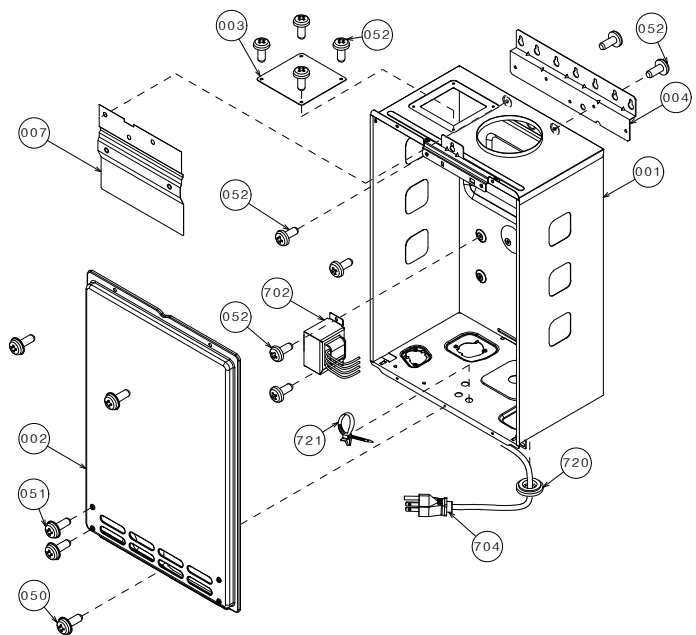




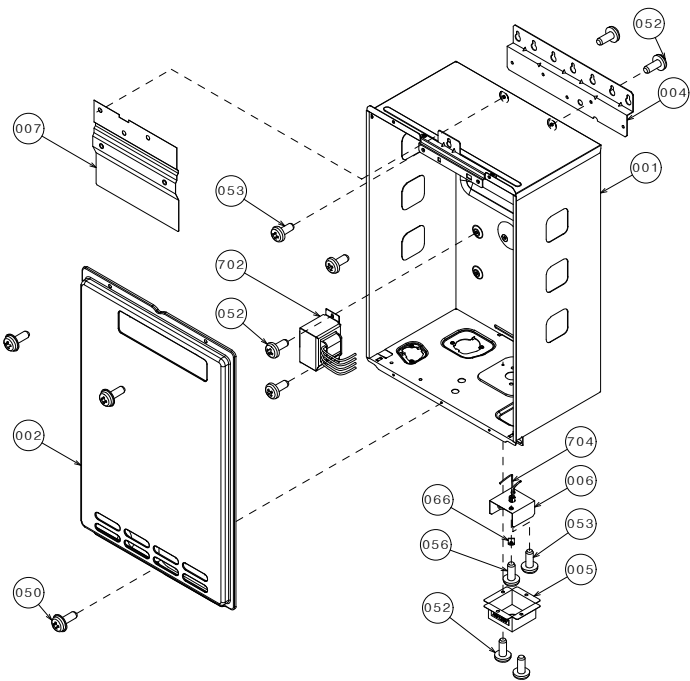
# E. Components Diagram / Parts List

## Case assembly

### 510 Indoor (T-D2-IN)

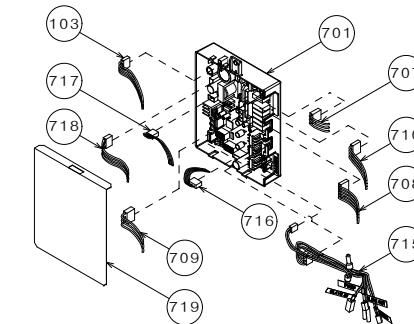


### 510 Outdoor (T-D2-OS)

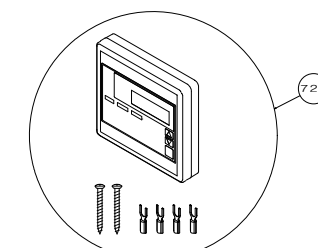


Item#	Part#		Description
	510 models	T-D2 models	
001	319143-151	EK402	Case assembly for 510 Indoor (T-D2-IN)
	319143-211	EKK41	Case assembly for 510 Outdoor (T-D2-OS)
002	319143-174	EK434	Front cover for 510 Indoor (T-D2-IN)
	319143-175	EK435	Front cover for 510 Outdoor (T-D2-OS)
003	319143-150	EK401	Air blockage plate (Only 510 Indoor and T-D2-IN)
004	319143-184	EKJ09	Bracket
005	319143-014	EKJ64	Junction box
006	319143-128	EKJ66	Junction box inner plate
007	319143-221	EKK5H	Back guard panel
050	319143-025	EW000	Screw M4x12 (W/Washer)
051	319143-325	EW001	Screw M4x10 (W/Washer)
052	319143-026	EW002	Screw M4x10 (Coated)
053	319143-060	EW003	Screw M4x10
054	319143-326	EW004	Hex head screw M4x12 (W/Washer)
055	319143-063	EW005	Hex head screw M4x8
056	319143-372	EX014	Screw M4x10
057	319143-330	EW00B	Screw M3x6 SUS3
058	319143-327	EW008	Screw M3x10
059	319143-061	EW00H	Pan screw M4x12 (W/Washer)
060	319143-332	EW024	Pan screw M4x10 FEZN
061	319143-201	EKK31	Tap tight screw M4x12 FEZN
062	319143-062	EW006	Pan screw M4x10
063	319143-087	EW00A	Screw M3x6
064	319143-328	EW009	Screw M4x6
065	319143-059	EW00D	Pan screw M4x8
066	319143-143	EC00X	Nylon clamp
067	319143-048	EM167	Wire clamp 60

## Computer board assembly



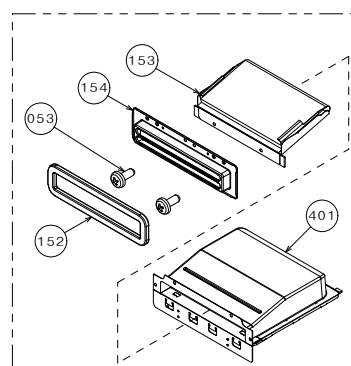
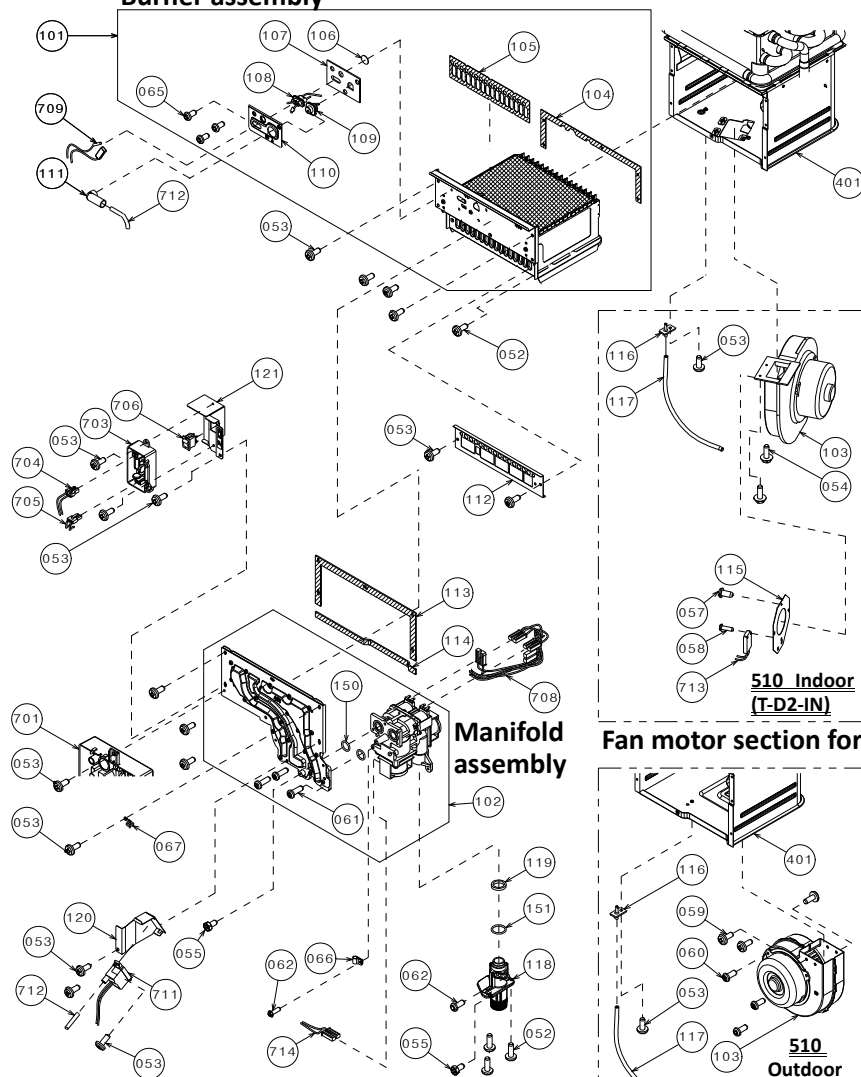
## Temperature remote controller



Item#	Part#		Description
	510 models	T-D2 models	
701	319143-179	EK439	Computer board
702	319143-182	EKH09	Transformer
703	319143-168	EK428	Surge box
704	319143-427	EK146	AC120V wire for Indoor models
	319143-138	EKK3C	AC120V wire for Outdoor models
705	319143-180	EK440	Transformer wire
706	319143-141	EKK4V	AC120V Power ON-OFF switch
707	319143-181	EK441	Switch wire
708	319143-188	EKK10	Gas valve wire
709	319143-189	EKK11	Flame rod wire
710	319143-187	EKK0Z	EH-IG wire for 510 Indoor (T-D2-IN)
	319143-210	EKK40	EH-IG wire with freeze protection thermostat for 510 Outdoor (T-D2-OS)
711	319143-052	EKN74	Igniter
712	319143-039	EKK2M	High voltage igniter wire
713	319143-185	EKJ59	Freeze protection thermostat (Only 510 Indoor and T-D2-IN)
714	319143-133	EKK12	Proportional gas valve wire
715	319143-204	EKK36	Pump and multi cable
716	319143-195	EKK1Z	Thermistors wire
717	319143-203	EKK35	RS-VG wire
718	319143-202	EKK33	Water valves wire
719	319143-191	EKK1M	Computer board cover
720	319143-426	EK148	Rubber grommet for Indoor models
721	319143-425	EW022	Cable strap for Indoor models
722	319143-000	ER015	Temperature remote controller

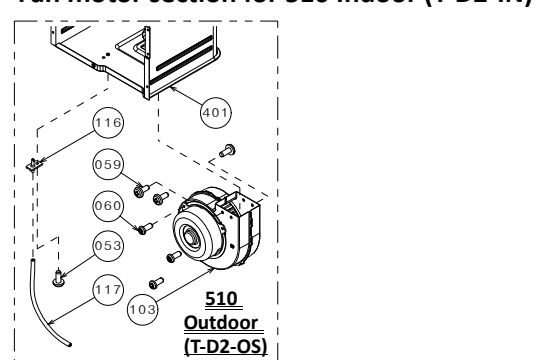
## Burner assembly

### Burner assembly



### Exhaust section for 510 Outdoor (T-D2-OS)

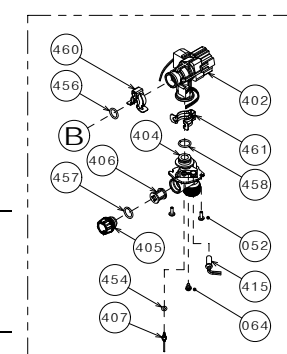
### Fan motor section for 510 Indoor (T-D2-IN)



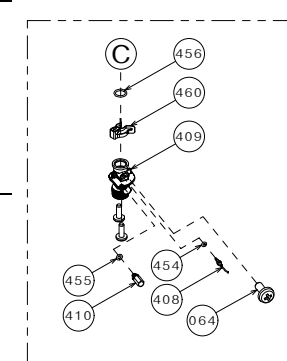
### Fan motor section for 510 Outdoor (T-D2-OS)

Item#	Part#		Description
	510 models	T-D2 models	
101	319143-030	EKH5W	Burner assembly
102	319143-046	EKH6T	Manifold assembly with gas valve assembly LP
	319143-368	EKK5K	Manifold assembly with gas valve assembly NA
103	319143-043	EKK25	Fan motor for 510 Indoor (T-D2-IN)
	319143-217	EKK54	Fan motor for 510 Outdoor (T-D2-OS)
104	319143-032	EKK0G	Burner holder gasket
105	319143-031	EKK2X	Burner gasket
106	319143-033	EKK2V	Burner window
107	319143-034	EKK2W	Rod holder gasket
108	319143-035	EKK0E	Flame rod
109	319143-037	EKK0F	Igniter rod
110	319143-036	EKK32	Rod holder
111	319143-038	EKN61	Rod cap
112	319143-156	EK412	Burner damper
113	319143-044	EKK2Y	Manifold gasket A
114	319143-045	EKK2K	Manifold gasket B
115	319143-367	TU001	Fan damper (Only 510 Indoor and T-D2-IN)
116	319143-042	EKK2D	Pressure port
117	319143-041	EKK2N	Combustion chamber tube for 510 Indoor (T-D2-IN)
	319143-344	EX019	Combustion chamber tube for 510 Outdoor (T-D2-OS)
118	319143-050	EKK1E	Gas inlet
119	319143-049	EKK2Z	Gas inlet ring
120	319143-051	EKK1B	Igniter plate
121	319143-176	EK436	Surge box plate
150	319143-350	EZP18	O-ring P18 NBR (Black)
151	319143-057	EK042	O-ring P20 NBR (Black)
152	319143-206	EKK3G	Silicon ring (Only 510 Outdoor and T-D2-OS)
153	319143-216	EKK53	Rain protection plate in Exhaust chamber (Only 510 Outdoor and T-D2-OS)
154	319143-219	EKK56	Exhaust port (Only 510 Outdoor and T-D2-OS)

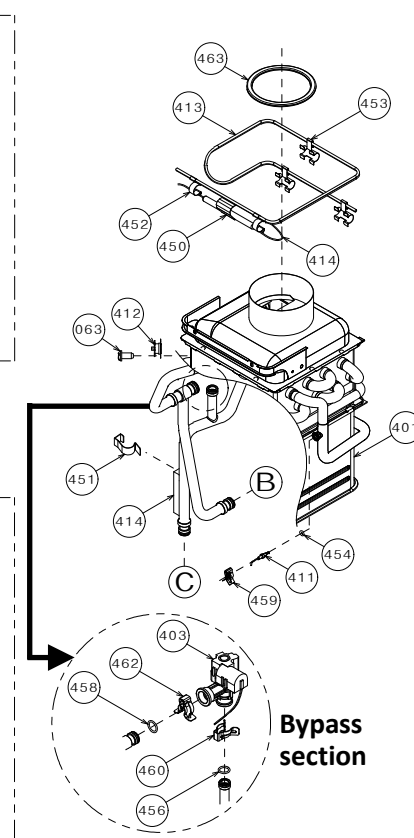
## Water way assembly



### Water inlet section



### Water outlet section



### Bypass section

Item#	Part#		Description
	510 models	T-D2 models	
401	319143-369	TU002	Heat exchanger assembly for 510 Indoor (T-D2-IN)
	319143-177	EK437	Heat exchanger assembly for 510 Outdoor (T-D2-OS)
402	319143-178	EK438	Flow adjustment valve/Flow sensor
403	319143-186	EKK0U	Bypass valve
404	319143-193	EKK1U	Water inlet
405	319143-197	EKK2B	Inlet drain plug
406	319143-198	EKK2C	Inlet water filter
407	319143-085	EKK38	Inlet thermistor
408	319143-190	EKK1A	Mixing thermistor
409	319143-194	EKK1V	Water outlet
410	319143-199	EKK2E	Outlet drain plug
411	319143-096	EKK2T	Output thermistor
412	319143-095	EKN34	Hi-Limit switch
413	319143-149	EK333	Overheat cut-off-fuse
414	319143-200	EKK2R	Heater
415	319143-078	EKK2P	Inlet heater
450	319143-088	EKK27	Pipe heater fixing plate
451	319143-125	EK031	Heater fixing plate 16
452	319143-066	EKK26	Fuse fixing plate 18
453	319143-146	EK029	Fuse fixing plate 14
454	319143-082	EZM04	O-ring P4 FKM
455	319143-080	EZM06	O-ring P6 FKM
456	319143-100	EZM14	O-ring P14 FKM
457	319143-091	EZM15	O-ring P15 FKM
458	319143-083	EZM16	O-ring P16 FKM
459	319143-097	EKH30	Fastener "4-11"
460	319143-105	EKK24	Fastener "14-22"
461	319143-226	EM192	