



RGDJ

Parts List
14-August-2014



*This parts list is current as of the above revision date.
See <http://www.rheempartslists.net/92-42800-RGDJ.pdf> for the current revision.*

80% Gas Furnaces

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MODEL NUMBER EXPLANATION

R	G	D	J	-	0	7	E	A	U	E	R
1	2	3	4			5		6	7	8	9

(1) **MODEL DESIGNATION**

(2) **G = GAS FURNACE**

(3) **D = UPFLOW**

(4) **DESIGN SERIES**

(5) **HEATING INPUT (BTU/HR)**

05 = 50,000

07 = 75,000

10 = 100,000

12 = 125,000

15 = 150,000

E = Electric

N = Electric w/NOX

(6) **VARIATIONS**

A = Standard Cabinet

B = Wide Cabinet

(7) **BLOWER DESIGNATION**

U = 11 x 6 DU

M = 11 x 7 DU

R = 11 x 10 DU

(8) **AIRFLOW**

E = 1100 - 1300 CFM

G = 1500 - 1700 CFM

J = 1900 - 2100 CFM

(9) **FUEL CODE**

A = Canadian - Natural Gas

R = U.S. - Natural Gas

SERIAL NUMBER EXPLANATION

E	Z	5	D	7	0	7	F	0	7	9	4	0	0	0	0
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) **PRODUCTION LOCATION**

F = Fort Smith, AR

(8) **WEEK**

(9) **YEAR**

(10) **PRODUCTION NUMBER**

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION		RGDJ- 05 A U	RGDJ- 07 A M	RGDJ- 07 A U
PANELS, MISCELLANEOUS PARTS						
1		Jacket		AS-61690-12	AS-61690-13	AS-61690-14
2		Top Plate		AE-61657-01	AE-61657-02	AE-61657-02
3		Blower/Filter Door		AE-61679-01	AE-61680-01	AE-61680-01
4		Burner Door (w/o Plug Buttons)		AE-61675-01	AE-61676-01	AE-61676-01
		Plug Button - 1-3/16 in opening (2)		45-22980-01	45-22980-01	45-22980-01
5		Control Box (w/o components)		68-22857-01	68-22857-01	68-22857-01
		Control Box Cover		AE-61699-02	AE-61699-02	AE-61699-02
		Silicone Tubing - Pressure Switch		79-21491-93	79-21491-93	79-21491-93
12		Integrated Furnace Control Board (IFC)		See Gas Controls		
13		Pressure Switch		See Electrical Group		
14		Door Switch - Push Button		See Electrical Group		
15		Limit - Main Limit (Heat Exchanger Panel)		See Electrical Group		
16		Limit - Manual Reset (Burner Compartment)		See Electrical Group		
17		Transformer		See Electrical Group		
18		Capacitor - Blower Motor		See Blower Group		
19		Induced Draft Blower w/Gasket		See Electrical Group		
25		Gas Valve		See Gas Controls		
26		Ignitor		See Gas Controls		

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION	RGDJ- 10 A M	RGDJ- 10 B R	RGDJ- 12 A R	RGDJ- 15 A R
PANELS, MISCELLANEOUS PARTS						
1		Jacket	AS-61690-13	AS-61690-15	AS-61690-16	AS-61690-16
2		Top Plate	AE-61657-02	AE-61657-03	AE-61657-04	AE-61657-04
3		Blower/Filter Door	AE-61680-01	AE-61681-01	AE-61682-01	AE-61682-01
4		Burner Door (w/o Plug Buttons)	AE-61676-01	AE-61677-01	AE-61678-01	AE-61678-01
		Plug Button - 1-3/16 in opening (2)	45-22980-01	45-22980-01	45-22980-01	45-22980-01
5		Control Box (w/o components)	68-22857-01	68-22857-01	68-22857-01	68-22857-01
		Control Box Cover	AE-61699-02	AE-61699-02	AE-61699-02	AE-61699-02
		Silicone Tubing - Pressure Switch	79-21491-93	79-21491-93	79-21491-83	79-21491-83
12		Integrated Furnace Control Board (IFC)		See Gas Controls		
13		Pressure Switch		See Electrical Group		
14		Door Switch - Push Button		See Electrical Group		
15		Limit - Main Limit (Heat Exchanger Panel)		See Electrical Group		
16		Limit - Manual Reset (Burner Compartment)		See Electrical Group		
17		Transformer		See Electrical Group		
18		Capacitor - Blower Motor		See Blower Group		
19		Induced Draft Blower w/Gasket		See Electrical Group		
25		Gas Valve		See Gas Controls		
26		Ignitor		See Gas Controls		

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION		RGDJ- 05 A U	RGDJ- 07 A M	RGDJ- 07 A U
ELECTRICAL GROUP						
		Bracket (Limit - Manual Reset)		AE-61600-02	AE-61600-02	AE-61600-02
12		Integrated Furnace Control Board (IFC)		See Gas Controls		
13	Stk	Pressure Switch - Before F3598		42-23648-02	42-24064-01	42-24064-01
13	Stk	Pressure Switch - After F3598		42-23648-03	42-24064-01	42-24064-01
14		Door Switch - Push Button		42-22692-01	42-22692-01	42-22692-01
15	Stk	Limit - Main Limit (Heat Exchanger Panel)		47-22679-03	47-22679-01	47-22679-02
16	Stk	Limit - Manual Reset (Burner Compartment)		47-22861-01	47-22861-01	47-22861-01
17	Stk	Transformer w/Fuse - Before F2197		46-22863-01	46-22863-01	46-22863-01
17	Stk	Transformer - After F2197		46-24124-03	46-24124-03	46-24124-03
18		Capacitor - Blower Motor		See Blower Group		
19	Stk	Induced Draft Blower w/Gasket		70-22838-02	70-22838-02	70-22838-02
		Gasket - Induced Draft Blower		68-22850-01	68-22850-01	68-22850-01
		Wiring Harness - 9 pin from IFC Board to 9 pin		AS-61997-03	AS-61997-03	AS-61997-03
		Wiring Harness - 9 pin to 8 terminals		AS-61998-24	AS-61998-24	AS-61998-24
		Wiring Harness - 6 pin from IFC Board to 4 pin		AS-61997-30	AS-61997-30	AS-61997-30
		Wiring Harness - 4 pin to 2 pin and 2 terminals		AS-61998-03	AS-61998-03	AS-61998-03

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION	RGDJ- 10 A M	RGDJ- 10 B R	RGDJ- 12 A R	RGDJ- 15 A R
ELECTRICAL GROUP						
		Bracket (Limit - Manual Reset)	AE-61600-02	AE-61600-02	AE-61600-02	AE-61600-02
12		Integrated Furnace Control Board (IFC)		See Gas Controls		
13	Stk	Pressure Switch	42-24064-01	42-24064-01	42-24064-02	42-24064-02
14		Door Switch - Push Button	42-22692-01	42-22692-01	42-22692-01	42-22692-01
15	Stk	Limit - Main Limit (Heat Exchanger Panel)	47-22679-02	47-22679-02	47-22679-03	47-22679-03
16	Stk	Limit - Manual Reset (Burner Compartment)	47-22861-01	47-22861-01	47-22861-01	47-22861-01
17	Stk	Transformer w/Fuse - Before F2197	46-22863-01	46-22863-01	46-22863-01	46-22863-01
17	Stk	Transformer - After F2197	46-24124-03	46-24124-03	46-24124-03	46-24124-03
18		Capacitor - Blower Motor		See Blower Group		
19	Stk	Induced Draft Blower w/Gasket	70-22838-02	70-22838-02	70-22838-02	70-22838-02
		Gasket - Induced Draft Blower	68-22850-01	68-22850-01	68-22850-01	68-22850-01
		Wiring Harness - 9 pin from IFC Board to 9 pin	AS-61997-03	AS-61997-03	AS-61997-03	AS-61997-03
		Wiring Harness - 9 pin to 8 terminals	AS-61998-24	AS-61998-24	AS-61998-24	AS-61998-24
		Wiring Harness - 6 pin from IFC Board to 4 pin	AS-61997-30	AS-61997-30	AS-61997-30	AS-61997-30
		Wiring Harness - 4 pin to 2 pin and 2 terminals	AS-61998-03	AS-61998-03	AS-61998-03	AS-61998-03

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION		RGDJ- 05 A U	RGDJ- 07 A M	RGDJ- 07 A U
BLOWER GROUP						
20	Stk	Blower Assembly (Includes items 18, 21-24)		AS-61697-07	AS-61697-62	AS-61697-75
18	Stk	Capacitor - Blower Motor		43-100509-42	43-100509-43	43-100509-42
21		Housing		AS-61674-01	AS-61674-02	AS-61674-01
22		Motor Mounting Legs (4)		AE-61698-02	AE-61698-02	AE-61698-02
		Motor Mounting Leg Screws (8)		63-24368-01	63-24368-01	63-24368-01
23	Stk	Blower Motor		51-22873-01	51-24272-01	51-22858-01
24	Stk	Blower Wheel		70-22683-01	70-23111-05	70-22683-01

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION	RGDJ- 10 A M	RGDJ- 10 B R	RGDJ- 12 A R	RGDJ- 15 A R
BLOWER GROUP						
20	Stk	Blower Assembly (Includes items 18, 21-24)	AS-61697-76	AS-61697-72	AS-61697-72	AS-61697-72
18	Stk	Capacitor - Blower Motor	43-100509-42	43-100509-43	43-100509-43	43-100509-43
21		Housing	AS-61674-02	AS-61674-03	AS-61674-03	AS-61674-03
22		Motor Mounting Legs (4)	AE-61698-02	AE-61698-02	AE-61698-02	AE-61698-02
		Motor Mounting Leg Screws (8)	63-24368-01	63-24368-01	63-24368-01	63-24368-01
23	Stk	Blower Motor	51-22858-01	51-102426-01	51-102426-01	51-102426-01
24	Stk	Blower Wheel	70-22688-01	70-20602-01	70-20602-01	70-20602-01

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION		RGDJ- 05 A U	RGDJ- 07 A M	RGDJ- 07 A U
HEAT EXCHANGER, BURNER / MANIFOLD						
6	Stk	Heat Exchanger Assembly w/Insulation		AS-61579-01	AS-61579-02	AS-61579-02
		Heat Exchanger Bracket (2)		AE-67846-02	AE-67846-02	AE-67846-02
7	Stk	Burner Tube w/Shield - Before F0597		75-22840-02 (2)	75-22840-02 (3)	75-22840-02 (3)
7	Stk	Burner Assembly - After F0597		AS-60993-02	AS-60993-03	AS-60993-03
8		NOX Burner Insert - Before F0299		AE-61771-01 (2)	AE-61771-01 (3)	AE-61771-01 (3)
8		NOX Insert Assembly (Cross X) - After F0299		AS-67875-01 (1)	AS-67875-01 (2)	AS-67875-01 (2)
9a		NOX Burner Retainer Rod - Before F0299		AE-61715-01	AE-61715-02	AE-61715-02
9b		NOX Insert Retainer - After F0299		AE-67872-01	AE-67872-02	AE-67872-02
		Burner Support (Holds Burner between the Burner Support Brackets)		AE-61577-01	AE-61577-02	AE-61577-02
10		Burner Support Bracket (2) - Before F0597		AE-61588-01	AE-61588-01	AE-61588-01
10		Burner Support Bracket (2) - After F0597		AE-61588-02	AE-61588-02	AE-61588-02
11	Stk	Manifold (w/o Orifices)		81-23492-01	81-23492-02	81-23492-02
		Burner Orifice - Natural Gas	See Orifice Selection Chart			
		Burner Orifice - LP	See Orifice Selection Chart			
		Number of Orifices		(2)	(3)	(3)

No.	Notes	MODEL HEATING CAPACITY VARIATION BLOWER DESIGNATION	RGDJ- 10 A M	RGDJ- 10 B R	RGDJ- 12 A R	RGDJ- 15 A R
HEAT EXCHANGER, BURNER / MANIFOLD						
6	Stk	Heat Exchanger Assembly w/Insulation	AS-61579-07	AS-61579-04	AS-61579-05	AS-61579-06
		Heat Exchanger Bracket (2)	AE-67846-02	AE-67846-02	AE-67846-02	AE-67846-02
7	Stk	Burner Tube w/Shield - Before F0597	75-22840-02 (4)	75-22840-02 (4)	75-22840-02 (5)	75-22840-02 (6)
7	Stk	Burner Assembly - After F0597	AS-60993-04	AS-60993-04	AS-60993-05	AS-60993-06
8		NOX Burner Insert - Before F0299	AE-61771-01 (4)	AE-61771-01 (4)	AE-61771-01 (5)	AE-61771-01 (6)
8		NOX Insert Assembly (Cross X) - After F0299	AS-67875-01 (3)	AS-67875-01 (3)	AS-67875-01 (4)	AS-67875-01 (5)
9a		NOX Burner Retainer Rod - Before F0299	AE-61715-03	AE-61715-04	AE-61715-05	AE-61715-06
9b		NOX Insert Retainer - After F0299	AE-67872-03	AE-67872-03	AE-67872-04	AE-67872-05
		Burner Support (Holds Burner between the Burner Support Brackets)	AE-61577-03	AE-61577-03	AE-61577-04	AE-61577-05
10		Burner Support Bracket (2) - Before F0597	AE-61588-01	AE-61588-01	AE-61588-01	AE-61588-01
10		Burner Support Bracket (2) - After F0597	AE-61588-02	AE-61588-02	AE-61588-02	AE-61588-02
11	Stk	Manifold (w/o Orifices)	81-23492-03	81-23492-03	81-23492-04	81-23492-05
		Burner Orifice - Natural Gas	See Orifice Selection Chart			
		Burner Orifice - LP	See Orifice Selection Chart			
		Number of Orifices	(4)	(4)	(5)	(6)

No.	Notes	MODEL GAS CODE (TYPE)	RGDJ EB (HSI)		
GAS CONTROLS - HONEYWELL					
25	Stk	Gas Valve - Natural Gas	60-22866-01		
25	Stk,1	Gas Valve - LP	See Note 1		
12	Stk	Integrated Furnace Control Board (IFC)	62-24268-01		
	Stk	Flame Sensor	62-23543-01		
26	Stk	Ignitor	62-22868-02		
		Ignitor Bracket	AE-61581-01		
		Ignitor Shield	AE-61627-01		
		LP Conversion Kit:			
	Stk	U.S. Models	FP-15		
	Stk	Canadian Models	FP-04		

No.	Notes	MODEL GAS CODE (TYPE)	RGDJ EC (HSI)	RGDJ EU (HSI)	RGDJ EV (HSI)
GAS CONTROLS - WHITE RODGERS					
25	Stk	Gas Valve - Natural Gas	60-23490-01	60-24290-01	60-24290-01
25	Stk,1	Gas Valve - LP	See Note 1	See Note 1	See Note 1
12	Stk	Integrated Furnace Control Board (IFC)	62-24268-01	62-24044-01	62-24084-01
	Stk	Flame Sensor	62-23543-01	62-23543-01	62-23543-01
26	Stk	Ignitor	62-22868-02	62-22868-02	62-22868-02
		Ignitor Bracket	AE-61581-01	AE-61581-01	AE-61581-01
		Ignitor Shield	AE-61627-01	AE-61627-01	AE-61627-01
		LP Conversion Kit:			
	Stk	U.S. Models	FP-15	FP-15	FP-15
	Stk	Canadian Models	FP-04	FP-04	FP-04

No.	Notes	MODEL GAS CODE (TYPE)	RGDJ EZ (HSI)		
GAS CONTROLS - ROBERTSHAW					
25	Stk	Gas Valve - Natural Gas	60-24350-01		
25	Stk,1	Gas Valve - LP	See Note 1		
12	Stk	Integrated Furnace Control Board (IFC)	62-24268-01		
	Stk	Flame Sensor	62-23543-01		
26	Stk	Ignitor	62-22868-02		
		Ignitor Bracket	AE-61581-01		
		Ignitor Shield	AE-61627-01		
		LP Conversion Kit:			
	Stk	U.S. Models	FP-15		
	Stk	Canadian Models	FP-04		

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.).

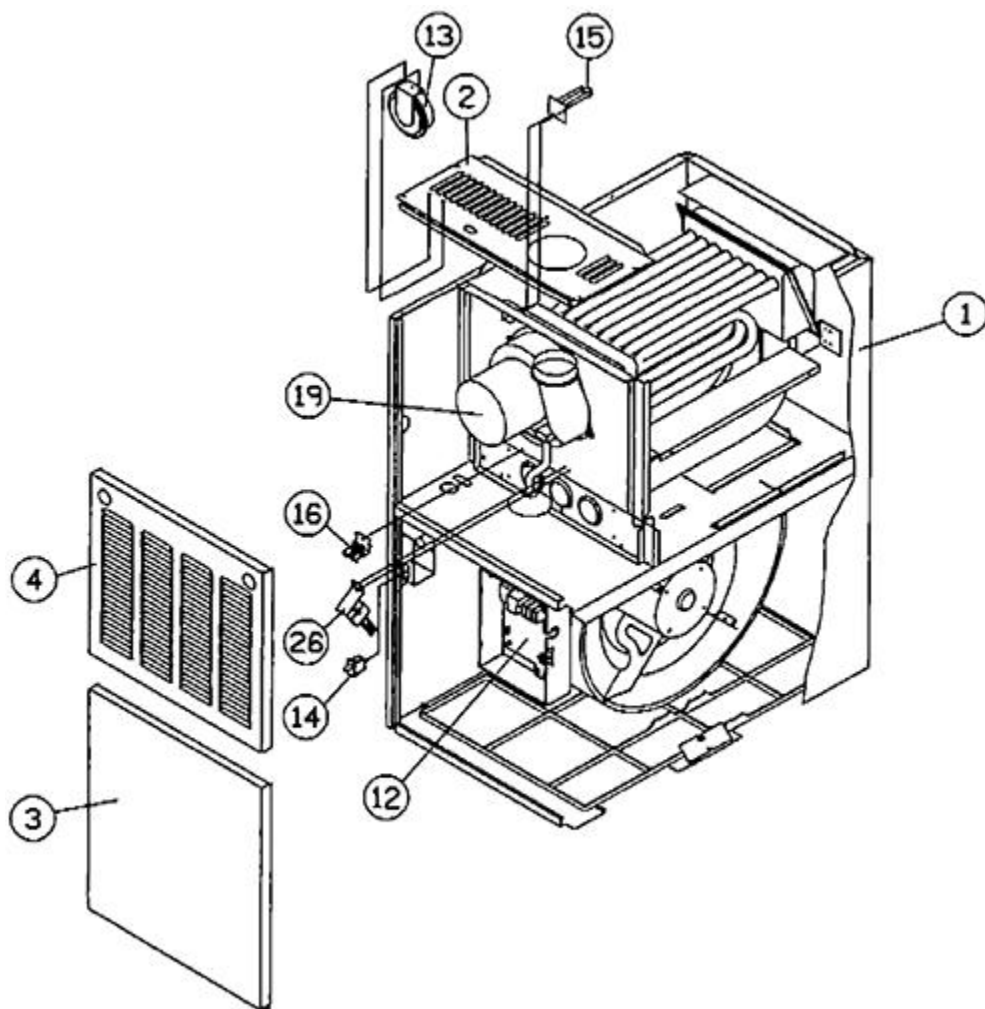
For detailed information and instructions for Orifice selection, see the Gas Furnace LP Conversion Kit Index 92-21519-59 and the latest edition of the National Fuel Gas Code Handbook (NFG), or the National Standard of Canada, Natural Gas and Propane Installation Code, CAN B149.1.

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.

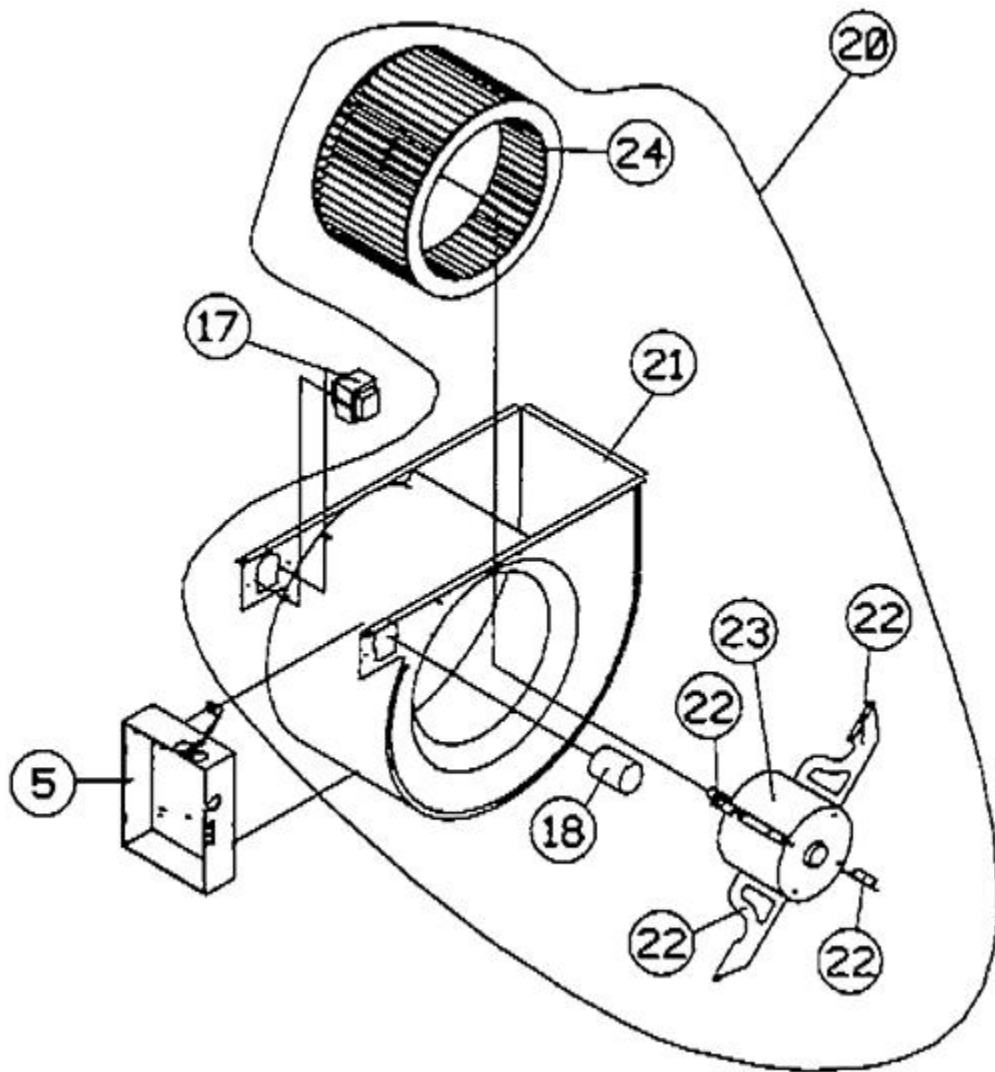
NOTE: This Orifice sizing chart is based on 25,000 BTU/HR per burner. Also, the chart is developed using the specified pressure setting of 10 in. water column instead of the 11.0 in water column used by the NFG and CANB149.1.

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

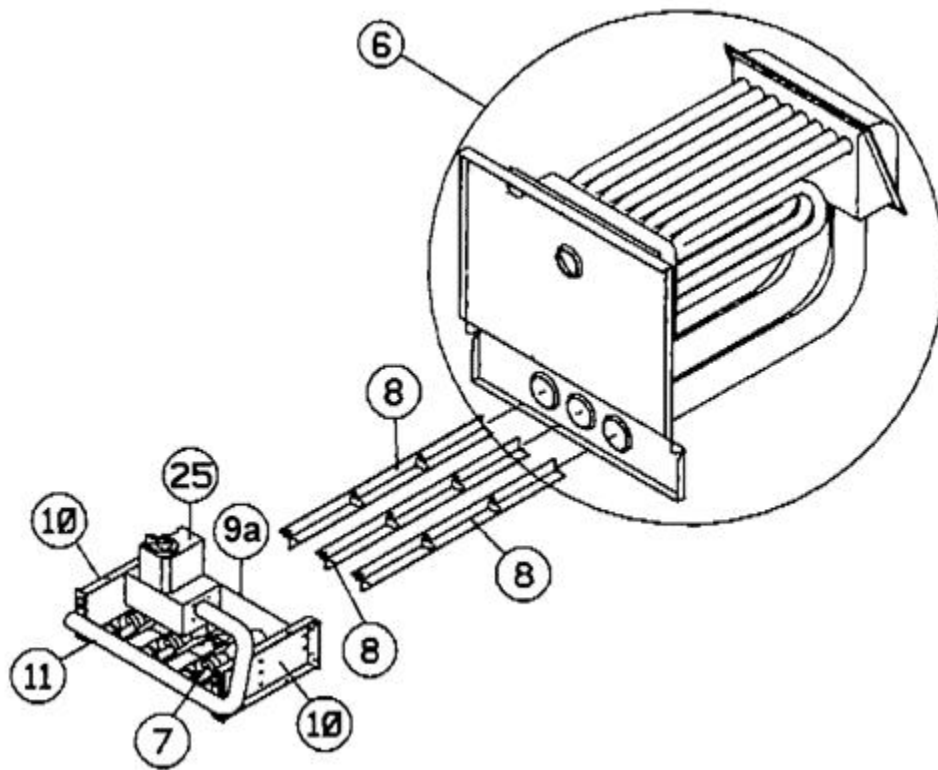
Elevation (ft.)	Orifice							
0 - 2000	62-22175-54							
2001 - 3000	62-22175-54							
3001 - 4000	62-22175-54							
4001 - 5000	62-22175-54							
5001 - 6000	62-22175-54							
6001 - 7000	62-22175-54							
7001 - 8000	62-22175-55							
8001 - 9000	62-22175-55							
9001 - 10000	62-22175-55							



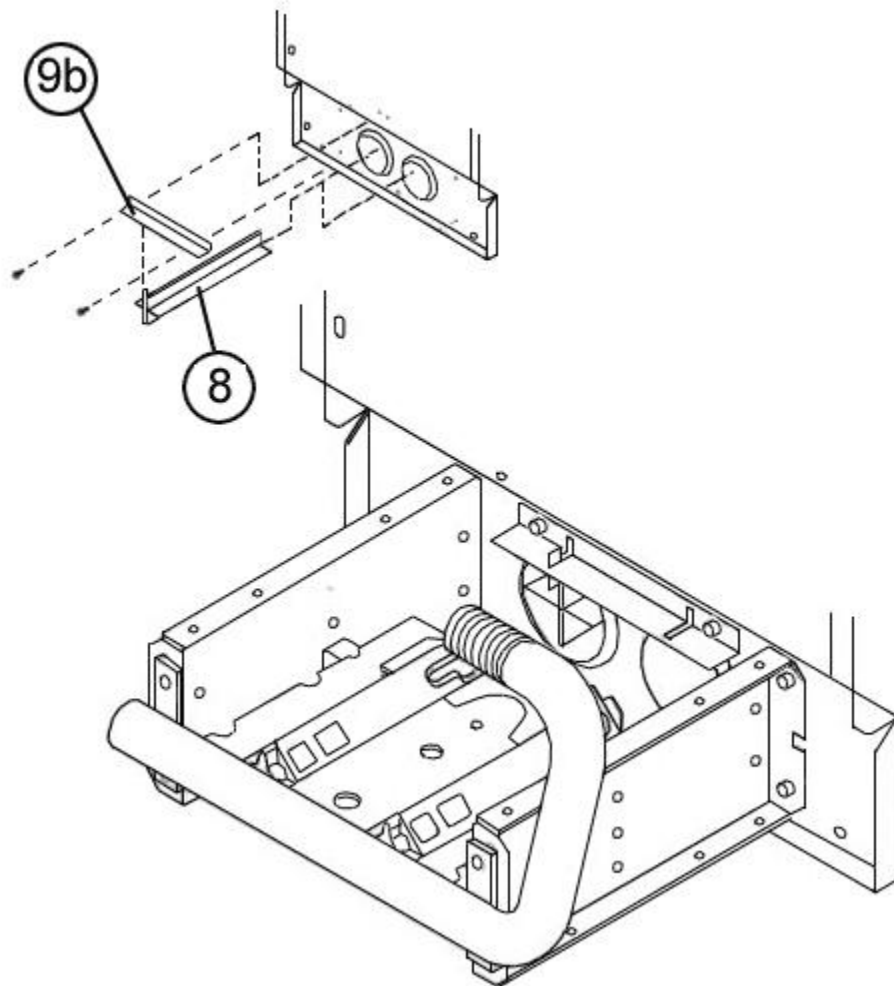
Exploded View



Blower Assembly



Heat Exchanger Assembly



NOX Insert Assembly after F0299

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.

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 92-42800-RGDJ supersedes all previous parts lists for these models. See <http://www.rheempartslists.net/92-42800-RGDJ> 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.