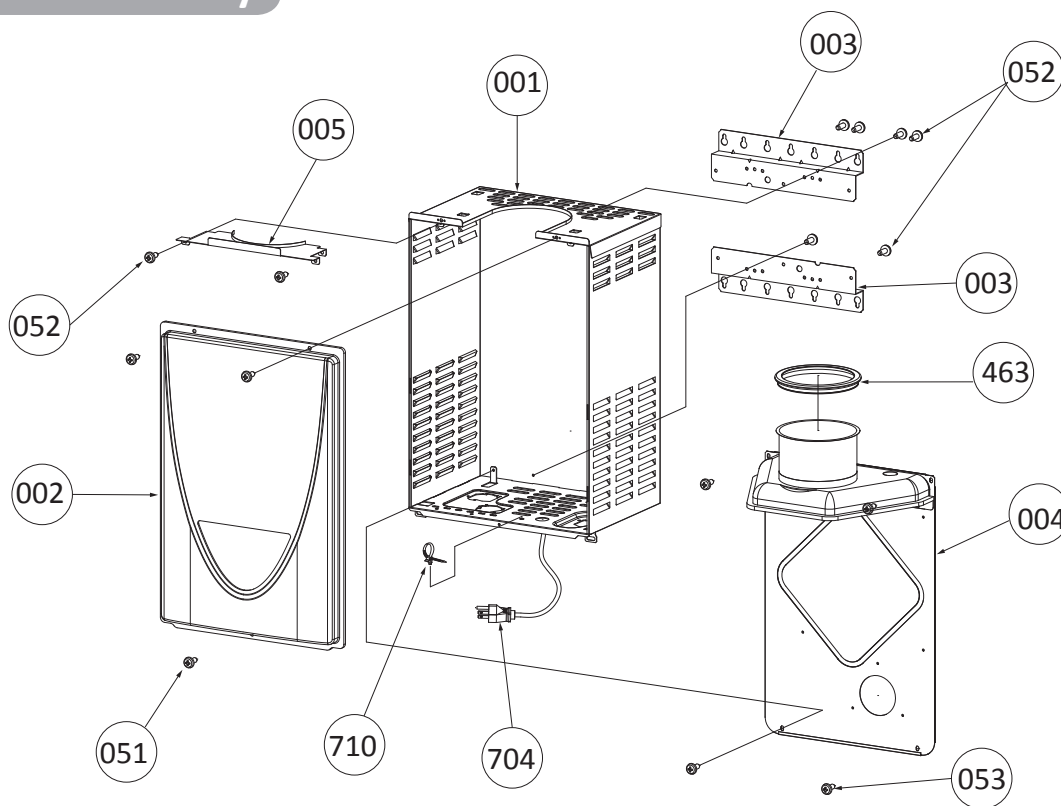
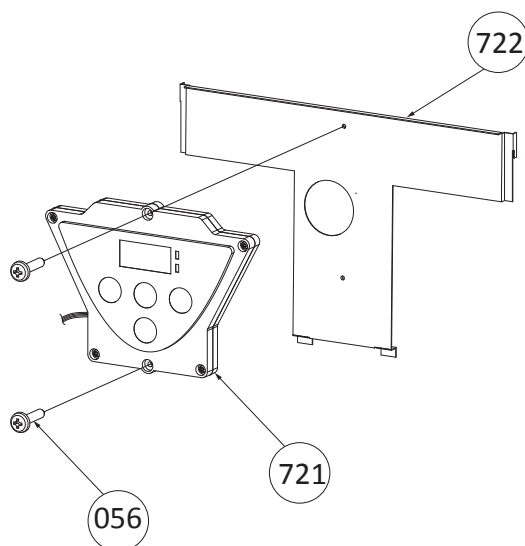


COMPONENTS DIAGRAM

Case assembly

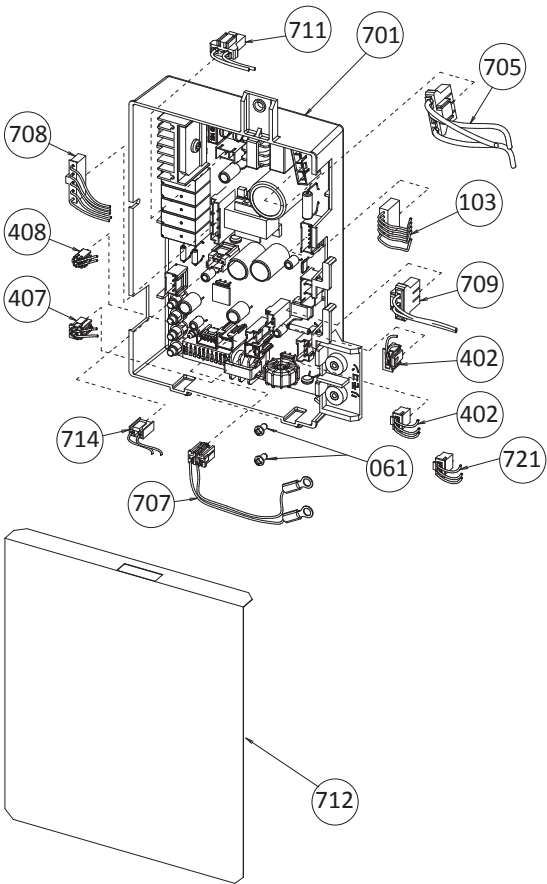


Built-in temperature controller

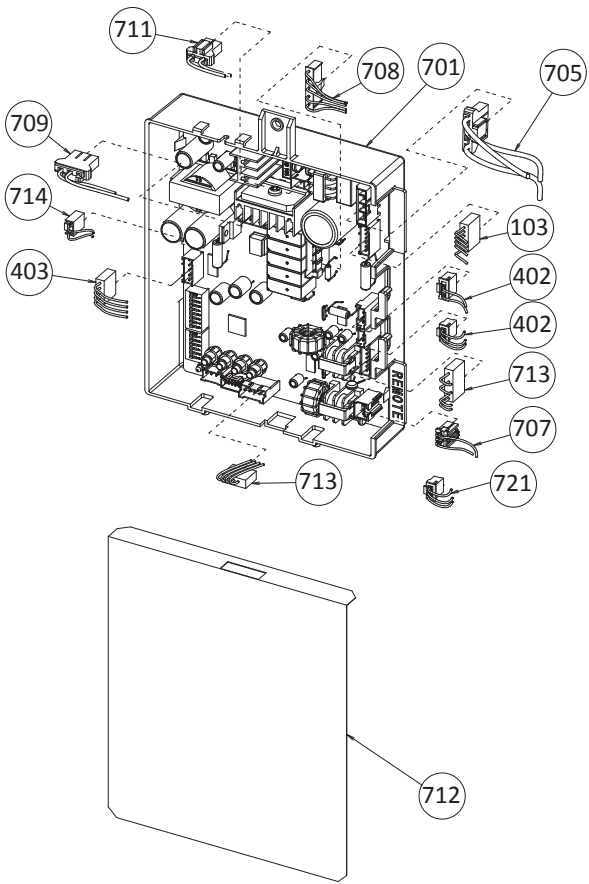


Computer board assembly

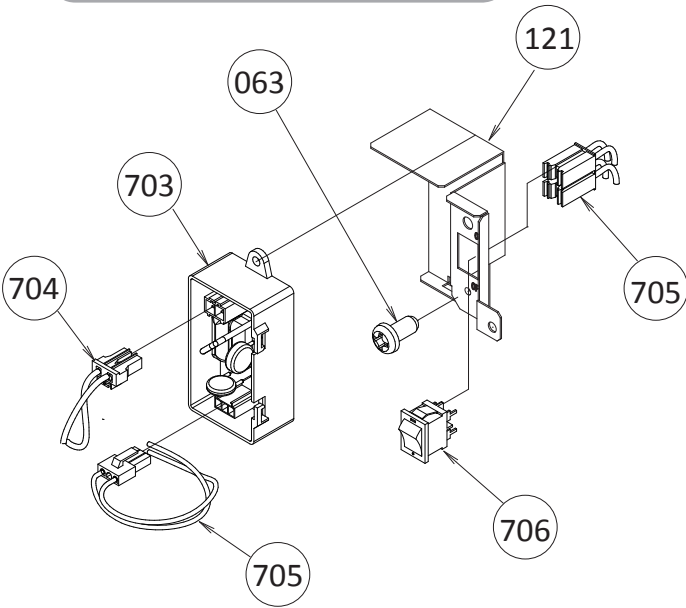
110C and 310C models



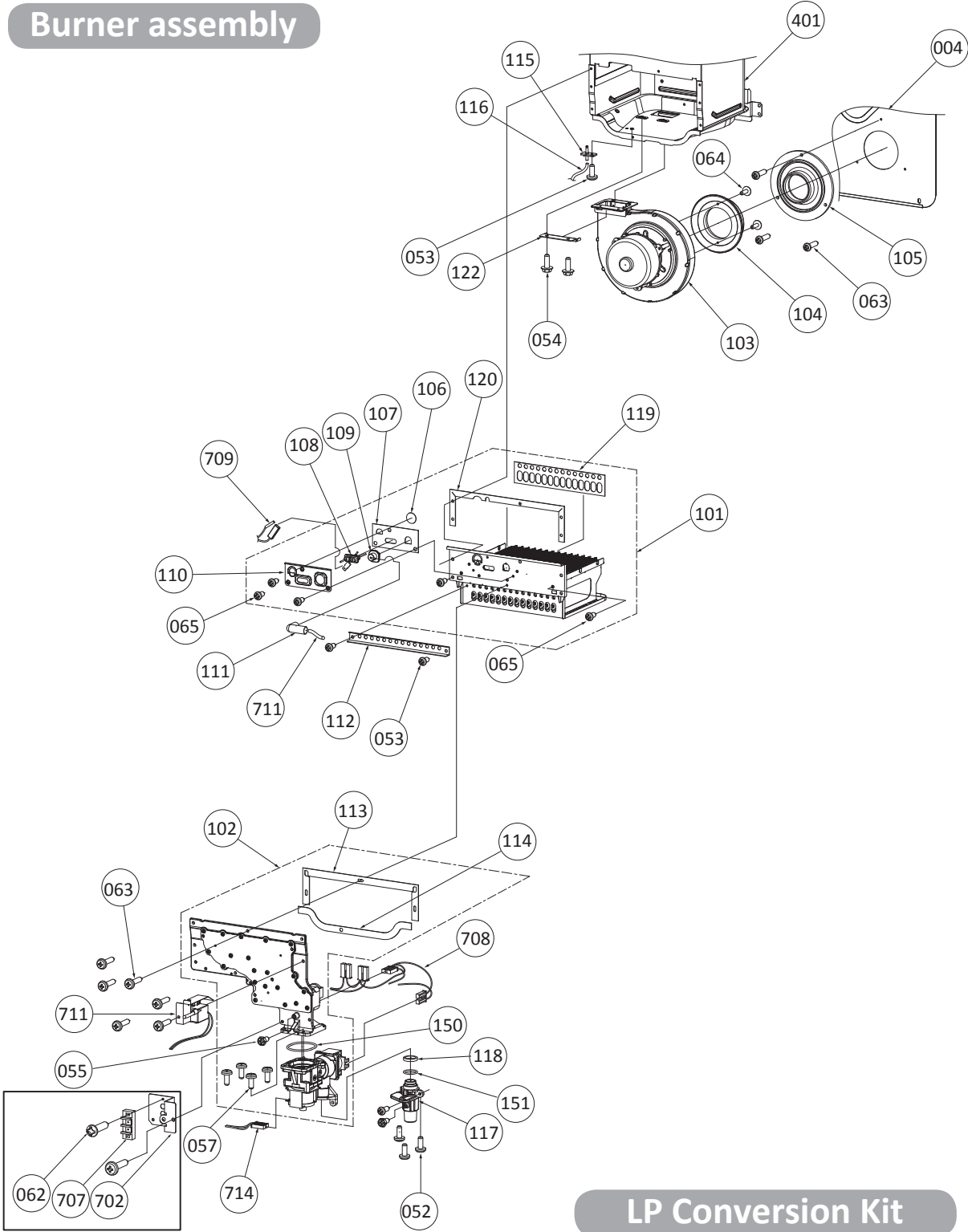
510C model



Surge box assembly

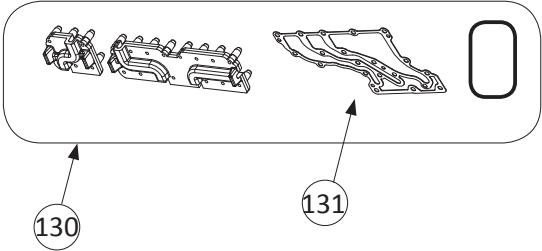


Burner assembly



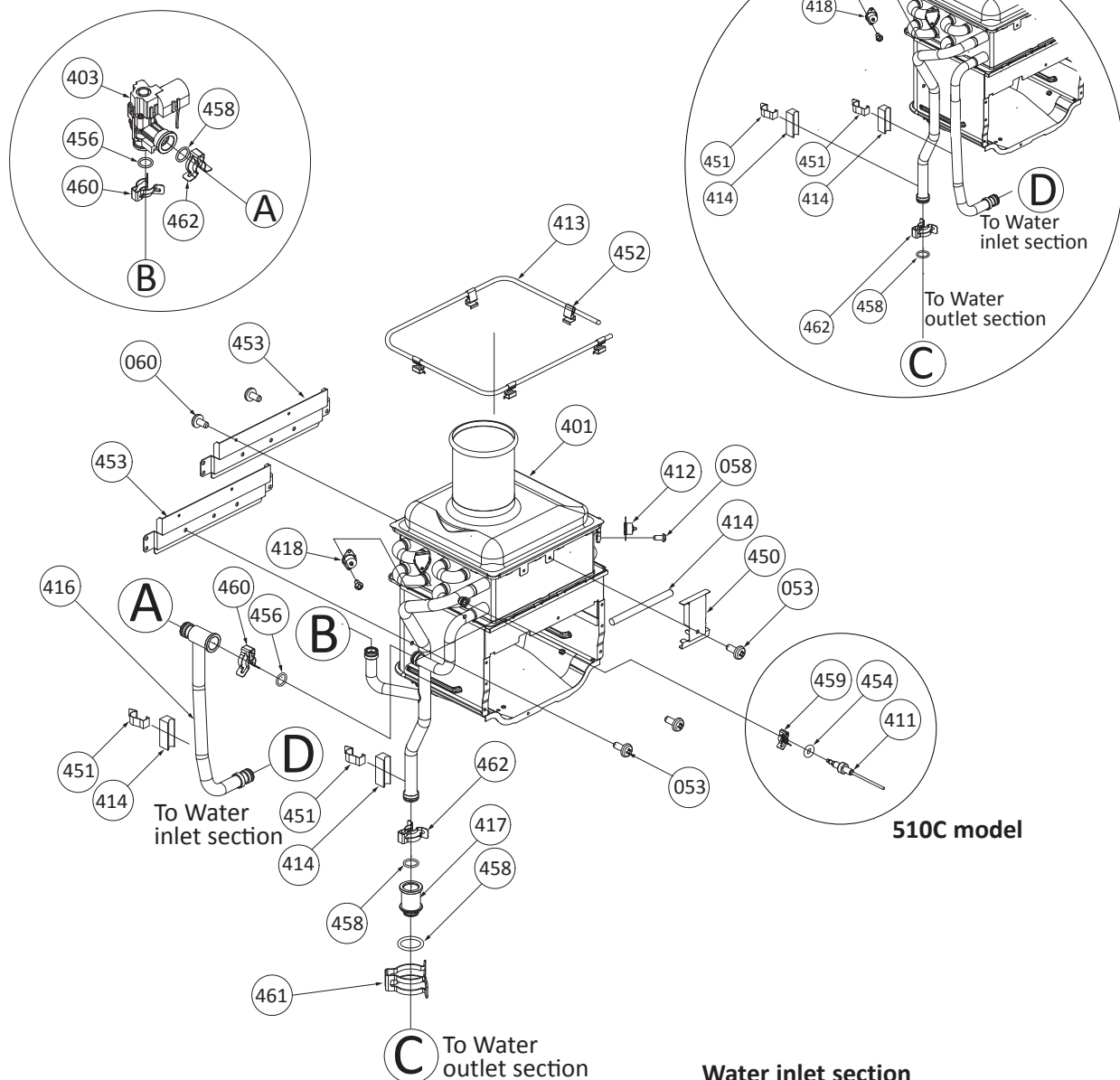
510C model

LP Conversion Kit

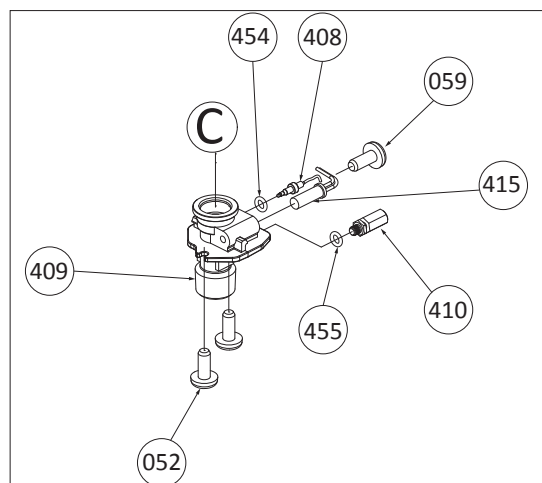


Water Way assembly

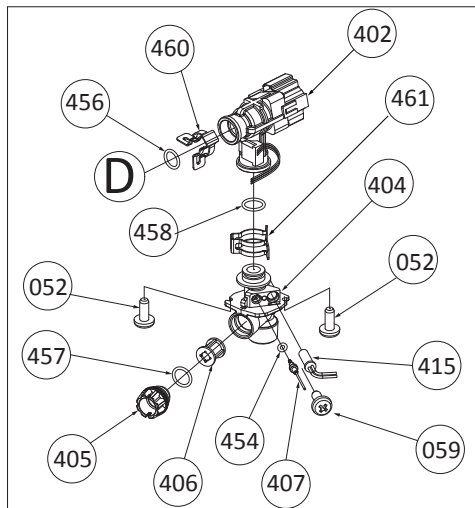
Bypass section (510C model)



Water outlet section



Water inlet section



PARTS LIST

Item #	Description	Part #	
		110C, 310C and 510C models	AT-KJr3U-CV, AT-K5U-CV and AT-D3U-CV models
001	Case assembly	N/A	EK550
002	Front cover	N/A	EK551
003	Bracket	N/A	EK455
004	Duct unit	N/A	EK552
005	Duct unit cover	N/A	EK553
051	Screw M4×12 (W/Washer)	319143-025	EW000
052	Screw M4×10 (Coated)	319143-026	EW002
053	Screw M4x10	319143-060	EW003
054	Hex head screw M4×12 (W/Washer)	319143-326	EW004
055	Hex head screw M4x8	319143-063	EW005
056	Pan Screw M4x20	N/A	EW018
057	Tap tight screw M4x12 FEZN	319143-201	EKK31
058	Screw M3x6	319143-087	EW00A
059	Screw M4x6	319143-328	EW009
060	Screw M4x8 SUS3	N/A	EW02A
061	Screw M3x6	319143-439	EW016
062	Screw M3x12	319143-331	EW00X
063	Screw M4x14	N/A	EW00E
064	Screw M3x10	N/A	EW02C
065	Pan Screw M4x8	319143-059	EW00D
101	Burner and mixing chamber assembly	319143-555	EK554
102	Manifold with gas valve assembly NA	319143-556	EK555
103	Fan motor assembly	319143-557	EK556
104	Fan motor gasket	319143-558	EK557
105	Fan motor plate	319143-559	EK558
106	Burner window	N/A	EKN58
107	Rod holder gasket	319143-560	EK559
108	Flame rod with AFR function	319143-561	EK560
109	Igniter rod	319143-562	EK561
110	Rod holder	319143-563	EK562
111	Rod cap	320273-358	EK462
112	Burner damper	319143-564	EK563
113	Manifold gasket A	319143-565	EK564
114	Manifold gasket B	319143-566	EK565
115	Pressure port	319143-042	EKK2D
116	Combustion chamber tube	319143-344	EX019
117	Gas inlet	319143-567	EK566
118	Gas inlet ring	319143-049	EKK2Z
119	Burner gasket	319143-568	EK567
120	Burner holder gasket	319143-569	EK568
121	Surge box plate	319143-176	EK436
122	Fan motor plate	N/A	EK569
130	LP Conversion Kit	319143-580	EK591
131	Manifold Gasket	319143-581	EK592
150	O-ring (Manifold)	N/A	EK570
151	O-ring P20 NBR (Black)	319143-057	EK042
401	Heat exchanger assembly for 110C, 310C for 510C	319143-570 319143-571	EK571 EK572
402	Flow adjustment valve / Flow sensor	319143-463	EK129
403	Bypass valve for 510C model	319143-464	EKD58
404	Water inlet	319143-193	EKK1U
405	Inlet drain plug	319143-197	EKK2B

Item #	Description	Part #	
		110C, 310C and 510C models	AT-KJr3U-CV, AT-K5U-CV and AT-D3U-CV models
406	Inlet water filter	319143-198	EKK2C
407	Inlet thermistor for 110C and 310C models	319143-214	EKK4J
	Inlet thermistor for 510C model	319143-572	EK573
408	Outlet thermistor for 110C and 310C models	319143-218	EKK55
	Outlet thermistor for 510C model	319143-573	EK574
409	Water outlet	319143-466	EK104
410	Outlet drain plug	319143-079	EK239
411	Heat exchanger thermistor for 510C model	319143-574	EK575
412	Hi-Limit switch for 110C and 310C models	319143-228	EM212
	Hi-Limit switch for 510C model	319143-095	EKN34
413	Overheat-cut-off fuse	319143-067	EX02A
414	Pipe heater	319143-531	EK209
415	Inlet heater	319143-468	EK105
416	Pipe inlet for 510C model	319143-575	EK576
417	Joint outlet for 510C model	319143-576	EK577
418	Thermo switch	N/A	EK589
450	Pipe heater fixing plate	N/A	EK578
451	Heater fixing plate 16	319143-125	EK031
452	Fuse fixing plate 18	N/A	EK476
453	Combustion chamber fixing plate	N/A	EK579
454	O-ring P4 FKM	319143-082	EZF04
455	O-ring P6 FKM	319143-080	EZF06
456	O-ring P14 FKM	319143-100	EZF14
457	O-ring P15 FKM	319143-091	EZF15
458	O-ring P16 FKM	319143-083	EZF16
459	Fastener "4-11" for 510C model	319143-097	EKH30
460	Fastener "14-22"	319143-105	EKK24
461	Fastener "16A"	319143-226	EM192
462	Fastener "16-25A"	319143-205	EKK39
463	Silicon ring	N/A	EK580
701	Computer board for 110C model	319143-577	EK581
	for 310C model	319143-578	EK582
	for 510C model	319143-579	EK583
702	Remote fixing plate for 510C	319143-484	EK152
703	Surge box	320273-128	EK280
704	120 VAC wire	319143-427	EK146
705	Switch wire	N/A	EK584
706	120 VAC Power ON-OFF switch	N/A	EK590
707	Remote controller wire for 110C and 310C models	319143-490	EK189
	for 510C model	319143-491	EK165
708	Gas valve wire	N/A	EK585
709	Flame rod wire	N/A	EK586
710	Cable strap	319143-425	EW022
711	Igniter assembly	319143-479	EK153
712	Computer board cover	319143-274	EM329
713	24V cables for 510C model	N/A	EK587
714	Proportional gas valve wire	319143-481	EK112
721	Temperature controller	319143-502	EK173
722	Controller fixing plate	N/A	EK588
N/A *	Communication cable	320273-585	EKK0J

*Refer to p. 9.