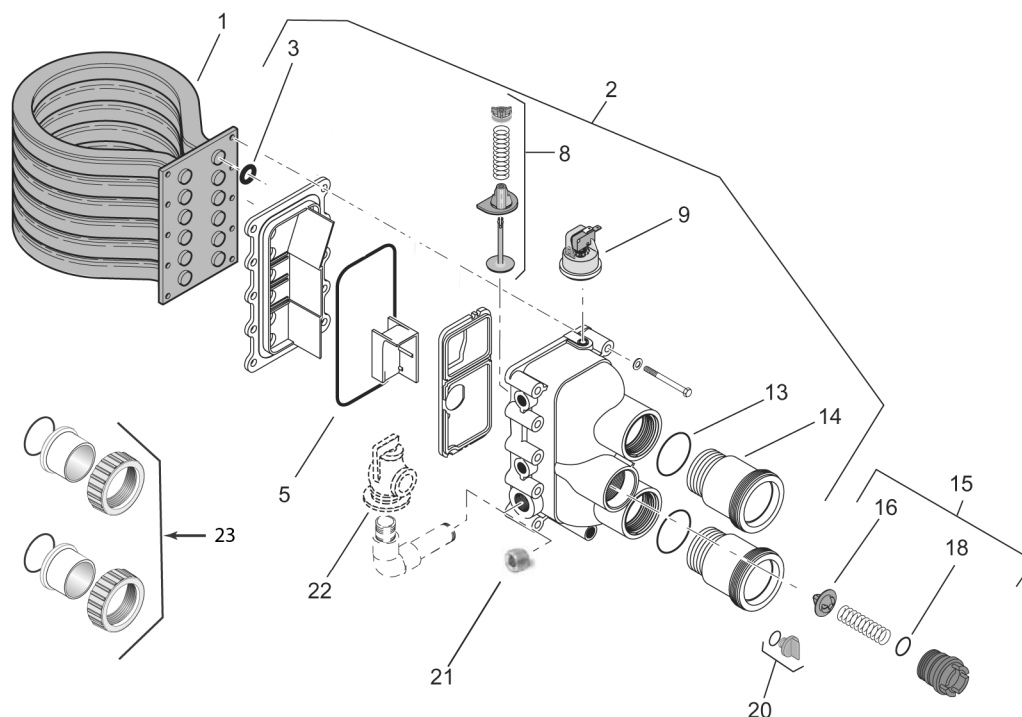


MASTERTEMP® HEATER

WATER SYSTEM REPLACEMENT PARTS



Item	Part No.	Description	US List	Can. List
WATER SYSTEM				
1	77707-0232	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 175NA, 175LP, 200NA, 200LP	799.29	823.27
1	474058	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 175NA, 175LP, 200NA, 200LP ¹	831.27	856.21
1	460747	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 250NA, 250LP	991.12	1,020.85
1	474059	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 250NA, 250LP ¹	1,023.11	1,053.80
1	77707-0233	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 300NA, 300LP	1,119.01	1,152.58
1	474060	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 300NA, 300LP ¹	1,150.99	1,185.52
1	77707-0234	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 400NA, 400LP	1,246.90	1,284.31
1	474061	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 400NA, 400LP ¹	1,374.78	1,416.02
1	77707-0244	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 400HDNA, 400HD-LP	2,014.23	2,074.66
1	474065	Tube Sheet Coil Assembly Kit (Includes Item No. 3) Models 400HDNA, 400HD-LP ¹	2,078.18	2,140.53
1	473710	Tube Sheet Coil Assembly Kit - HD Series - (Includes Item No. 3) Models 250HDNA, 250HD-LP	1,662.52	1,712.40
1	474063	Tube Sheet Coil Assembly Kit - HD Series - (Includes Item No. 3) Models 250HDNA, 250HD-LP ¹	1,694.51	1,745.35

¹ For Heaters Manufactured after 1/12/09 (New Tub Design).

Note: Kits include: O-Rings, Insulation, Igniter and Blower Gaskets.

MASTERTEMP® HEATER (CONT'D)

WATER SYSTEM REPLACEMENT PARTS

Item	Part No.	Description	US List	Can. List
WATER SYSTEM				
2	77707-0014	Manifold Kit (Includes Item Nos. 3-14, 21, and Item Nos. 5-7 in "Electrical System" Models 175NA, 175LP, 200NA, 200LP)	587.37	604.99
2	460748	Manifold Kit (Includes Item Nos. 3-14, 21, and Item Nos. 5-7 in "Electrical System" Models 250NA, 250LP)	546.38	562.77
2	77707-0015	Manifold Kit (Includes Item Nos. 3-14, 21, and Item Nos. 5-7 in "Electrical System" Models 300NA, 300LP)	587.37	604.99
2	77707-0016	Manifold Kit (Includes Item Nos. 3-14, 21, and Item Nos. 5-7 in "Electrical System" Models 400NA, 400LP)	587.37	604.99
2	474200	Basic Manifold Kit (Includes Item Nos. 3, 5, 10-14)	187.39	193.01
3	77707-0117	Coil/Tubesheet Sealing O-Ring Kit - Models 175NA, 175LP, 200NA, 200LP (6)	49.32	50.80
3	460749	Coil/Tubesheet Sealing O-Ring Kit - Models 250NA, 250LP (8)	49.32	50.80
3	77707-0118	Coil/Tubesheet Sealing O-Ring Kit - Models 300NA, 300LP (10)	49.32	50.80
3	77707-0119	Coil/Tubesheet Sealing O-Ring Kit - Models 400NA, 400LP (12)	49.32	50.80
8	77707-0001	Manifold Bypass Valve Kit	52.26	53.83
9	42001-0060S	Water Pressure Switch	75.44	77.70
9	473716Z	Water Pressure Switch (ASME)	279.86	288.26
13	U9-226	O-Ring	3.75	3.86
14	77707-0017	Connector Tube Kit (Includes 1 Connector Tube and 1 O-Ring)	50.12	51.62
15	77707-0010	Thermal Regulator Kit (Incl. Item Nos. 16, 17, 18, 19 and Spring Clip)	95.48	98.34
16	38000-0007S	Thermal Regulator (Includes Spring Clip)	65.77	67.74
18	35505-1313	Thermal Regulator Cap O-Ring	4.20	4.33
20	U178-920P	Drain Plug	3.05	3.14
21	U78-60ZPS	Zinc Plug 428-60 PS	5.82	5.99
22	473715Z	Pressure Relief Valve	144.14	148.46
23	PKG 188	2 in. Union Adapter Package (Includes 2)	27.83	28.66
	77707-0120	O-Ring Kit (Incl. Item Nos. 3, 5)	42.01	43.27
ASME KITS				
	472648Z	Bypass Access Plug (ASME)	338.71	348.87
	460940	Heat Exchanger Kit ² - 400 ASME	2,653.67	2,733.28
	474096	Heat Exchanger Kit ³ - 400 ASME	2,845.50	2,930.87
	474956	Heat Exchanger Kit ⁵ - 400 ASME		
	474953	Heat Exchanger Kit ⁵ - 400 HD ASME		
	474350	Heat Exchanger Kit ³ - 400 ASME HD	2,884.61	2,971.15
	460941	Heat Exchanger Kit ² - 250 ASME	2,397.89	2,469.83
	474097	Heat Exchanger Kit ³ - 250 ASME	2,557.75	2,634.48
	474954	Heat Exchanger Kit ⁵ - 200 ASME	CALL	CALL
	474955	Heat Exchanger Kit ⁵ - 200 HD ASME		
	474349	Heat Exchanger Kit ³ - 250 ASME HD	2,743.13	2,825.42
	460923	ASME Bypass Valve Kit ⁴ (Old header design)	294.44	303.27
	461007	ASME Bypass Valve Tool Kit ⁴ (Old header design)	178.45	183.80
	460924	Thermal Regulator Kit ⁴ (includes Spring clip, ASME, Old header design)	143.88	148.20

² For ASME Heaters Manufactured prior to 3/24/09 (Original Tub Design).

³ For ASME Heaters Manufactured after 3/24/09 (Tub Design w/Clamp Ring).

⁴ For ASME Heaters Manufactured prior to 10/2012 (Old Header Design).

⁵ For ASME Heaters Manufactured after 11/16/13 (New 9-Bolt Tub Design).

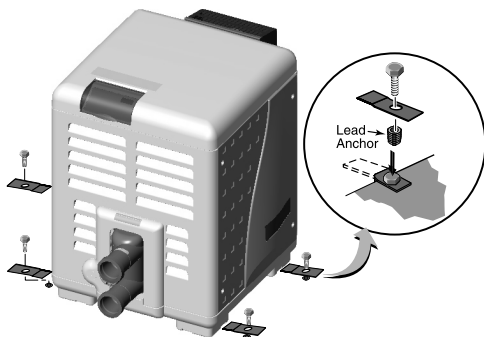
Note: Kits (New Tub Design) include: Clamp, O-Ring, Silicone Tube, and Insulation (ASME version only).

MASTERTEMP® HEATER (CONT'D)

BURNER SYSTEM REPLACEMENT PARTS

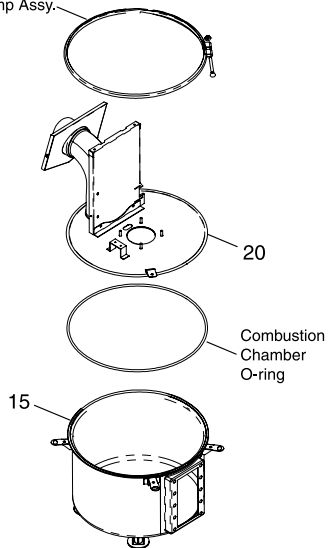


For Heater mounting bolts and clamps, purchase separately Bolt Down Bracket Kit, Part No. 460738.

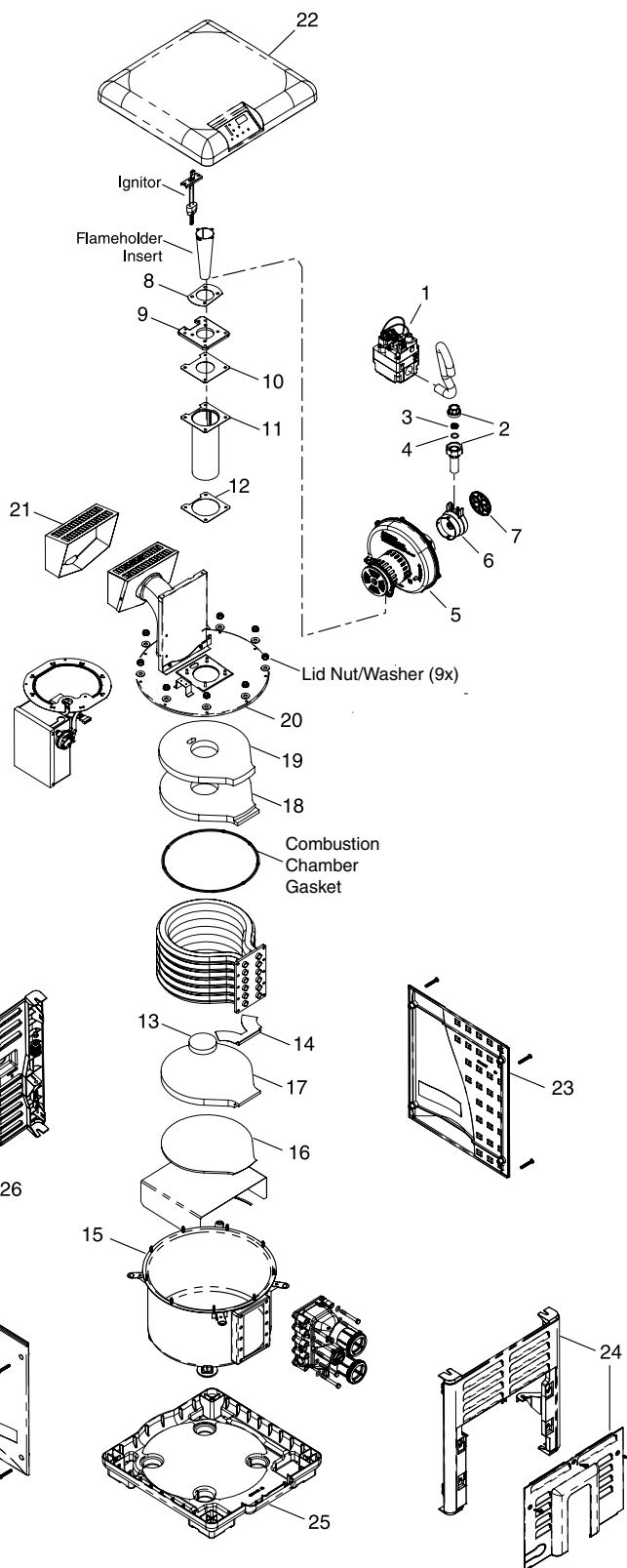


CLAMP LID TUB DESIGN

Combustion Chamber Clamp Assy.



For heaters manufactured between 1/12/2009 and 10/31/2013 (clamp lid tub design)
Note: Kits also include Clamp Assembly, O-Ring and Silicon Tube (see page 52)



MASTERTEMP® HEATER (CONT'D)

BURNER SYSTEM REPLACEMENT PARTS

Item	Part No.	Description	Qty.	US List	Can. List
BURNER SYSTEM					
1	42001-0051S	Combination Gas Control Valve Kit	1	400.73	412.75
2	38404-4097S	3/4 in. Union	2	32.88	33.87
5	77707-0250	Air Blower Kit - Natural Gas Units (Models 175NA)	1	757.69	780.42
5	77707-0251	Air Blower Kit - Natural Gas Units (Models 200NA)	1	757.70	780.43
5	460743	Air Blower Kit - Natural Gas Units (Models 250NA)	1	704.86	726.01
5	460757	Air Blower Kit - Natural Gas Units (Models 300NA)	1	704.85	726.00
5	77707-0253	Air Blower Kit - Natural Gas Units (Models 400NA)	1	757.70	780.43
5	77707-0254	Air Blower Kit - Propane Units (Models 175LP, 200LP)	1	757.70	780.43
5	460744	Air Blower Kit - Propane Units (Models 250LP)	1	704.85	726.00
5	460758	Air Blower Kit - Propane Units (Models 300LP)	1	704.85	726.00
5	77707-0256	Air Blower Kit - Propane Units (Models 400LP)	1	757.70	780.43
6	See Item #7	Item #6 included in Item #7			
7	460798	Air Orifice Kit - Model 175 (Includes Item Nos. 6 and 7)		39.46	40.64
7	77707-0111	Air Orifice Kit - Model 200 (Includes Item Nos. 6 and 7)	1	60.33	62.14
7	460745	Air Orifice Kit - Model 250 (Includes Item Nos. 6 and 7)		56.12	57.80
7	460759	Air Orifice Kit - Model 300 (Includes Item Nos. 6 and 7)		56.12	57.80
7	77707-0113	Air Orifice Kit - Model 400 (Includes Item Nos. 6 and 7)		60.33	62.14
15	42001-0200S	One Piece Metal Chamber/Combustion Chamber Assembly ³		403.80	415.91
15	474095	One Piece Metal Chamber/Combustion Chamber Assembly ¹		624.78	643.52
15	474957	One Piece Metal Chamber/Combustion Chamber Assembly ²		CALL	CALL
20	42001-0214S	One Piece Metal Elbow/Combustion Chamber Cover Assembly ³		CALL	CALL
20	474094	One Piece Metal Elbow/Combustion Chamber Cover Assembly ¹		706.98	728.19
20	474958	One Piece Metal Elbow/Combustion Chamber Cover Assembly ²		CALL	CALL
20a	474201	Tub O-Ring Kit ¹		44.46	45.79
20b	474952	Tub O-Ring Kit ²		CALL	CALL
21	42002-0005S	Metal Vent Cover		120.62	124.24
22	42002-0034Z	Heater Top		321.76	331.41
23	42002-0039Z	Side Panel (Service Panel) with 4 clips and 4 screws		314.71	324.15
24	42002-0033Z	Side Panel (Manifold)		314.69	324.13
25	42002-0031Z	Heater Bottom		147.97	152.41
26	42002-0032Z	Side Panel (Flue Stack)		237.85	244.99
27	42002-0041Z	J Box Cover		16.44	16.93
28	474292	7 ea clips and 3 ea screws		CALL	CALL
NOT SHOWN					
	461002	Gas Orifice Kit - NG, Model 175 (Incl. Item Nos. 3 and 4) *		50.18	51.69
	77707-0431	Gas Orifice Kit - NG, Model 200 (Incl. Item Nos. 3 and 4) *	1	50.18	51.69
	460739	Gas Orifice Kit - NG, Model 250 (Incl. Item Nos. 3 and 4) *		46.66	48.06
	460753	Gas Orifice Kit - NG, Model 300 (Incl. Item Nos. 3 and 4) ¹		46.66	48.06

Item	Part No.	Description	Qty.	US List	Can. List
	77707-0411	Gas Orifice Kit - NG, Model 400 (Incl. Item Nos. 3 and 4) *		50.18	51.69
	460797	Gas Orifice Kit - Propane, Model 175 (Incl. Item Nos. 3 and 4) *		75.00	77.25
	77707-0461	Gas Orifice Kit - Propane, Model 200 (Incl. Item Nos. 3 and 4) *	1	50.18	51.69
	460740	Gas Orifice Kit - Propane, Model 250 (Incl. Item Nos. 3 and 4) *		46.66	48.06
	460754	Gas Orifice Kit - Propane, Model 300 (Incl. Item Nos. 3 and 4) *		46.66	48.06
	77707-0441	Gas Orifice Kit - Propane, Model 400 (Incl. Item Nos. 3 and 4) *		50.18	51.69
	460794	NG to Propane Conversion Kit Model 175 (Incl. Item Nos. 3 and 4) *		69.38	71.46
	77707-1461	NG to Propane Conversion Kit Model 200 (Incl. Item Nos. 3 and 4) *	1	51.87	53.43
	460741	NG to Propane Conversion Kit Model 250 (Incl. Item Nos. 3 and 4) *		48.25	49.70
	460755	NG to Propane Conversion Kit Model 300 (Incl. Item Nos. 3 and 4) *		48.25	49.70
	77707-1441	NG to Propane Conversion Kit Model 400 (Incl. Item Nos. 3 and 4) *		51.87	53.43
	460795	Propane to NG Conversion Kit Model 175 (Incl. Key Nos. 3 and 4) *		69.38	71.46
	77707-1431	Propane to NG Conversion Kit Model 200 (Incl. Key Nos. 3 and 4) *	1	51.87	53.43
	460742	Propane to NG Conversion Kit Model 250 (Incl. Key Nos. 3 and 4) *		48.25	49.70
	460756	Propane to NG Conversion Kit Model 300 (Incl. Key Nos. 3 and 4) *		48.25	49.70
	77707-1411	Propane to NG Conversion Kit Model 400 (Incl. Key Nos. 3 and 4) *		51.87	53.43
	77707-0011	Blower/Adapter Plate Gasket Kit (Includes Item Nos. 8, 9, 10, 12)	1	59.44	61.22
	77707-0202	Flameholder Kit - Model 175, Model 200 (Includes Item Nos. 10, 11, 12 & 13)	1	141.21	145.45
	460746	Flameholder Kit - Model 250 (Includes Item Nos. 10, 11, 12 & 13 and Flameholder insert)		131.35	135.29
	77707-0203	Flameholder Kit - Model 300 (Includes Item Nos. 10, 11, 12, 13 & Flameholder Insert)		158.86	163.63
	77707-0204	Flameholder Kit - Model 400 (Includes Item Nos. 10, 11, 12, 13 & Flameholder Insert)		185.34	190.90
	77707-0008	Insulation Kit (Includes Item Nos. 13, 14, 16, 17, 18, 19)	1	143.88	148.20
	42001-0074S	Lower Enclosure Insulation		50.54	52.06
	42001-0214S	Metal Vent Cover Assembly		CALL	CALL

* Not included with heater. Order separately.

¹ For Heaters Manufactured Between 1/12/09 and 10/31/13 (Clamp lid tub design).

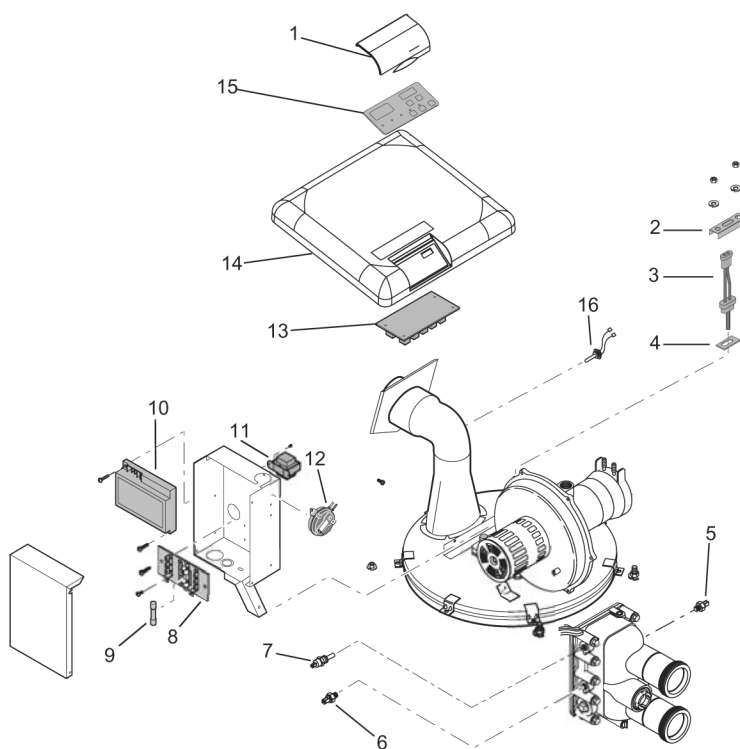
² For Heaters Manufactured After 11/16/13 (New 9-bolt lid tub design).

³ For Heaters Manufactured before 1/12/09

Note: Kits include Clamp Assembly, O-Ring, and Silicone Tube.

MASTERTEMP® HEATER (CONT'D)

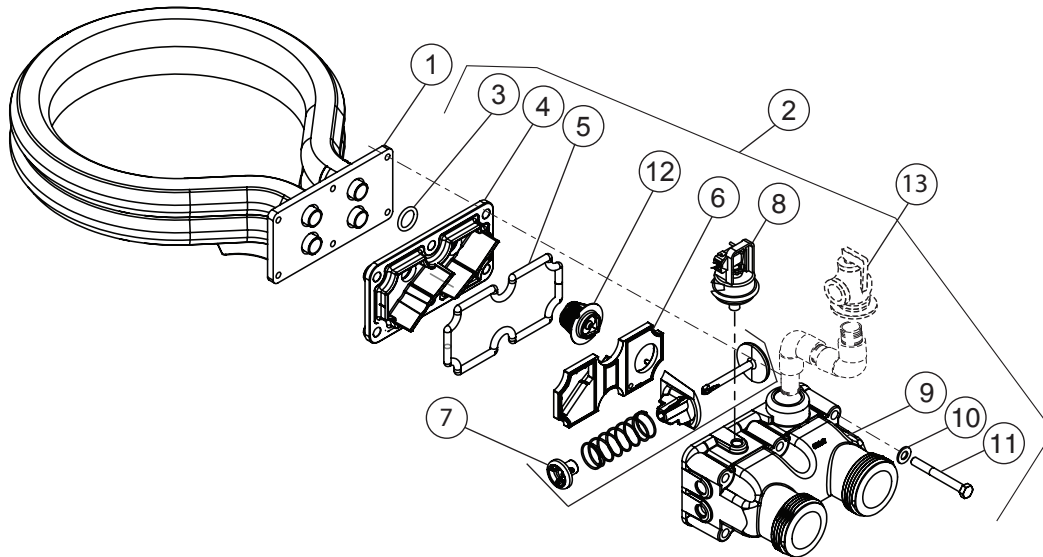
ELECTRICAL SYSTEM REPLACEMENT PARTS



Item	Part No.	Description	US List	Can. List
ELECTRICAL SYSTEM				
1	42002-0035Z	Heater Display Cover	49.32	50.80
2	42001-0030S	Igniter Bracket	49.32	50.80
3	77707-0054	Igniter/Igniter Gasket Kit, Incl. Item Nos. 3 and 4)	76.43	78.72
4	42001-0066S	Igniter Gasket	49.32	50.80
5	42002-0025S	Automatic Gas Shutoff Switch (AGS)	47.00	48.41
6	42001-0063S	High Limit Switch	57.15	58.86
7	42001-0053S	Thermistor	73.00	75.19
8	42001-0056S	Terminal Board	49.32	50.80
9	32850-0099	Fireman's Switch Fuse (1.25A, 1-1/4 in.)	6.90	7.11
10	42001-0052S	Ignition Control Module	306.45	315.64
11	42001-0107S	Transformer, 115/230V	62.34	64.21
12	42001-0061S	Air Flow Switch	126.38	130.17
13	42002-0007S	Control Board Kit (NA, LP Series)	580.20	597.61
14	42002-0034Z	Heater, Top	321.76	331.41
15	472610Z	Membrane Pad (NA, LP Series)	126.63	130.43
16	42002-0024S	Stack Flue Sensor	109.83	113.12
NOT SHOWN				
	42001-0104S	Heater Wiring Harness -115/230V	304.10	313.22
	42001-0105S	120/240 Volt Plug Kit	49.32	50.80

MASTERTEMP® 125 HEATER

WATER SYSTEM REPLACEMENT PARTS



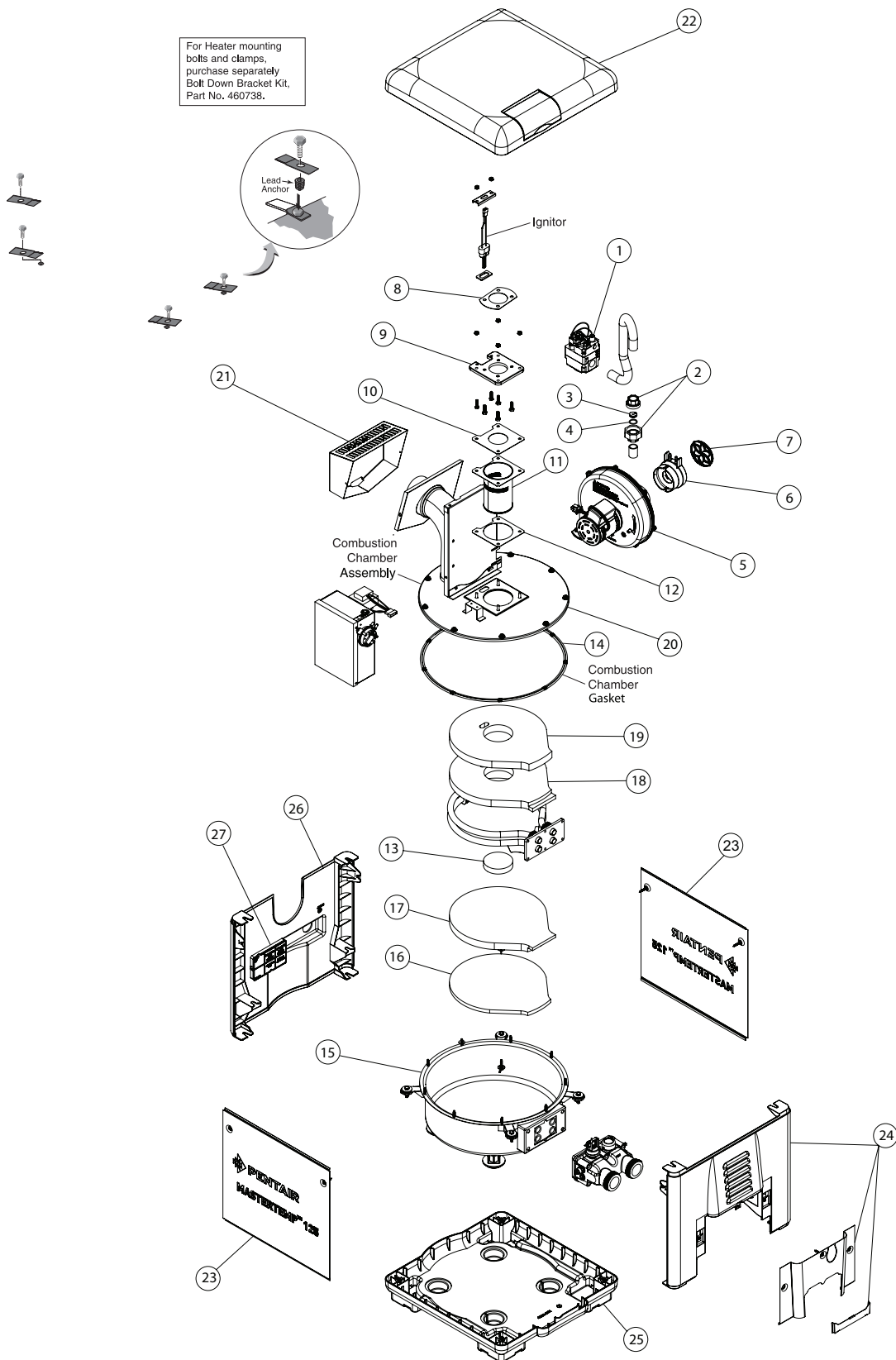
Item	Part No.	Description	US List	Can. List
WATER SYSTEM				
1	474971	Tube Sheet Coil Assembly Kit - Includes Item #3. (NA, LP Series)	CALL	CALL
2	474972	Manifold Kit (Includes Item #3-11; Item #13 not included)	CALL	CALL
3	474973	Coil/Tubesheet Sealing O-Ring Kit	CALL	CALL
4		Manifold Bottom Plate *	CALL	CALL
5		Manifold O-Ring *	CALL	CALL
6		Manifold Baffle Plate *	CALL	CALL
7		Manifold Bypass Valve *	CALL	CALL
8	42001-0060S	Water Pressure Switch	75.44	77.70
9		Manifold *	CALL	CALL
10		5/16" Washer, S.S. *	CALL	CALL
11		5/16 x 18 x 2-3/4" Hex Cap Screw *	CALL	CALL
12	474989	Thermal Regulator	CALL	CALL
13	473715	Pressure Relief Valve (Recommended-Purchased Separately)	144.14	148.46

Note: Kits include: O-Rings, Insulation, Igniter and Blower Gaskets.

* Not available separately. See item #2.

MASTERTEMP® 125 HEATER (CONT'D)

BURNER SYSTEM REPLACEMENT PARTS



MASTERTEMP® 125 HEATER (CONT'D)

BURNER SYSTEM REPLACEMENT PARTS



Item	Part No.	Description	Qty.	US List	Can. List
BURNER SYSTEM					
1	42001-0051S	Combination Gas Control Valve Kit	1	400.73	412.75
2	38404-4097S	3/4 in. Union	2	32.88	33.87
5	474978	Air Blower Kit - Natural Gas	1	CALL	CALL
5	474977	Air Blower Kit - Propane	1	CALL	CALL
6	474979	Air Orifice Kit (Incl. Item Nos. 6, 7)	1	CALL	CALL
14	474952	Combustion Chamber Gasket Kit	1	CALL	CALL
15	474990	One Piece Metal Chamber/Combustion Chamber Assembly	1	CALL	CALL
20	474958	One Piece Metal Elbow/Combustion Chamber Cover Assembly, 9-Bolt	1	416.64	445.80
21	42002-0005S	Metal Vent Cover	1	120.62	124.24
22	42002-0034Z	Heater Top	1	321.76	331.41
23	474991	Side Panel (Service Panel)	1	314.71	324.15
24	474992	Side Panel (Manifold)	1	314.69	324.13
25	42002-0031Z	Heater Bottom	1	147.97	152.41
26	474993	Side Panel (Flue Stack)	1	237.85	244.99
27	42002-0041Z	J Box Cover	1	16.44	16.93
28	474292	8 ea clips and 8 ea screws	1	CALL	CALL

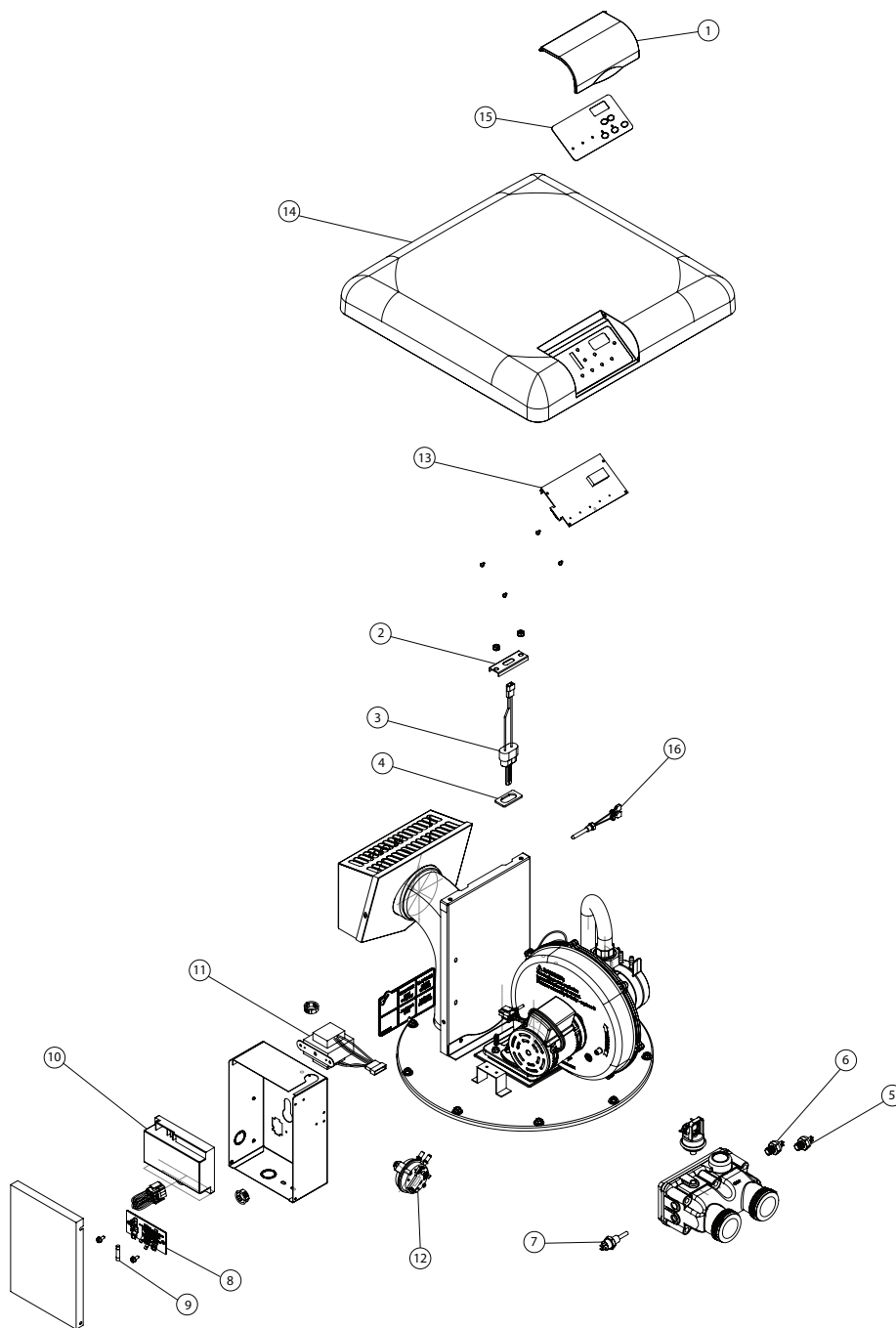
Item	Part No.	Description	Qty.	US List	Can. List
NOT SHOWN					
	474981	Gas Orifice Kit - NG (Incl. Item Nos. 3 and 4) **		CALL	CALL
	474980	Gas Orifice Kit - Propane (Incl. Item Nos. 3 and 4) **		CALL	CALL
	461063	Propane to NG Conversion Kit (Incl. Item Nos. 3 and 4) **		CALL	CALL
	461062	Gas Orifice Kit - NG to Propane Conversion Kit (Incl. Item Nos. 3 and 4) **		CALL	CALL
	77707-0011	Blower/Adapter Plate Gasket Kit (Incl. Item Nos. 8, 9, 10, 12)		59.44	61.22
	474994	Flameholder Kit (Incl. Item Nos. 10, 11, 12, 13)		CALL	CALL
	77707-0008	Insulation Kit (Incl. Item Nos. 13, 14, 16, 17, 18, 19)		143.88	148.2

* Not available separately.

** Not included with heater. Order separately.

MASTERTEMP® 125 HEATER (CONT'D)

ELECTRICAL SYSTEM REPLACEMENT PARTS



MASTERTEMP® 125 HEATER (CONT'D)

ELECTRICAL SYSTEM REPLACEMENT PARTS



Item	Part No.	Description	US List	Can. List
ELECTRICAL SYSTEM				
1	42002-0035Z	Heater Display Cover	49.32	50.80
2	42001-0030S	Igniter Bracket	49.32	50.80
3	77707-0054	Igniter/Igniter Gasket Kit, Incl. Item Nos. 3 and 4)	76.43	78.72
4	42001-0066S	Igniter Gasket	49.32	50.80
5	474368S	Automatic Gas Shutoff Switch (AGS)	47.00	50.29
6	474367S	High Limit Switch	57.14	61.14
7	42001-0053S	Thermistor	73.00	75.19
8	42001-0056S	Terminal Board	49.32	50.80
9	32850-0099	Fireman's Switch Fuse (1.25A, 1-1/4 in.)	6.90	7.11
10	42001-0052S	Ignition Control Module	306.45	315.64
11	42001-0107S	Transformer, 115/230V	62.34	64.21
12	42001-0061S	Air Flow Switch	126.38	130.17
13	42002-0007S	Control Board Kit (NA, LP Series)	580.20	597.61
14	42002-0034Z	Heater, Top	321.76	331.41
15	472610Z	Membrane Pad (NA, LP Series)	126.63	130.43
16	42002-0024S	Stack Flue Sensor	109.83	113.12
NOT SHOWN				
	42001-0104S	Heater Wiring Harness -115/230V	304.10	313.22
	42001-0105S	120/240 Volt Plug Kit	49.32	50.80