



COMMERCIAL GAS REPLACEMENT PARTS LIST



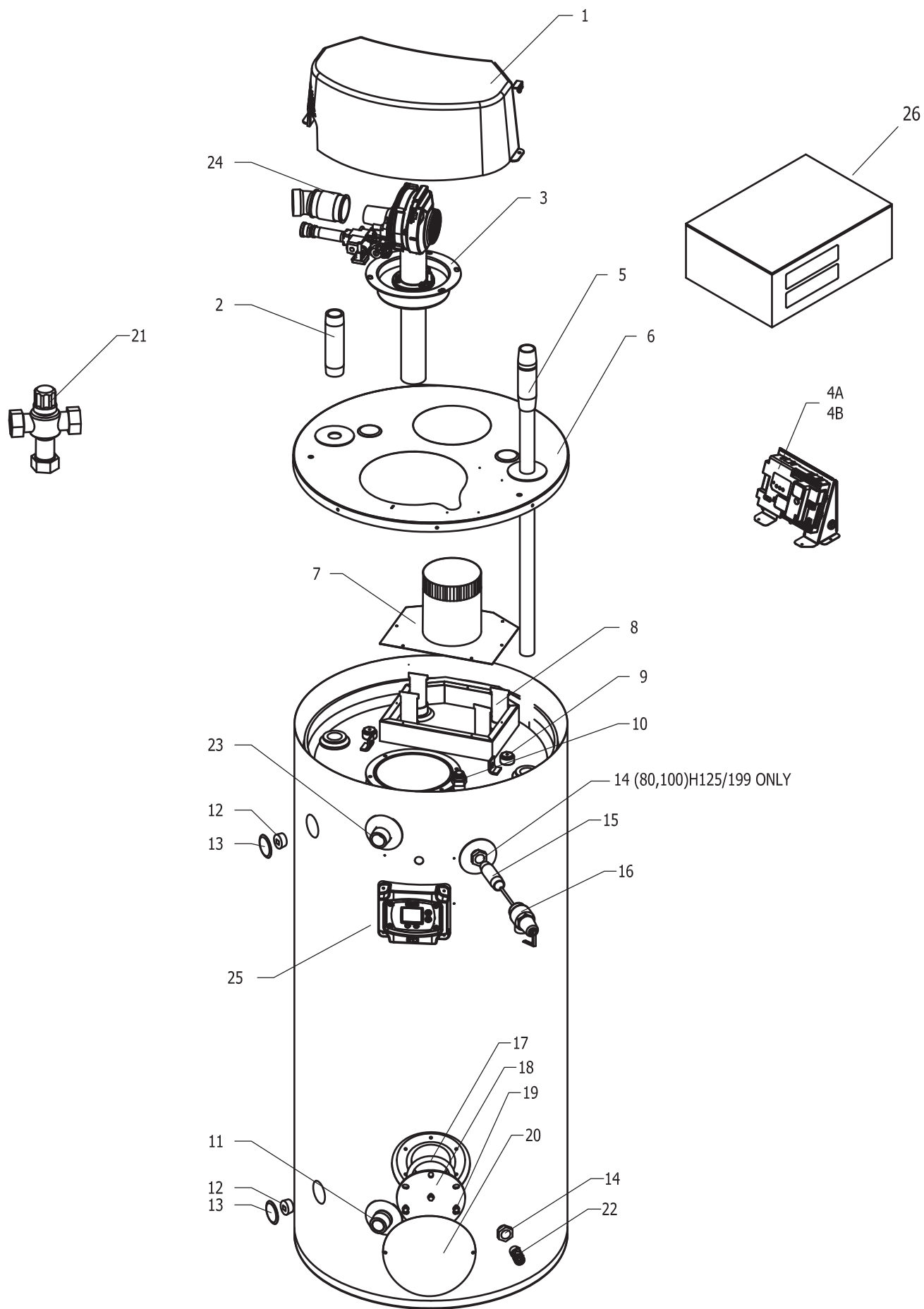
Models Covered:
UCG100H(199,270,399)3(N,X)
UCG80H(125,199,270,399)3(N,X)
Serial Numbers XF*** and After**

Includes Hydrojet®
Total Performance System

Effective: June, 2021
ECO 8430

**NOTE: BOTH MODEL AND SERIAL
NUMBERS ARE REQUIRED FOR
ORDERING REPLACEMENT PARTS**

Dimensions and specifications
subject to change without notice.



Item	Description	Model UCG80H1253N	Model UCG80H1253X	Model UCG80H1993N	Model UCG80H1993X	Model UCG80H2703N	Model UCG80H2703X
1	Surround with Latches	239-50510-00	239-50510-00	239-50510-00	239-50510-00	239-50510-00	239-50510-00
2	Nipple Hot Water Outlet Plastisert (Top Connection)	229-40913-01	229-40913-01	229-40913-01	229-40913-01	229-40913-01	229-40913-01
3	Combustion System Assembly	243-54264-05	243-54264-06	243-54264-07	243-54264-08	243-54264-09	243-54264-10
4A	Control Panel Assembly 5,000 RPM Ignition*	243-54252-00	243-54252-00	243-54252-00	243-54252-00	243-54252-00	243-54252-00
5	Inlet Tube Hydrojet (Top Connection)	229-46709-01	229-46709-01	229-46709-01	229-46709-01	229-46709-01	229-46709-01
6	Jacket Head	239-51297-01	239-51297-01	239-51297-01	239-51297-01	239-51297-01	239-51297-01
7	Exhaust Collector Cover/Vent Connection	239-54208-03	239-54208-03	239-54208-01	239-54208-01	239-54208-01	239-54208-01
8	Baffle 2" Flue (4 or 6 req'd)	239-54132-00	239-54132-00	239-54136-00	239-54136-00	239-54136-00	239-54136-00
9	Anode (Magnesium) (up to 3 req'd)	224-47782-05	224-47782-05	224-47782-05	224-47782-05	224-47782-05	224-47782-05
	Anode (Aluminum) (up to 3 req'd)	224-38508-04	224-38508-04	224-38508-04	224-38508-04	224-38508-04	224-38508-04
	Anode (Aluminum A420) (up to 3 req'd)#	224-49559-04	224-49559-04	224-49559-04	224-49559-04	224-49559-04	224-49559-04
10	Well Sensor	233-46558-03	233-46558-03	233-46558-03	233-46558-03	233-46558-03	233-46558-03
11	Inlet Tube Hydrojet (Front Connection)	229-44375-00	229-44375-00	229-44375-00	229-44375-00	229-44375-00	229-44375-00
12	Plug (2 Req'd)	239-02048-00	239-02048-00	239-02048-00	239-02048-00	239-02048-00	239-02048-00
13	Hole Closure (4 req'd)	239-31547-02	239-31547-02	239-31547-02	239-31547-02	239-31547-02	239-31547-02
14	1" to 3/4" Bushing 2 req'd (Except 1 req'd for 270kBTUH models)	239-02052-00	239-02052-00	239-02052-00	239-02052-00	239-02052-00	239-02052-00
15	T&P Nipple	229-32762-02	229-32762-02	229-32762-02	229-32762-02	239-50053-02	239-50053-02
16	T&P Valve	230-30246-00	230-30246-00	230-30246-00	230-30246-00	230-33630-04	230-33630-04
17	Cleanout Gasket	205-18427-00	205-18427-00	205-18427-00	205-18427-00	205-18427-00	205-18427-00
18	Cleanout Cover	205-18428-00	205-18428-00	205-18428-00	205-18428-00	205-18428-00	205-18428-00
19	Screw 5/16 - 18 x 1/2 (6 req'd)	239-82166-00	239-82166-00	239-82166-00	239-82166-00	239-82166-00	239-82166-00
20	Clean Out Cover Access	243-20299-00	243-20299-00	243-20299-00	243-20299-00	243-20299-00	243-20299-00
21	Mixing Device (Optional)	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00
22	Drain Valve Brass (No Handle)	265-42351-02	265-42351-02	265-42351-02	265-42351-02	265-42351-02	265-42351-02
23	Nipple Hot Water Outlet Plastisert (Front Connection)	229-40913-07	229-40913-07	229-40913-07	229-40913-07	229-40913-07	229-40913-07
24	Intake Vent Terminal	239-50597-00	239-50597-00	239-50597-00	239-50597-00	239-50597-00	239-50597-00
25	Display Mount Assembly*	243-51213-00	243-51213-00	243-51213-00	243-51213-00	243-51213-00	243-51213-00
26	BMS Gateway Kit (Optional)	415-53943-00	415-53943-00	415-53943-00	415-53943-00	415-53943-00	415-53943-00

A420 anode may need to be cut to length.

* Ordering a complete assembly may increase delivery time. Please order the specific component required for the quickest delivery.

Item	Description	Model UCG100H1993N	Model UCG100H1993X	Model UCG100H2703N	Model UCG100H2703X
1	Surround with Latches	239-50510-00	239-50510-00	239-50510-00	239-50510-00
2	Nipple Hot Water Outlet Plastisert (Top Connection)	229-40913-01	229-40913-01	229-40913-01	229-40913-01
3	Combustion System Assembly	243-54264-01	243-54264-02	243-54264-03	243-54264-04
4A	Control Panel Assembly 5,000 RPM Ignition*	243-54252-00	243-54252-00	243-54252-00	243-54252-00
5	Inlet Tube Hydrojet (Top Connection)	229-46709-02	229-46709-02	229-46709-02	229-46709-02
6	Jacket Head	239-51297-01	239-51297-01	239-51297-01	239-51297-01
7	Exhaust Collector Cover	239-54208-01	239-54208-01	239-50530-01	239-50530-01
8	Baffle 2" Flue (4 req'd)	239-50512-03	239-50512-03	239-54131-00	239-54131-00
9	Anode (Magnesium) (up to 3 req'd)	224-47782-07	224-47782-07	224-47782-07	224-47782-07
	Anode (Aluminum) (up to 3 req'd)	224-38508-10	224-38508-10	224-38508-10	224-38508-10
	Anode (Aluminum A420) (up to 3 req'd)#	224-49559-04	224-49559-04	224-49559-04	224-49559-04
10	Well Sensor	233-46558-03	233-46558-03	233-46558-03	233-46558-03
11	Inlet Tube Hydrojet (Front Connection)	229-44375-00	229-44375-00	229-44375-00	229-44375-00
12	Plug (2 Req'd)	239-02048-00	239-02048-00	239-02048-00	239-02048-00
13	Hole Closure (4 req'd)	239-31547-02	239-31547-02	239-31547-02	239-31547-02
14	1" to 3/4" Bushing 2 req'd (Except 1 req'd for 270kBTUH models)	239-02052-00	239-02052-00	239-02052-00	239-02052-00
15	T&P Nipple	229-32762-02	229-32762-02	239-50053-02	239-50053-02
16	T&P Valve	230-30246-00	230-30246-00	230-33630-04	230-33630-04
17	Cleanout Gasket	205-18427-00	205-18427-00	205-18427-00	205-18427-00
18	Cleanout Cover	205-18428-00	205-18428-00	205-18428-00	205-18428-00
19	Screw 5/16 - 18 x 1/2 (6 req'd)	239-82166-00	239-82166-00	239-82166-00	239-82166-00
20	Clean Out Cover Access	243-20299-00	243-20299-00	243-20299-00	243-20299-00
21	Mixing Device (Optional)	239-51778-00	239-51778-00	239-51778-00	239-51778-00
22	Drain Valve Brass (No Handle)	265-42351-02	265-42351-02	265-42351-02	265-42351-02
23	Nipple Hot Water Outlet Plastisert (Front Connection)	229-40913-07	229-40913-07	229-40913-07	229-40913-07
24	Intake Vent Terminal	239-50597-00	239-50597-00	239-50597-00	239-50597-00
25	Display Mount Assembly*	243-51213-00	243-51213-00	243-51213-00	243-51213-00
26	BMS Gateway Kit (Optional)	415-53943-00	415-53943-00	415-53943-00	415-53943-00

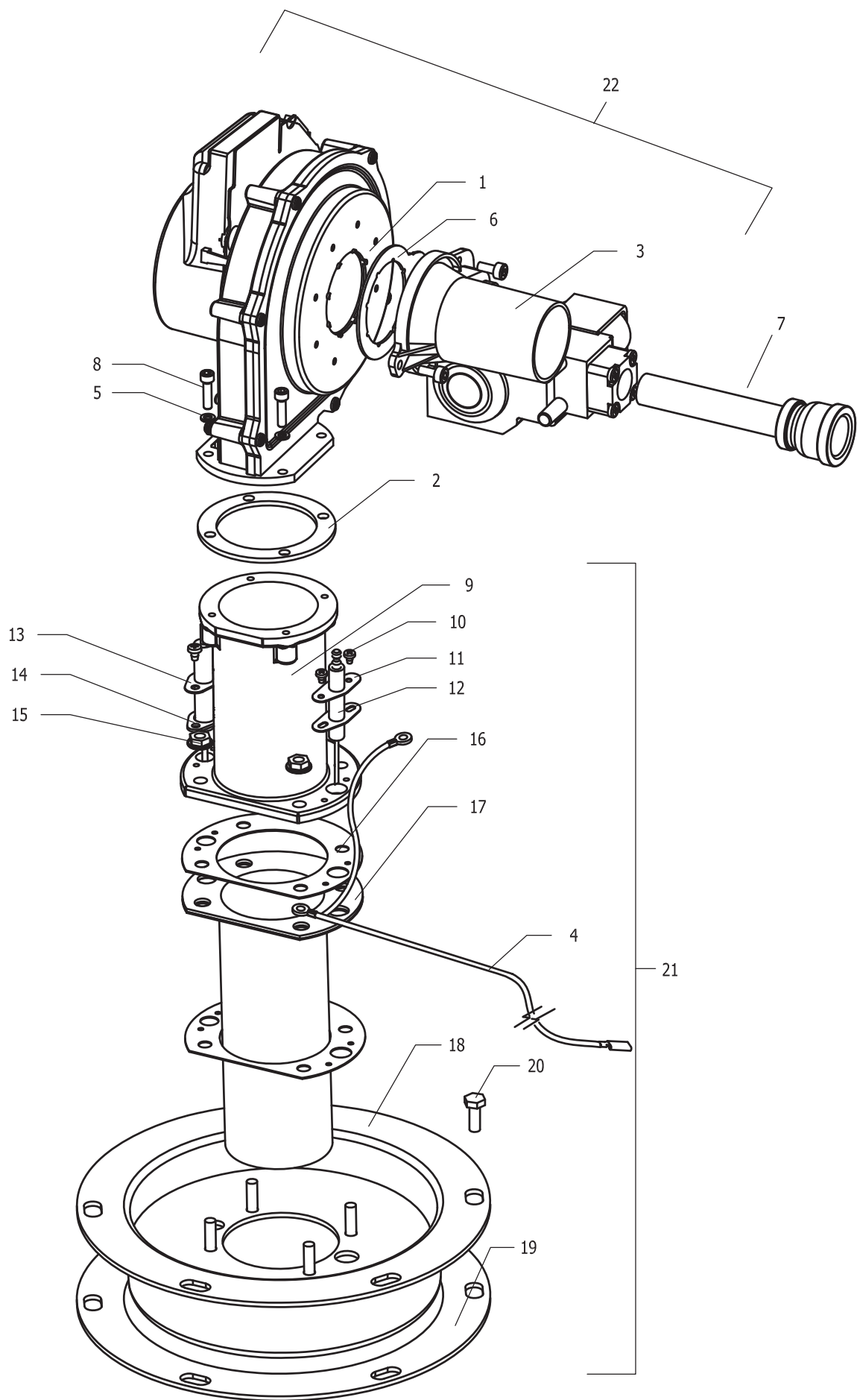
A420 anode may need to be cut to length.

* Ordering a complete assembly may increase delivery time. Please order the specific component required for the quickest delivery.

Item	Description	Model UCG80H3993N	Model UCG80H3993X	Model UCG100H3993N	Model UCG100H3993X
1	Surround with Latches	239-50510-00	239-50510-00	239-50510-00	239-50510-00
2	Nipple Hot Water Outlet Plastisert (Top Connection)	229-40913-01	229-40913-01	229-40913-01	229-40913-01
3	Combustion System Assembly	243-54265-03	243-54265-04	243-54265-01	243-54265-02
4B	Control Panel Assembly 3,000 RPM Ignition*	243-54233-00	243-54233-00	243-54233-00	243-54233-00
5	Inlet Tube Hydrojet (Top Connection)	229-46709-01	229-46709-01	229-46709-02	229-46709-02
6	Jacket Head	239-51297-01	239-51297-01	239-51297-01	239-51297-01
7	Exhaust Collector Cover	239-54208-02	239-54208-02	239-54208-02	239-54208-02
8	Baffle 2" Flue (6 req'd)	239-50949-03	239-50949-03	239-50512-05	239-50512-05
9	Anode (Magnesium) (up to 3 req'd)	224-47782-05	224-47782-05	224-47782-07	224-47782-07
	Anode (Aluminum) (up to 3 req'd)	224-38508-04	224-38508-04	224-38508-10	224-38508-10
	Anode (Aluminum A420) (up to 3 req'd)#	224-49559-04	224-49559-04	224-49559-04	224-49559-04
10	Well Sensor	233-46558-03	233-46558-03	233-46558-03	233-46558-03
11	Inlet Tube Hydrojet (Front Connection)	229-44375-00	229-44375-00	229-44375-00	229-44375-00
12	Plug (2 Req'd)	239-02048-00	239-02048-00	239-02048-00	239-02048-00
13	Hole Closure (4 req'd)	239-31547-02	239-31547-02	239-31547-02	239-31547-02
14	1" to 3/4" Bushing	239-02052-00	239-02052-00	239-02052-00	239-02052-00
15	T&P Nipple	229-50053-02	229-50053-02	229-50053-02	229-50053-02
16	T&P Valve	230-33630-04	230-33630-04	230-33630-04	230-33630-04
17	Cleanout Gasket	205-18427-00	205-18427-00	205-18427-00	205-18427-00
18	Cleanout Cover	205-18428-00	205-18428-00	205-18428-00	205-18428-00
19	Screw 5/16 - 18 x 1/2 (6 req'd)	239-82166-00	239-82166-00	239-82166-00	239-82166-00
20	Clean Out Cover Access	243-20299-00	243-20299-00	243-20299-00	243-20299-00
21	Mixing Device (Optional)	239-51778-00	239-51778-00	239-51778-00	239-51778-00
22	Drain Valve Brass (No Handle)	265-42351-02	265-42351-02	265-42351-02	265-42351-02
23	Nipple Hot Water Outlet Plastisert (Front Connection)	229-40913-07	229-40913-07	229-40913-07	229-40913-07
24	Vent Terminal	239-51226-00	239-51226-00	239-51226-00	239-51226-00
25	Display Mount Assembly*	243-51213-00	243-51213-00	243-51213-00	243-51213-01
26	BMS Gateway Kit (Optional)	415-53943-00	415-53943-00	415-53943-00	415-53943-00

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Item	Description	Model UCG80H1253N	Model UCG80H1253X	Model UCG80H1993N	Model UCG80H1993X	Model UCG80H2703N	Model UCG80H2703X
1	Blower w/Gasket	415-51225-00	415-51225-00	415-48922-00	415-48922-00	415-51428-00	415-51428-00
2	Blower Transition Gasket	239-43241-00	239-43241-00	239-43241-00	239-43241-00	239-43241-00	239-43241-00
3	Venturi & Gas Valve Assembly	243-54262-04	243-54263-04	243-54262-05	243-54263-05	243-54262-06	243-54263-06
4	Ground Wire	239-51994-00	239-51994-00	239-51994-00	239-51994-00	239-51994-00	239-51994-00
5	Washer - #10 Lockwasher (req'd)	239-18461-00	239-18461-00	239-18461-00	239-18461-00	239-18461-00	239-18461-00
6	Venturi Gasket ♦	239-44654-00	239-44654-00	239-44654-00	239-44654-00	239-44654-00	239-44654-00
7	Gas Piping Assembly	243-50524-00	243-50524-00	243-50524-00	243-50524-00	243-50524-00	243-50524-00
8	Screw 10-32 x .75 Skt Head Cap (4 req'd)	239-43273-00	239-43273-00	239-43273-00	239-43273-00	239-43273-00	239-43273-00
9	Transition Tube Blower to Burner	239-43201-00	239-43201-00	239-43201-00	239-43201-00	239-43201-00	239-43201-00
10	Screw - #8-32 x 1/4 (4 req'd)	239-43272-00	239-43272-00	239-43272-00	239-43272-00	239-43272-00	239-43272-00
11	Igniter	415-49655-00	415-49655-00	415-49655-00	415-49655-00	415-49655-00	415-49655-00
12	Gasket Igniter	239-43370-00	239-43370-00	239-43370-00	239-43370-00	239-43370-00	239-43370-00
13	Flame Sensor	415-43232-00	415-43232-00	415-43232-00	415-43232-00	415-43232-00	415-43232-00
14	Gasket Flame Sensor	239-43371-00	239-43371-00	239-43371-00	239-43371-00	239-43371-00	239-43371-00
15	Nut Hex Washer (4 req'd for Trans Tube)	239-43297-00	239-43297-00	239-43297-00	239-43297-00	239-43297-00	239-43297-00
16	Gasket Burner (2 req'd)●	239-43246-00	239-43246-00	239-43246-00	239-43246-00	239-43246-00	239-43246-00
17	Burner	265-53033-00	265-53033-00	265-53033-00	265-53033-00	265-53033-00	265-53033-00
18	Burner Mounting Assembly	239-43167-00	239-43167-00	239-43167-00	239-43167-00	239-43167-00	239-43167-00
19	Combustion Assembly Gasket	239-43197-00	239-43197-00	239-43197-00	239-43197-00	239-43197-00	239-43197-00
20	Screw 5/16-18 x 3/4 (5 req'd)	239-32970-00	239-32970-00	239-32970-00	239-32970-00	239-32970-00	239-32970-00
21	Burner Assembly *	243-50527-00	243-50527-00	243-50527-00	243-50527-00	243-50527-00	243-50527-00
22	Blower and Gas Valve Assembly *	243-54261-07	243-54261-08	243-54261-09	243-54261-10	243-54261-11	243-54261-12

* Ordering a complete assembly may increase delivery time. Please order the specific component required for the quickest delivery.

♦ Included with Item 1 & 3

● Included with Items 17 & 21

Item	Description	Model	Model	Model	Model
		UCG100H1993N	UCG100H1993X	UCG100H2703N	UCG100H2703X
1	Blower w/Gasket	415-48922-00	415-48922-00	415-51428-00	415-51428-00
2	Blower Transition Gasket	239-43241-00	239-43241-00	239-43241-00	239-43241-00
3	Venturi & Gas Valve Assembly	243-54262-02	243-54263-02	243-54262-03	243-54263-03
4	Ground Wire	239-51994-00	239-51994-00	239-51994-00	239-51994-00
5	Washer - #10 Lockwasher (req'd)	239-18461-00	239-18461-00	239-18461-00	239-18461-00
6	Venturi Gasket ♦	239-44654-00	239-44654-00	239-44654-00	239-44654-00
7	Gas Piping Assembly	243-50524-00	243-50524-00	243-50524-00	243-50524-00
8	Screw 10-32 x .75 Skt Head Cap (4 req'd)	239-43273-00	239-43273-00	239-43273-00	239-43273-00
9	Transition Tube Blower to Burner	239-43201-00	239-43201-00	239-43201-00	239-43201-00
10	Screw - #8-32 x 1/4 (4 req'd)	239-43272-00	239-43272-00	239-43272-00	239-43272-00
11	Flame Sensor	415-43232-00	415-43232-00	415-43232-00	415-43232-00
12	Gasket Flame Sensor	239-43371-00	239-43371-00	239-43371-00	239-43371-00
13	Igniter	415-49655-00	415-49655-00	415-49655-00	415-49655-00
14	Gasket Igniter	239-43370-00	239-43370-00	239-43370-00	239-43370-00
15	Nut Hex Washer (4 req'd for Trans Tube)	239-43297-00	239-43297-00	239-43297-00	239-43297-00
16	Gasket Burner (2 req'd)●	239-43246-00	239-43246-00	239-43246-00	239-43246-00
17	Burner	265-53033-00	265-53033-00	265-53033-00	265-53033-00
18	Burner Mounting Assembly	239-43167-00	239-43167-00	239-43167-00	239-43167-00
19	Combustion Assembly Gasket	239-43197-00	239-43197-00	239-43197-00	239-43197-00
20	Screw 5/16-18 x 3/4 (5 req'd)	239-32970-00	239-32970-00	239-32970-00	239-32970-00
21	Burner Assembly *	243-50527-00	243-50527-00	243-50527-00	243-50527-00
22	Blower and Gas Valve Assembly *	243-54261-01	243-54261-02	243-54261-03	243-54261-04

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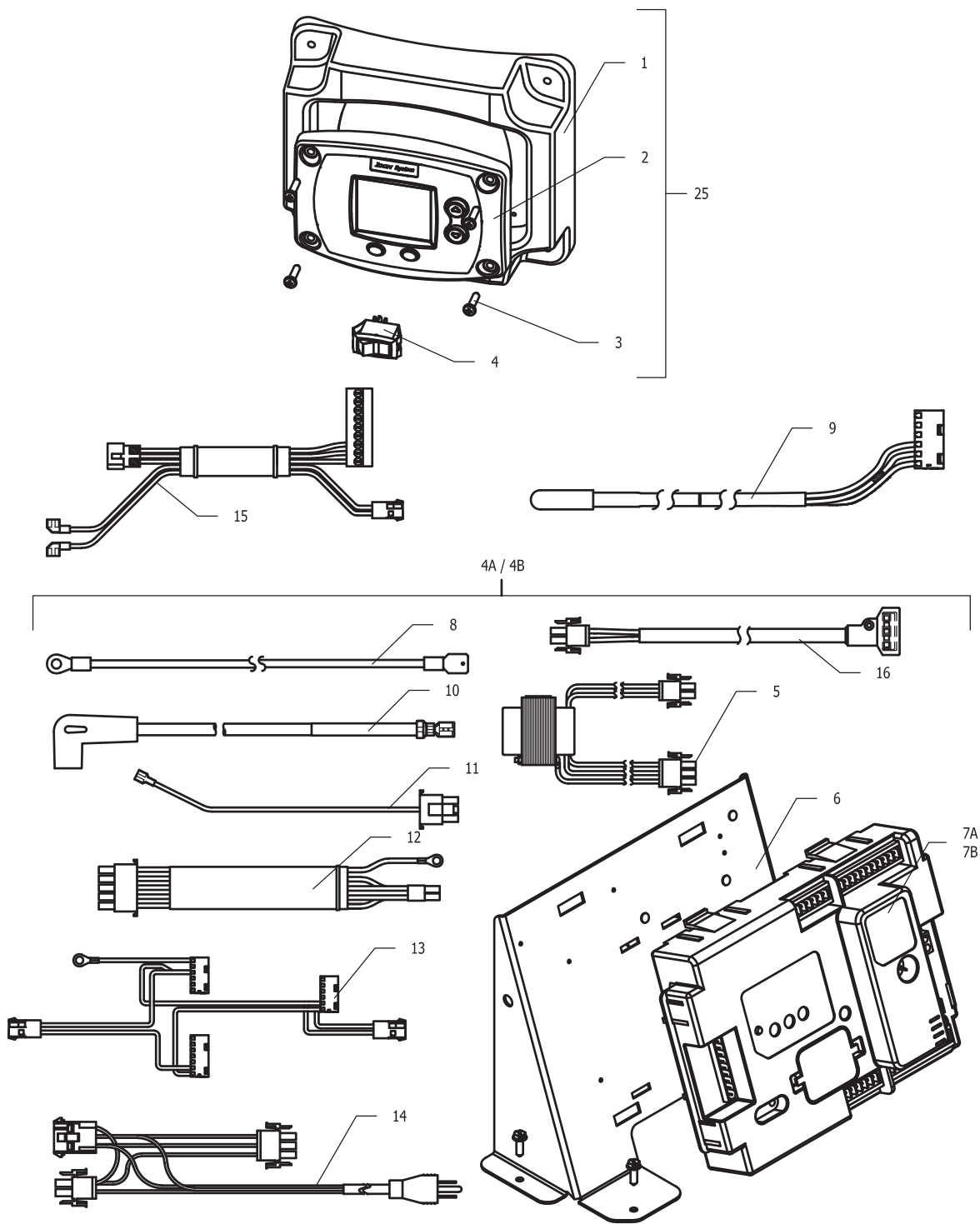
♦ Included with Item 1 & 3

Item	Description	Model UCG80H3993N	Model UCG80H3993X	Model UCG100H3993N	Model UCG100H3993X
1	Blower w/Gasket	415-51428-00	415-51428-00	415-51428-00	415-51428-00
2	Blower Transition Gasket	239-43241-00	239-43241-00	239-43241-00	239-43241-00
3	Venturi & Gas Valve Assembly*	243-54262-07	243-54263-07	243-54262-01	243-54263-01
4	Ground Wire	239-51994-00	239-51994-00	239-51994-00	239-51994-00
5	Washer - #10 Lockwasher (req'd)	239-18461-00	239-18461-00	239-18461-00	239-18461-00
6	Venturi Gasket ◇	239-44654-00	239-44654-00	239-44654-00	239-44654-00
7	Gas Piping assembly	243-50524-00	243-50524-00	243-50524-00	243-50524-00
8	Screw 10-32 x .75 Skt Head Cap (4 req'd)	239-43273-00	239-43273-00	239-43273-00	239-43273-00
9	Transition Tube Blower to Burner	239-43201-00	239-43201-00	239-43201-00	239-43201-00
10	Screw - #8-32 x 1/4 (4 req'd)	239-43272-00	239-43272-00	239-43272-00	239-43272-00
11	Flame Sensor	415-43232-00	415-43232-00	415-43232-00	415-43232-00
12	Gasket Flame Sensor	239-43371-00	239-43371-00	239-43371-00	239-43371-00
13	Igniter	415-46481-00	415-46481-00	415-46481-00	415-46481-00
14	Gasket Igniter	239-43370-00	239-43370-00	239-43370-00	239-43370-00
15	Nut Hex Washer (4 req'd for Trans Tube)	239-43297-00	239-43297-00	239-43297-00	239-43297-00
16	Gasket Burner (2 req'd)●	239-43246-00	239-43246-00	239-43246-00	239-43246-00
17	Burner	265-53033-00	265-53033-00	265-53033-00	265-53033-00
18	Burner Mounting Assembly	239-43167-00	239-43167-00	239-43167-00	239-43167-00
19	Combustion Assembly Gasket	239-43197-00	239-43197-00	239-43197-00	239-43197-00
20	Screw 5/16-18 x 3/4 (5 req'd)	239-32970-00	239-32970-00	239-32970-00	239-32970-00
21	Burner Assembly *	243-51232-00	243-51232-00	243-51232-00	243-51232-00
22	Blower and Gas Valve Assembly *	243-54261-13	243-54261-14	243-54261-05	243-54261-06

* Ordering a complete assembly may increase delivery time. Please order the specific component required for the quickest delivery.

◇ Included with Item 1 & 3

● Included with Items 17 & 21



Item	Description	Model UCG80H1253(N/X)	Model UCG(80,100)H1993(N/X)	Model UCG(80,100)H2703(N/X)	Model UCG(80,100)H3993(N/X)
1	Display Mount	239-50508-00	239-50508-00	239-50508-00	239-50508-00
2	Display- SOLA Control	415-54047-00	415-54047-00	415-54047-00	415-54047-00
3	Screw-#8-18 X .75 for Control Display (4 req'd)	239-41104-00	239-41104-00	239-41104-00	239-41104-00
4	Main Power Switch	239-50586-00	239-50586-00	239-50586-00	239-50586-00
5	Transformer 120V to 24V	233-50559-00	233-50559-00	233-50559-00	233-50559-00
6	Control Panel	239-50514-00	239-50514-00	239-50514-00	239-50514-00
7A	Control Module (SOLA) 5,000 RPM Ignition	415-54156-01	415-54156-01	415-54156-01	---
7B	Control Module (SOLA) 3,000 RPM Ignition	---	---	---	415-51229-00
8	Ground Wire	239-38951-88	239-38951-88	239-38951-88	239-38951-88
9	T-Stat Sensor Harness	239-48587-00	239-48587-00	239-48587-00	239-48587-00
10	High Voltage Spark Cable	239-46861-00	239-46861-00	239-46861-00	239-46861-00
11	Flame Sensor Wire	239-48237-00	239-48237-00	239-48237-00	239-48237-00
12	Blower Harness	239-48170-00	239-48170-00	239-48170-00	239-48170-00
13	Ignition Control Harness	239-54209-00	239-54209-00	239-54209-00	239-54209-00
14	Power Cord Harness	239-51212-00	239-51212-00	239-51212-00	239-51212-00
15	Control to Display Harness	239-51209-00	239-51209-00	239-51209-00	239-51209-00
16	Rectifier Harness	239-43571-00	239-43571-00	239-43571-00	239-43571-00

Reference Chart of Anode Length by Model

Model	AOD Anode Cut (End to end)		Hex Head Anode Cut Length (End to end)	
	Inches	Millimeters	Inches	Millimeters
UCG100H	---	---	43.5	1105
UCG80H	---	---	35	889

NOTES

[illegible]



United States

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Email techsupport@bradfordwhite.com
Warranty 800-531-2111
Email warranty@bradfordwhite.com
Service Parts 800-538-2020
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Canada

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Warranty 800-531-2111
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For field service, please contact your professional installer or
local Bradford White sales representative.