



GF801D

Parts List
09-February-2018



*This parts list is current as of the above revision date.
See www.surecomfortparts.com for the current revision.*

80% Gas Furnaces

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MODEL NUMBER EXPLANATION

G	F	8	0	1	D	1	2	5	A	S	6	0
1		2		3	4		5		6	7	8	

- (1) **GAS FURNACE**
- (2) **80 = EFFICIENCY**
- (3) **1 = 1 STAGE**
- (4) **D = DOWNFLOW**
- (5) **HEATING INPUT**
 050 = 50,000 BTU/HR
 075 = 75,000 BTU/HR
 100 = 100,000 BTU/HR
 125 = 125,000 BTU/HR
- (6) **A = VARIATION**
- (7) **VARIATIONS**
 S = STANDARD
 W = WIDE CABINET
- (8) **NOMINAL COOLING DESIGNATION**
 36 = 3 TONS
 48 = 4 TONS
 60 = 5 TONS

SERIAL NUMBER EXPLANATION (Units Produced before Nov. 2013)

G	H	5	D	7	0	7	F	3	1	0	9	9	9	9
1		2	3	4	5	6	7	8		9		10		

- 1 **GAS CODE**
- 2 **LIMIT CONTROL**
- 3 **BLOWER**
- 4 **HEATING ELEMENT**
- 5 **SPECIAL AREA REQUIREMENT**
- 6 **MOTOR HORSEPOWER**
- 7 **PLANT**
- 8 **WEEK**
- 9 **YEAR**
- 10 **PRODUCTION NUMBER**

SERIAL NUMBER EXPLANATION (Units Produced after Nov. 2013)

F	0	8	1	3	9	9	9	9
(1)	(2)		(3)		(4)			

- (1) **PLANT CODE**
- (2) **WEEK (DATE CODE)**
- (3) **YEAR**
- (4) **PRODUCTION NUMBER**

Note: For Gas Code, see Control System Gas Code on Rating Plate

No.	Notes	MODEL HEATING INPUT VARIATIONS	GF801D 050 AS36	GF801D 075 AS36
PANELS, SHEET METAL, MISCELLANEOUS				
1		Burner Compartment Door	AS-101733-10	AS-101734-10
		Sight Glass	68-21893-03	68-21893-03
2		Plug Button	45-22980-01	45-22980-01
3		Blower/Filter Door	AS-67893-12	AS-67894-12
4		Door Switch- Push Button	42-22692-06	42-22692-06
5		Pressure Switch	See Electrical Group	
		Silicone Rubber Tubing	AE-61737-22	AE-61737-04
6		Junction Box	AE-61475-02	AE-61475-02
7		Junction Box Cover	AE-61476-02	AE-61476-02
		Flue Pipe	AE-66691-14	AE-66691-14
		Flue Pipe Enclosure Assembly - (Includes Flue Pipe, Enclosure, and Enclosure Door)	AS-100608-01	AS-100608-01
8		Top Plate	AE-66981-01	AE-66981-02
9		Limit - Heat Assisted (Blower Housing)	See Electrical Group	
10		Jacket	AS-66991-06	AS-66991-10
11		Blower Assembly	See Blower Group	
12		Heat Exchanger Bracket	See Heat Exchanger Group	
13		Heat Exchanger	See Heat Exchanger Group	
14		Induced Draft Blower	See Heat Exchanger Group	
15		Limit - Main Limit (Heat Exchanger Panel)	See Electrical Group	
23		Control Mounting Plate	AE-67877-01	AE-67877-01
		Rear Baffle	AE-66994-01	AE-66994-02
		Touch-up Paint - Platinum (Aerosol)	523012	523012
		Touch-up Paint - Platinum (Paint Pens)	523013	523013
		Touch-up Paint - Grey-Bronze (Aerosol)	523016	523016
		Touch-up Paint - Grey-Bronze (Paint Pens)	523017	523017

No.	Notes	MODEL HEATING INPUT VARIATIONS	GF801D 100 AW48	GF801D 125 AS60
PANELS, SHEET METAL, MISCELLANEOUS				
1		Burner Compartment Door	AS-101735-10	AS-101736-10
		Sight Glass	68-21893-03	68-21893-03
2		Plug Button	45-22980-01	45-22980-01
3		Blower/Filter Door	AS-67895-12	AS-67896-12
4		Door Switch- Push Button	42-22692-06	42-22692-06
5		Pressure Switch	See Electrical Group	
		Silicone Rubber Tubing	AE-61737-23	AE-61737-15
6		Junction Box	AE-61475-02	AE-61475-02
7		Junction Box Cover	AE-61476-02	AE-61476-02
		Flue Pipe	AE-66691-14	AE-66691-14
		Flue Pipe Enclosure Assembly - (Includes Flue Pipe, Enclosure, and Enclosure Door)	AS-100608-01	AS-100608-01
8		Top Plate	AE-66981-03	AE-66981-04
9		Limit - Heat Assisted (Blower Housing)	See Electrical Group	
10		Jacket	AS-66991-08	AS-66991-09
11		Blower Assembly	See Blower Group	
12		Heat Exchanger Bracket	See Heat Exchanger Group	
13		Heat Exchanger	See Heat Exchanger Group	
14		Induced Draft Blower	See Heat Exchanger Group	
15		Limit - Main Limit (Heat Exchanger Panel)	See Electrical Group	
23		Control Mounting Plate	AE-67877-01	AE-67877-01
		Rear Baffle	AE-66994-03	AE-66994-04
		Touch-up Paint - Platinum (Aerosol)	523012	523012
		Touch-up Paint - Platinum (Paint Pens)	523013	523013
		Touch-up Paint - Grey-Bronze (Aerosol)	523016	523016
		Touch-up Paint - Grey-Bronze (Paint Pens)	523017	523017

No.	Notes	MODEL HEATING INPUT VARIATIONS	GF801D 050 AS36	GF801D 075 AS36
ELECTRIC GROUP				
5	Stk	Pressure Switch	42-101233-02	42-101233-02
9	Stk	Limit - Heat Assisted (Blower Housing)	47-22860-01	47-22860-01
14	Stk	Induced Draft Blower w/Gasket	70-101087-01	70-101087-01
15	Stk	Limit - Main Limit (Heat Exchanger Panel)	47-25349-07	47-25349-07
17	Stk	Limit - Manual Reset (Burner Compartment)	47-22861-03	47-22861-03
24	Stk	Integrated Furnace Control Board (IFC)	See Gas Controls	
27	Stk	Transformer	46-24124-03	46-24124-03
		Wiring Harness - 4 pin to 2 insulated terminals, 2 wires	45-24371-18	45-24371-18
		Wiring Harness - 4 pin to 2 pin, 2 wires	45-24371-08	45-24371-08
		Wiring Harness - 9 pin to 9 pin, 9 wires	45-24371-03	45-24371-03
		Wiring Harness - 9 pin to 8 terminals (5 insulated/1 straight/2 flag), 8 wires	45-24371-11	45-24371-11

No.	Notes	MODEL HEATING INPUT VARIATIONS	GF801D 100 AW48	GF801D 125 AS60
ELECTRIC GROUP				
5	Stk	Pressure Switch	42-101233-02	42-101233-02
9	Stk	Limit - Heat Assisted (Blower Housing)	47-22860-01	47-22860-03
14	Stk	Induced Draft Blower w/Gasket	70-101087-01	70-101087-01
15	Stk	Limit - Main Limit (Heat Exchanger Panel)	47-25349-07	47-25349-05
17	Stk	Limit - Manual Reset (Burner Compartment)	47-22861-03	47-22861-03
24	Stk	Integrated Furnace Control Board (IFC)	See Gas Controls	
27	Stk	Transformer	46-24124-03	46-24124-03
		Wiring Harness - 6 pin to 4 pin, 4 wires	45-24371-18	45-24371-18
		Wiring Harness - 4 pin to 2 pin and 2 straight terminals, 4 wires	45-24371-08	45-24371-08
		Wiring Harness - 9 pin to 9 pin, 9 wires	45-24371-03	45-24371-03
		Wiring Harness - 9 pin to 8 terminals (5 insulated/1 straight/2 flag), 8 wires	45-24371-11	45-24371-11

No.	Notes	MODEL HEATING INPUT VARIATIONS	GF801D 050 AS36	GF801D 075 AS36
BLOWER GROUP				
11	Stk	Blower Assembly (Includes items 18-22)	AS-61697-08	AS-61697-77
18	Stk	Wheel	70-22683-01	70-22683-01
19		Housing	AS-61674-04	AS-61674-04
20	Stk	Blower Motor	51-22873-01	51-22858-01
21		Motor Mount (4)	AE-61698-02	AE-61698-02
22	Stk,2	Capacitor - Blower Motor (before Date Code F2013)	43-101666-42	43-101666-42
22	Stk,2	Capacitor - Blower Motor (on or after Date Code F2013)	43-101666-42	See Note 2
		Limit - Heat Assisted (Blower Housing)	See Electrical Group	

No.	Notes	MODEL HEATING INPUT VARIATIONS	GF801D 100 AW48	GF801D 125 AS60
BLOWER GROUP				
11	Stk	Blower Assembly (Includes items 18-22)	AS-61697-65	AS-61697-73
18	Stk	Wheel	70-20602-01	70-20602-01
19		Housing	AS-61674-06	AS-61674-06
20	Stk	Blower Motor	51-24272-01	51-102426-01
21		Motor Mount (4)	AE-61698-02	AE-61698-02
22	Stk	Capacitor - Blower Motor	43-100509-43	43-100509-43
		Limit - Heat Assisted (Blower Housing)	See Electrical Group	

No.	Notes	MODEL HEATING INPUT VARIATIONS	GF801D 050 AS36	GF801D 075 AS36	GF801D 100 AW48	GF801D 125 AS60
HEAT EXCHANGER, BURNER / MANIFOLD GROUP						
12		Heat Exchanger Bracket (2)	AE-67846-02	AE-67846-02	AE-67846-02	AE-67846-02
		Heat Exchanger Bracket - Left Side	AE-102680-01	N/A	N/A	N/A
		Heat Exchanger Bracket - Right Side	AE-102680-02	N/A	N/A	N/A
13	Stk	Heat Exchanger Assembly	AS-66997-11	AS-100561-01	AS-66997-04	AS-66997-05
26		Burner Cover Plate	AE-101080-01	AE-101080-02	AE-101080-03	AE-101080-04
29		Burner Support Bracket (2)	AE-61588-02	AE-61588-02	AE-61588-02	AE-61588-02
30	Stk	Manifold (w/o Orifices)	81-102427-01	81-102427-02	81-102427-03	81-102427-04
31	Stk	Burner Halves Assembly	AS-60993-02	AS-60993-03	AS-60993-04	AS-60993-05
38		Burner Support	AE-60997-01	AE-60997-02	AE-60997-03	AE-60997-04
		Burner Orifice - Natural Gas	See Orifice Selection Chart			
		Burner Orifice - LP	See Orifice Selection Chart			
		Number of Orifices	(2)	(3)	(4)	(5)

No.	Notes	MODEL GAS CODE	GF801D GH
GAS CONTROLS			
24	Stk	Integrated Furnace Control Board (IFC)	62-25338-01
32	Stk	Gas Valve - Natural Gas	60-105055-01
32	Stk,1	Gas Valve - LP	See Note 1
35	Stk	Ignitor	62-24164-01
36		Ignitor Bracket	AE-61885-02
37	Stk	Flame Sensor	62-23543-01
	Stk	LP Conversion Kit	FP-15

80% GAS FURNACE - ORIFICE SELECTION CHART - NATURAL GAS

CAUTION: Selection of the correct Natural Gas Orifice requires the following information for the specific installation:

1) Altitude in of the installation (ft.).

2) Average energy content of the Natural Gas fuel from the local supplier (BTU/cu. ft.).

For detailed information and instructions for Orifice selection, see the Gas Furnace LP Conversion Kit Index 92-21519-59 and the latest edition of the National Fuel Gas Code Handbook, or the National Standard of Canada, Natural Gas and Propane Installation Code, CAN B149.1.

CAUTION: This information is provided for replacement purposes only. Conversion for operation at High Altitude must be done using the kit specified on the product specification sheet for the unit.

NOTE: This Orifice sizing chart is based on 25,000 BTU/HR per burner.

NOTE: Factory installed orifices are calculated and sized based on a Natural Gas heating value of 1075 BTU/cu. ft. and an elevation of 0 - 3000 ft.

Energy Value (BTU/cu. ft.)	Elevation (ft.)							
	0 - 1999	2000 - 2999	3000 - 3999	4000 - 4999	5000 - 5999	6000 - 6999	7000 - 7999	8000 - 8999
850	62-22175-38	62-22175-39	62-22175-40	62-22175-41	62-22175-41	62-22175-42	62-22175-42	62-22175-43
900	62-22175-40	62-22175-41	62-22175-42	62-22175-42	62-22175-42	62-22175-43	62-22175-43	62-22175-44
975	62-22175-41	62-22175-42	62-22175-42	62-22175-42	62-22175-43	62-22175-43	62-22175-44	62-22175-44
1075	62-22175-42	62-22175-42	62-22175-43	62-22175-43	62-22175-43	62-22175-44	62-22175-44	62-22175-45
1170	62-22175-43	62-22175-44	62-22175-44	62-22175-44	62-22175-45	62-22175-45	62-22175-46	62-22175-47

80% GAS FURNACE - ORIFICE SELECTION CHART - LP

CAUTION: Selection of the correct LP Orifice requires the altitude of the specific installation (ft.).

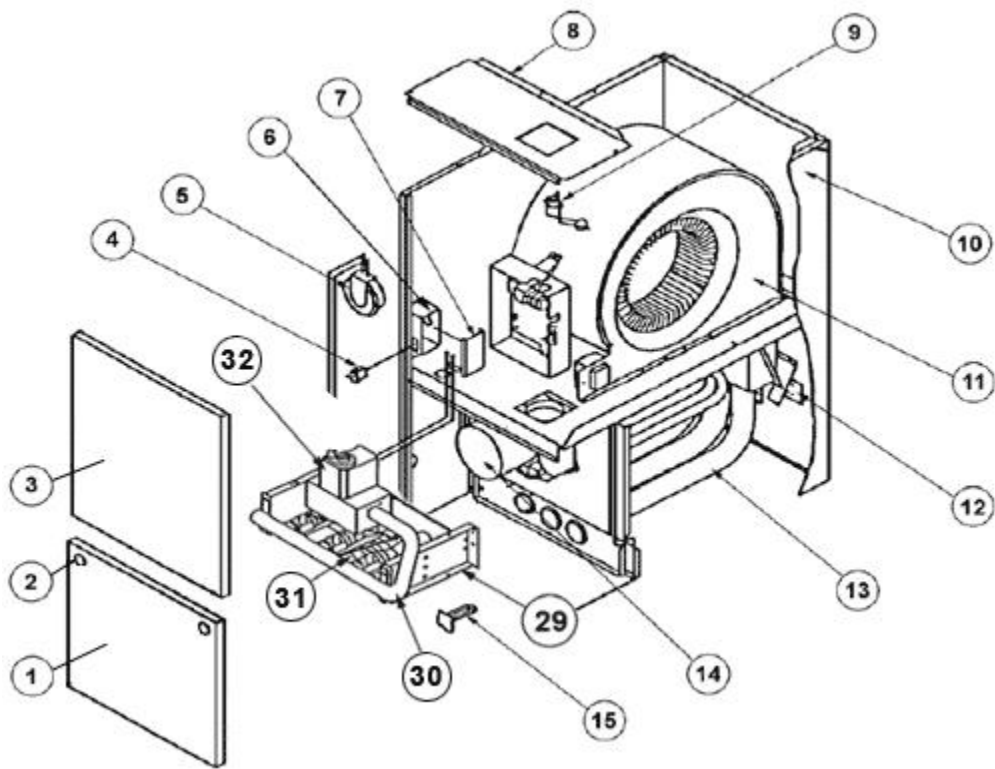
For detailed information and instructions for Orifice selection, see the Gas Furnace LP Conversion Kit Index 92-21519-59 and the latest edition of the National Fuel Gas Code Handbook (NFG), or the National Standard of Canada, Natural Gas and Propane Installation Code, CAN B149.1.

CAUTION: This information is provided for replacement purposes only. Conversion to LP or for operation at High Altitude should be done using the kit(s) specified on the product specification sheet for the unit.

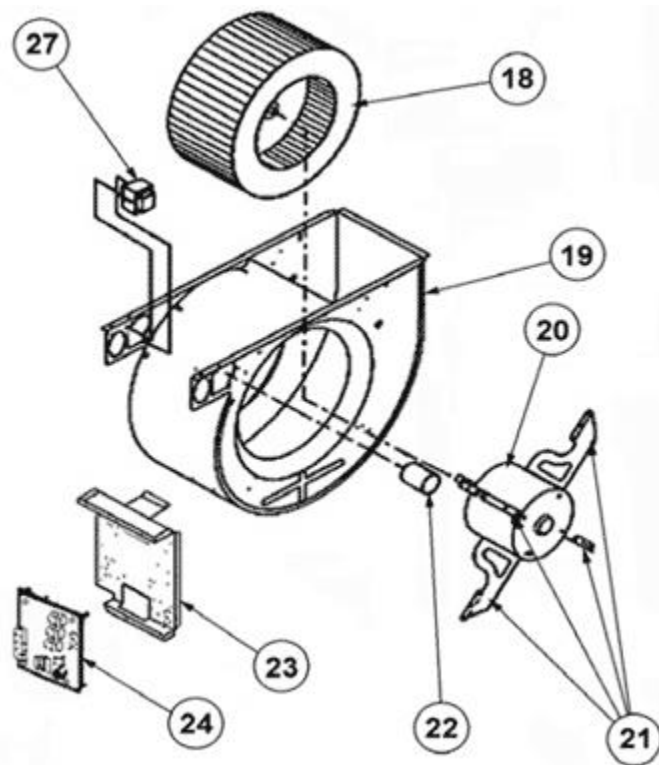
NOTE: This Orifice sizing chart is based on 25,000 BTU/HR per burner. Also, the chart is developed using the specified pressure setting of 10 in. water column instead of the 11.0 in water column used by the NFG and CANB149.1.

NOTE: Orifices supplied in the LP Conversion Kit are calculated and sized based on an altitude of 0 - 4000 ft.

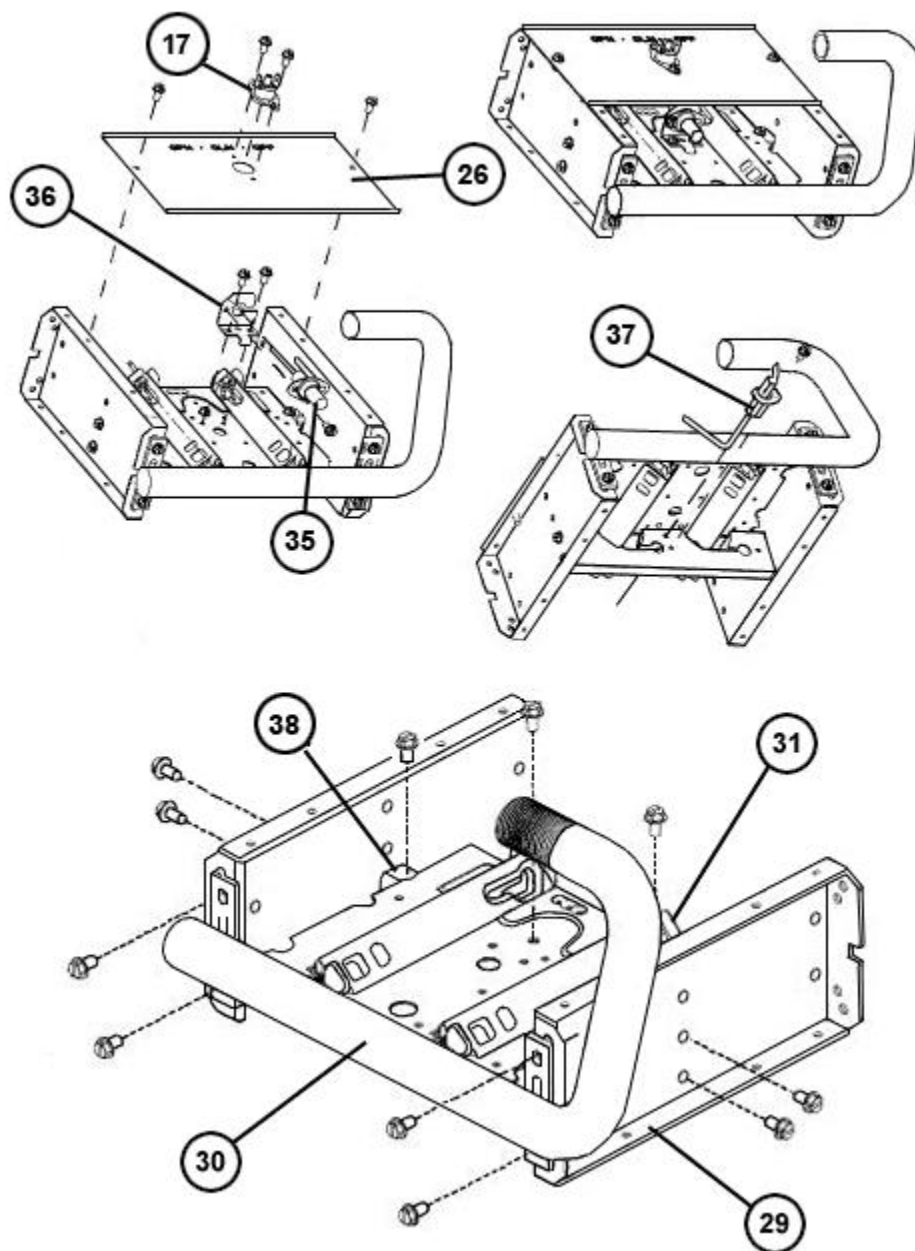
Elevation (ft.)	Orifice							
0 - 2000	62-22175-54							
2001 - 3000	62-22175-54							
3001 - 4000	62-22175-54							
4001 - 5000	62-22175-54							
5001 - 6000	62-22175-54							
6001 - 7000	62-22175-54							
7001 - 8000	62-22175-55							
8001 - 9000	62-22175-55							
9001 - 10000	62-22175-55							



Exploded View



Blower Assembly



Burner Detail

NOTES

Stk It is recommended that stock be maintained for this part.

N/A Not Applicable

- 1 Order Gas Valve for Natural Gas along with LP Conversion Kit. (If the original valve has been replaced, order the spring kit for the replacement valve.)
- 2 For units produced on or after date code F2013, the capacitor must be determined by examining the motor rating label of the motor installed in the furnace. For motors requiring 7.5 uF use 43-101666-42. For motors requiring 15 uF, use 43-101666-43.

DISCLAIMER: This document is intended to provide general replacement parts information to aid qualified service personnel in the repair of these models. The complete Model and Serial Number of the unit under repair should be specified when selecting and ordering replacement parts. Specifications and illustrations are subject to change without notice. Document 92-42813-GF801D supersedes all previous parts lists for these models. See <http://www.rheempartslists.net/92-42813-GF801D> for the latest revision of this document. The manufacturer assumes no obligation for errors or omissions. Service personnel must verify the proper and safe operation of equipment after the replacement of any original components.