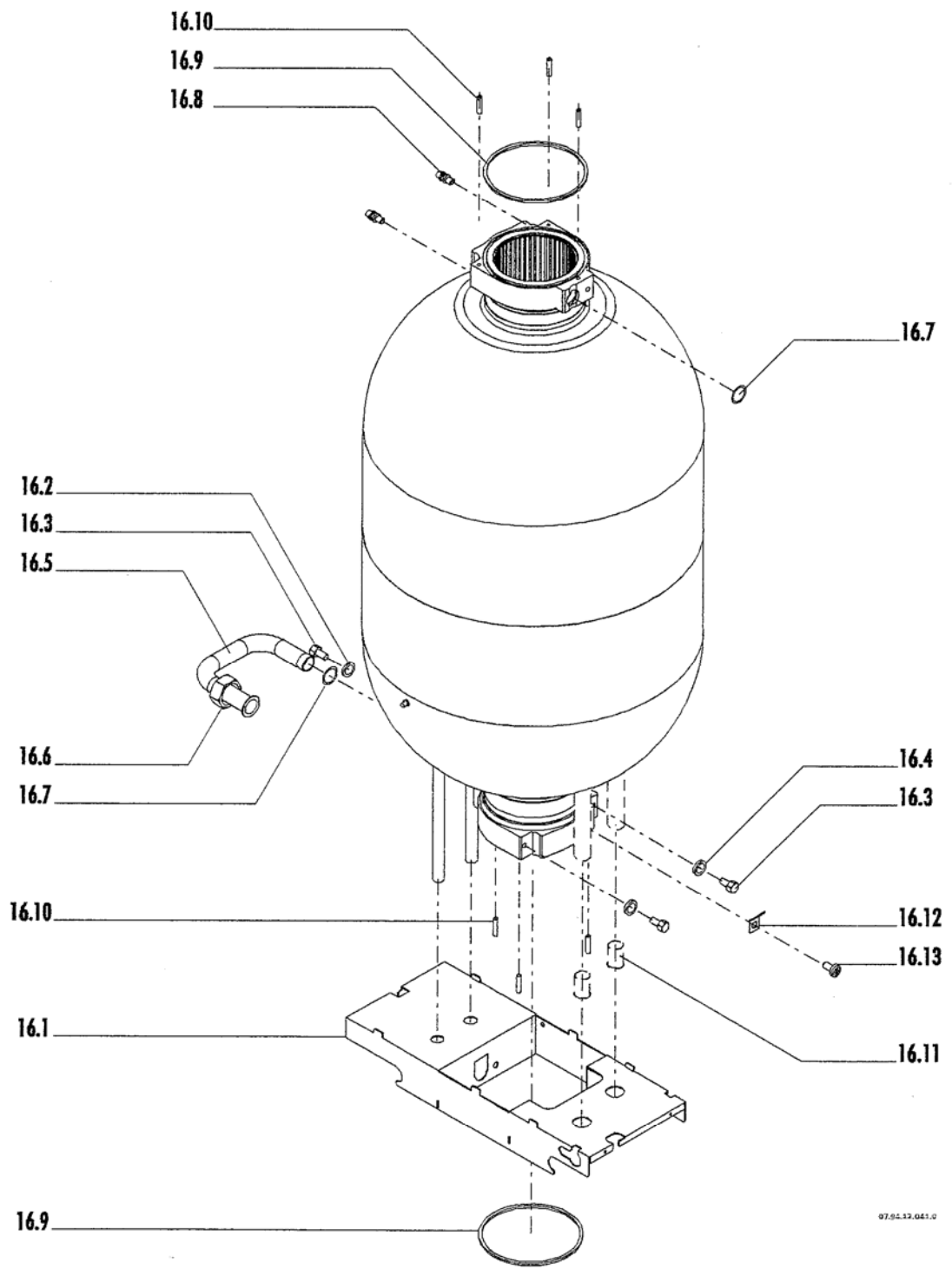
Note 1 – This part is not shown in the diagrams. Please refer to the Boiler Schematic (Section 4).

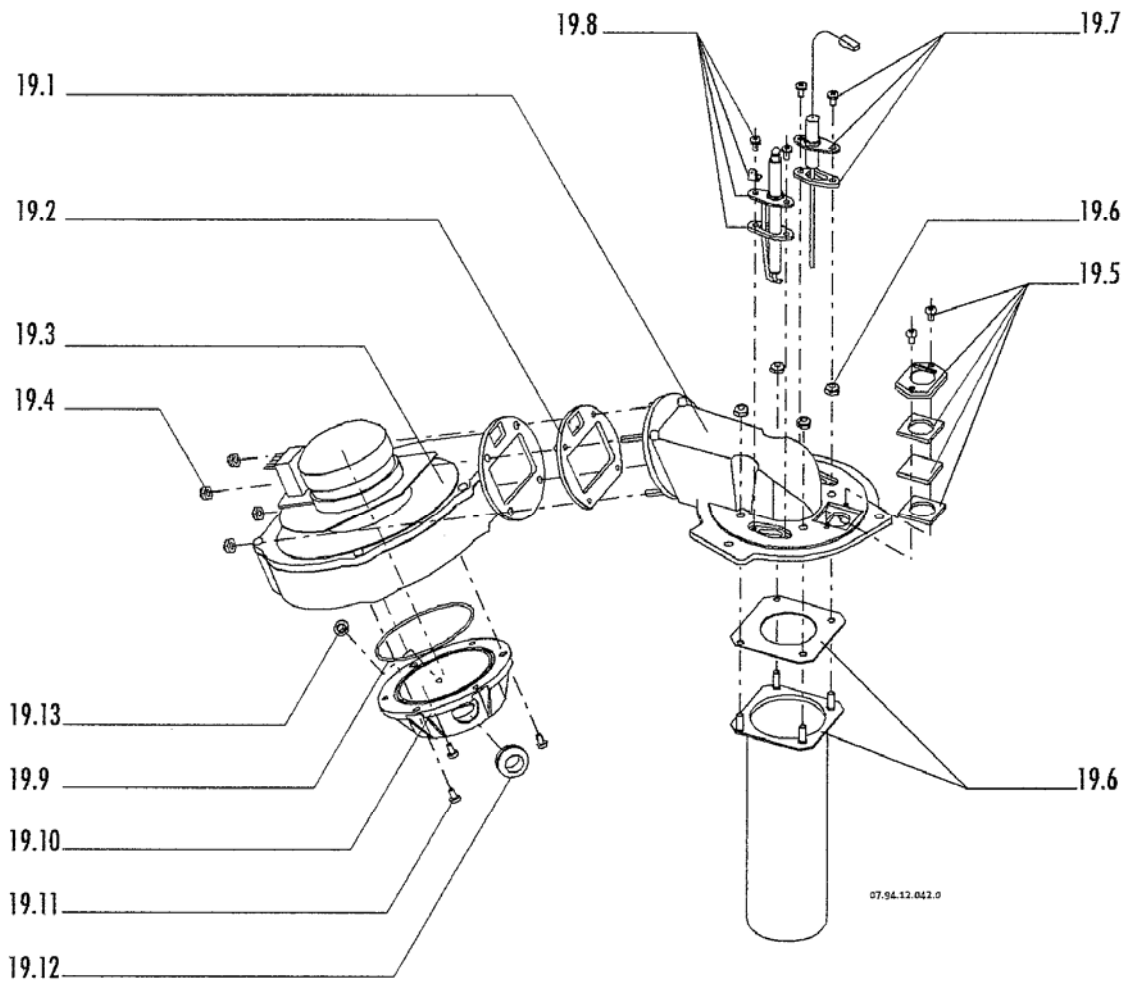


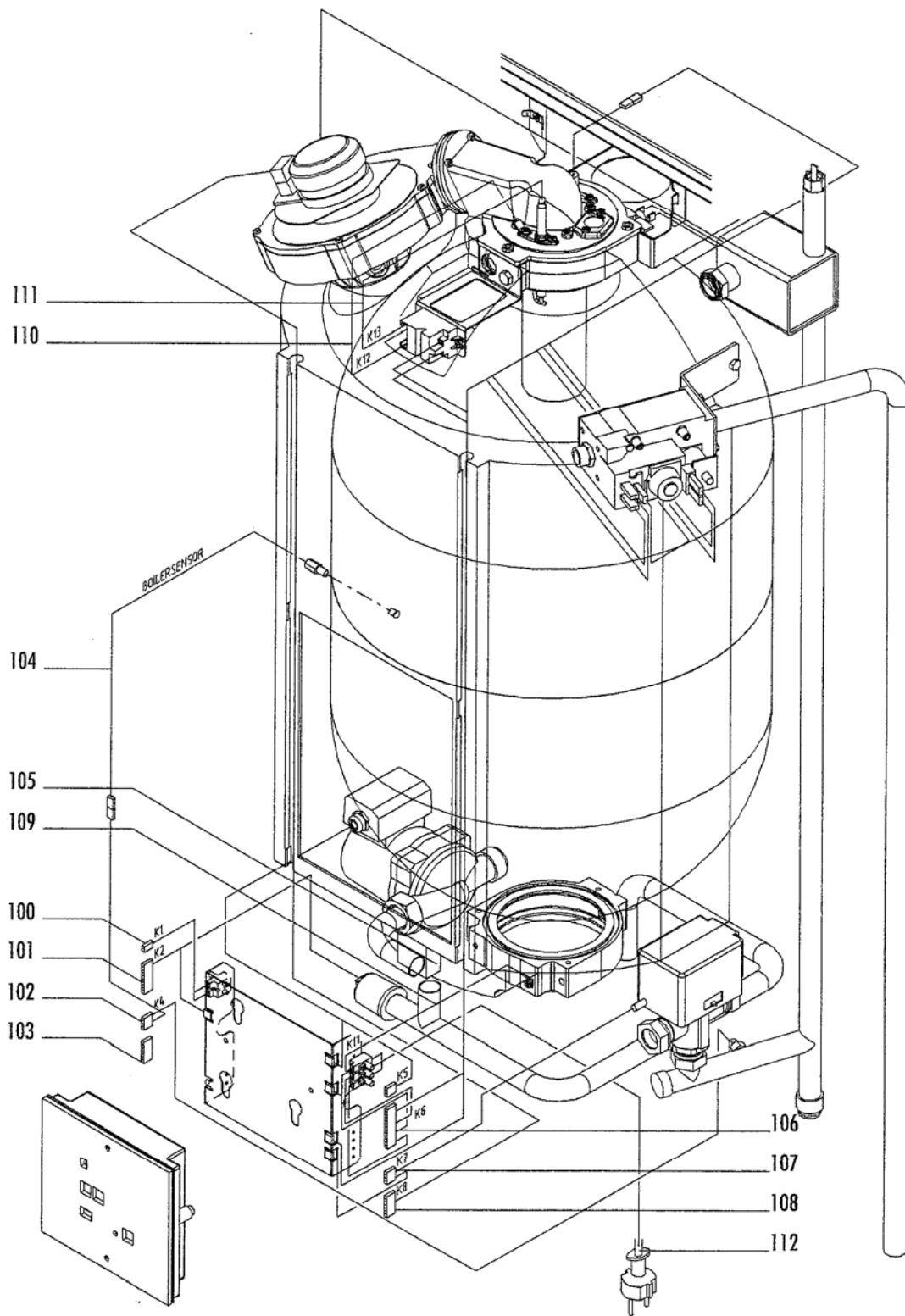
CombiFort 24/80 - 24/80+ - 32/80 - 32/80+

07.94.12.040.0









APPENDIX 2. Fault Finding

1. GENERAL

The *Atmos Multi* has 3 types of error messages:-

1. Warning messages

In this case, instead of the status message, a letter appears on the diagnostic display for one second, once every 5 seconds.

2. Blocking messages

A permanently illuminated letter appears on the diagnostic display.

3. Malfunction messages

A flashing letter or number appears on the diagnostic display.

In the event of a warning message, the function to which the message applies will be switched off while the appliance continues to operate.

In the event of a malfunction message, the entire appliance will be shut down requiring manually resetting before the boiler will continue operation.

OPERATING CODES ON ATMOS MULTI

See also Table 1 in Section 5 of the Manual. The following appear on the status display:-

- | | |
|----------|---|
| 1 | Hot water heating operating |
| 2 | Central heating operating |
| 3 | Hot water and central heating – priority to hot water |
| 4 | Hot water and central heating - supply to both |

The dot in the bottom right hand corner of the diagnostic display indicates the following burner function:-

No dot	No burner
Slow flashing dot	Minimum fire
Increasingly fast flashing dot	Higher & higher firing
Constant dot	Burner on maximum output

The dot in the bottom right hand corner of the central heating display: -

Dot	Motorised valve energised to send water to the central heating circuit
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2. SUMMARY OF MESSAGES

This section provides a brief description of the warning, blocking and malfunction messages which appear on the appliances diagnostic display. The causes of these messages are addressed in more detail in section 3.

2.1 Warning messages

A warning message is identified by a letter that appears on the diagnostic display once every 5 seconds, for a period of 1 second, instead of the status message.

Diagnostic display code		
Status message (Number)	Warning every 5 seconds	Message
8	b	Incorrect hot water tank temperature reading, value <-10°C or> 118°C
	c	Incorrect central heating water pressure, value between 0 and 0.5 bar or 3 and 4 bar (capacity is limited to low setting)
	d	Incorrect central heating return sensor reading, value <-10°C or> 118°C
	h	Incorrect outside sensor reading, value <-15°C or>118°C

2.2 Blocking messages

A blocking is an error that occurs without causing a malfunction. The appliance waits until the blocking has been resolved and then continues to operate normally. A blocking is indicated by a permanently lit letter on the diagnostic display.

Code		
Diagnostic display	Central heating water display	Message
c	HH	Central heating water temperature sensor error value >118°C
	LL	Central heating water temperature sensor error, value <-10°C
C*		Central heating pressure lower than 1 bar (occurs when the plug is inserted into the power socket)
F		Mains frequency error
H		Internal error
L		Electrical mains plug error-correct supply polarity
n		Mains or reference voltage too low
t	HH	Appliance type recognition error, value >118°C
	LL	Appliance type recognition error, value <-10°C
	10	Appliance type recognition error, control unit is set to 24/80
	11	Appliance type recognition error, control unit is set to 24/80 ^{plus}
	20	Appliance type recognition error, control unit is set to 32/80
	21	Appliance type recognition error, control unit is set to 32/80 ^{plus}

* this code will not be stored in the memory

2.3 Malfunction messages

A malfunction is an error which is so serious that the appliance is locked. A malfunction message is identified by a locked control unit accompanied by a flashing number or letter on the diagnostic display. The appliance can only be unlocked by pressing the reset button.

Code		Message
Diagnostic display	Central heating water display	
2		Fan defective (5Hz deviation per minute)
3		Incorrect ionisation (flame) signal
3.		No ionisation (flame) signal during start-up procedure
4		Ionisation signal absent during heat supply (diagnostic code 1-4)
4.		Ionisation signal remains present too long after heat supply
6.		Gas valve control defective
7		Insufficient flow of central heating water during hot water heating
7.		Insufficient flow of central heating water during radiator heating
8		Maximum thermostat cuts out and central heating water pressure was lower than 0.5 bar
9		Maximum thermostat cuts out and central heating water sensor was higher than 80°C
9.		Safety internal malfunction in control unit
Letter		Internal malfunction in control unit
(Dark display)		Appliance receiving no voltage

3. CAUSES OF MESSAGES

3.1 Warning messages

A warning message is identified by a letter that appears on the diagnostic display every five seconds for a period of one second instead of the status message. The appliance continues to operate, but the function to which the message applies will be switched off or ignored. Once the cause of the warning message has been solved, the appliance will start up again automatically so resetting is not necessary. The possible causes are described below in order of probability. Also look for the malfunction in this order.

Diagnostic display code			Central heating water display code	
Status message (Number)	Warning every 5 seconds	Diagnosis	Message	Cause
	<i>b</i>	Hot water tank temperature <-10°C or >118°C. In sub-program sensor values the message HH (>118°C) or LL (<-10°C) appears on the central heating water display.	<i>HH</i>	<ul style="list-style-type: none"> • Central heating temperature >118°C • Connector K4 loose or improperly connected • Temperature sensor wiring interrupted • Sensor defective • Control unit
			<i>LL</i>	<ul style="list-style-type: none"> • Control heating temperature <-10°C • Short circuit in temperature sensor wiring • Sensor defective • Control unit

	c	Central heating water pressure too low or too high. Limiting the output to the appliances lowest capacity. The current central heating water pressure is shown on the central heating display. If the central heating water temperature is set on the central heating display, the current central heating water pressure can be read through 'sub-program sensor values'	0 – 0.5 BAR	<ul style="list-style-type: none"> Central heating system lacking water pressure No venting of the central heating system through the automatic de-aerator Leak in the appliance or central heating system Central heating pressure sensor defective
			3 – 4 BAR	<ul style="list-style-type: none"> Central heating system over pressurised Expansion tank defective Central heating pressure sensor defective
	d	Central heating return temperature <-10°C or >118°C. In sub-program sensor values, HH (>118°C) or LL (<-10°C) will appear on the central heating water display.	HH	<ul style="list-style-type: none"> See cause of HH in status message
			LL	<ul style="list-style-type: none"> See cause of LL in status message
	h	Outside temperature<-10°C or >118°C. In sub-program sensor values, HH (>118°C) or LL (<-10°C) will appear on the central heating water display.	HH	<ul style="list-style-type: none"> See cause of HH in status message
			LL	<ul style="list-style-type: none"> See cause of LL in status message

3.2 Blocking messages

A blocking message is identified by a permanently illuminated letter on the diagnostic display. Once the blocking has been solved, the appliance will start up again automatically. So resetting is not necessary.

The possible causes are described below in order of probability. Also look for the malfunction in this order.

Code		Diagnosis	Cause
Diagnostic display	Central heating water display		
c	HH	Central heating water temperature > 118°C	<ul style="list-style-type: none"> See cause of HH in 'status message/b' [3.1]
	LL	Central heating water temperature < -10°C	<ul style="list-style-type: none"> See cause of LL in 'status message/b' [3.1]
C*		Appliance blocked because central heating system pressure is too low	<ul style="list-style-type: none"> Central heating pressure lower than 1 bar
F		Mains frequency error	<ul style="list-style-type: none"> If this blocking occurs frequently or for a long period, replace control unit
H		Internal error	<ul style="list-style-type: none"> If this blocking occurs frequently or for a long period, replace control unit
L		Electrical mains supply	<ul style="list-style-type: none"> Mains supply has wrong polarity Not earthed Ionisation electrode earth wire loose Control unit
n		Mains or reference voltage too low	<ul style="list-style-type: none"> Mains voltage < 200 volts Mains voltage insufficient Control unit
t	HH	Appliance type recognition error, value > 118°C	<ul style="list-style-type: none"> Control unit selected incorrectly Selection resistance defective Control unit defective
	LL	Appliance type recognition error, value < -10°C	
	10	Appliance type recognition error, the control unit is set to 24/80	
	11	Appliance type recognition error, the control unit is set to 24/80 ^{plus}	
	20	Appliance type recognition error, the control unit is set to 32/80	
	21	Appliance type recognition error, the control unit is set to 32/80 ^{plus}	

* this code will not be stored in the memory

3.2 Malfunction messages

A malfunction message is indicated by a flashing number or letter on the diagnostic display combined with a locked control unit. Once the malfunction is solved, the control unit must be unlocked by pressing the reset button once. Should the control unit fail to unlock, try again after approx. 20 seconds.

The possible causes are described below in order of probability. Also look for the malfunction in this order.

Code	Diagnosis	Cause
Diagnostic display		
2	Fan defective (5 hz deviation per minute)	<ul style="list-style-type: none"> • Fan not turning • Fan's electrical connection loose or improperly connected • Control unit
3	Incorrect ionisation (flame) signal	<ul style="list-style-type: none"> • Valve in gas valve remains open or leaks • Control unit
3.	No ionisation (flame) signal during start-up procedure	<ul style="list-style-type: none"> • No gas supply <ul style="list-style-type: none"> – gas tap closed – gas valve defective – gas valve's electrical connection loose or improperly connected • Air supply obstructed • Flue tube obstructed • Siphon obstructed • Ionisation cabling not in order • Ionisation probe defective or causing short-circuit such as against burner • No ignition <ul style="list-style-type: none"> – ignition transformer electrical connection loose or improperly connected – power cable defective – ignition electrode defective or causing short-circuit • Control unit
4	Ionisation signal lost during heat supply (diagnostic code 1 - 4)	<ul style="list-style-type: none"> • Insufficient gas supply • Siphon obstructed • Ionisation electrode defective / causing short-circuit such as against burner • Gas valve set incorrectly • O₂ content more than 7.5% at low setting • Fan's low capacity circuit defective or interrupted • Burner damaged • Control unit
4.	Ionisation signal remains too long after heat supply	<ul style="list-style-type: none"> • Valve in gas valve defective, remains open or leaks • Control unit
6	Gas valve control receiving voltage erroneously	<ul style="list-style-type: none"> • Wiring error • Control unit

Malfunction messages (continued)

Code	Diagnosis	Cause
Diagnostic display		
7	Insufficient circulation of central heating water during hot water heating	<ul style="list-style-type: none"> • Insufficient central heating water in the central heating water circuit - Central heating water pressure too low (minimum 1 bar at the appliance)- Automatic de-aerator not functioning properly (Air in the appliance) Central heating pump not running - Central heating pump stuck - Connector K5 loose - Central heating pump defective - Thermal safety switched off - Control unit
7.	Insufficient circulation of central heating water during radiator heating	<ul style="list-style-type: none"> • Insufficient central heating water in the central heating water circuit <ul style="list-style-type: none"> - Central heating water pressure too low (minimum 1 bar at the appliance) - All (thermostat) radiator taps are closed (pressure difference regulator not set properly if present) - Accumulation of air caught somewhere in the central heating water circuit -Automatic de-aerator not functioning properly (air in the appliance) • Central heating pump not running <ul style="list-style-type: none"> - Central heating pump stuck - Connector K5 loose - Central heating pump defective - Control unit
8	High limit thermostat switches off and central heating water pressure lower than 0.5 bar	<ul style="list-style-type: none"> • Central heating water pressure incorrect • Central heating water temperature sensor not properly connected to central heating water pipe • Thermal safety connection defective • Thermal safety defective • Control unit • Central heating pump not running <ul style="list-style-type: none"> - Central heating pump stuck - Connector K5 loose - Central heating pump defective - Control unit
9	High limit thermostat switches off and temperature of central heating water sensor exceeds 80°C	<ul style="list-style-type: none"> • Central heating water temperature sensor not properly connected to central heating water pipe • Thermal safety connection defective • Thermal safety defective • Control unit • Central pump not running <ul style="list-style-type: none"> - Central heating pump stuck - Connector K5 loose - Central heating pump defective - Control unit
9.	Control unit safety malfunction	<ul style="list-style-type: none"> • Control unit
LETTER	[Letter such as A or E] Internal error in control unit.	<ul style="list-style-type: none"> • Control unit
[Dark display]	Appliance not receiving any power	<ul style="list-style-type: none"> • Plug not inserted in wall socket • No electricity from wall socket • Wire loom connector k6 not connected • Control unit fuse defective • Mains voltage wiring defective • Control unit

4. USER PROGRAM

The user program is identified by a permanently lit letter followed by a dot.

- Access : Press 'Set' button for approx. 5 seconds until the letter **b.** appears
- Next setting : Press 'Set' button
- Different value : Press 'Hot water' button
- Exit program : Press 'Reset' button

Code		Function	Setting
Diagnostic display	Central heating water display		
b.	0 1	Hot water tank temperature	60°C
	0 2		*65°C
	0 3		70°C
C.	8 8	Central heating temperature	°C
	0. 0	Central heating pressure sensor is not active	
	8. 8	Central heating pressure	*BAR
F.	8 8	Serial number + last malfunction	
G.	8 8	Serial number + last blocking	
0.**	0 0	Weather-dependent regulation	*Off
	0 1		Room thermostat time switch
	0 2		
S.	0 0	Non-standard setting (only applies to User program)	
	0 1	Return to standard* (only applies to User program)	

* standard

** only visible if outside temperature sensor is connected

5. INSTALLER PROGRAM

The Installer program is identified by a permanently illuminated letter without a dot.

- Access : Press 'Set' button for approx. 10 seconds until the letter **A** appears
- Different value : Press 'Hot water' button
- Next setting : Press 'Set' button
- Exit program : Press 'Reset' button
- To sub-program : Press 'Set' button followed by 'Hot water' button

Code		Function	Setting
Diagnostic display	Central heating water display		
A	8 8	Fictitious ionisation flow	
	L L	Low capacity (continuous)	
	H H	High capacity (continuous)	
b	5 b	To sub-mode sensor values	
c	0 0	Modulate at central heating temperature	Off
	1 1		*On
C	6 0	Central heating water temperature (maximum)	60°C
	7 5		75°C
	9 0		*90°C
E	0 0	Three-way valve capacity control	Off
	1 1		*On
F	8	Malfunctions (maximum 15)	Begin/end
	8 8	- 8 = service identification number (0 - 6)	Last malfunction code
	8 8	- 8 = malfunction code	Last malfunction code -1
	8 8		etc.
G	8	Blocks (maximum 16)	Begin/end
	8 8	- 8 = service identification number (0 - 6)	Last blocking code
	8 8	- 8 = blocking code	Last blocking code -1
	8 8		etc.

* standard

Code		Function	Setting
Diagnostic display	Central heating water display		
h	0 1	Pump over-run for central heating	* 1 min.
	0 3		3 min.
	0 5		5 min.
H	0. 1	Pump over-run for boiler	*10 min.
	0. 2		20 min.
	0. 3		30 min.
	0. 4		40 min.
	1. 0		1 hour
	2 4		Continuous
L	0 0	Low capacity burner time	off
	0 5		5 min.
	1 0		* 10 min.
	1 5		15 min.
n	0 0	Central heating acceleration	off
	0 2		2 min.
	0 5		*5 min.
	1 0		10 min.
0**	5 b	To sub-program weather-dependent setting	Last blocking code
P	0 0	Anti-cycling central heating	off
	0 3		*3 min.
	0 6		6 min.
Q	5	Frost-protection (internal on central heating water)	5°C
	1 0		*10°C
	1 5		15°C
	2 0		20°C
5	0 0	Non-standard setting (only applies to service program)	
	1 1	Return to standard (only applies to service program)	
t***	1 0	Appliance recognition 24/80	
	1 1	Appliance recognition 24/80 ^{plus}	
	2 0	Appliance recognition 32/80	
	2 1	Appliance recognition 32/80 ^{plus}	
Y	7	Capacity limitation for central heating supply 24/80 and 24/80 ^{plus}	7.5 kW
	1 5		15 kW
	2 4		*24.5 kW
	1 0	Capacity limitation for central heating supply 32/80 and 32/80 ^{plus}	10 kW
	2 1		21 kW
	3 2		*32 kW

* *standard*

** *only visible if outside temperature sensor is connected*

*** *with the proper selection, the code t will not be visible in the service program*

6. SERVICE SERIAL NUMBER

Every malfunction is preceded by a service identification number. The service identification number is a handy tool for servicing the *ATMOS MULTI*. By changing this number after every service, the next time, one can see which blocks and/or malfunctions occurred since the last service.

To change the service identification number, the malfunction logbook **F** must first be selected. Then the 'Hot water' button is kept pressed in while finally the 'Set' button is pressed.

The service identification number will be increased by 1 to a maximum of 6, and will then start again from the number 0. When changing the service identification number, it is simultaneously changed in the blocking logbook.

The example below shows the logbook codes in the CH Water display, obtained by stepping through the most recent logged faults using the 'Hot water' button.

Example	DIAGNOSIS	CENTRAL HEATING WATER DISPLAY				
<ul style="list-style-type: none"> • OCT '02 INSTALLATION OF THE APPLIANCE – CONTENTS OF MALFUNCTION LOGBOOK – CONTENTS OF BLOCKING LOGBOOK 	F G	0- 0-				
<ul style="list-style-type: none"> • OCT '03 ANNUAL INSPECTION – CONTENTS OF MALFUNCTION LOGBOOK – CONTENTS OF BLOCKING LOGBOOK – SERVICE ID NUMBER INCREASED BY MEANS OF 'HOT WATER' AND 'SET' BUTTON 	F* G**	0- 0- 0-	07. 0c	07. 0-	0-	
<ul style="list-style-type: none"> • OCT '04 ANNUAL INSPECTION – CONTENTS OF MALFUNCTION LOGBOOK – CONTENTS OF BLOCKING LOGBOOK – SERVICE ID NUMBER INCREASED BY MEANS OF 'HOT WATER' AND 'SET' BUTTON 	F*** G	1- 1- 1-	13. 0c	07. 1-	07	1-

* Two times **07.** means insufficient central heating water flow during central heating operation.

** One **0c** means for example that the central heating water temperature connector was loose.

*** Malfunction **13** was added last year. This can be seen by the first number **1** (service identification number). The second number **3.** is the malfunction (in this case no ionisation signal during start-up procedure). The two last malfunctions are preceded by a different service number and are therefore from the previous services.

COMMENT!

Do not forget to increase the service identification number after each service/maintenance and record this with the date on the service chart of the appliance.

APPENDIX 3. Appliance Guarantee

GUARANTEE

□ What is covered by the Guarantee?

Atmos guarantees the heat exchanger and the water heater tank for material and construction faults for five years and the other parts for two years. Both periods are calculated from the date of commissioning.

This guarantee implies that the purchaser of this appliance is entitled to free delivery of the replacement part. Your installer may charge for the costs of dismantling and replacing the defective part.

Repairing or replacing parts during the guarantee period does not extend the length of the guarantee. Atmos gives a 1 year guarantee on replacement parts. Parts or appliances sent to the factory for repair or replacement must always be sent postage paid.

Defects caused by corrosion - both internally and externally - of any nature whatsoever, whatever their cause, and defects resulting from scale deposits are not covered by the guarantee.

Secondary damage, including water damage resulting from the appliance leaking, loss of earnings resulting from the failure of the appliance to perform correctly, fire, legal liability of the user to third parties and so on, do not come under the guarantee. The right to assess guarantee claims is reserved to Atmos, who must always be given the opportunity of inspecting the appliance on site.

□ Who conducts the Guarantee?

The provision of service and the execution of this guarantee is the responsibility of the installer from whom you bought the appliance.

□ Guarantee stipulations

Claims can only be made on the guarantee if the enclosed *GUARANTEE REGISTRATION CARD* has been completed and signed and returned to Atmos within 14 days of the installation date.

The appliance should be installed by a recognised installer according to the Atmos Multi installation instructions and the general and local regulations applicable at the time of installation.

The user must operate the appliance in accordance with the *OPERATING INSTRUCTIONS*. The guarantee becomes null and void if the appliance is used incorrectly, or in the event of proven negligence, or incorrectly implemented repairs. The guarantee also becomes null and void if changes are made to the appliance without our knowledge. The same applies if the data plate on the appliance is removed, crossed out or made illegible.

Repairs should be carried out by a recognised installer. Exclusively Atmos parts must be used.

The annual inspection and maintenance must be carried out by a recognised installer in accordance with the maintenance advice provided by Atmos.

If a defect occurs, the appliance will be assessed as it was originally set up and connected.

□ Receipt, Guarantee Registration card and Proof of Guarantee

Claims can only be made on the guarantee described above upon submission of the receipt invoice together with the fully completed proof of guarantee. You must retain this *PROOF OF GUARANTEE*, which you will find at the back of the *USER OPERATING INSTRUCTIONS*. The appliance serial number is also stated on this document. The purchase date and the name of your supplier must be clearly stated on your receipt.