



COMMERCIAL GAS REPLACEMENT PARTS LIST ULTRA LOW NO_x ATMOSPHERIC VENT WATER HEATER

U65L(155,199,270)E*N(A)
U100L(199,270,300,399)E*N(A)



THE BRADFORD WHITE
ICON^{HD}
COMMERCIAL CONTROL SYSTEM

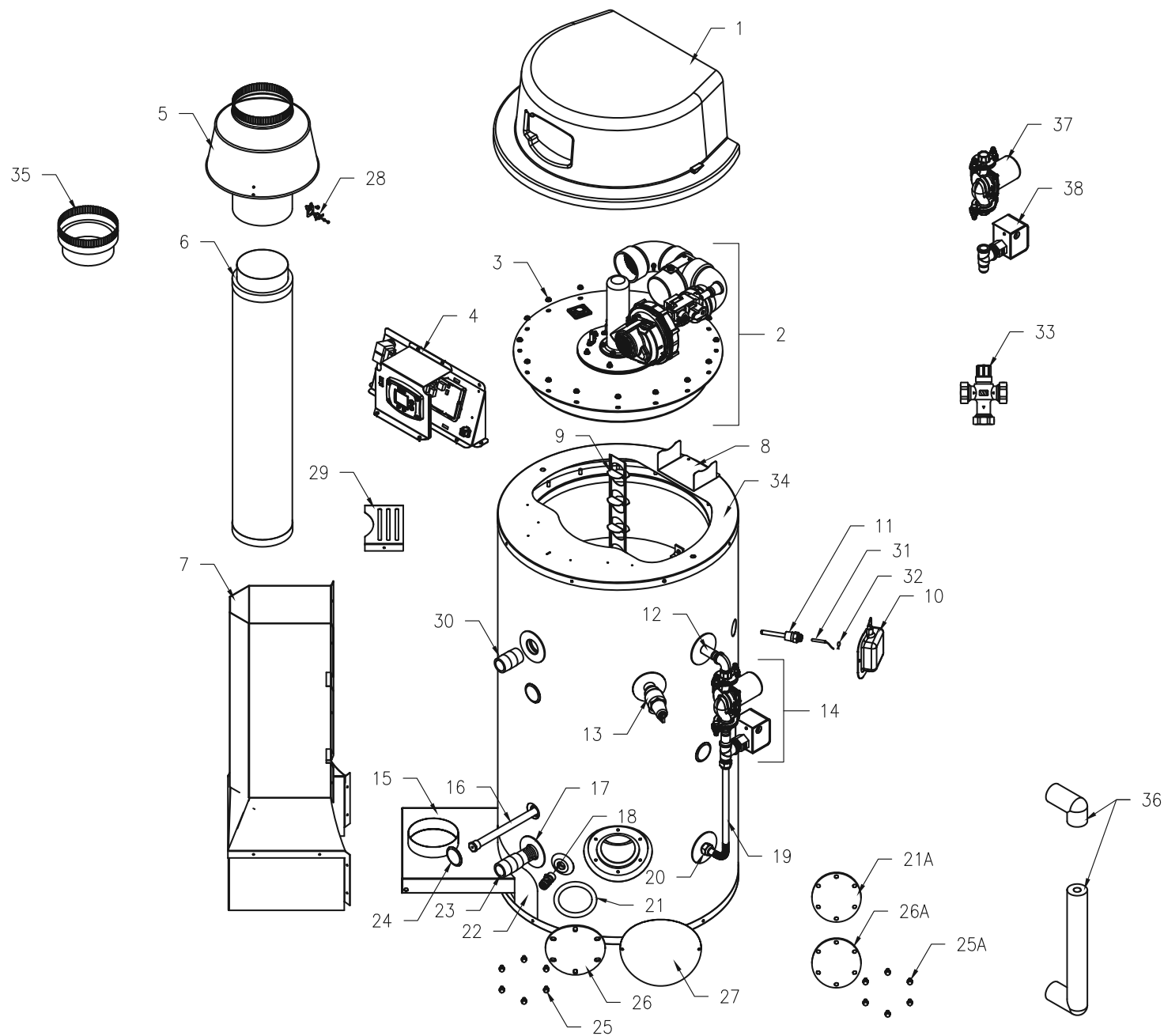


Includes Hydrojet[®]
Total Performance System

Effective: August, 2012
ECO 7697

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

Dimensions and specifications
subject to change without notice.

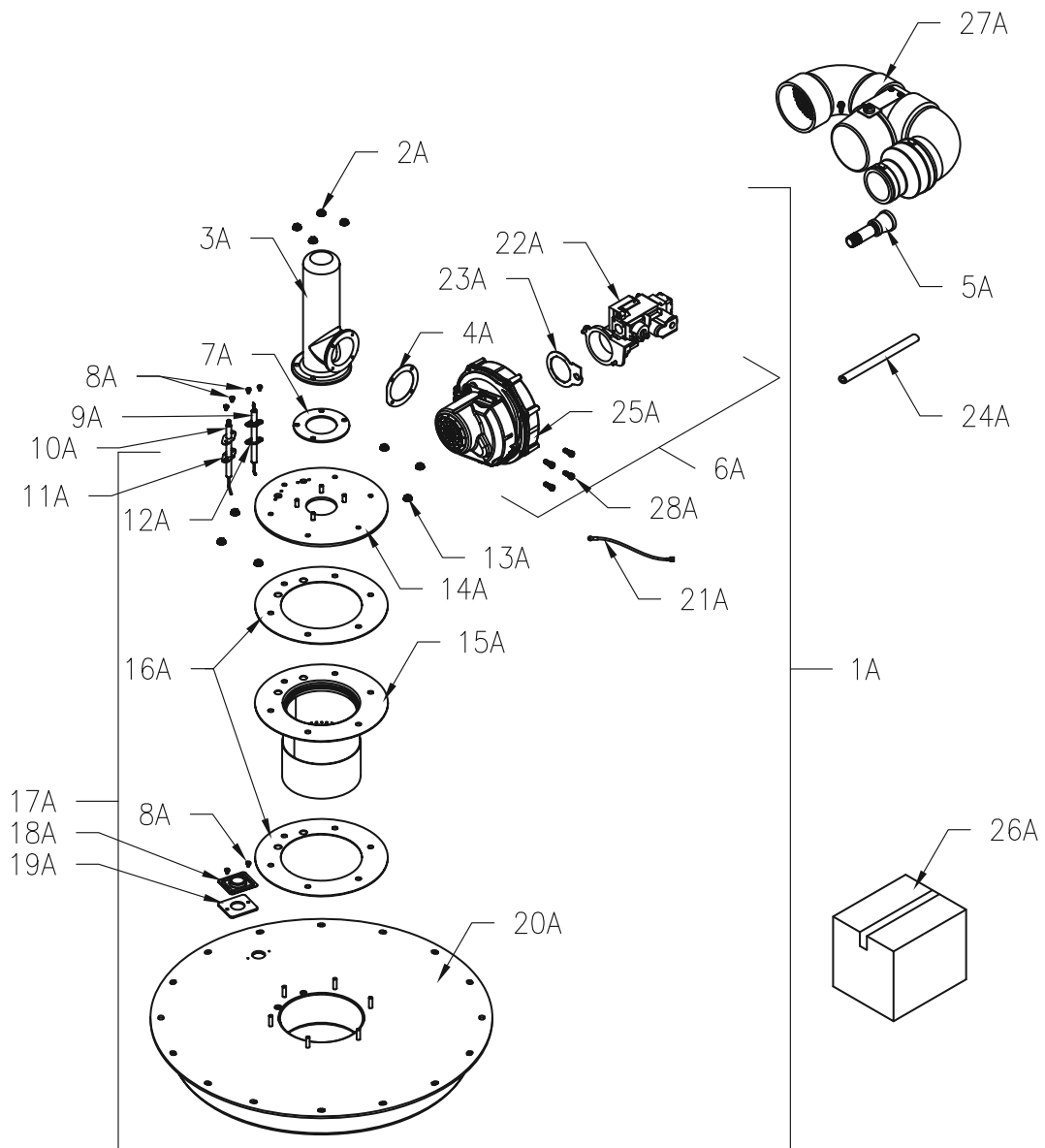


EXPANDED VIEW

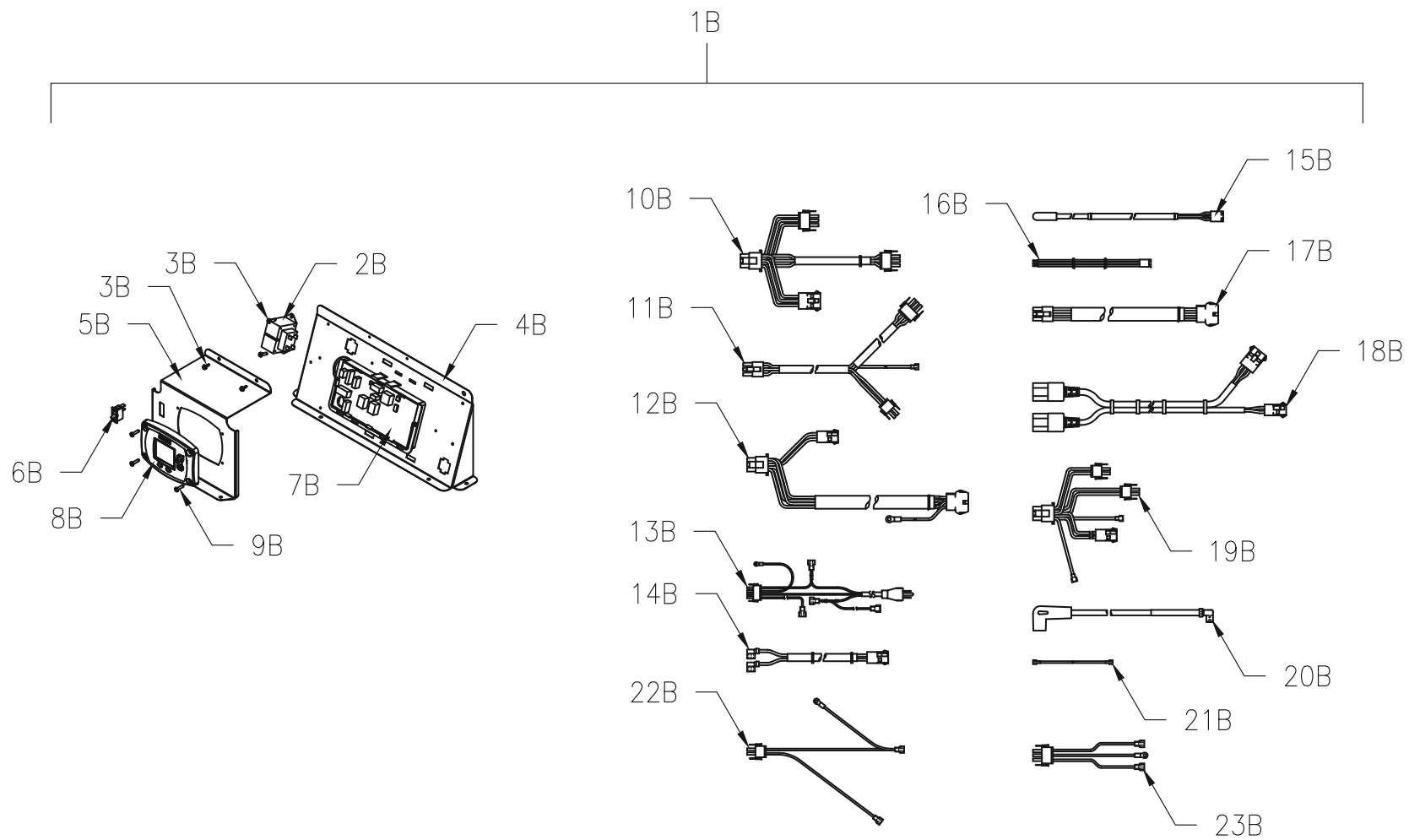
Item	Description	Model U65L155E*N(A)	Model U65L199E*N(A)	Model U65L270E*N(A)
1	Plastic Surround with Latches and Wiring Diagram	265-49763-02	265-49763-02	265-49763-02
2	Combustion System Assembly	(see page 4)	(see page 4)	(see page 4)
3	NUT-5/16-18 HX/WASH SERR (16 req'd)	239-49985-00	239-49985-00	239-49985-00
4	Complete Control Panel Assembly	(see page 6)	(see page 6)	(see page 6)
5	Draft Diverter	239-49610-01	239-49610-01	239-49610-01
6	Vent Exhaust Tube	239-49706-00	239-49706-00	239-49706-00
7	Vent Protector Assmebly	239-49702-00	239-49702-00	239-49702-00
8	Damper Support Bracket	239-49898-02	239-49898-01	239-49898-01
9	Baffle 4" Flue (4 Req'd)	239-49067-05	239-49067-07	239-49067-07
10	Plastic Cover (Grey)	239-80281-03	239-80281-03	239-80281-03
11	Sensor Well	233-46558-01	233-46558-01	233-46558-01
12	3/4" x 4" NPT Nipple Plastisert	229-40913-07	229-40913-07	229-40913-07
13	T&P Valve	230-30246-00	230-30246-00	230-33630-04
14	Circulator Assembly	239-49648-00	239-49648-00	239-49648-00
15	Stainless Exhaust Boot	239-49634-00	239-49634-00	239-49634-00
16	Anode (Magnesium) (up to 5 req'd)	224-47782-03	224-47782-03	224-47782-03
	Anode (Aluminum) (up to 5 req'd)	224-47783-03	224-47783-03	224-47783-03
	Anode (Aluminum A420) (up to 5 req'd)#	224-49559-04	224-49559-04	224-49559-04
17	Foam Escutcheon Cover	239-81470-01	239-81470-01	239-81470-01
18	Drain Valve Brass (No Handle)	265-42351-02	265-42351-02	265-42351-02
19	Flexible Stainless Connector	239-49617-02	239-49617-02	239-49617-02
20	Brass NPT to SAE Adapter	239-49645-00	239-49645-00	239-49645-00
21	Cleanout Gasket	205-18427-00	205-18427-00	205-18427-00
21A	Cleanout Gasket (ASME)	205-32942-00	205-32942-00	205-32942-00
22	Service Panel	243-49924-00	243-49924-00	243-49924-00
23	Inlet Tube Hydrojet (Front Connect)	229-44375-00	229-44375-00	229-44375-00
24	Plastic Hole Closure (Grey)	239-31547-02	239-31547-02	239-31547-02
25	Screw 5/16 - 18 x 1/2 (6 req'd)	239-82166-00	239-82166-00	239-82166-00
25A	Screw 5/16 - 18 x 1/2 ASME (6 req'd)	239-32970-00	239-32970-00	239-32970-00
26	Cleanout Cover	205-18428-00	205-18428-00	205-18428-00
26A	Cleanout Cover (AMSE)	205-32941-00	205-32941-00	205-32941-00
27	Clean Out Cover Access	243-20299-00	243-20299-00	243-20299-00
28	Assembly Blocked Vent Switch	239-49622-00	239-49622-00	239-49622-00
29	Vent Bracket	239-49939-00	239-49939-00	239-49939-00
30	Nipple Hot Water Outlet Plastisert (Front Connect)	229-40913-07	229-40913-07	229-40913-07
31	T-Stat Sensor Harness	239-49874-00	239-49874-00	239-49874-00
32	T-Stat Clip	233-45242-00	233-45242-00	233-45242-00
33	ASSE Approved Mixing Valve (Optional)	239-43740-02	239-43740-02	239-43740-02
34	Jacket Head	239-49252-02	239-49252-02	239-49252-02
35	Vent Adapter	---	---	---
36	Foam Circulation Loop Kit	239-49991-02	239-49991-02	239-49991-02
37	Circulator and Gaskets	239-49643-00	239-49643-00	239-49643-00
38	Flow Switch Assembly	239-49647-00	239-49647-00	239-49647-00

* Applies to all warranties.

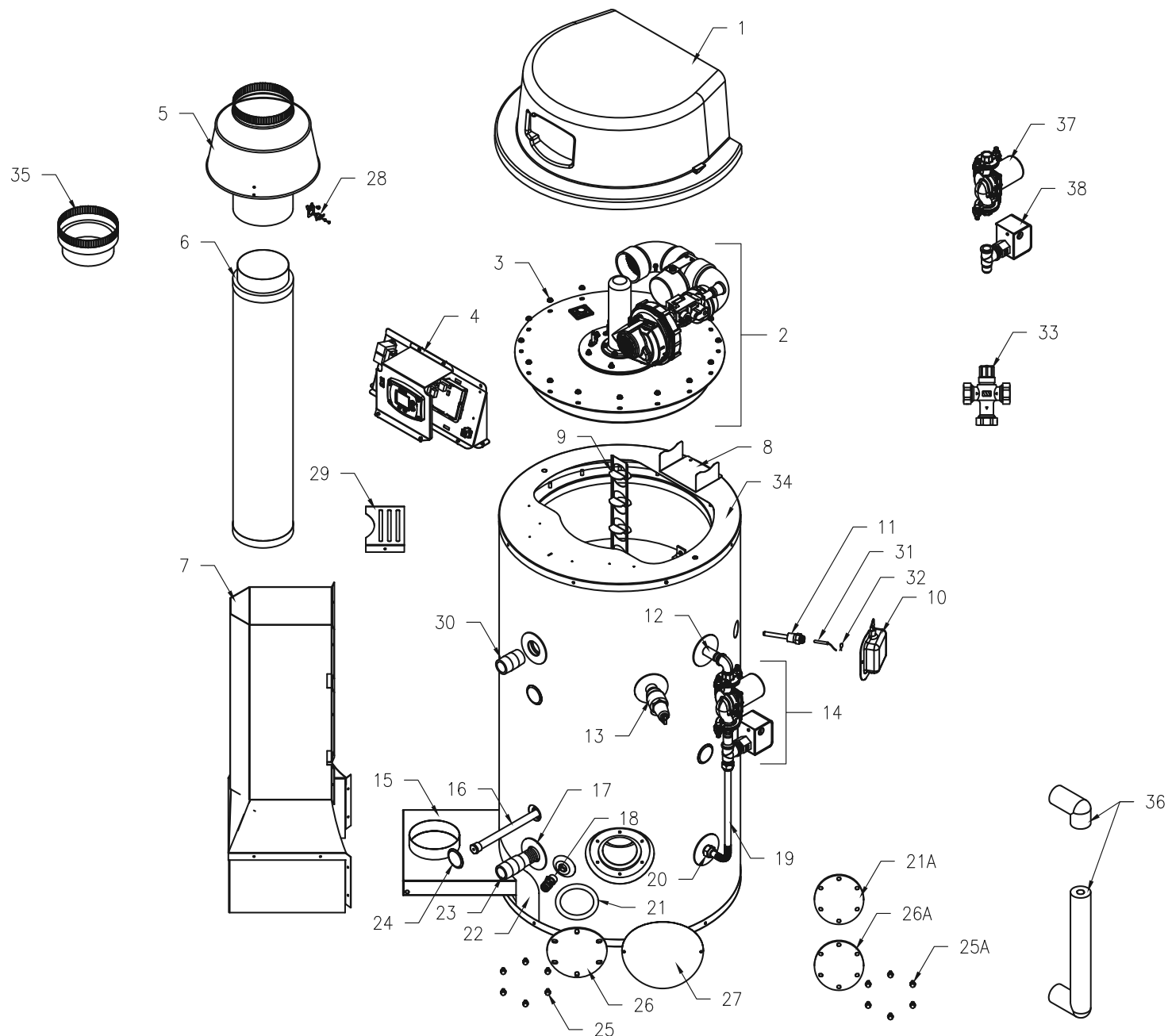
A420 anode may need to be cut to length.



Item	Description	Model	Model	Model
		U65L155E*N(A)	U65L199E*N(A)	U65L270E*N(A)
1A	Complete System Assembly	243-49716-01	243-49716-02	243-49716-03
2A	Nut Hex Washer (4 req'd for Trans Tube)	239-43297-00	239-43297-00	239-43297-00
3A	Transition Tube Blower to Burner	239-49614-00	239-49614-00	239-49614-00
4A	Gasket Blower Transition	239-43241-00	239-43241-00	239-43241-00
5A	Gas Supply Piping Assembly	243-49940-00	243-49940-00	243-49940-00
6A	Blower and Gas Valve and Trans Tube Assembly	243-49715-01	243-49715-02	243-49715-03
7A	Gasket Blower/Burner Adapter (Trans Tube)	239-49636-00	239-49636-00	239-49636-00
8A	Screw 8-32 x 14 RHCR (6 req'd)	239-43272-00	239-43272-00	239-43272-00
9A	Flame Sensor with Gasket	265-49654-00	265-49654-00	265-49654-00
10A	Spark Rod with Gasket	265-49655-00	265-49655-00	265-49655-00
11A	Gasket Spark Rod	239-43370-00	239-43370-00	239-43370-00
12A	Gasket Flame Sensor	239-43371-00	239-43371-00	239-43371-00
13A	Nut Hex Washer (6 req'd for Burner Plate)	239-43297-00	239-43297-00	239-43297-00
14A	Burner Mounting Plate	239-49653-01	239-49653-01	239-49653-02
15A	Burner Tube Kit (2 gaskets Req'd)	265-49651-00	265-49651-00	265-49652-00
16A	Gasket Burner (2 Req'd)	239-49637-01	239-49637-01	239-49637-02
17A	Burner Assembly	243-49712-01	243-49712-01	243-49712-02
18A	Assembly Sight Glass	239-49170-00	239-49170-00	239-49170-00
19A	Gasket Sight Glass	239-49169-00	239-49169-00	239-49169-00
20A	Burner Mounting Assembly	239-49630-02	239-49630-02	239-49630-03
21A	Ground Wire Assembly 24" Green	239-38951-83	239-38951-83	239-38951-83
22A	Gas Valve and Venturi Assembly	243-49717-03	243-49717-01	243-49717-02
23A	Gasket Venturi to Blower	239-44654-00	239-44654-00	239-44654-00
24A	Hose Tubing 3/16" ID (18" for U Models)	239-41718-00	239-41718-00	239-41718-00
25A	Blower with Gaskets	265-44037-00	265-43229-00	265-43229-00
26A	Gas Regulator Kit (Optional)	243-45517-00	243-45517-00	243-45517-00
27A	Damper Assembly	239-49802-00	239-49802-00	239-49802-00
	Damper Motor Only	239-49722-00	239-49722-00	239-49722-00
28A	Screw 10-32 x .75 SKT HEAD CAP (4 Req'd)	239-43273-00	239-43273-00	239-43273-00



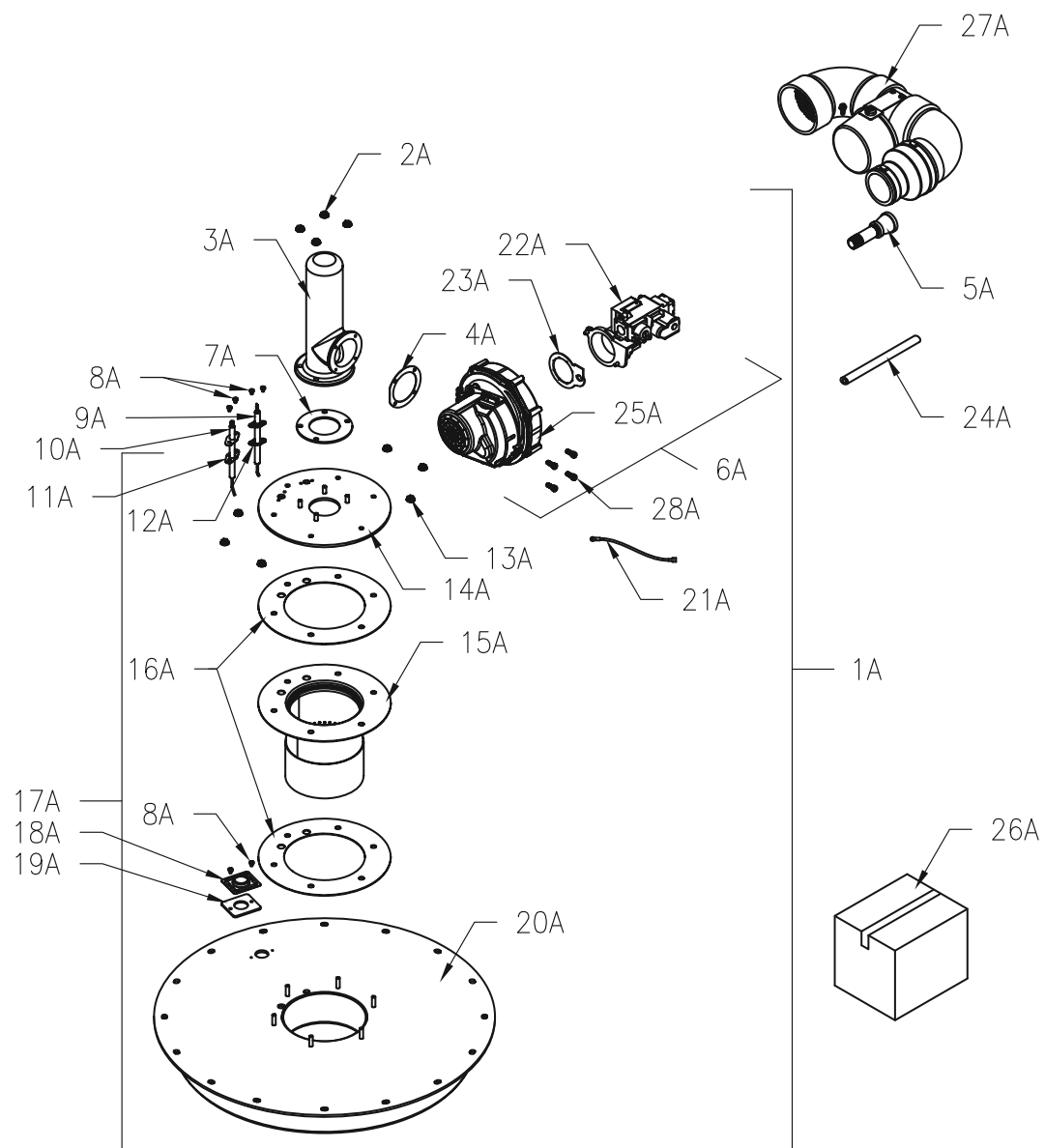
Item	Description	Model	Model	Model
		U65L155E*N(A)	U65L199E*N(A)	U65L270E*N(A)
1B	Complete Control Assembly and Wiring	243-49928-00	243-49928-00	243-49928-00
2B	Transformer 120V to 24V	233-44072-01	233-44072-01	233-44072-01
3B	Screw-8-18 X .25 (2 req'd)	239-43573-00	239-43573-00	239-43573-00
4B	Control Panel	239-49896-00	239-49896-00	239-49896-00
5B	Display Panel	239-49897-00	239-49897-00	239-49897-00
6B	Main Power Switch	239-43234-00	239-43234-00	239-43234-00
7B	Integrated Control Board	233-46954-00	233-46954-00	233-46954-00
8B	Control Display-Honeywell Integrated Control	233-46557-00	233-46557-00	233-46557-00
9B	Screw-#8-18 X .50 for Control Display (4 req'd)	239-43736-00	239-43736-00	239-43736-00
10B	Blower/Circ/Damper Harness (Control Panel)	239-49893-00	239-49893-00	239-49893-00
11B	Damper Harness	239-49894-00	239-49894-00	239-49894-00
12B	Ignition Control Harness	239-49877-00	239-49877-00	239-49877-00
13B	Power Cord Harness	239-49878-00	239-49878-00	239-49878-00
14B	Blocked Vent Switch (BVS) Harness	239-49895-01	239-49895-01	239-49895-01
15B	T-Stat Sensor Harness	239-49874-00	239-49874-00	239-49874-00
16B	Integrated Control Board Harness	239-49875-00	239-49875-00	239-49875-00
17B	Blower/Circ/Damper Harness (Control Board)	239-49876-00	239-49876-00	239-49876-00
18B	Circulator/Flow Switch Harness	239-49860-00	239-49860-00	239-49860-00
19B	BVS/Damper/Flow Harness (Control Panel)	239-49879-00	239-49879-00	239-49879-00
20B	High Voltage Spark Cable	239-49628-00	239-49628-00	239-49628-00
21B	Flame Sensor Wire 19" Black	239-38951-84	239-38951-84	239-38951-84
22B	Secondary Harness	239-48575-00	239-48575-00	239-48575-00
23B	Primary Harness	239-48574-00	239-48574-00	239-48574-00



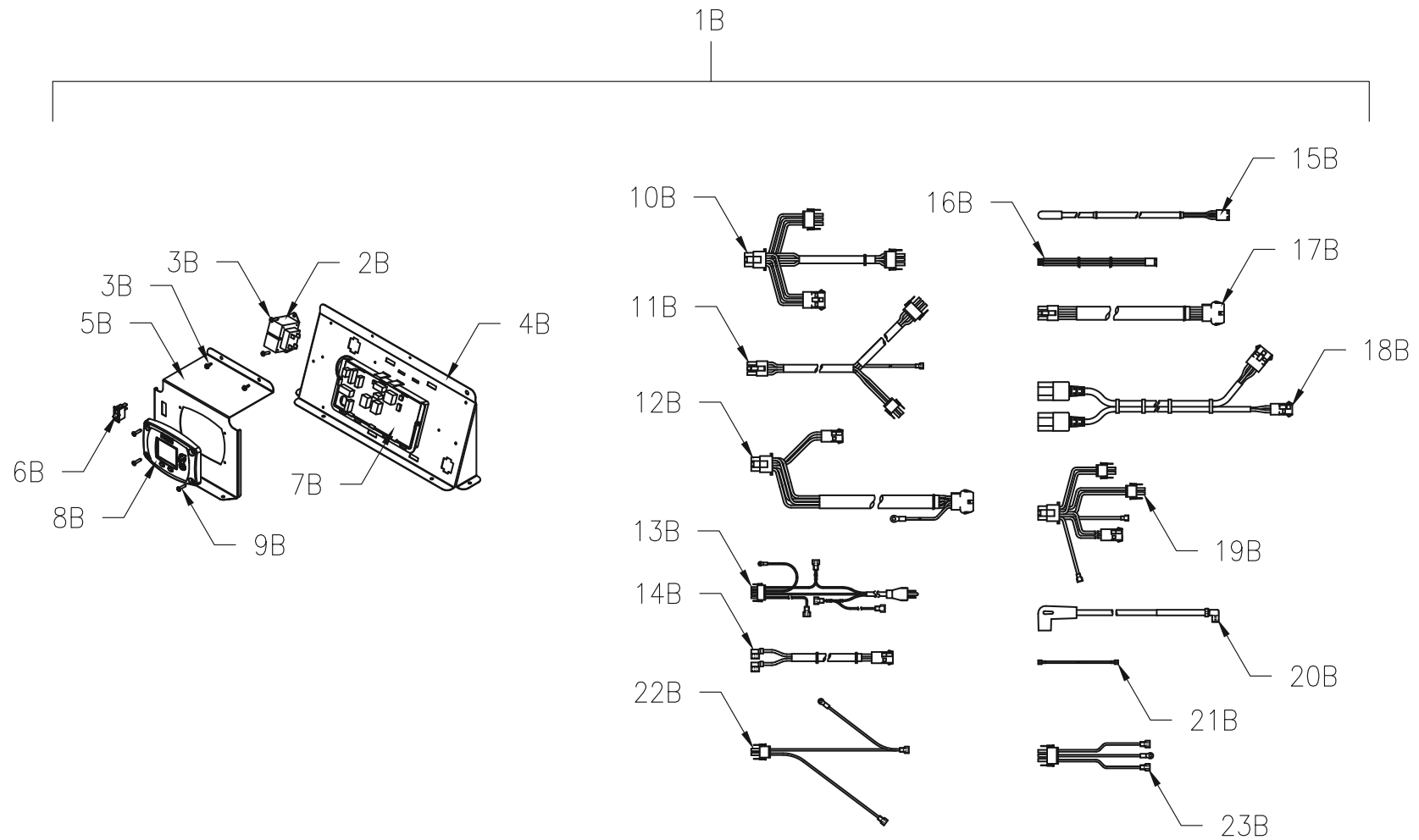
Item	Description	Model U100L199E*N(A)	Model U100L270E*N(A)	Model U100L300E*N(A)	Model U100L399E*N(A)
1	Plastic Surround with Latches and Wiring Diagram	265-49763-02	265-49763-02	265-49763-02	265-49763-02
2	Combustion System Assembly	(see page 10)	(see page 10)	(see page 10)	(see page 10)
3	NUT-5/16-18 HX/WASH SERR (16 req'd)	239-49985-00	239-49985-00	239-49985-00	239-49985-00
4	Complete Control Panel Assembly	(see page 12)	(see page 12)	(see page 12)	(see page 12)
5	Draft Diverter	239-49610-01	239-49610-01	239-49610-02	239-49610-03
6	Vent Exhaust Tube	239-49706-00	239-49706-00	239-49706-00	239-49706-00
7	Vent Protector Assmebly	239-49702-00	239-49702-00	239-49702-00	239-49702-00
8	Damper Support Bracket	239-49898-01	239-49898-01	239-49898-01	239-49898-01
9	Baffle 4" Flue (4 Req'd)	239-49067-07	239-49067-07	2639-49067-08	239-49067-09
10	Plastic Cover (Grey)	239-80281-03	239-80281-03	239-80281-03	239-80281-03
11	Sensor Well	233-46558-01	233-46558-01	233-46558-01	233-46558-01
12	3/4" x 4" NPT Nipple Plastisert	229-40913-07	229-40913-07	229-40913-07	229-40913-07
13	T&P Valve	230-30246-00	230-33630-04	230-33630-04	230-33630-04
14	Circulator Assembly	239-49648-00	239-49648-00	239-49648-00	239-49648-00
15	Stainless Exhaust Boot	239-49634-00	239-49634-00	239-49634-00	239-49634-00
16	Anode (Magnesium) (up to 5 req'd)	224-47782-03	224-47782-03	224-47782-03	224-47782-03
	Anode (Aluminum) (up to 5 req'd)	224-47783-03	224-47783-03	224-47783-03	224-47783-03
	Anode (Aluminum A420) (up to 5 req'd)#	224-49559-04	224-49559-04	224-49559-04	224-49559-04
17	Foam Escutcheon Cover	239-81470-01	239-81470-01	239-81470-01	239-81470-01
18	Drain Valve Brass (No Handle)	265-42351-02	265-42351-02	265-42351-02	265-42351-02
19	Flexible Stainless Connector	239-49617-01	239-49617-01	239-49617-01	239-49617-01
20	Brass NPT to SAE Adapter	239-49645-00	239-49645-00	239-49645-00	239-49645-00
21	Cleanout Gasket	205-18427-00	205-18427-00	205-18427-00	205-18427-00
21A	Cleanout Gasket (ASME)	205-32942-00	205-32942-00	205-32942-00	205-32942-00
22	Service Panel	243-49924-00	243-49924-00	243-49924-00	243-49924-00
23	Inlet Tube Hydrojet (Front Connect)	229-44375-00	229-44375-00	229-44375-00	229-44375-00
24	Plastic Hole Closure (Grey)	239-31547-02	239-31547-02	239-31547-02	239-31547-02
25	Screw 5/16 - 18 x 1/2 (6 req'd)	239-82166-00	239-82166-00	239-82166-00	239-82166-00
25A	Screw 5/16 - 18 x 1/2 ASME (6 req'd)	239-32970-00	239-32970-00	239-32970-00	239-32970-00
26	Cleanout Cover	205-18428-00	205-18428-00	205-18428-00	205-18428-00
26A	Cleanout Cover (AMSE)	205-32941-00	205-32941-00	205-32941-00	205-32941-00
27	Clean Out Cover Access	243-20299-00	243-20299-00	243-20299-00	243-20299-00
28	Assembly Blocked Vent Switch	239-49622-00	239-49622-00	239-49622-00	239-49622-00
29	Vent Bracket	239-49939-00	239-49939-00	239-49939-00	239-49939-00
30	Nipple Hot Water Outlet Plastisert (Front Connect)	229-40913-07	229-40913-07	229-40913-07	229-40913-07
31	T-Stat Sensor Harness	239-49874-00	239-49874-00	239-49874-00	239-49874-00
32	T-Stat Clip	233-45242-00	233-45242-00	233-45242-00	233-45242-00
33	ASSE Approved Mixing Valve (Optional)	239-43740-02	239-43740-02	239-43740-02	239-43740-02
34	Jacket Head	239-49252-02	239-49252-02	239-49252-02	239-49252-02
35	Vent Adapter	---	---	239-49703-01	239-49703-02
36	Foam Circulation Loop Kit	239-49991-01	239-49991-01	239-49991-01	239-49991-01
37	Circulator and Gaskets	239-49643-00	239-49643-00	239-49643-00	239-49643-00
38	Flow Switch Assembly	239-49647-00	239-49647-00	239-49647-00	239-49647-00

* Applies to all warranties.

A420 anode may need to be cut to length.



Item	Description	Model U100L199E*N(A)	Model U100L270E*N(A)	Model U100L300E*N(A)	Model U100L399E*N(A)
1A	Complete System Assembly	243-49716-02	243-49716-03	243-49716-03	243-49892-00
2A	Nut Hex Washer (4 req'd for Trans Tube)	239-43297-00	239-43297-00	239-43297-00	239-43297-00
3A	Transition Tube Blower to Burner	239-49614-00	239-49614-00	239-49614-00	239-49614-00
4A	Gasket Blower Transition	239-43241-00	239-43241-00	239-43241-00	239-43241-00
5A	Gas Supply Piping Assembly	243-49940-00	243-49940-00	243-49940-00	243-49941-00
6A	Blower and Gas Valve and Trans Tube Assembly	243-49715-02	243-49715-03	243-49715-03	243-49890-00
7A	Gasket Blower/Burner Adapter (Trans Tube)	239-49636-00	239-49636-00	239-49636-00	239-49636-00
8A	Screw 8-32 x 14 RHCR (6 req'd)	239-43272-00	239-43272-00	239-43272-00	239-43272-00
9A	Flame Sensor with Gasket	265-49654-00	265-49654-00	265-49654-00	265-49654-00
10A	Spark Rod with Gasket	265-49655-00	265-49655-00	265-49655-00	265-49655-00
11A	Gasket Spark Rod	239-43370-00	239-43370-00	239-43370-00	239-43370-00
12A	Gasket Flame Sensor	239-43371-00	239-43371-00	239-43371-00	239-43371-00
13A	Nut Hex Washer (6 req'd for Burner Plate)	239-43297-00	239-43297-00	239-43297-00	239-43297-00
14A	Burner Mounting Plate	239-49653-01	239-49653-02	239-49653-02	239-49653-02
15A	Burner Tube Kit (2 gaskets Req'd)	265-49651-00	265-49652-00	265-49652-00	265-49652-00
16A	Gasket Burner (2 Req'd)	239-49637-01	239-49637-02	239-49637-02	239-49637-02
17A	Burner Assembly	243-49712-01	243-49712-02	243-49712-02	243-49712-02
18A	Assembly Sight Glass	239-49170-00	239-49170-00	239-49170-00	239-49170-00
19A	Gasket Sight Glass	239-49169-00	239-49169-00	239-49169-00	239-49169-00
20A	Burner Mounting Assembly	239-49630-02	239-49630-03	239-49630-03	239-49630-03
21A	Ground Wire Assembly 24" Green	239-38951-83	239-38951-83	239-38951-83	239-38951-83
22A	Gas Valve and Venturi Assembly	243-49717-01	243-49717-02	243-49717-02	243-49891-00
23A	Gasket Venturi to Blower	239-44654-00	239-44654-00	239-44654-00	239-44654-00
24A	Hose Tubing 3/16" ID (18" for U Models)	239-41718-00	239-41718-00	239-41718-00	239-41718-00
25A	Blower with Gaskets	265-43229-00	265-43229-00	265-43229-00	265-46098-00
26A	Gas Regulator Kit (Optional)	243-45517-00	243-45517-00	243-45517-00	---
27A	Damper Assembly	239-49802-00	239-49802-00	239-49802-00	239-49803-00
	Damper Motor Only	239-49722-00	239-49722-00	239-49722-00	239-49722-00
28A	Screw 10-32 x .75 SKT HEAD CAP (4 Req'd)	239-43273-00	239-43273-00	239-43273-00	239-43273-00



Item	Description	Model U100L199E*N(A)	Model U100L270E*N(A)	Model U100L300E*N(A)	Model U100L399E*N(A)
1B	Complete Control Assembly and Wiring	243-49928-00	243-49928-00	243-49928-00	243-49928-00
2B	Transformer 120V to 24V	233-44072-01	233-44072-01	233-44072-01	233-44072-01
3B	Screw-8-18 X .25 (2 req'd)	239-43573-00	239-43573-00	239-43573-00	239-43573-00
4B	Control Panel	239-49896-00	239-49896-00	239-49896-00	239-49896-00
5B	Display Panel	239-49897-00	239-49897-00	239-49897-00	239-49897-00
6B	Main Power Switch	239-43234-00	239-43234-00	239-43234-00	239-43234-00
7B	Integrated Control Board	233-46954-00	233-46954-00	233-46954-00	233-46954-00
8B	Control Display-Honeywell Integrated Control	233-46557-00	233-46557-00	233-46557-00	233-46557-00
9B	Screw-#8-18 X .50 for Control Display (4 req'd)	239-43736-00	239-43736-00	239-43736-00	239-43736-00
10B	Blower/Circ/Damper Harness (Control Panel)	239-49893-00	239-49893-00	239-49893-00	239-49893-00
11B	Damper Harness	239-49894-00	239-49894-00	239-49894-00	239-49894-00
12B	Ignition Control Harness	239-49877-00	239-49877-00	239-49877-00	239-49877-00
13B	Power Cord Harness	239-49878-00	239-49878-00	239-49878-00	239-49878-00
14B	Blocked Vent Switch (BVS) Harness	239-49895-02	239-49895-02	239-49895-02	239-49895-02
15B	T-Stat Sensor Harness	239-49874-00	239-49874-00	239-49874-00	239-49874-00
16B	Integrated Control Board Harness	239-49875-00	239-49875-00	239-49875-00	239-49875-00
17B	Blower/Circ/Damper Harness (Control Board)	239-49876-00	239-49876-00	239-49876-00	239-49876-00
18B	Circulator/Flow Switch Harness	239-49860-00	239-49860-00	239-49860-00	239-49860-00
19B	BVS/Damper/Flow Harness (Control Panel)	239-49879-00	239-49879-00	239-49879-00	239-49879-00
20B	High Voltage Spark Cable	239-49628-00	239-49628-00	239-49628-00	239-49628-00
21B	Flame Sensor Wire 19" Black	239-38951-84	239-38951-84	239-38951-84	239-38951-84
22B	Secondary Harness	239-48575-00	239-48575-00	239-48575-00	239-48575-00
23B	Primary Harness	239-48574-00	239-48574-00	239-48574-00	239-48574-00

NOTES

[illegible]

NOTES

[illegible]



For U.S. and Canada field service,
contact your professional installer or
local Bradford White sales representative.

Sales/800-523-2931
Fax/215-641-1670
Parts Fax/215-641-2180

Technical Support/800-334-3393
Fax/269-795-1089

Warranty/800-531-2111
Fax/269-795-1089

International:
Telephone/215-641-9400
Telefax/215-641-9750



Sales/866-690-0961
905-238-0100

Fax/905-238-0105

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