



HANDBOOK AND SERVICE LOG

MODEL

12/19

20/25

26/30

50/70

75/95

BOILER SERIAL NUMBER: _____



Warranty registration

Your boiler is guaranteed for five years, we have a "no-quibble" policy which covers all components with the exception of service items.

For heat exchanger replacement after the warranty period, we have a discounted pricing structure based on age, the full cost being charged in year eleven.

Terms and conditions of warranty

We use the very best materials and engineering practice in the construction of our boilers, your boiler will provide many years service. Properly engineered product doesn't require reams of small print or get out clauses, our terms and conditions very concise:

1. Register the boiler with Hounsfield Boilers Ltd. You can do this on-line via our web site or by returning the registration form enclosed with the boiler documentation.
2. Ensure your boiler is serviced annually and keep records.
3. Any warranty work must be authorised by Hounsfield boilers Ltd.

Dear Home owner

Thank you for investing in a Hounsfield Boiler, we know you'll be pleased with your new purchase.

Please familiarise yourself with the controls and operation of your boiler set out in this document.

Please ensure your boiler warranty is registered with Hounsfield Boilers Ltd. Our warranty is industry leading, however we do ask that you follow our the terms and conditions.

Our best sales generator is "word of mouth" please pass the additional brochure supplied with your boiler to a friend or neighbour.

Kind regards



Andrew Hounsfield

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USER INFORMATION



Control thermostat

Controls the temperature of water within the boiler. For condensing boilers the temperature is preset to a maximum 70°C, for non-condensing boilers 80°C. A lower set point will increase boiler efficiency and in turn reduce fuel consumption.

Power neon

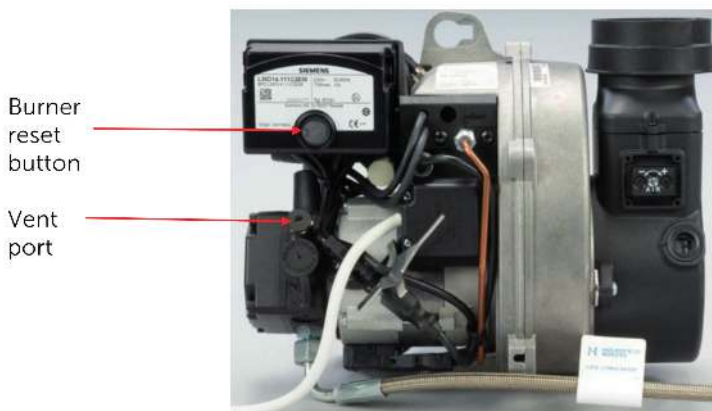
The green neon is illuminated when the heating system is switched on, via a room thermostat or the domestic hot water cylinder thermostat.

Limit neon and limit reset button

The red neon is illuminated when the boiler has over heated. To reset wait for the boiler to cool down, then press the reset button.

Lockout neon and lockout reset button

The amber neon is illuminated when burner ignition has failed, this is a safety feature. To reset the burner, wait for two minutes then press the burner reset button.



Priming the burner if you run out of oil

Use the 4 mm allen key located inside the boiler casing. Slacken the vent port plug, do not remove it. Press the reset button, the firing sequence will commence, gradually open the vent plug to purge air from the oil line. If ignition fails after a few attempts call your service engineer, the injector nozzle probably needs replacing.

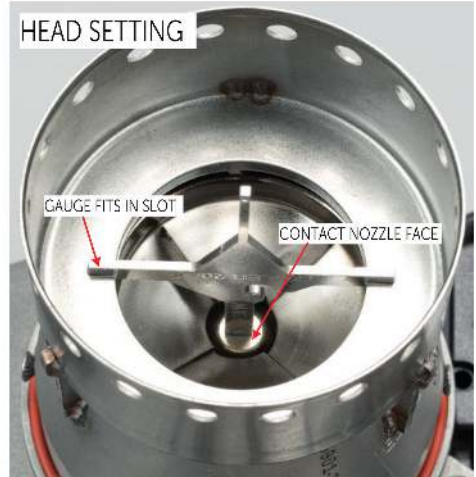
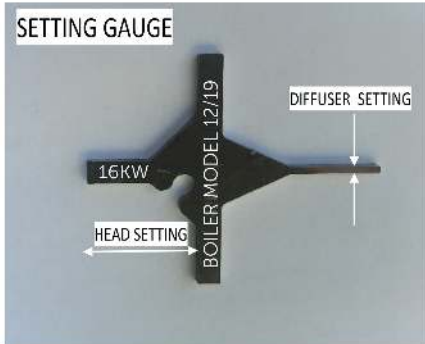
SERVICE ENGINEER'S INFORMATION



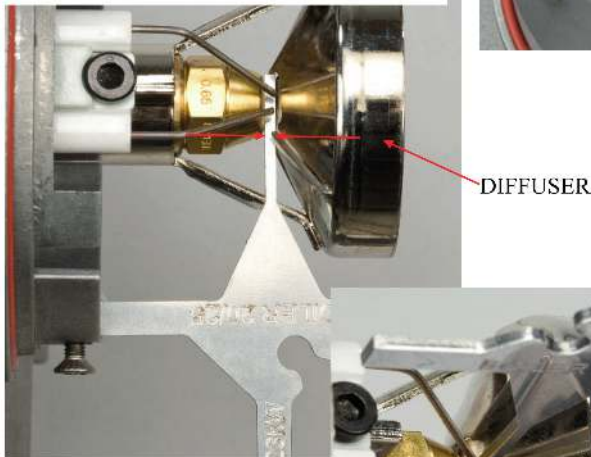
This section provides information for service engineers. Our burners are at the forefront of burner technology, under no circumstances should any adjustments be made without an electronic combustion analyser and associated equipment and essentially the competence of a qualified professional.



1. Burners are factory set and test fired, but will require commissioning after installation.
2. A setting gauge is supplied with every boiler to check critical dimensions.
3. To change the factory set output a different gauge is required - see table.



DIFFUSER SETTING
- NOZZLE FACE TO REAR OF DIFFUSER



HEAD ADJUSTMENT



BOILER MODEL	12/19 CONDENSING			20/25 CONDENSING			26/30 CONDENSING			50/70 NON CONDENSING			75/95 NON CONDENSING			
	12	14	16*	19	20	23*	25	26	28*	30	14	16*	19	22	25*	28
OUTPUT	41,000	48,000	55,000	65,000	68,000	76,000	85,000	89,000	96,000	102,000	48,000	55,000	70,000	75,000	85,000	95,000
NOZZLE	0.35/60° S	0.4/50° S	0.45/60° FS	0.55/60° FS	0.6/60° FS	0.65/60° FS	0.65/60° FS	0.75/60° FS	0.75/60° FS	0.85/60° FS	0.9/60° S	0.95/60° FS	0.95/60° FS	0.65/60° FS	0.75/60° FS	0.85/60° FS
OIL PRESSURE	8.5	11.5	8.0	8.0	8.0	8.5	10.5	8.5	10.0	8.5	12.0	8.5	9.0	8.5	9	7.5
FIRING RATE kg/m ³ +1%	130	115	115	115	110	120	105	115	135	120	175	125	130	120	135	115
FIRING RATE lbs./hr 1.4%	1.02	1.22	1.38	1.64	1.75	1.98	2.14	2.24	2.43	2.56	3.26	1.43	1.7	1.94	2.24	2.5
SEALING GAUGE PT NO.	B50070	B50071	B50072	B50073	B50074	B50075	B50076	B50077	B50078	B50079	B50080	B50081	B50082	B50083	B50084	B50085
HEAD SETTING +0.1MM	22.8	23.8	24.8	27	31.5	32	33.0	36.0	35.8	36.0	23.8	24.8	27	31.5	34.5	36.7
DIMENSION A APPROX.	65.8	66.8	67.8	70	74.5	75	76	79	78.8	79	66.8	67.8	70	74.5	77.5	79.7
DIPUSHER SETTING ± 0.1MM	2	2	2	2	2	2	2	3	3	3	2	2	2	3	3	3
NOMINAL AIR SETTING	0	0.4	1.1	1.8	2.5	3.5	4.0	3.1	3.4	3.45	1.2	1.8	2.1	3.2	4.1	5.8
SNO/ENO.	0			0			0			0			0			
CO%	11.5			11.5			11.5			11.5			11.5			
CO (PPM)**	10.5	9.7	8	7.5	9	8.5	8	7	9.5	9	8.7	7	6	8.2	6.8	5.8
NOx (PPM)**	59.2	58	58.2	57.6	59.7	60.1	61	63	56.7	57.5	57.6	58	59	57	56.4	61
NOx to ERP calc. (mg/kWh)**	106.8	105.2	104.7	103.6	102.4	104.3	103.7	111	109	109	107	109	109	108	107	112
FAN PRESSURE	2.3	2.3	2.25	2.25	2.2	2.5	2.6	3.5	3.8	3.6	3.2	3.3	3.6	3	3.3	3.6
ELECTRIC ABSORBED (kW)**	131	130	130	129	128	129	134	170	165	160	160	162	165	165	162	165
EFFICIENCY NETT %	96.97			96.97			96.97			96.97			93			
FGT DEG. °C @ NOMINAL 60°C RETURN 80°C FLOW	67	69	75	82	75	80	85	80	82	85	140	130	165	140	150	160
FGT DEG. °C @ NOMINAL 50°C RETURN 70°C FLOW	60	61	67	75	68	74	79	72	71	76	N/A	N/A	N/A	N/A	N/A	N/A

* FACTORY SETTING

** LABORATORY TEST RESULTS

Doc. Ref. L10020 issue 3

Siemens electronic control box diagnostics codes Pt.no. LMO14.111C2EM compatible with mechanical box LOA24.171B27EM

	Reset button colour	Status
1	Flashing yellow	Ignition phase
2	Solid green	Normal operation
3	Flashing green	Poor flame - refer line 9 for corrective action
4	Flashing green & red	False light on burner start up
5	Flashing yellow-red	Under voltage
6	Solid red	Lock-out - fault alarm
7	Flashing red	A number of flashes with a pause between communicates an error code - see below.
8	Flickering red	Diagnosics mode for connection to a computer
		Pressing the reset button 3 seconds or more activates the error code mode. Pressing the reset button again for 3 seconds or more activates the diagnostics mode. To deactivate press the button for 1 second, or remove control box to reboot.

When a solid red light is illuminated, you can get information about what has caused the problem by pressing & holding the reset button for 3 seconds. The number of flashes is repeated with a pause between.

	Fault code	Cause	Typical faults that cause lockout
9	2 flashes	No flame when ignition safety time expires	- lack of fuel supply - faulty nozzle - poor burner adjustment - faulty solenoid coil
10	4 flashes	False light during start	
11	7 flashes	Too many losses of flame during operation.	check corrective action for 2 flashes
12	10 flashes	Incorrect wiring, internal fault or simultaneous occurrence of two faults	
13	Return to normal operation, press reset button for 1 second or remove control box to reboot		

SERVICE LOG

YEAR	DATE	YEAR	DATE
1		11	
2		12	
3		13	
4		14	
5		15	
6		16	
7		17	
8		18	
9		19	
10		20	

Service engineer's contact details

Business / contact name:

Mobile:

Tel.:

Email: