

Parts List

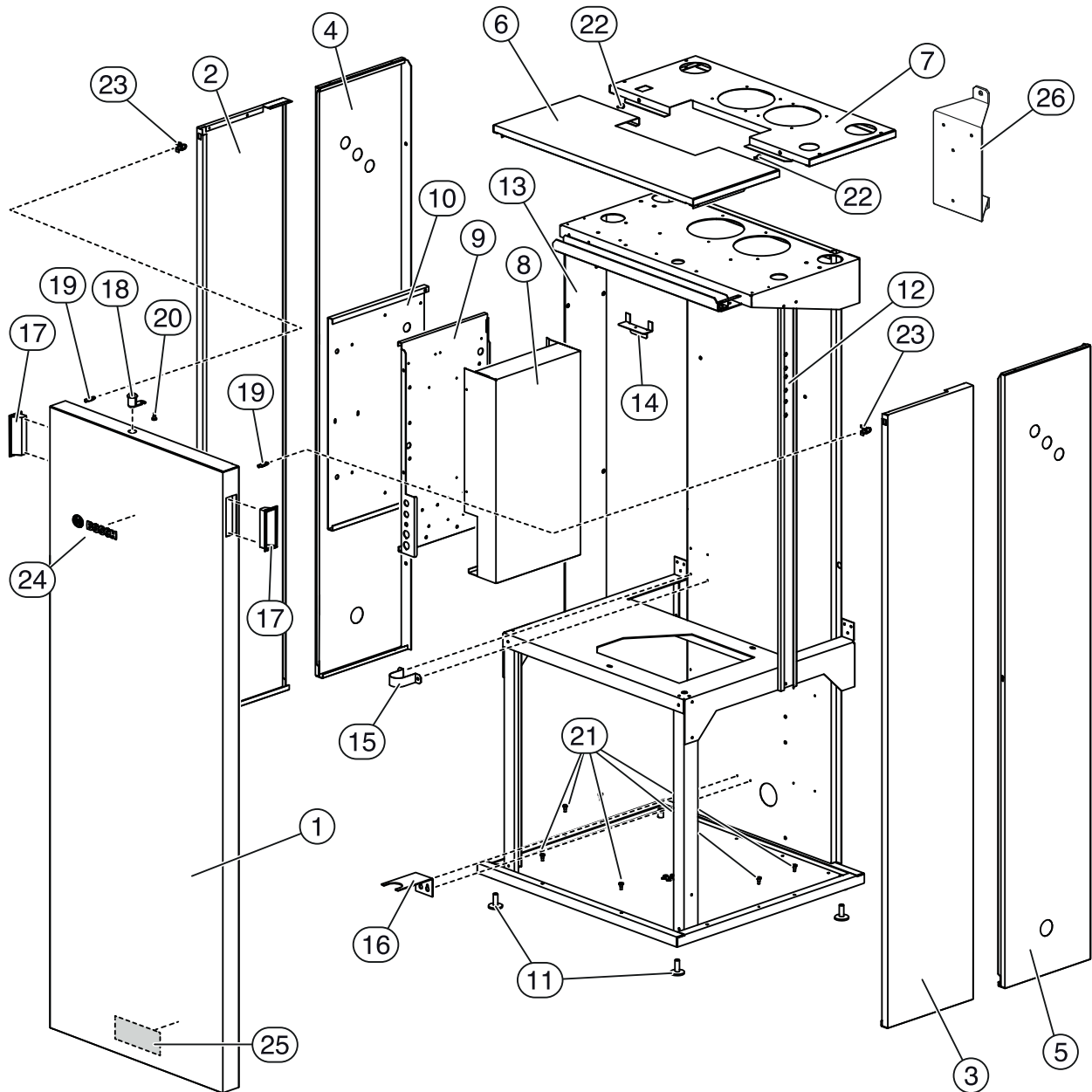
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Section 1



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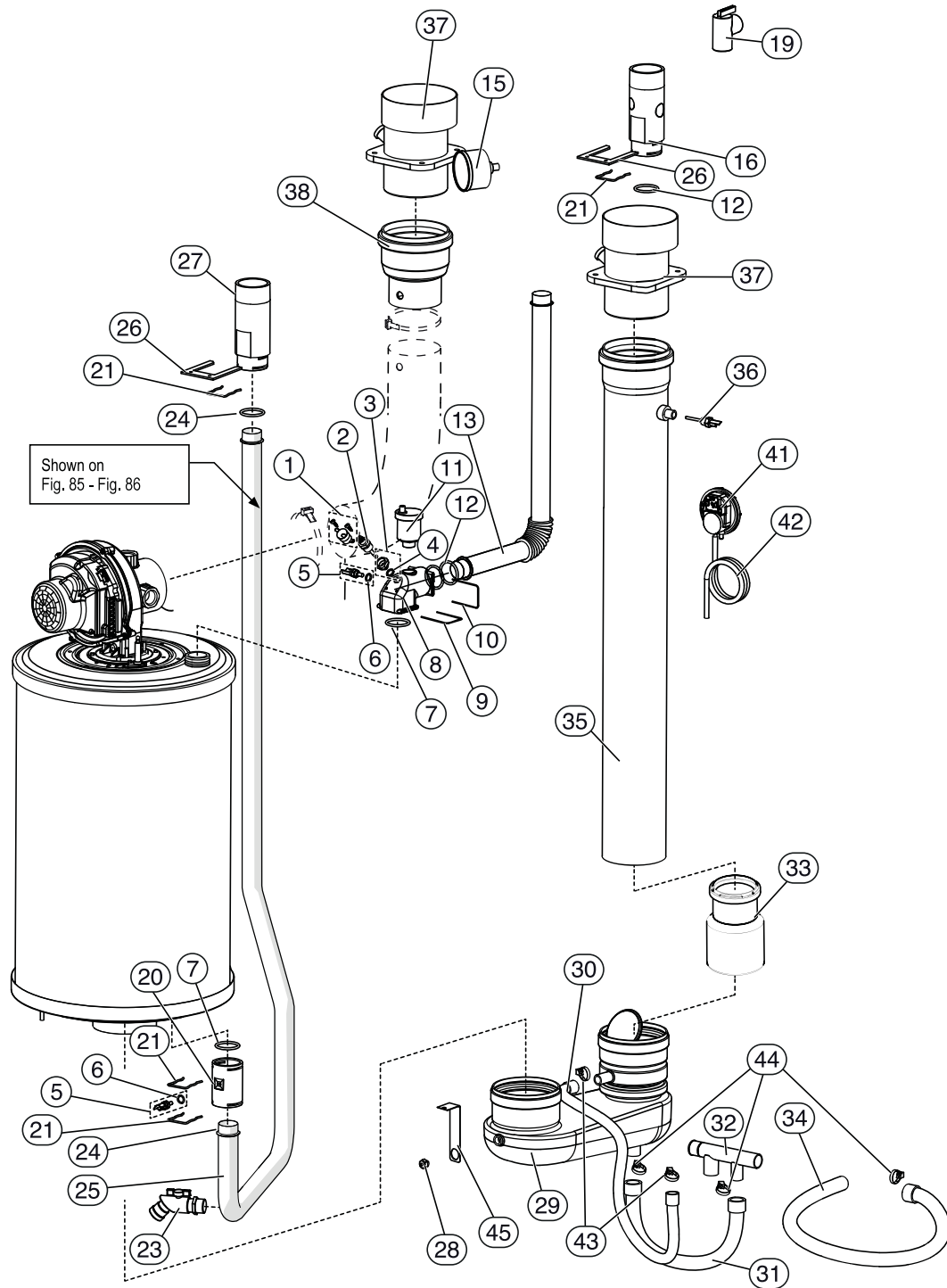
Position	Part Number	Description	SSB255	SSB399	SSB512	Recommended Stocking
1	7-738-004-899	Panel front	■	■	■	
2	7-738-004-900	Panel left side front	■	■	■	
3	7-738-004-901	Panel right side front	■	■	■	
4	7-738-004-902	Panel left side rear	■	■	■	
5	7-738-004-903	Panel right side rear	■	■	■	
6	7-738-004-904	Panel top front	■	■	■	
7	7-738-004-906	Panel top rear	■			
7	7-738-004-905	Panel top rear		■	■	
8	7-738-004-907	Cover control board	■	■	■	
9	7-738-004-908	Mounting bracket control board panel	■	■	■	
10	7-738-004-909	Panel control board	■	■	■	
11	7-738-004-910	Adjustable leveling leg	■	■	■	✓
12	7-738-004-911	Right frame			■	
12	7-738-004-912	Right frame		■		
12	7-738-004-913	Right frame	■			
13	7-738-004-914	Left frame			■	
13	7-738-004-915	Left frame		■		
13	7-738-004-916	Left frame	■			
14	7-738-004-917	Mounting bracket pressure differential switch	■	■	■	
15	7-738-004-918	Mounting bracket return pipe	■	■	■	
16	7-738-004-919	Mounting bracket condensate collector	■	■	■	
17	7-738-004-920	Handle Front Panel	■	■	■	
18	7-738-004-921	Lock and lever front panel	■	■	■	
19	7-738-004-944	Alignment pin front panel	■	■	■	
20	7-738-004-923	Lock pin panel top front	■	■	■	
21	7-738-004-924	Alignment pin front side panels	■	■	■	
22	7-738-004-925	Alignment pin top panels	■	■	■	
23	7-738-004-945	Receiver alignment pin front panel	■	■	■	
24	7-738-005-176	Logo Bosch Front door	■	■	■	
25	7-738-005-177	Logo Buderus SSB	■	■	■	
26	7-738-006-267	Bracket for external igniter	■	■	■	

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Section 2



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Position	Part Number	Description	SSB255	SSB399	SSB512	Recommended Stocking
1	7-738-004-926	High limit sensor and screws	■	■	■	✓
2	7-738-004-927	LWCO probe	■	■	■	✓
3	7-738-004-928	LWCO adapter and O-ring	■	■	■	✓
4	7-738-004-929	O-ring LWCO adapter	■	■	■	
5	7-738-004-930	Universal temperature detector and washer	■	■	■	✓
6	7-738-004-931	Washer temperature detector	■	■	■	
7	7-738-004-932	O-ring HX supply manifold and return adapter 1.42x0.14in 36,1x3,5mm EPDM	■	■	■	✓
8	7-738-004-933	Boiler Supply manifold	■	■	■	
9	7-738-004-934	U-clip boiler supply manifold hx side 2.12x1.65in 54x42mm AISI 302	■	■	■	
10	7-738-004-935	U-clip boiler supply manifold supply pipe side 2.12x1.5in 54x38mm AISI 302	■	■	■	
11	7-738-004-936	Automatic air vent ½" BSP	■	■	■	✓
12	7-738-004-937	O-ring 1.23x0.14in 31.3x3.5mm NBR	■	■	■	✓
13	7-738-004-938	Boiler supply pipe Ø1.25in Ø32mm	■	■	■	
15	7-738-004-940	T&P Gauge 0 - 105 psi	■	■		
15	7-738-004-941	T&P Gauge 0 - 260 psi			■	
16	7-738-004-942	System supply adapter 2" 50mm			■	
16	7-738-004-943	System supply adapter 1-1/2" 38mm	■	■		
19	7-738-004-946	Safety Relief Valve 30psi 2.07bar	■	■		
19	7-738-004-947	Safety Relief Valve 75psi 5.17bar			■	
20	7-738-004-948	HX return adapter	■	■	■	
21	7-738-004-949	U-clip hx return adapter 2.1x1.57in 53x40 AISI 302	■	■	■	
23	7-738-004-951	Boiler drain valve 3/4" NPT	■	■	■	
24	7-738-004-952	O-ring hx return adapter tube side 1.36x0.14in 34.5x3.5mm NBR	■	■	■	✓
25	7-738-004-953	Boiler Return pipe			■	
25	7-738-004-954	Boiler Return pipe		■		
25	7-738-004-955	Boiler Return pipe	■			
26	7-738-004-956	Frame support system supply return adapters	■			
27	7-738-004-957	System return adapter 2" 50mm			■	
27	7-738-004-958	System return adapter 1-1/2" 38mm	■	■		
28	7-738-004-959	Plug condensate collector	■	■	■	
29	7-738-004-960	PP Condensate Collector	■	■	■	✓
30	7-738-004-961	Flex condensate drain exhaust Ø0.55in Ø24mm PP	■	■	■	
31	7-738-004-962	Flex condensate drain collector Ø0.94in Ø24mm PP	■	■	■	
32	7-738-004-963	PP Condensate manifold 5.12x0.94in 130x24mm	■	■	■	
33	7-738-004-964	PP Vent Pipe Reducer 4-3in 110-80mm	■			
34	7-738-004-965	Flex condensate drain discharge Ø0.94in Ø24mm PP	■	■	■	

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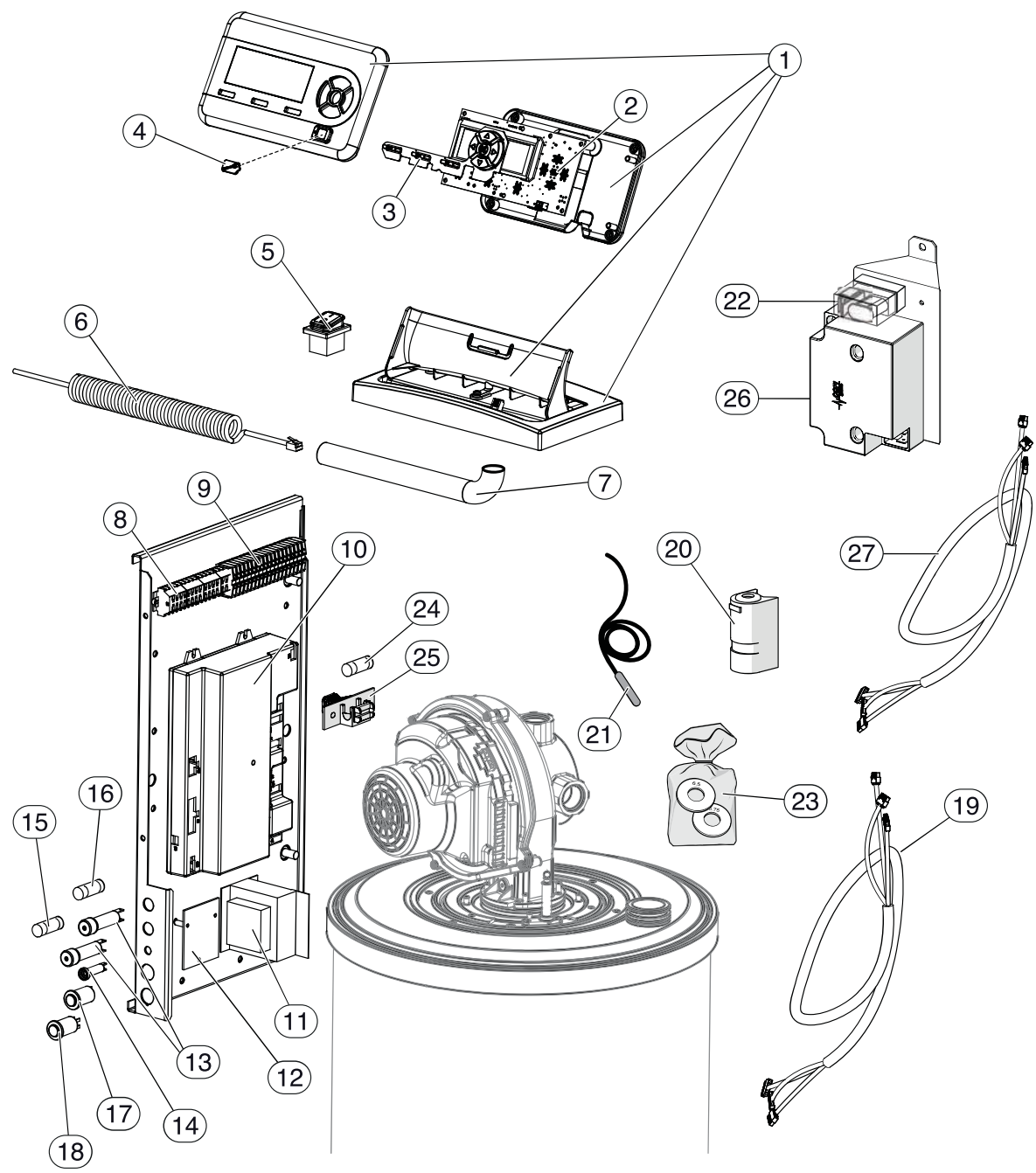
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Position	Part Number	Description	SSB255	SSB399	SSB512	Recommended Stocking
35	7-738-004-966	PP boiler combustion pipe 4in 110mm			■	
35	7-738-004-967	PP boiler combustion pipe 4in 110mm		■		
35	7-738-004-968	PP boiler combustion pipe 3in 80mm	■			
36	7-738-004-969	Flue gas temp sensor 3/4"	■	■	■	✓
37	7-738-004-970	PP PVC vent / air intake adapter 3in 80mm	■			
37	7-738-004-971	PP PVC vent / air intake adapter 4in 110mm		■	■	
38	7-738-004-972	PP Air Intake Reducer 4-3.5in 110-90mm		■	■	
38	7-738-004-973	PP Air Intake Reducer 3in 80mm	■			
41	7-738-004-974	Pressure differential switch	■	■	■	✓
42	7-738-004-975	Silicone hose for pressure differential switch	■	■	■	
43	7-738-004-976	Hose clamp 5/8" - 1" 16-27mm	■	■	■	
44	7-738-004-977	Hose clamp 1 - 1.5" 25-40mm	■	■	■	
45	7-738-006-460	Condensate collector bracket	■	■	■	

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Section 3



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Position	Part Number	Description	SSB255	SSB399	SSB512	Recommended Stocking
1	7-738-005-037	Enclosure user interface	■	■	■	
2	7-738-005-038	Circuit Board user interface	■	■	■	✓
3	7-738-005-039	Keypad	■	■	■	✓
4	7-738-005-040	Service plug cover	■	■	■	
5	7-738-005-041	On Off power switch	■	■	■	✓
6	7-738-005-042	Display cable	■	■	■	
7	7-738-005-043	Conduit for display cable	■	■	■	
8	7-738-005-044	Terminal block low voltage	■	■	■	
9	7-738-005-045	Terminal block line voltage	■	■	■	
10	7-738-005-046	Control Board	■	■	■	✓
10	7-738-006-268	Control Board (*)	■	■	■	✓
11	7-738-005-047	Transformer 24V 0.6 amps	■	■	■	✓
12	7-738-005-048	LWCO circuit board	■	■	■	✓
13	7-738-005-049	Fuse carrier	■	■	■	
14	7-738-005-050	Red LED light	■	■	■	
15	7-738-005-051	Fuse 6 A	■	■	■	✓
16	7-738-005-052	Fuse 1 A	■	■	■	✓
17	7-738-005-053	Test push button	■	■	■	
18	7-738-005-054	Manual Reset push button	■	■	■	
19	7-738-005-055	Wiring harness SSB	■			
19	7-738-005-056	Wiring harness SSB		■	■	
20	7-738-005-057	Outdoor Sensor 10K ohm	■	■	■	
21	7-738-005-058	Universal Sensor for LLH, or DHW 10K ohm	■	■	■	
22	7-738-006-269	Relay and screws	■	■	■	
23	7-738-005-061	LPG gas conversion kit	■			
23	7-738-005-062	LPG gas conversion kit		■		
23	7-738-005-063	LPG gas conversion kit			■	
24	7-738-005-059	Fuse 3.15 A	■	■	■	✓
25	7-738-005-060	Fuse holder	■	■	■	
26	7-738-006-270	External igniter and screws	■	■	■	
27	7-738-006-271	Wiring for external igniter	■	■	■	

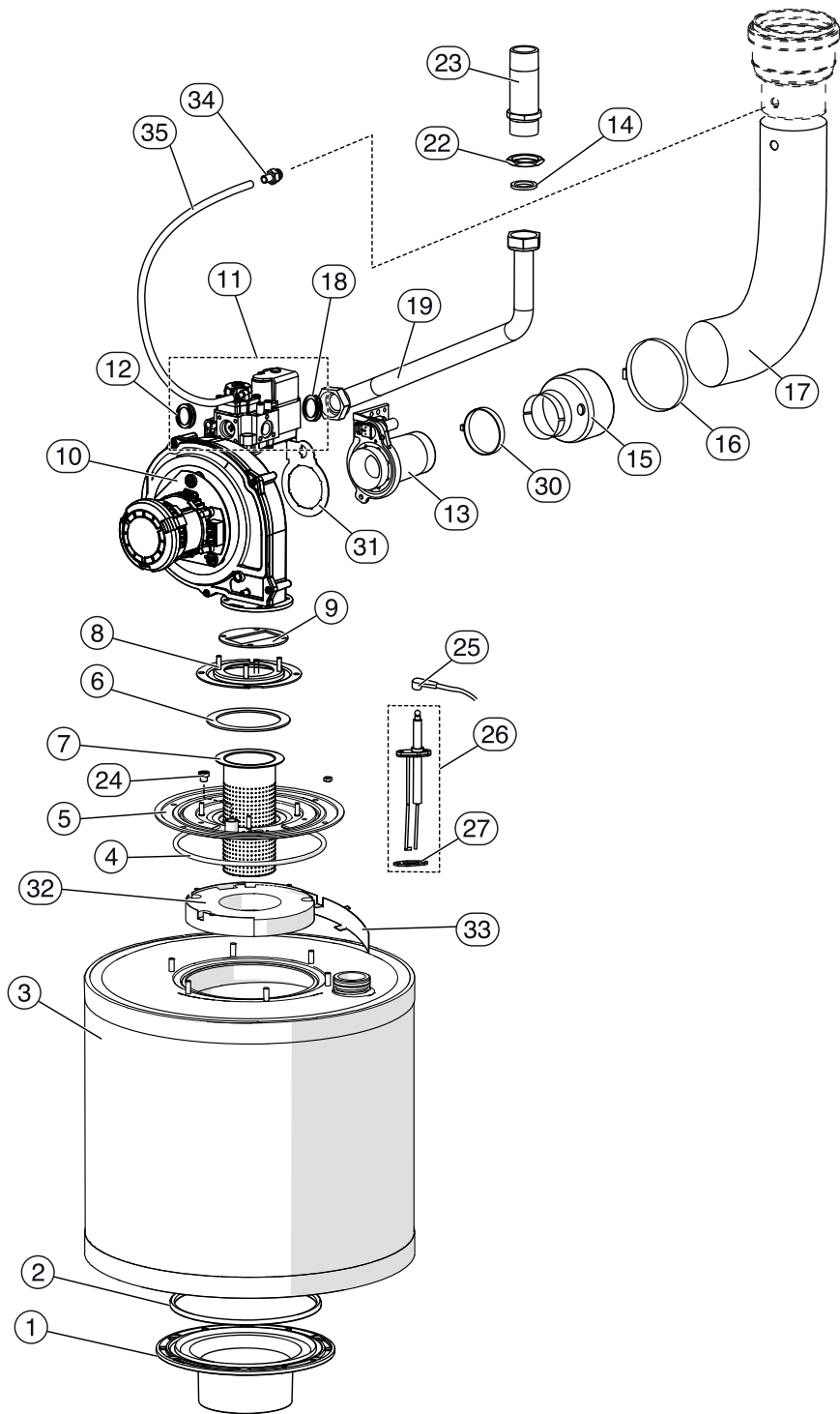
(*) For model SSB255 boilers with serial number higher than 3520-655-000018-7738004894

(*) For model SSB399 boilers with serial number higher than 3520-655-000018-7738004895

(*) For model SSB512 boilers with serial number higher than 3520-657-000036-7738004896

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Section 4



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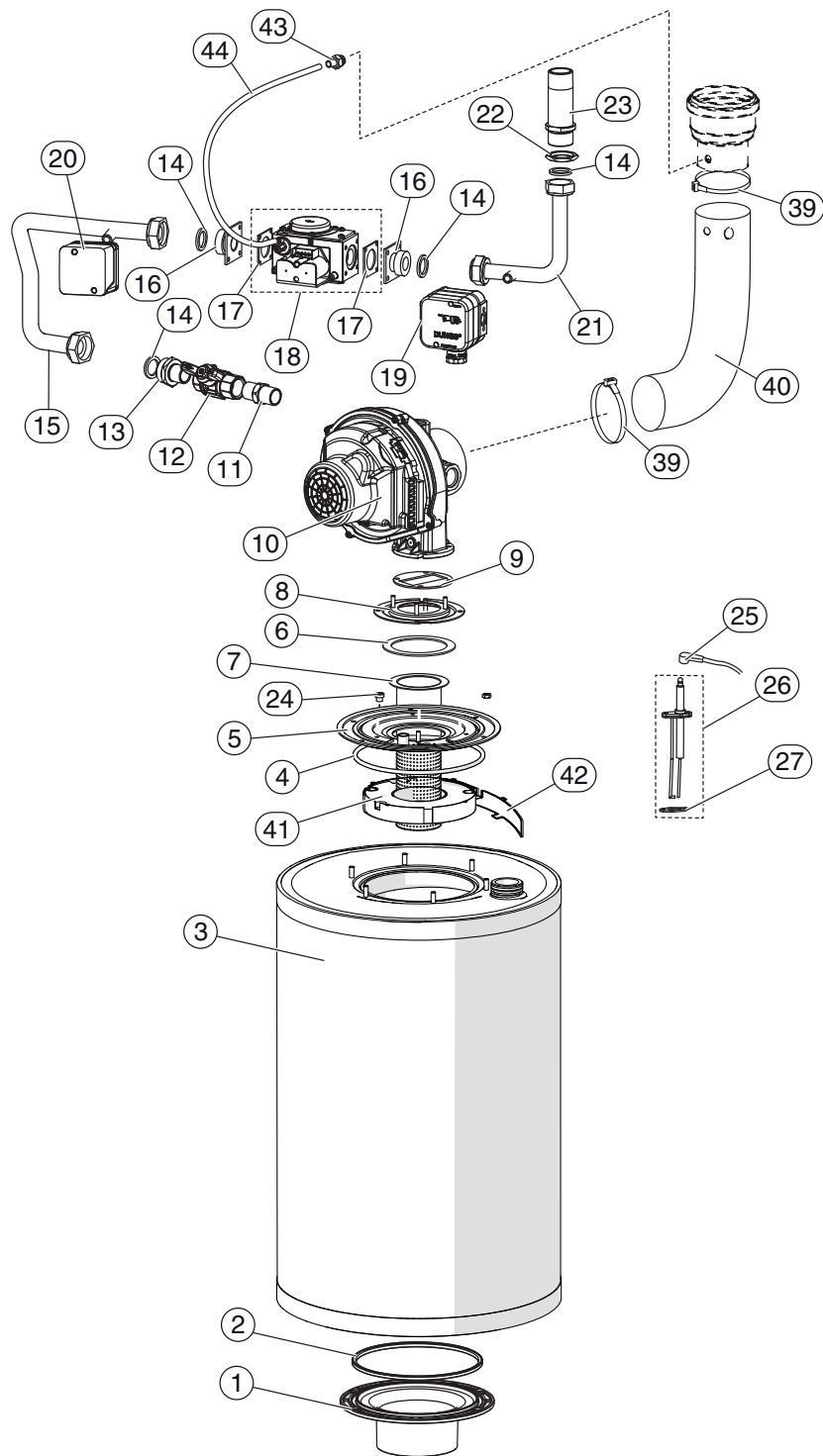
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Position	Part Number	Description	SSB255	Recommended Stocking
1	7-738-004-978	Flanged exhaust connector	■	
2	7-738-004-979	O-ring flanged exhaust connector 6.5x0.23in 165x6mm EPDM	■	
3	7-738-004-980	Heat Exchanger SSB255	■	
4	7-738-004-983	O-ring burner flange 6.60x0.20in 167.7x5.33mm NBR	■	
5	7-738-004-984	Burner Flange (outer ring)	■	
5	7-738-005-407	Burner Flange (outer ring)(*)	■	
6	7-738-004-985	Gasket premix burner tube	■	
7	7-738-004-986	Premix burner tube	■	✓
7	7-738-006-272	Premix burner tube mesh type (*)	■	✓
8	7-738-004-989	Burner Flange (inner ring)	■	
9	7-738-004-990	Gasket burner flange inner ring to fan	■	
10	7-738-005-007	Fan SSB-255	■	✓
11	7-738-005-009	Gas valve SSB-255 and washers	■	✓
12	7-738-005-011	Venturi tube / gas valve washer	■	✓
13	7-738-005-013	Venturi SSB-255	■	✓
14	7-738-005-014	Washer gas pipe 1" 25 mm	■	
15	7-738-005-017	Adapter air intake tube SSB 255	■	
15	7-738-006-273	Adapter air intake tube SSB 255 with hole (*)	■	
16	7-738-005-019	Clamp for flex pipe air intake	■	
17	7-738-005-021	Flexible pipe air intake SSB-255	■	
18	7-738-005-023	Washer gas pipe 3/4" 19.05mm	■	
19	7-738-005-025	Gas pipe SSB-255	■	
22	7-738-005-029	Frame support gas pipe	■	
23	7-738-005-030	Gas connection 1"	■	
24	7-738-005-031	Sight glass for combustion	■	✓
25	7-738-005-032	Ignition cable red	■	
25	7-738-006-274	Ignition cable red for external igniter (*)	■	
26	7-738-005-033	Ignition electrode with washer	■	✓
27	7-738-005-034	Gasket for ignition electrode	■	
30	7-738-005-015	Circular clamp 1-1/2" - 2-3/8" 40-60mm	■	
31	7-738-004-950	Gasket venturi tube /Fan	■	
32	7-738-005-175	Refractory disc	■	
32	7-738-005-408	Refractory disc (*)	■	
33	7-738-005-174	Refractory disk retainer	■	
34	7-738-005-270	Male adapter Ø 0.2 inch hose barb x M5 thread	■	
35	7-738-005-269	Balancing tube	■	

(*) For model SSB255 boilers with serial number higher than 3520-655-000018-7738004894

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Section 5



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Position	Part Number	Description	SSB399	SSB512	Recommended Stocking
1	7-738-004-978	Flanged exhaust connector	■	■	
2	7-738-004-979	O-ring flanged exhaust connector 6.5x0.23in 165x6mm EPDM	■	■	
3	7-738-004-981	Heat exchanger SSB-399	■		
3	7-738-004-982	Heat exchanger SSB-512		■	
4	7-738-004-983	O-ring burner flange 6.60x0.20in 167.7x5.33mm NBR	■	■	
5	7-738-004-984	Burner Flange (outer ring)	■	■	
5	7-738-005-407	Burner Flange (outer ring)	■ (****)	■ (***)	
6	7-738-004-985	Gasket premix burner tube	■	■	
7	7-738-004-987	Premix burner tube SSB-399	■		✓
7	7-738-006-275	Premix burner tube SSB-399 mesh type	■ (****)		✓
7	7-738-004-988	Premix burner tube SSB-512		■	✓
7	7-738-005-406	Premix burner tube SSB-512 mesh type		■ (***)	✓
8	7-738-004-989	Burner Flange (inner ring)	■	■	
9	7-738-004-990	Gasket burner flange inner ring to fan	■	■	
10	7-738-005-006	Fan SSB-399/512	■	■	✓
11	7-738-005-008	Nipple SSB-399/512	■	■	
12	7-738-005-010	Ball valve SSB-399/512	■	■	
13	7-738-005-012	Nipple SSB-399/512	■	■	
14	7-738-005-014	Washer gas pipe 1" 25mm	■	■	
15	7-738-005-016	Gas pipe outlet side of gas valve	■	■	
16	7-738-005-018	Gas valve adapter	■	■	
17	7-738-005-020	Gas valve washer SSB-399/512	■	■	
18	7-738-005-022	Gas valve SSB-399/512 and washers	■	■	✓
19	7-738-005-024	Gas Pressure Switch (low) SSB-512		■	✓
20	7-738-005-026	Gas Pressure Switch (high) SSB-512		■	✓
21	7-738-005-027	Gas pipe inlet side of gas valve		■	
21	7-738-005-028	Gas pipe inlet side of gas valve	■		
22	7-738-005-029	Frame support gas pipe	■	■	
23	7-738-005-030	Gas connection system side 1" 25mm	■	■	
24	7-738-005-031	Sight glass combustion	■	■	✓
25	7-738-005-032	Ignition cable red	■	■	
26	7-738-005-033	Ignition electrode with washer	■	■	✓
27	7-738-005-034	Gasket for ignition electrode	■	■	
39	7-738-005-035	Clamp for Flex pipe air intake SSB-399/512	■	■	
40	7-738-005-036	Flexible pipe air intake SSB-399/512	■	■	
40	7-738-006-276	Flexible pipe air intake SSB-399/512 with hole	■ (****)	■ (****)	
41	7-738-005-175	Refractory disc	■	■	
41	7-738-005-408	Refractory disc	■ (****)	■ (***)	
42	7-738-005-174	Refractory disk retainer	■	■	
43	7-738-005-270	Male adapter Ø 0.2 inch hose barb x M5 thread	■ (*)	■ (**)	
44	7-738-005-269	Balancing tube	■ (*)	■ (**)	

(*) For model SSB399 boilers with serial number higher than 3520-556-000019-7738004895

(**) For model SSB512 boilers with serial number higher than 3520-556-000008-7738004896

(***) For model SSB512 boilers with serial number higher than 3520-619-000010-7738004896

(****) For model SSB399 boilers with serial number higher than 3520-655-000018-7738004895

(****) For model SSB512 boilers with serial number higher than 3520-657-000036-7738004896



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- 1.2 No modification or waiver of any of the terms and conditions found www.boschthermotechnology.com and no additional or different terms or conditions shall be effective unless (i) modified by BTC's quotation or sales modified by BTC's quotation or sales acknowledgement, or (ii) agreed to in a single writing signed by both parties. No oral agreement, course of performance or other means other than such written agreement signed by both parties expressly providing for such waiver shall be deemed to waive the terms of this document.

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- 2.1 Unless a different limited written warranty is provided by BTC with the Goods, the terms and conditions of the warranty for the Goods shall be subject to the following limited written warranty. BTC warrants all Goods manufactured by it to be free from defects in material and workmanship for one year from the following:
 - 2.1.1 The date of installation if a warranty card has been received by BTC that sets forth the correct date of installation;
 - 2.1.2 The date of purchase if the date can be established by an invoice; or
 - 2.1.3 The date of manufacture if the information required in 2.1.1 or 2.1.2 is not available.

Buyer's sole and exclusive remedy under this warranty shall be limited to either the repair or exchange of warranted products, at BTC's option FCA BTC's factory. No attempt to repair or improve the Goods or parts by any of BTC's representatives shall change or extend this warranty.

2.2 Limitations on Warranty

THE FOREGOING WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

The above warranty does not apply to specialty items or modifications to Goods, which as detailed in section 12.2 of Terms and Conditions of Sale found on www.boschthermotechnology.com, are purchased "AS IS".