



## COMMERCIAL GAS REPLACEMENT PARTS LIST

# Ultra Low NOx Atmospheric Vent Models



Models Covered:  
**U65L(155,199,270)E\*N(A)**  
**U100L(199,270,399)E\*N(A)**  
\*Denotes warranty year

Includes Hydrojet®  
Total Performance System

**Effective: October, 2024**  
**ECO 8780**

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

Dimensions and specifications  
subject to change without notice.



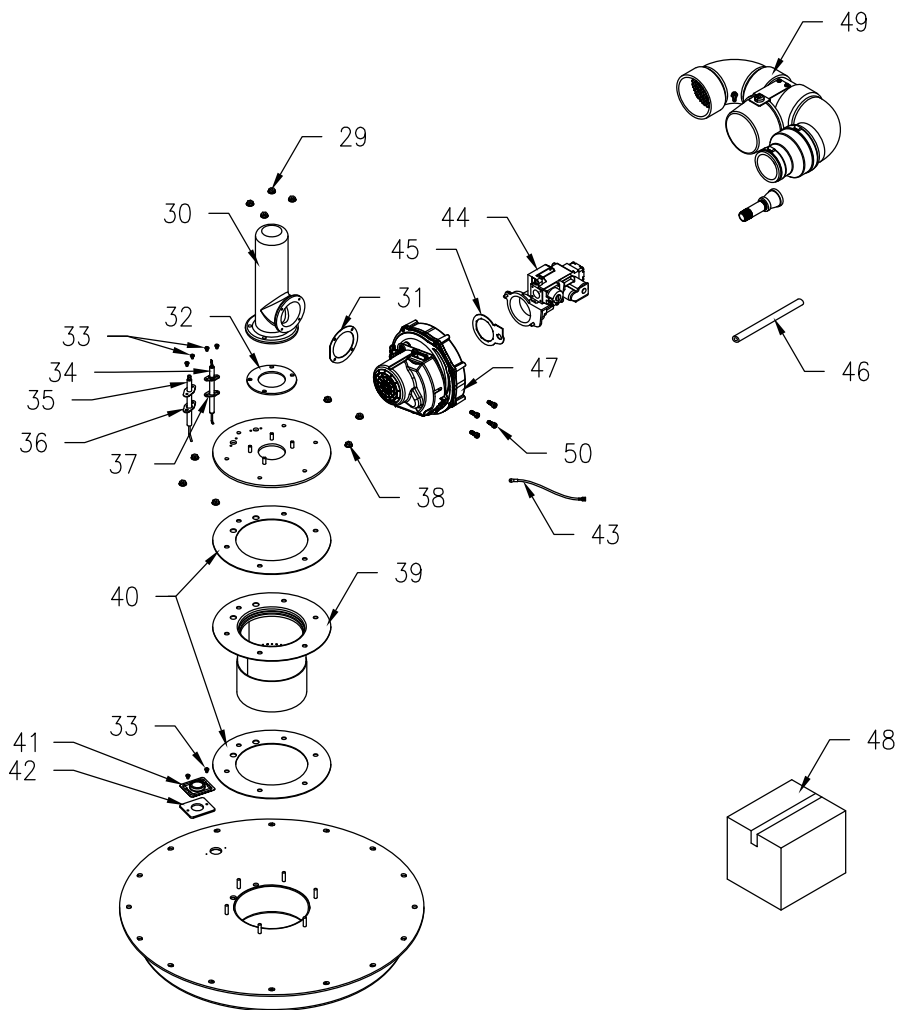
As required by the state of California Proposition 65.



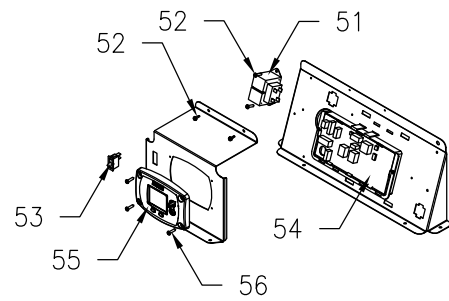
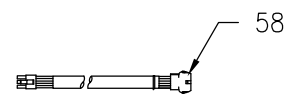
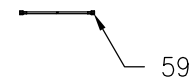
| Item | Description                                         | Model<br>U65L155E*N(A) | Model<br>U65L199E*N(A) | Model<br>U65L270E*N(A) |
|------|-----------------------------------------------------|------------------------|------------------------|------------------------|
| 1    | Combustion System Assembly                          | (see page 4)           | (see page 4)           | (see page 4)           |
| 2    | Complete Control Panel Assembly                     | (see page 6)           | (see page 6)           | (see page 6)           |
| 3    | Draft Diverter                                      | 239-49610-01           | 239-49610-01           | 239-49610-01           |
| 4    | Baffle 4" Flue (4 req'd)                            | ---                    | ---                    | ---                    |
| 5    | Plastic Cover (Grey)                                | 239-80281-03           | 239-80281-03           | 239-80281-03           |
| 6    | Sensor Well                                         | 233-46558-01           | 233-46558-01           | 233-46558-01           |
| 7    | 3/4" x 4" NPT Nipple Plasticsert                    | 229-40913-07           | 229-40913-07           | 229-40913-07           |
| 8    | T&P Valve                                           | 415-30246-00           | 415-30246-00           | 415-33630-04           |
| 9    | Circulator Assembly                                 | ---                    | ---                    | ---                    |
| 10   | Stainless Exhaust Boot                              | ---                    | ---                    | ---                    |
| 11   | Anode Magnesium (up to 5 req'd)                     | 415-47782-03           | 415-47782-03           | 415-47782-03           |
|      | Anode Aluminum (up to 5 req'd)                      | 224-47783-03           | 224-47783-03           | 224-47783-03           |
|      | Anode Aluminum A420 (up to 5 req'd)#                | 415-55487-00           | 415-55487-00           | 415-55487-00           |
| 12   | Foam Escutcheon Cover                               | 239-81470-01           | 239-81470-01           | 239-81470-01           |
| 13   | Drain Valve Brass (No Handle)                       | 415-42351-02           | 415-42351-02           | 415-42351-02           |
| 14   | Flexible Stainless Connector                        | 239-49617-02           | 239-49617-02           | 239-49617-02           |
| 15   | Cleanout Gasket                                     | 205-18427-00           | 205-18427-00           | 205-18427-00           |
| 15A  | Cleanout Gasket (ASME)                              | 205-32942-00           | 205-32942-00           | 205-32942-00           |
| 16   | Inlet Tube Hydrojet (Front Connect)                 | 415-44375-00           | 415-44375-00           | 415-44375-00           |
| 17   | Plastic Hole Closure (Grey)                         | 239-31547-02           | 239-31547-02           | 239-31547-02           |
| 18   | Screw 5/16 - 18 x 1/2 (6 req'd)                     | 239-82166-00           | 239-82166-00           | 239-82166-00           |
| 18A  | Screw 5/16 - 18 x 1/2 ASME (6 req'd)                | 239-32970-00           | 239-32970-00           | 239-32970-00           |
| 19   | Cleanout Cover                                      | 205-18428-00           | 205-18428-00           | 205-18428-00           |
| 19A  | Cleanout Cover (AMSE)                               | 205-32941-00           | 205-32941-00           | 205-32941-00           |
| 20   | Clean Out Cover Access                              | 243-20299-00           | 243-20299-00           | 243-20299-00           |
| 21   | Assembly Blocked Vent Switch                        | 415-49622-00           | 415-49622-00           | 415-49622-00           |
| 22   | Vent Bracket                                        | ---                    | ---                    | ---                    |
| 23   | Nipple Hot Water Outlet Plasticsert (Front Connect) | 229-40913-07           | 229-40913-07           | 229-40913-07           |
| 24   | T-Stat Clip                                         | 233-45242-00           | 233-45242-00           | 233-45242-00           |
| 25   | ASSE Approved Mixing Valve (Optional)               | 239-51778-00           | 239-51778-00           | 239-51778-00           |
| 26   | Foam Circulation Loop Kit                           | ---                    | ---                    | ---                    |
| 27   | Circulator and Gaskets                              | ---                    | ---                    | ---                    |
| 28   | Flow Switch                                         | 239-49647-00           | 239-49647-00           | 239-49647-00           |
| 60   | Kit-Cleanout (Not For Use With ASME Tanks)          | 415-54256-00           | 415-54256-00           | 415-54256-00           |

\* Applies to all warranties.

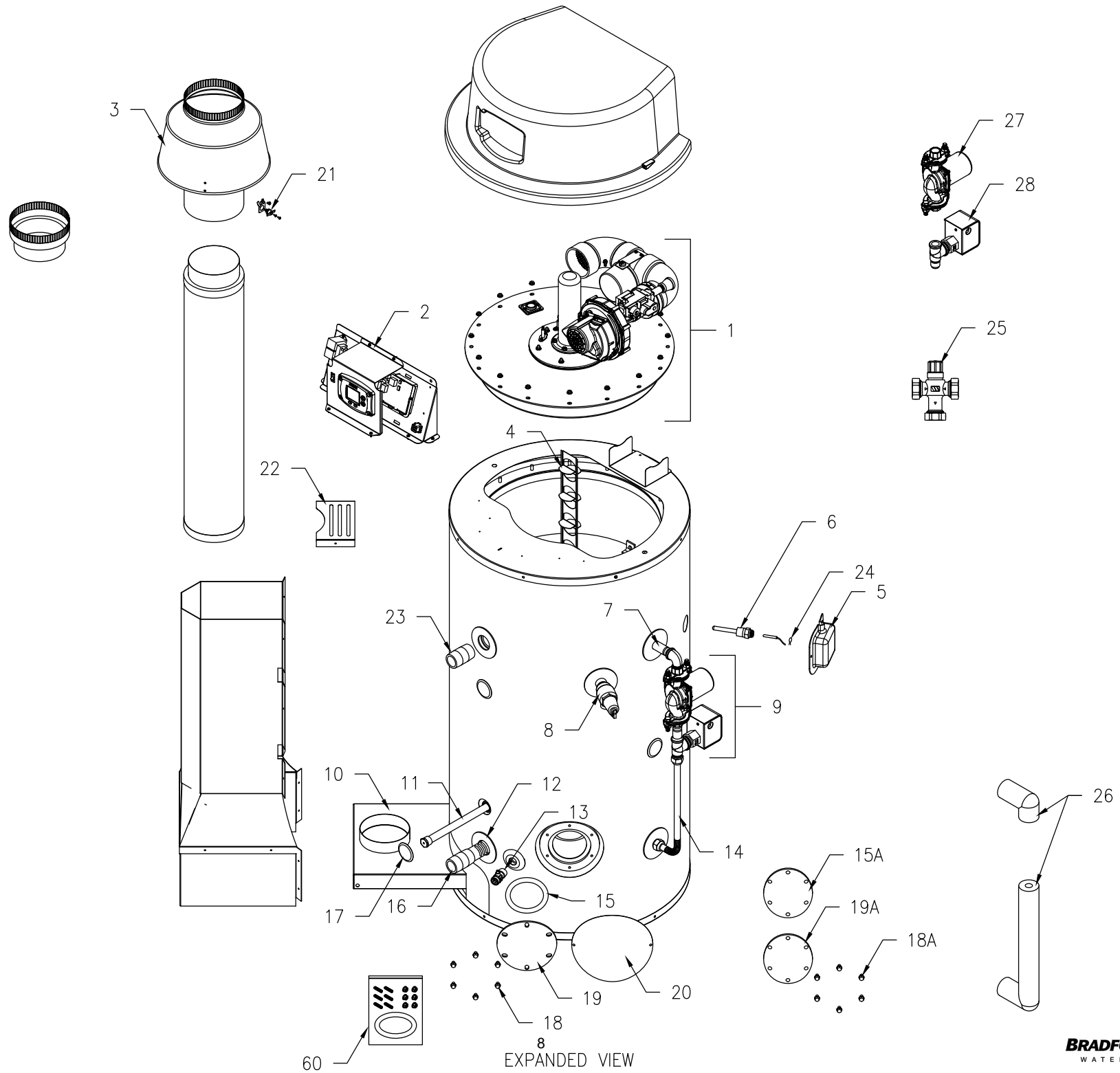
# Anode may need to be cut to length. See page 14.



| Item | Description                               | Model         | Model         | Model         |
|------|-------------------------------------------|---------------|---------------|---------------|
|      |                                           | U65L155E*N(A) | U65L199E*N(A) | U65L270E*N(A) |
| 29   | Nut Hex Washer (4 req'd for Trans Tube)   | 239-43297-00  | 239-43297-00  | 239-43297-00  |
| 30   | Transition Tube Blower to Burner          | 239-49614-00  | 239-49614-00  | 239-49614-00  |
| 31   | Gasket Blower Transition                  | 239-43241-00  | 239-43241-00  | 239-43241-00  |
| 32   | Gasket Blower/Burner Adapter (Trans Tube) | 239-49636-00  | 239-49636-00  | 239-49636-00  |
| 33   | Screw 8-32 x 14 RHCR (6 req'd)            | 239-43272-00  | 239-43272-00  | 239-43272-00  |
| 34   | Flame Sensor w/Gasket                     | 415-49654-00  | 415-49654-00  | 415-49654-00  |
| 35   | Spark Rod w/Gasket                        | 415-49655-00  | 415-49655-00  | 415-49655-00  |
| 36   | Gasket Spark Rod                          | 239-43370-00  | 239-43370-00  | 239-43370-00  |
| 37   | Gasket Flame Sensor                       | 239-43371-00  | 239-43371-00  | 239-43371-00  |
| 38   | Nut Hex Washer (6 req'd for Burner Plate) | 239-43297-00  | 239-43297-00  | 239-43297-00  |
| 39   | Burner Tube Kit (2 gaskets req'd)         | ---           | ---           | 265-49652-00  |
| 40   | Gasket Burner (2 req'd)                   | 239-49637-01  | 239-49637-01  | 239-49637-02  |
| 41   | Assembly Sight Glass                      | 239-49170-00  | 239-49170-00  | 239-49170-00  |
| 42   | Gasket Sight Glass                        | 239-49169-00  | 239-49169-00  | 239-49169-00  |
| 43   | Ground Wire Assembly 24" Green            | 239-38951-83  | 239-38951-83  | 239-38951-83  |
| 44   | Gas Valve and Venturi Assembly            | ---           | 243-49717-01  | 243-49717-02  |
| 45   | Gasket Venturi to Blower                  | 239-44654-00  | 239-44654-00  | 239-44654-00  |
| 46   | Hose Tubing 3/16" ID (18" for U Models)   | 239-41718-00  | 239-41718-00  | 239-41718-00  |
| 47   | Blower w/Gaskets                          | 415-51225-00  | 415-48922-00  | 415-48922-00  |
| 48   | Gas Regulator Kit (Optional)              | 243-45517-00  | 243-45517-00  | 243-45517-00  |
| 49   | Damper Assembly                           | 239-49802-00  | 239-49802-00  | 239-49802-00  |
|      | Damper Motor Only                         | 239-49722-00  | 239-49722-00  | 239-49722-00  |
| 50   | Screw 10-32 x .75 Skt Head Cap (4 req'd)  | 239-43273-00  | 239-43273-00  | 239-43273-00  |



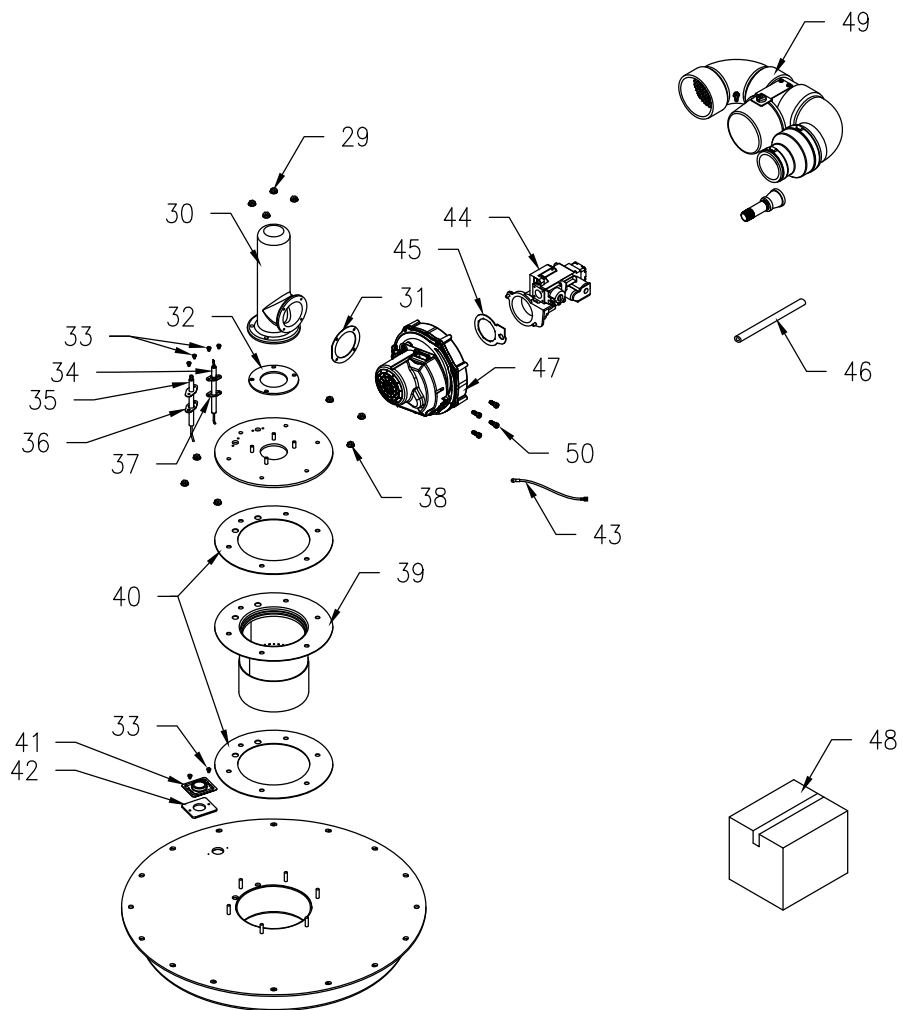
| Item | Description                                     | Model         | Model         | Model         |
|------|-------------------------------------------------|---------------|---------------|---------------|
|      |                                                 | U65L155E*N(A) | U65L199E*N(A) | U65L270E*N(A) |
| 51   | Transformer 120V to 24V                         | 415-44072-01  | 415-44072-01  | 415-44072-01  |
| 52   | Screw-8-18 X .25 (2 req'd)                      | 239-43573-00  | 239-43573-00  | 239-43573-00  |
| 53   | Main Power Switch                               | 239-43234-00  | 239-43234-00  | 239-43234-00  |
| 54   | Integrated Control Board                        | 415-46954-00  | 415-46954-00  | 415-46954-00  |
| 55   | Control Display-Integrated Control              | 415-46557-00  | 415-46557-00  | 415-46557-00  |
| 56   | Screw-#8-18 X .50 for Control Display (4 req'd) | 239-43736-00  | 239-43736-00  | 239-43736-00  |
| 57   | T-Stat Sensor Harness                           | 239-49874-00  | 239-49874-00  | 239-49874-00  |
| 58   | Blower/Circ./Damper Harness (Control Board)     | 239-49876-00  | 239-49876-00  | 239-49876-00  |
| 59   | Flame Sensor Wire 19" Black                     | 239-38951-84  | 239-38951-84  | 239-38951-84  |



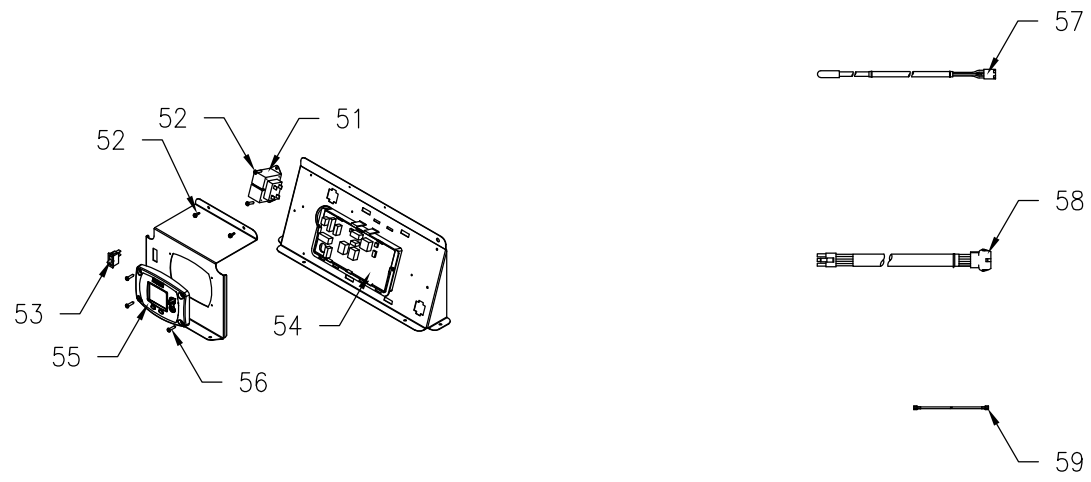
| Item | Description                                        | Model          | Model          | Model          | Model          |
|------|----------------------------------------------------|----------------|----------------|----------------|----------------|
|      |                                                    | U100L199E*N(A) | U100L270E*N(A) | U100L300E*N(A) | U100L399E*N(A) |
| 1    | Combustion System Assembly                         | (see page 10)  | (see page 10)  | (see page 10)  | (see page 10)  |
| 2    | Complete Control Panel Assembly                    | (see page 12)  | (see page 12)  | (see page 12)  | (see page 12)  |
| 3    | Draft Diverter                                     | 239-49610-01   | 239-49610-01   | 239-49610-02   | ---            |
| 4    | Baffle 4" Flue (4 req'd)                           | ---            | ---            | ---            | 239-49067-09   |
| 5    | Plastic Cover (Grey)                               | 239-80281-03   | 239-80281-03   | 239-80281-03   | 239-80281-03   |
| 6    | Sensor Well                                        | 233-46558-01   | 233-46558-01   | 233-46558-01   | 233-46558-01   |
| 7    | 3/4" x 4" NPT Nipple Plastisert                    | 229-40913-07   | 229-40913-07   | 229-40913-07   | 229-40913-07   |
| 8    | T&P Valve                                          | 415-30246-00   | 415-33630-04   | 415-33630-04   | 415-33630-04   |
| 9    | Circulator Assembly                                | ---            | ---            | ---            | ---            |
| 10   | Stainless Exhaust Boot                             | ---            | ---            | ---            | ---            |
| 11   | Anode Magnesium (up to 5 req'd)                    | 415-47782-03   | 415-47782-03   | 415-47782-03   | 415-47782-03   |
|      | 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)#               | 415-55487-00   | 415-55487-00   | 415-55487-00   | 415-55487-00   |
| 12   | Foam Escutcheon Cover                              | 239-81470-01   | 239-81470-01   | 239-81470-01   | 239-81470-01   |
| 13   | Drain Valve Brass (No Handle)                      | 415-42351-02   | 415-42351-02   | 415-42351-02   | 415-42351-02   |
| 14   | Flexible Stainless Connector                       | 239-49617-01   | 239-49617-01   | 239-49617-01   | 239-49617-01   |
| 15   | Cleanout Gasket                                    | 205-18427-00   | 205-18427-00   | 205-18427-00   | 205-18427-00   |
| 15A  | Cleanout Gasket (ASME)                             | 205-32942-00   | 205-32942-00   | 205-32942-00   | 205-32942-00   |
| 16   | Inlet Tube Hydrojet (Front Connect)                | 415-44375-00   | 415-44375-00   | 415-44375-00   | 415-44375-00   |
| 17   | Plastic Hole Closure (Grey)                        | 239-31547-02   | 239-31547-02   | 239-31547-02   | 239-31547-02   |
| 18   | Screw 5/16 - 18 x 1/2 (6 req'd)                    | 239-82166-00   | 239-82166-00   | 239-82166-00   | 239-82166-00   |
| 18A  | Screw 5/16 - 18 x 1/2 ASME (6 req'd)               | 239-32970-00   | 239-32970-00   | 239-32970-00   | 239-32970-00   |
| 19   | Cleanout Cover                                     | 205-18428-00   | 205-18428-00   | 205-18428-00   | 205-18428-00   |
| 19A  | Cleanout Cover (AMSE)                              | 205-32941-00   | 205-32941-00   | 205-32941-00   | 205-32941-00   |
| 20   | Clean Out Cover Access                             | 243-20299-00   | 243-20299-00   | 243-20299-00   | 243-20299-00   |
| 21   | Assembly Blocked Vent Switch                       | 415-49622-00   | 415-49622-00   | 415-49622-00   | 415-49622-00   |
| 22   | Vent Bracket                                       | ---            | ---            | ---            | ---            |
| 23   | Nipple Hot Water Outlet Plastisert (Front Connect) | 229-40913-07   | 229-40913-07   | 229-40913-07   | 229-40913-07   |
| 24   | T-Stat Clip                                        | 233-45242-00   | 233-45242-00   | 233-45242-00   | 233-45242-00   |
| 25   | ASSE Approved Mixing Valve (Optional)              | 239-51778-00   | 239-51778-00   | 239-51778-00   | 239-51778-00   |
| 26   | Foam Circulation Loop Kit                          | ---            | ---            | ---            | ---            |
| 27   | Circulator and Gaskets                             | ---            | ---            | ---            | ---            |
| 28   | Flow Switch                                        | 239-49647-00   | 239-49647-00   | 239-49647-00   | 239-49647-00   |
| 60   | Kit-Cleanout (Not For Use With ASME Tanks)         | 415-54256-00   | 415-54256-00   | 415-54256-00   | 415-54256-00   |

\* Applies to all warranties.

# Anode may need to be cut to length. See page 14.



| Item | Description                               | Model          | Model          | Model          | Model          |
|------|-------------------------------------------|----------------|----------------|----------------|----------------|
|      |                                           | U100L199E*N(A) | U100L270E*N(A) | U100L300E*N(A) | U100L399E*N(A) |
| 29   | Nut Hex Washer (4 req'd for Trans Tube)   | 239-43297-00   | 239-43297-00   | 239-43297-00   | 239-43297-00   |
| 30   | Transition Tube Blower to Burner          | 239-49614-00   | 239-49614-00   | 239-49614-00   | 239-49614-00   |
| 31   | Gasket Blower Transition                  | 239-43241-00   | 239-43241-00   | 239-43241-00   | 239-43241-00   |
| 32   | Gasket Blower/Burner Adapter (Trans Tube) | 239-49636-00   | 239-49636-00   | 239-49636-00   | 239-49636-00   |
| 33   | Screw 8-32 x 14 RHCR (6 req'd)            | 239-43272-00   | 239-43272-00   | 239-43272-00   | 239-43272-00   |
| 34   | Flame Sensor w/Gasket                     | 415-49654-00   | 415-49654-00   | 415-49654-00   | 415-49654-00   |
| 35   | Spark Rod w/Gasket                        | 415-49655-00   | 415-49655-00   | 415-49655-00   | 415-49655-00   |
| 36   | Gasket Spark Rod                          | 239-43370-00   | 239-43370-00   | 239-43370-00   | 239-43370-00   |
| 37   | Gasket Flame Sensor                       | 239-43371-00   | 239-43371-00   | 239-43371-00   | 239-43371-00   |
| 38   | Nut Hex Washer (6 req'd for Burner Plate) | 239-43297-00   | 239-43297-00   | 239-43297-00   | 239-43297-00   |
| 39   | Burner Tube Kit (2 gaskets req'd)         | --             | 265-49652-00   | 265-49652-00   | 265-49652-00   |
| 40   | Gasket Burner (2 req'd)                   | 239-49637-01   | 239-49637-02   | 239-49637-02   | 239-49637-02   |
| 41   | Assembly Sight Glass                      | 239-49170-00   | 239-49170-00   | 239-49170-00   | 239-49170-00   |
| 42   | Gasket Sight Glass                        | 239-49169-00   | 239-49169-00   | 239-49169-00   | 239-49169-00   |
| 43   | Ground Wire Assembly 24" Green            | 239-38951-83   | 239-38951-83   | 239-38951-83   | 239-38951-83   |
| 44   | Gas Valve and Venturi Assembly            | 243-49717-01   | 243-49717-02   | 243-49717-02   | 243-49891-00   |
| 45   | Gasket Venturi to Blower                  | 239-44654-00   | 239-44654-00   | 239-44654-00   | 239-44654-00   |
| 46   | Hose Tubing 3/16" ID (18" for U Models)   | 239-41718-00   | 239-41718-00   | 239-41718-00   | 239-41718-00   |
| 47   | Blower w/Gaskets                          | 415-48922-00   | 415-48922-00   | 415-48922-00   | 415-51310-00   |
| 48   | Gas Regulator Kit (Optional)              | 243-45517-00   | 243-45517-00   | 243-45517-00   | ---            |
| 49   | 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   |
| 50   | 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          | Model          | Model          | Model          |
|------|-------------------------------------------------|----------------|----------------|----------------|----------------|
|      |                                                 | U100L199E*N(A) | U100L270E*N(A) | U100L300E*N(A) | U100L399E*N(A) |
| 51   | Transformer 120V to 24V                         | 415-44072-01   | 415-44072-01   | 415-44072-01   | 415-44072-01   |
| 52   | Screw-8-18 X .25 (2 req'd)                      | 239-43573-00   | 239-43573-00   | 239-43573-00   | 239-43573-00   |
| 53   | Main Power Switch                               | 239-43234-00   | 239-43234-00   | 239-43234-00   | 239-43234-00   |
| 54   | Integrated Control Board                        | 415-46954-00   | 415-46954-00   | 415-46954-00   | 415-46954-00   |
| 55   | Control Display-Integrated Control              | 415-46557-00   | 415-46557-00   | 415-46557-00   | 415-46557-00   |
| 56   | Screw-#8-18 X .50 for Control Display (4 req'd) | 239-43736-00   | 239-43736-00   | 239-43736-00   | 239-43736-00   |
| 57   | T-Stat Sensor Harness                           | 239-49874-00   | 239-49874-00   | 239-49874-00   | 239-49874-00   |
| 58   | Blower/Circ./Damper Harness (Control Board)     | 239-49876-00   | 239-49876-00   | 239-49876-00   | 239-49876-00   |
| 59   | Flame Sensor Wire 19" Black                     | 239-38951-84   | 239-38951-84   | 239-38951-84   | 239-38951-84   |



## United States

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|                          |                                             |
|--------------------------|---------------------------------------------|
| <b>Sales</b>             | <b>1-800-523-2931</b>                       |
| <b>Technical Support</b> | <b>1-800-334-3393</b>                       |
| <b>Email</b>             | <b><i>techsupport@bradfordwhite.com</i></b> |
| <b>Warranty</b>          | <b>1-800-531-2111</b>                       |
| <b>Email</b>             | <b><i>warranty@bradfordwhite.com</i></b>    |
| <b>Service Parts</b>     | <b>1-800-538-2020</b>                       |
| <b>Email</b>             | <b><i>parts@bradfordwhite.com</i></b>       |

## Canada

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|                                 |                                             |
|---------------------------------|---------------------------------------------|
| <b>Sales</b>                    | <b>1-866-690-0961 1-905-203-0600</b>        |
| <b>Fax</b>                      | <b>905-636-0666</b>                         |
| <b>Warranty</b>                 | <b>1-800-531-2111</b>                       |
| <b>Email</b>                    | <b><i>warranty@bradfordwhite.com</i></b>    |
| <b>Technical Support</b>        | <b>1-800-334-3393</b>                       |
| <b>Email</b>                    | <b><i>techsupport@bradfordwhite.com</i></b> |
| <b>Service Parts and Orders</b> | <b><i>ca.orders@bradfordwhite.com</i></b>   |

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

## International

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|                        |                                               |
|------------------------|-----------------------------------------------|
| <b>General Contact</b> | <b><i>international@bradfordwhite.com</i></b> |
|------------------------|-----------------------------------------------|