



**RESIDENTIAL AND LIGHT DUTY
COMMERCIAL GAS REPLACEMENT PARTS LIST**

**High Performance Energy Saver (GX)
Non-Defender Energy Saver M(1,1,2)(XR)(65,75,100) Gallon
Light Duty Energy Saver**



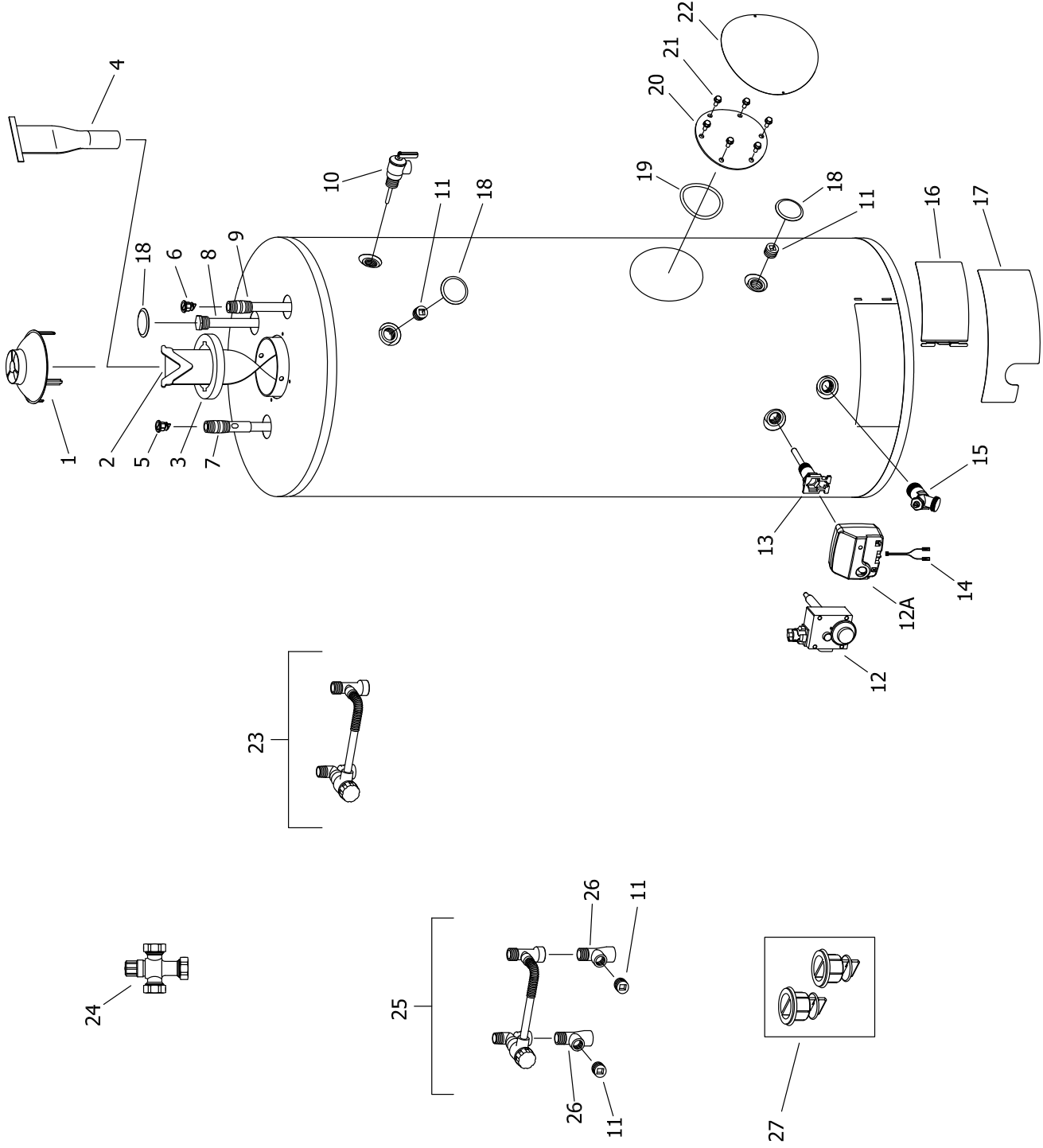
GX Model Shown

Includes Hydrojet[®]
Total Performance System

***Effective: APRIL 24, 2009
ECO 7421***

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

Dimensions and specifications
subject to change without notice.



Item	Description	Model	Model	Model	Model	Model	Model
1	Draft Diverter	GX225S*(BN,SX)	GX155S*(BN,SX)	M1XR65T*(EN,BN,SX,CX)	M175S*(BN,SX,CX,CN)	M2XR75S*(BN,SX,CX,CN)	
2	Flue Baffle	243-33081-02-20	243-33081-02-20	243-33081-02-20	243-33081-02-20	243-33081-02-20	239-12950-00
3	Flue Reducer	243-42572-00	243-42572-00	243-42572-00	243-42572-00	243-42572-00	243-42557-00
4	Flue Core	239-45676-00	239-45676-00	239-45676-00	239-45676-00	239-45676-00	243-36920-00
5	Heat Trap Insert (Outlet)			239-45167-00			
6	Heat Trap Insert (Inlet)			239-45073-00			
7	Hot Water Outlet Anode Magnesium ²	224-32731-101	224-32731-101	224-32731-101	224-32731-83	224-32731-83	
	Hot Water Outlet Anode Aluminum ²	224-32999-21	224-32999-21	224-32999-21	224-32999-07	224-32999-07	
	Hot Water Outlet Anode A420 Aluminum ²	224-45147-02	224-45147-02	224-45147-02	224-45147-01	224-45147-01	
8	Plug type Anode Magnesium	224-32758-19	224-32758-19	224-32758-19			224-32758-07
	Plug type Anode Aluminum	224-38508-03	224-38508-03	224-38508-03			224-38508-03
9	Cold Water Inlet Diptube Polypropylene ³	229-39625-08	229-39625-08	229-39625-08	229-47056-01	229-47056-01	229-47056-01
	Cold Water Inlet Diptube Polysulfone (NC Code) ³	229-45092-02	229-45092-02	229-45092-02	229-39628-08	229-47040-01	229-47040-01
10	T&P Relief Valve	230-40594-02	230-40594-02	230-32920-01	230-32920-01	230-32920-01	230-40594-02
11	3/4" NPT Plug	239-11638-00	239-11638-00	239-11638-00	239-11638-00	239-11638-00	239-11638-00
12	White Rodgers Combination Gas Valve Natural Gas	265-47444-02	265-47444-01	265-47444-01	265-46181-03	265-46181-03 °	265-40251-03 °
	White Rodgers Combination Gas Valve LP Gas	265-47445-02	265-47445-01	265-47445-01	265-46182-03	265-40258-02 °	265-40258-03 °
12A	Honeywell Combination Gas Valve Natural Gas (with service tool)					239-46990-01 ¹	239-46990-01 ¹
	Honeywell Combination Gas Valve LP Gas (with service tool)					239-46991-01 ¹	239-46991-01 ¹
13	Thermowell					233-45651-01 ¹	233-45651-02 ¹
14	Intermediate Harness					239-46995-00 ¹	239-46995-00 ¹
15	Brass Drain Valve	265-42351-02	265-42351-02	265-42351-02	265-42351-02	265-42351-02	265-42351-02
16	Inner Door Complete	243-46049-00	243-46049-00	243-36739-02	243-39207-00	243-39207-00	243-39207-00
17	Outer Door	243-41061-00	243-41061-00	243-41061-00	243-37177-00	243-37177-00	243-37177-00
18	Hole Closure	239-31547-02	239-31547-02	239-31547-02	239-31547-02	239-31547-02	239-31547-02
19	Cleanout O-Ring Gasket						
20	Cleanout Cover						
21	Cleanout Cover Screw (Qty. 6)						
22	Cleanout Access Cover						
23	Kit-Integrated Mixing Device (The Optimizer)	239-46225-02	239-46225-02	239-46225-02			
24	ASSE Approved Mixing Device (Optional)						
25	Kit-Alternate Temperature Water Outlet						
26	Street Tee 3/4" NPT						
27	Kit-Heat Trap Insert						

*All warranties

**Ordering a complete burner assy may increase delivery time.

Please order the specific component req'd for the quickest delivery

¹ Serial # prior to EF10694503

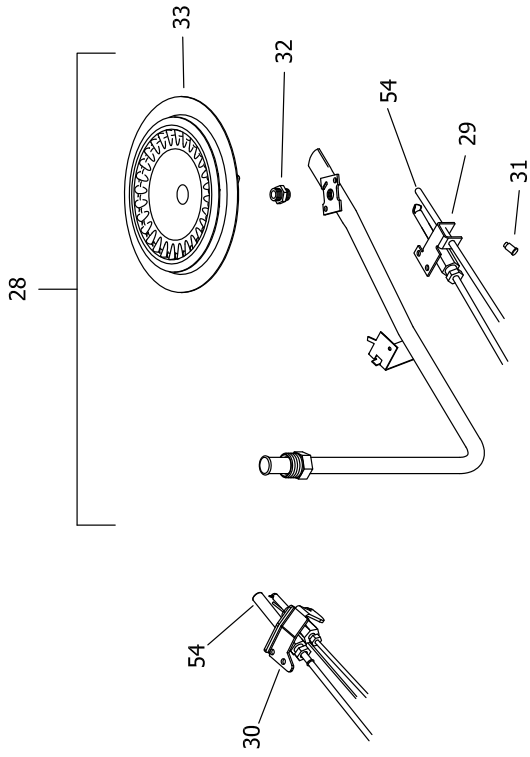
² Order with item 5

³ Order with item 8

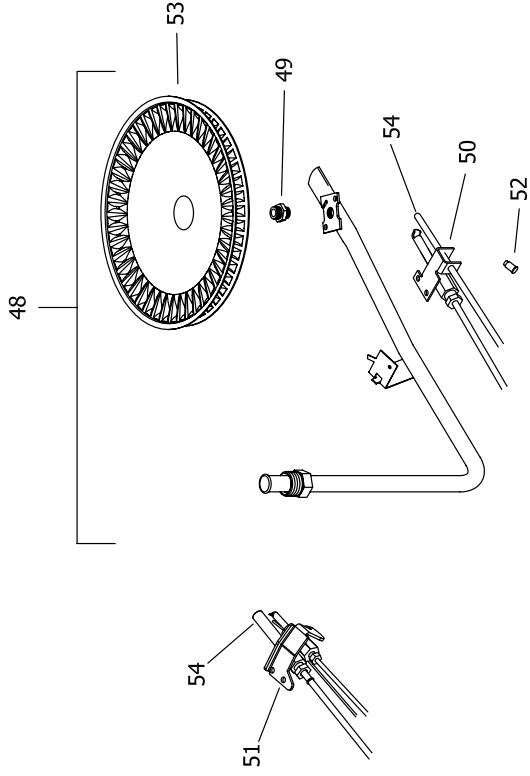
⁴ Serial # prior to FE11932653

⁵ Serial # FE11932654 and after

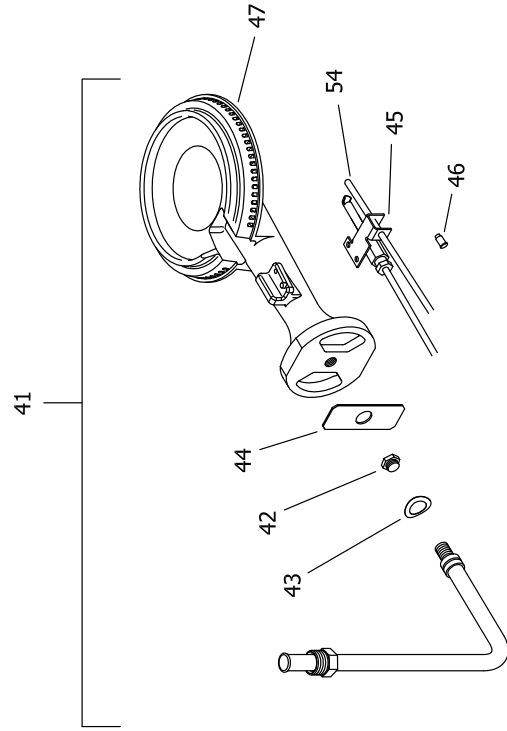




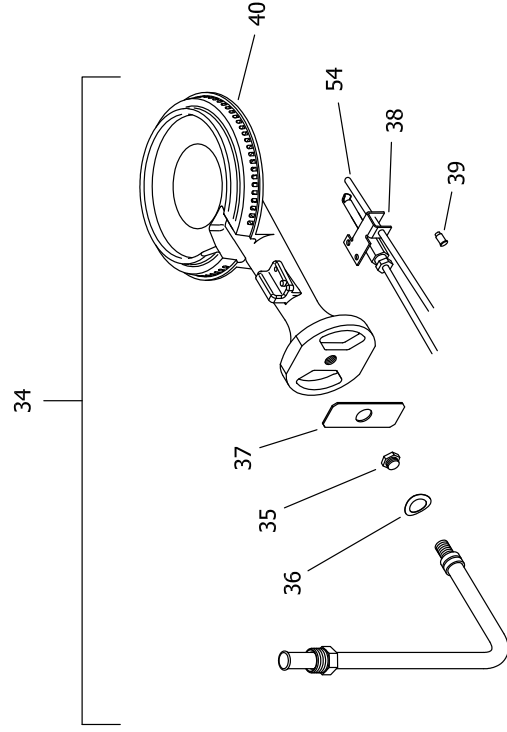
NATURAL GAS (BN) BURNER ASSEMBLY



LP GAS (SX) BURNER ASSEMBLY



NATURAL GAS (CN) BURNER ASSEMBLY



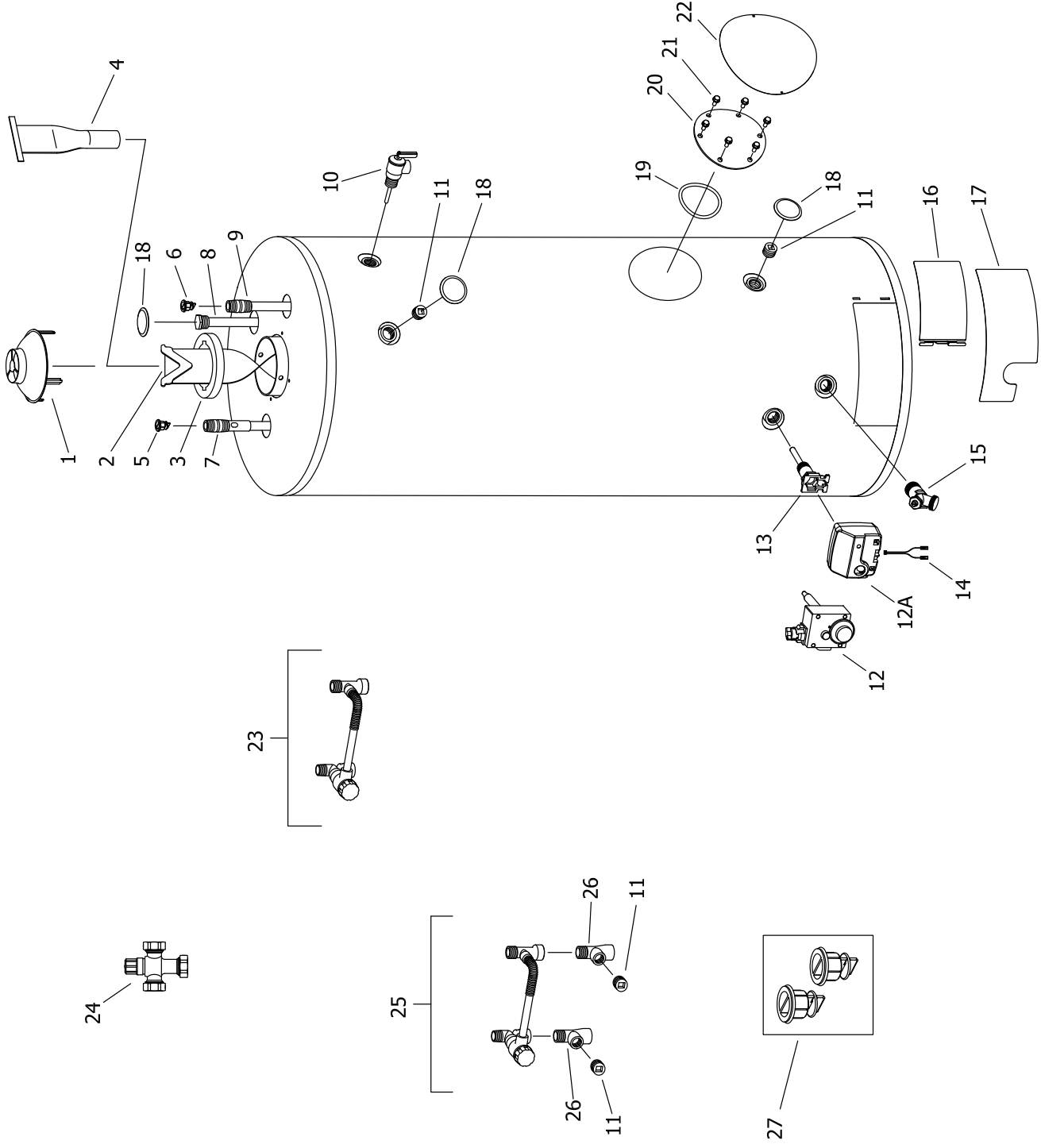
LP GAS (CX) BURNER ASSEMBLY

LP GAS (SX) BURNER ASSEMBLY TO REPLACE LP GAS (CX) BURNER ASSEMBLY
ON ALL MODELS EXCEPT 75 & 100 GAL. MODELS

Item	Description	Model	Model	Model	Model	Model	Model
		GX225S*(BN, SX)	GX155S*(BN, SX)	M1XR65T*(EN, BN, SX, CX)	M175S*(BN, SX, CX, CN)	M2XR75S*(BN, SX, CX, CN)	
Natural Gas BN Burner Assembly							
28	Nat. Gas Burner Assembly Complete (Honeywell)**	---	---	---	265-46998-03-22 ¹	265-46998-01-22 ¹	
29	Nat. Gas Burner Assembly Complete (White Rodgers)**	265-46004-01-21	265-46004-03-20	265-47439-08-27	265-43979-02-22 ^o	265-43979-03-21 ^o	
30	Nat. Gas Pilot Assembly (White Rodgers)	233-40248-05	233-40248-05	233-40248-05	233-40248-05 ^o	233-40248-05 ^o	
31	Nat. Gas Pilot Assembly Kit (Honeywell)	---	---	---	239-47449-01 ¹	239-47449-01 ¹	
32	Nat. Gas Pilot Orifice (Honeywell)	---	---	---	234-47098-01 ¹	234-47098-01 ¹	
33	Nat. Gas Pilot Orifice (White Rodgers)	234-46502-03	234-46502-03	234-46502-03	234-46502-03 ^o	234-46502-03 ^o	
34	Nat. Gas Main Burner Orifice (0ft to 2000ft)	234-41034-21	234-41034-20	234-41034-27	234-41034-22	234-41034-22	
35	Nat. Gas High Altitude (200ft to 5000ft)	234-41034-24	234-41034-22	234-41034-29	234-41034-26	234-41034-26	
36	Nat. Gas High Altitude (500ft to 8000ft)	234-41034-24	234-41034-22	234-41034-30	234-41034-26	234-41034-26	
37	Nat. Gas High Altitude (800ft & above)	234-41034-28	234-41034-27	234-41034-31	234-41034-30	234-41034-30	
38	Spring Washer	228-42506-00	228-42506-00	228-42506-00	228-42506-00	228-42506-00	
LP Gas CX Burner Assembly							
39	LP Gas Cast Iron Burner Assembly Complete **	---	---	SEE ITEM 50	265-41876-32-38 ^o	265-41876-32-38 ^o	
40	LP Gas Main Burner Orifice (0ft to 2000ft)	---	---	SEE ITEM 50	234-35928-38 ^o	234-35928-38 ^o	
41	LP Gas High Altitude (200ft to 5000ft)	---	---	SEE ITEM 50	234-35928-42 ^o	234-35928-42 ^o	
42	LP Gas High Altitude (500ft to 8000ft)	---	---	SEE ITEM 50	234-35928-43 ^o	234-35928-43 ^o	
43	LP Gas High Altitude (800ft & above)	---	---	SEE ITEM 50	234-35928-43 ^o	234-35928-43 ^o	
44	Air Shutter	---	---	SEE ITEM 50	239-40729-00	239-40729-00	
45	LP Gas Pilot Assembly	---	---	SEE ITEM 50	239-35466-00	239-35466-00	
46	LP Gas Pilot Orifice	---	---	SEE ITEM 50	233-40261-03 ^o	233-40261-03 ^o	
47	LP Gas Cast Iron Burner	---	---	SEE ITEM 50	234-46502-01 ^o	234-46502-01 ^o	
Natural Gas CN Burner Assembly							
48	Nat. Gas Cast Iron Burner Assembly Complete **	---	---	---	265-36084-37-24	265-41870-16-24	
49	Nat. Gas Main Burner Orifice (0ft to 2000ft)	---	---	---	234-18194-24	234-18194-24	
50	Nat. Gas High Altitude (200ft to 5000ft)	---	---	---	234-18194-26	234-18194-26	
51	Nat. Gas High Altitude (500ft to 8000ft)	---	---	---	234-18194-26	234-18194-26	
52	Nat. Gas High Altitude (800ft & above)	---	---	---	234-18194-30	234-18194-30	
53	Spring Washer	---	---	---	239-40729-00	239-40729-00	
54	Air Shutter	---	---	---	239-35466-00	239-35466-00	
55	Nat. Gas Pilot Assembly	---	---	---	233-40248-05	233-40248-05	
56	Nat. Gas Pilot Orifice	---	---	---	234-46502-03	234-46502-03	
57	Nat. Gas Cast Iron Burner	---	---	---	228-14173-00	228-14173-00	
LP Gas SX Burner Assembly							
58	LP Gas Burner Assembly Complete**	265-47037-01-38	265-47037-03-38	265-47440-14-43	265-47011-03-38	265-47011-02-38	
59	LP Gas Main Burner Orifice (0ft to 2000ft)	234-47064-38	234-47064-38	234-47064-43	234-47064-38	234-47064-38	
60	LP Gas High Altitude (200ft to 5000ft)	234-47064-42	234-47064-42	234-47064-44	234-47064-42	234-47064-42	
61	LP Gas High Altitude (500ft to 8000ft)	234-47064-43	234-47064-43	234-47064-47	234-47064-43	234-47064-43	
62	LP Gas High Altitude (800ft & above)	234-47064-43	234-47064-43	234-47064-47	234-47064-43	234-47064-43	
63	LP Gas Pilot Assembly (White Rodgers)	233-40261-03	233-40261-03	233-40261-03	---	---	
64	Kit-LP Gas Pilot Assembly (Honeywell)	---	---	---	239-47449-02 ¹	233-47449-02 ¹	
65	LP Gas Pilot Orifice	233-46502-01	234-46502-01	234-46502-01	234-47098-02 ¹	234-47098-02 ¹	
66	LP Gas SX Burner	228-46938-00	228-46938-00	228-47000-00	228-46938-00 ¹	228-46938-00 ¹	
67	Kit-Thermopile	---	---	---	239-47446-00 ¹	239-47446-00 ¹	
68	Thermocouple	233-46501-24	233-46501-24	233-46501-24	233-46501-24 ^o	233-46501-24 ^o	
69	Kit-LP to NAT conversion (0ft to 2000ft)	265-45713-03	265-45713-04	265-45713-01	265-47452-01	265-47452-03	
70	Kit-LP to NAT conversion (2000ft to 5000ft)	265-45713-05	265-45713-06	265-45713-02	265-47452-02	265-47452-04	

*All warranties
 **Ordering a complete burner assembly may increase delivery time.
 Please order the specific component required for the quickest delivery
^o Serial # prior to EF10694503
¹ Serial # EF10694504 through FD11847877
² Order with item 5
³ Order with item 6
⁴ Serial # prior to FE11932653
⁵ Serial # FE11932654 and after





Item	Description	Model	Model	Model	Model	Model	Model	Model	Model
1	Draft Diverter	M1100T*(BN,CX,CN)	25X78(B,S)3(N,X)	55X80(B,S)3(N,X)	65T65*(B,E)*(N,X)	75T80*(B,S)*(N,X)	100T88*(B)*(N,X)		
2	Flue Baffle	243-33081-01-20	243-33081-02-20	243-33081-02-20	243-33081-02-20	243-33081-02-20	243-33081-01-20		
3	Flue Reducer	243-36920-00	243-42572-00	243-42572-00	243-36920-00	243-36920-00	243-36920-00		
4	Flue Core		239-45676-00	239-45676-00					
5	Heat Trap Insert (Outlet)				239-45167-00				
6	Heat Trap Insert (Inlet)				239-45073-00				
7	Hot Water Outlet Anode Magnesium ²		224-32731-101	224-32731-101	224-32731-83				
	Hot Water Outlet Anode Aluminum ²		224-32999-21	224-32999-21	224-32999-07				
	Hot Water Outlet Anode A420 Aluminum ²		224-45147-02	224-45147-02	224-45147-01				
8	Plug type Anode Magnesium	224-32758-14	224-32758-19	224-32758-19		224-32758-07	224-32758-14		
	Plug type Anode Aluminum	224-38508-07	224-38508-03	224-38508-03		224-38508-01	224-38508-07		
9	Cold Water Inlet Diptube Polypropylene ³				229-39625-04				
	Cold Water Inlet Diptube Polysulfone (NC Code) ³	229-46993-01	229-45092-02	229-45092-02	229-39628-04	229-47040-01	229-46993-01		
10	T&P Relief Valve	230-40594-02	230-40594-02	230-40594-02	230-32920-01	230-40594-02	230-40594-02		
11	3/4" NPT Plug	239-11638-00	239-11638-00	239-11638-00	239-11638-00	239-11638-00	239-11638-00		
12	White Rodgers Combination Gas Valve Natural Gas	265-40251-07 ⁴	265-47444-02	265-47444-01	265-46365-01	265-46365-02 ^o	265-46365-04 ⁴		
	White Rodgers Combination Gas Valve LP Gas	265-40258-06 ⁴	265-47445-02	265-47445-01	265-46366-01	265-46366-02 ^o	265-46366-03 ⁴		
12A	Honeywell Combination Gas Valve Natural Gas (with service tool)	239-46990-01 ⁵				239-46990-02 ¹	239-46990-02 ⁵		
	Honeywell Combination Gas Valve LP Gas (with service tool)	239-46991-01 ⁵				239-46991-02 ¹	239-46991-02 ⁵		
13	Thermowell	233-45651-02 ⁵				233-45651-02 ¹	233-45651-02 ⁵		
14	Intermediate Harness	239-46995-00 ⁵				239-46995-00 ¹	239-46995-00 ⁵		
15	Brass Drain Valve	265-42351-04	265-42351-02	265-42351-02	265-42351-02	265-42351-02	265-42351-04		
16	Inner Door Complete	243-39207-00	243-46049-00	243-46049-00	243-36739-02	243-39207-00	243-39207-00		
17	Outer Door	243-37177-00	243-41061-00	243-41061-00	243-41061-00	243-37177-00	243-37177-00		
18	Hole Closure	239-31547-02	239-31547-02	239-31547-02	239-31547-02	239-31547-02	239-31547-02		
19	Cleanout O-Ring Gasket	205-18427-00					205-18427-00		
20	Cleanout Cover	205-18428-00					205-18428-00		
21	Cleanout Cover Screw (Qty. 6)	239-82166-00					239-82166-00		
22	Cleanout Access Cover	243-20299-00					243-20299-00		
23	Kit-Integrated Mixing Device (The Optimizer)		239-46225-02	239-46225-02					
24	ASSE Approved Mixing Device (optional)								
25	Kit-Alternate Temperature Water Outlet	239-43740-01	243-46414-02	243-46414-02	239-43740-01	239-43740-01	239-43740-01		
26	Street Tee 3/4" NPT		239-46332-00	239-46332-00					
27	Kit-Heat Trap Insert		239-46332-00	239-46332-00	265-45420-00				

*All warranties

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Please order the specific component req'd for the quickest delivery

^o Serial # prior to EF10694503

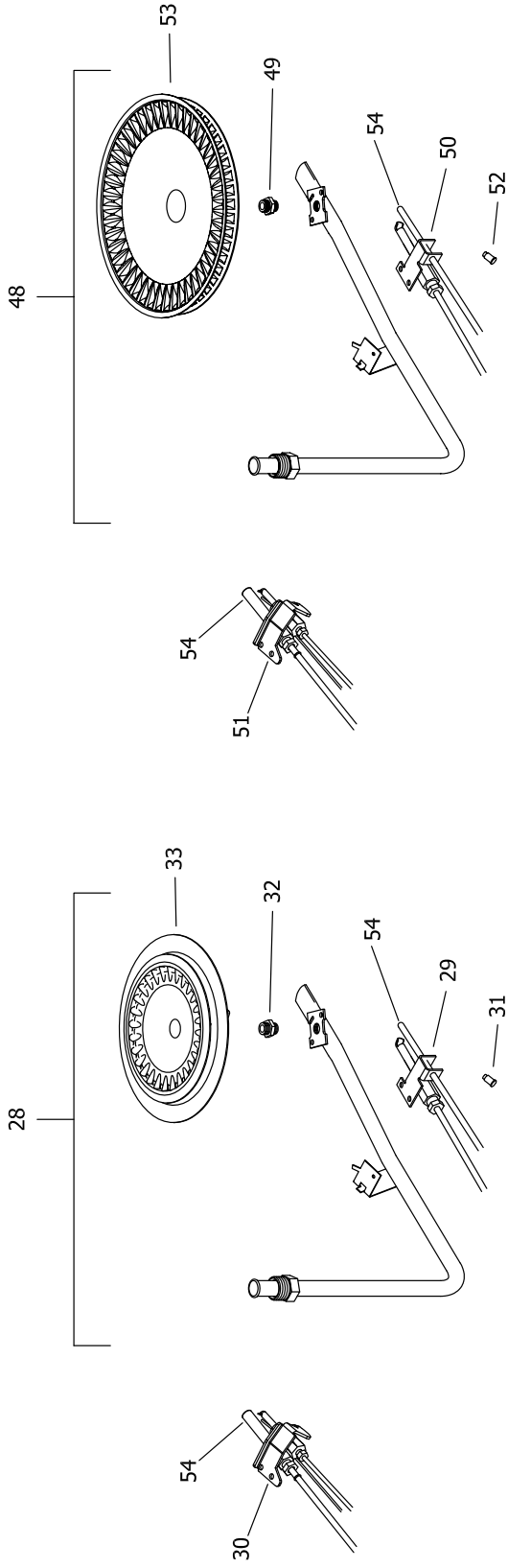
¹ Serial # EF10694504 through FD11847877

² Order with item 5

⁴ Serial # prior to FE11932653

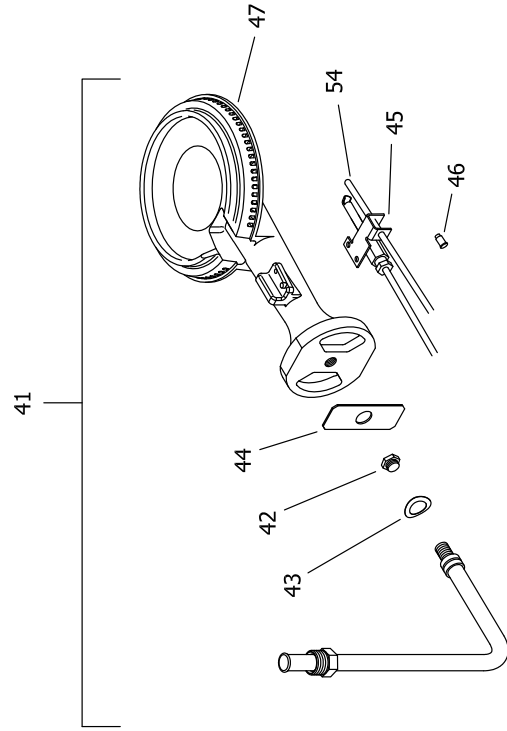
⁵ Serial # FE11932654 and after



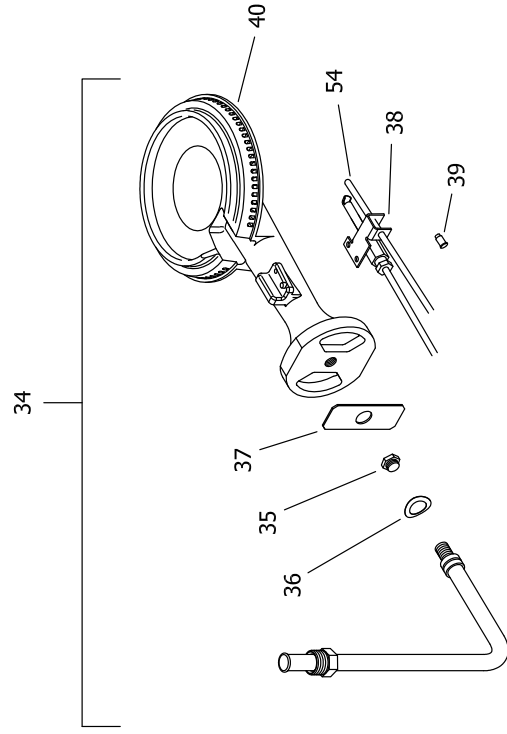


NATURAL GAS (BN) BURNER ASSEMBLY

LP GAS (SX) BURNER ASSEMBLY



NATURAL GAS (CN) BURNER ASSEMBLY



LP GAS (CX) BURNER ASSEMBLY

LP GAS (SX) BURNER ASSEMBLY TO REPLACE LP GAS (CX) BURNER ASSEMBLY
ON ALL MODELS EXCEPT 75 & 100 GAL. MODELS

Item Description	Model	Model	Model	Model	Model	Model	Model
	M1100T*(B,N,CX,CN)	25X78(B,S)3(N,X)	55X80(B,S)3(N,X)	65T65*(B,E)^(N,X)	75T80*(B,S)^(N,X)	100T88*(B)^(N,X)	
Natural Gas BN Burner Assembly							
28	Nat. Gas Burner Assembly Complete (Honeywell)**	265-46998-02-20 ³	---	---	265-46998-01-22	265-46998-02-20 ⁵	
29	Nat. Gas Burner Assembly Complete (White Rodgers)**	265-43979-01-20 ⁴	265-46004-01-21	265-46004-03-20	265-47439-08-27	265-43979-01-20 ⁴	
30	Nat. Gas Pilot Assembly (White Rodgers)	233-40248-05 ⁴	233-40248-05	233-40248-05	233-40248-05	233-40248-05 ⁴	
31	Nat. Gas Pilot Assembly Kit (Honeywell)	233-46988-04 ⁵	---	---	239-47449-01	233-46988-04 ⁵	
32	Nat. Gas Pilot Orifice (Honeywell)	234-47098-01 ⁶	---	---	234-47098-01	234-47098-01 ⁶	
33	Nat. Gas Pilot Orifice (White Rodgers)	234-46502-03 ⁴	234-46502-03	234-46502-03	234-46502-03	234-46502-03 ⁴	
34	Nat. Gas Main Burner Orifice (0ft to 2000ft)	234-41034-20	234-41034-21	234-41034-20	234-41034-22	234-41034-20	
35	Nat. Gas High Altitude (200ft to 5000ft)	234-41034-22	234-41034-24	234-41034-22	234-41034-26	234-41034-22	
36	Nat. Gas High Altitude (500ft to 8000ft)	234-41034-22	234-41034-24	234-41034-22	234-41034-26	234-41034-22	
37	Nat. Gas High Altitude (800ft & above)	234-41034-27	234-41034-28	234-41034-27	234-41034-31	234-41034-27	
38	Nat. Gas Burner	228-42506-00	228-42506-00	228-42506-00	228-42506-00	228-42506-00	
LP Gas CX Burner Assembly							
39	LP Gas Cast Iron Burner Assembly Complete **	265-41876-27-35 ⁴	---	---	SEE ITEM 50	265-41876-27-35 ⁴	
40	LP Gas Main Burner Orifice (0ft to 2000ft)	234-35928-35 ⁴	---	---	SEE ITEM 50	234-35928-35 ⁴	
41	LP Gas High Altitude (200ft to 5000ft)	234-35928-39 ⁴	---	---	SEE ITEM 50	234-35928-39 ⁴	
42	LP Gas High Altitude (500ft to 8000ft)	234-35928-40 ⁴	---	---	SEE ITEM 50	234-35928-40 ⁴	
43	LP Gas High Altitude (800ft & above)	234-35928-41 ⁴	---	---	SEE ITEM 50	234-35928-41 ⁴	
44	Spring Washer	239-40729-00 ⁴	---	---	SEE ITEM 50	239-40729-00 ⁴	
45	Air Shutter	239-35466-00 ⁴	---	---	SEE ITEM 50	239-35466-00 ⁴	
46	LP Gas Pilot Assembly	233-40261-03 ⁴	---	---	SEE ITEM 50	233-40261-03 ⁴	
47	LP Gas Pilot Orifice	234-46502-01 ⁴	---	---	SEE ITEM 50	234-46502-01 ⁴	
48	LP Gas Cast Iron Burner	228-14173-00 ⁴	---	---	SEE ITEM 50	228-14173-00 ⁴	
Natural Gas CN Burner Assembly							
49	Nat. Gas Cast Iron Burner Assembly Complete **	265-41870-22-19	---	---	265-41870-17-22	265-41870-22-19	
50	Nat. Gas Main Burner Orifice (0ft to 2000ft)	234-18194-19	---	---	234-18194-22	234-18194-19	
51	Nat. Gas High Altitude (200ft to 5000ft)	234-18194-22	---	---	234-18194-27	234-18194-22	
52	Nat. Gas High Altitude (500ft to 8000ft)	234-18194-22	---	---	234-18194-27	234-18194-22	
53	Nat. Gas High Altitude (800ft & above)	234-18194-26	---	---	234-18194-31	234-18194-26	
54	Spring Washer	239-40729-00	---	---	239-40729-00	239-40729-00	
55	Air Shutter	239-35466-00	---	---	239-35466-00	239-35466-00	
56	Nat. Gas Pilot Assembly	233-40248-05	---	---	233-40248-05	233-40248-05	
57	Nat. Gas Pilot Orifice	234-46502-03	---	---	234-46502-03	234-46502-03	
58	Nat. Gas Cast Iron Burner	228-14173-00	---	---	228-14173-00	228-14173-00	
LP Gas SX Burner Assembly							
59	LP Gas Burner Assembly Complete**	265-47011-01-35 ⁵	265-47037-01-38	265-47037-03-38	265-47440-14-43	265-47011-01-35 ⁵	
60	LP Gas Main Burner Orifice (0ft to 2000ft)	234-47064-35 ⁵	234-47064-38	234-47064-38	234-47064-43	234-47064-35 ⁵	
61	LP Gas High Altitude (200ft to 5000ft)	234-47064-39 ⁵	234-47064-42	234-47064-42	234-47064-44	234-47064-39 ⁵	
62	LP Gas High Altitude (500ft to 8000ft)	234-47064-40 ⁵	234-47064-43	234-47064-43	234-47064-47	234-47064-40 ⁵	
63	LP Gas High Altitude (800ft & above)	234-47064-41 ⁵	234-47064-43	234-47064-43	234-47064-47	234-47064-41 ⁵	
64	LP Gas Pilot Assembly (White Rodgers)	---	233-40261-03	233-40261-03	233-40261-03	---	
65	Kit-LP Gas Pilot Assembly (Honeywell)	233-46989-04 ⁵	---	---	---	233-46989-04 ⁵	
66	LP Gas Pilot Orifice	234-47098-02 ⁵	234-46502-01	234-46502-01	234-46502-01	234-47098-02 ⁵	
67	LP Gas SX Burner	228-46938-00 ⁵	228-46938-00	228-46938-00	228-47000-00	228-46938-00 ⁵	
68	Kit-Thermopile	---	---	---	239-47446-00	---	
69	Thermocouple	233-46501-24	233-46501-24	233-46501-24	233-46501-24	233-46501-24 ⁵	
70	Kit-LP to NAT conversion (0ft to 2000ft)	265-47452-08 ⁵	265-45713-03	265-45713-04	---	265-47452-07 ⁵	
71	Kit-LP to NAT conversion (2000ft to 5000ft)	265-47452-10 ⁵	265-45713-05	265-45713-06	---	265-47452-09 ⁵	

*All warranties
**Ordering a complete burner assembly may increase delivery time.
Please order the specific component req'd for the quickest delivery
⁴ Serial # prior to EF10694503
⁵ Serial # EF10694504 through FD11847877
¹ Order with item 5
² Order with item 6
³ Order with item 6





BRADFORD WHITE®

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Ambler, PA

For U.S. and Canada field service,
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Parts Fax/215-641-2180

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Fax/269-795-1089

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

International:
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