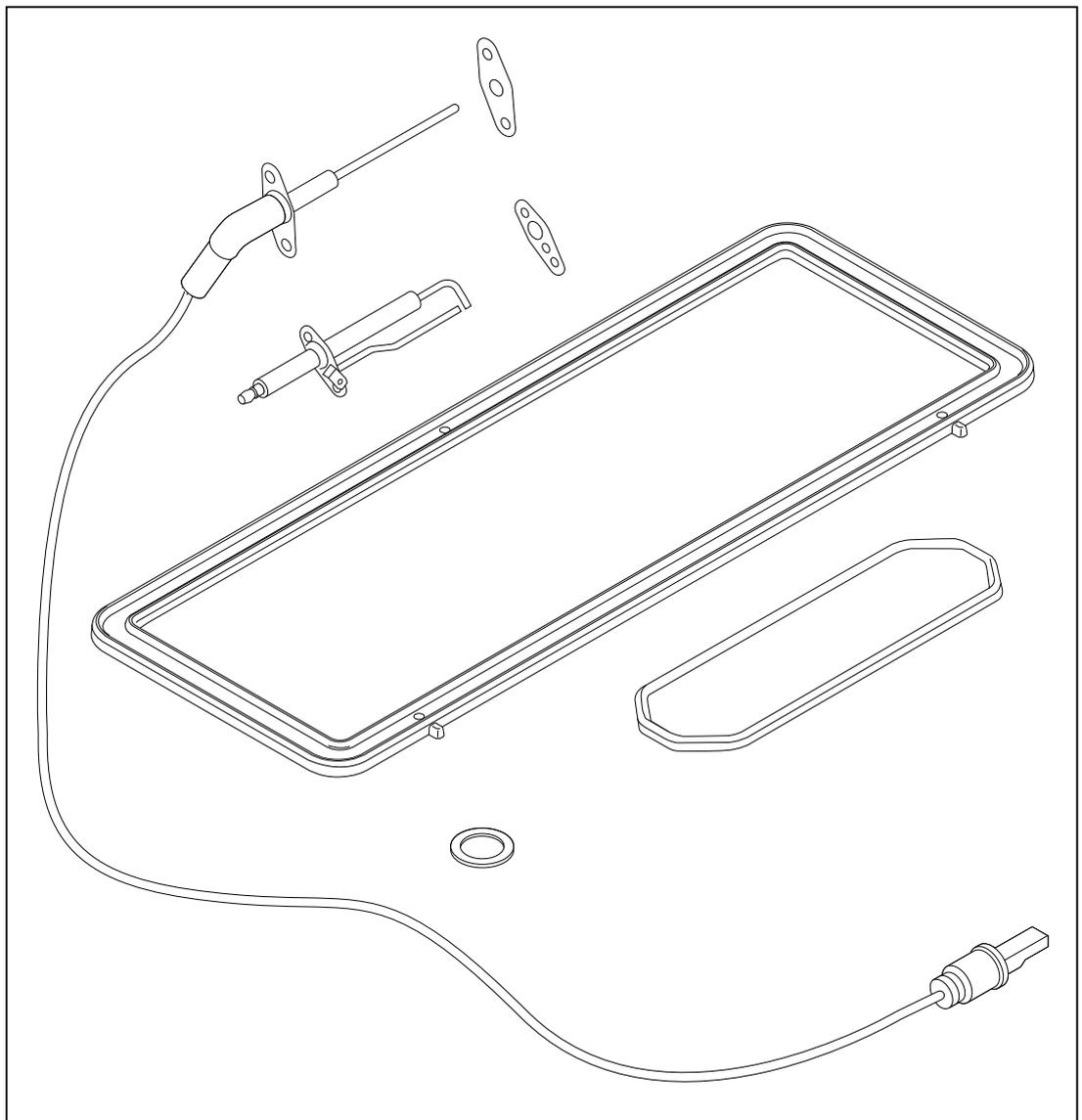


-weishaupt-

manual

Installation instructions



1 Service plan

1 Service plan

Observe safety instructions given in the installation and operating manual of the condensing boiler.

Carry out and document all steps for a complete service. The chapter references identified with "I+O" relate to the installation and operating manual of the condensing boiler.

Service steps		Carried out on			
		2009-03-31			
1	▶ Read out burner operating hours counter (I+O Ch. 6.3.2).	143 = 1500			
2	▶ Read out SCOT® base value (I+O Ch. 6.3.2).	114 = 85			
3	▶ Read out fault history	2x F22 1x F42			
4	▶ Carry out visual check and function test of safety and regulating devices.	✓			
5	▶ Ensure that the heating water meets the requirements, if necessary check top up water treatment (I+O Ch. 3.5).	✓			
6	▶ Check fuel and water carrying parts for leaks, corrosion and wear and tear.	✓			
7	▶ Check air/flue gas system. Carry out soundness test of flue gas system (I+O Ch. 5.5).	✓			
8	▶ Check gas inlet pressure.	20 mbar			
9	▶ Measure O ₂ [%] and CO [ppm] at full and minimum load (I+O Ch. 5.5).	O _{2max} = 5.1 CO _{max} = 50 O _{2min} = 5.3 CO _{min} = 10			
10	▶ Close gas isolating valve.	✓			
11	▶ Measure differential pressure of heat exchanger using adapter cable and test nipple supplied with the cleaning kit (481 000 00 26 2).	6 mbar			
12	▶ Switch off main switch and safeguard against reactivation.	✓			
Steps 13 to 21 are described in detail under Cleaning (see Ch. 1.1).					
13	▶ Check the burner.	✓			
14	▶ Clean heat exchanger if differential pressure (step 11) greater: – 3.5 mbar (WTC 45), – 5.0 mbar (WTC 60).	✓			
15	▶ Replace ionisation electrode	✓			
16	▶ Replace ignition electrode	✓			
17	▶ Clean condensate water siphon, fill and check condensate drain.	✓			
18	▶ Fit heat exchanger. ▶ Replace gaskets of service cover, burner cover and gas connection.	✓			
19	▶ Carry out a visual check of the electrical wiring.	✓			
20	▶ Switch on main switch (Standby).	✓			
21	▶ Check water pressure switch.	✓			
22	▶ Check the filling pressure of the system.	1.3 bar			

1 Service plan

Service steps		Carried out on			
		2009-03-31			
23	▶ Check the gas side for leakage (I+O Ch. 5.3).	✓			
24	▶ Check the water side for leakage.	✓			
25	▶ Start appliance and carry out calibration (I+O Ch. 5.5).	✓			
26	▶ Carry out heating and hot water operations, vent if necessary. ▶ Check condensate and flue gas side for leakage. ▶ Check soundness between burner cover / fan and burner cover / heat exchanger.	✓			
27	▶ Check ignition behaviour, if necessary correct via parameter P35 (I+O Ch. 6.3.3). ✓ Flame formation in approx. 1.3 seconds (I10; phase 5).	✓			
28	▶ Measure O ₂ [%] and CO [ppm] at full and minimum load (I+O Ch. 5.5).	O _{2max} = 5.5 CO _{max} = 22 O _{2min} = 5.5 CO _{min} = 11			
29	▶ Reset time since last service (I45) (I+O Ch. 6.3.2).	✓			
30	▶ Check date and time (WCM-FS) and time and day (WCM-DU).	✓			

1 Service plan

1.1 Cleaning

- ▶ (Picture 1) Undo screws ① and remove cover.
- ▶ (Picture 2) Unplug electrical connections ② from gas combi valve and fan. On WTC 60-A also unplug the 230 V voltage supply to the fan.
- ▶ (Picture 3) Undo union nut ③, remove screws and remove burner cover ⑤.
- ▶ Remove burner gasket ⑥.
- ▶ (Picture 4) Cover or close gas tube ⑦.
- ▶ Remove burner surface.
- ▶ Clean front ⑧ with cloth, and rear ⑨ with soft brush or compressed air (do not use any cleaning fluid).
- ▶ (Picture 5) Unplug ionisation cable from circuit board and remove ionisation electrode ⑪.
- ▶ Remove plug connections from ignition electrode ⑬ and remove ignition electrode.
- ▶ (Picture 6) Remove screws and service cover.
- ▶ Remove gasket ⑮ and clean sealing surface ⑯.
- ▶ (Picture 7) Remove deposits from the heat exchanger from the bottom up using the appropriate tools (no wet cleaning). Weishaupt recommend the use of the heat exchanger cleaning kit (Order No.: 481 000 00 26 2).
- ▶ Clean sealing surface ⑰.
- ▶ (Picture 8) Remove loose deposits with a vacuum cleaner.
- ▶ (Picture 9) Ready collection vessel and remove siphon ⑱.
- ▶ Clean and rinse siphon.
- ▶ Refit siphon ensuring correct alignment of seals ⑲.

Refitting

- ▶ Refit heat exchanger in reverse order and
 - fit new gasket ⑮ and refit service cover (4 Nm torque),
 - fill siphon via heat exchanger,
 - fit new ignition electrode ⑬ and new gasket ⑭,
 - fit new ionisation electrode ⑪ including connection cable and new gasket ⑫,
 - fit burner surface with recesses to the adjusting pins ⑩ and install it,
 - fit new burner gasket ⑥,
 - refit burner cover (4 Nm torque) and fit new gasket ④ to gas connection.

Check function of water pressure switch

- ▶ (Picture 10) Close supply and return ⑳.
- ▶ Reduce pressure in the appliance to 0.8 bar using inlet/outlet tap ㉑.
- ✓ The display shows the warning ^{W36}.
- ▶ Open supply and return.