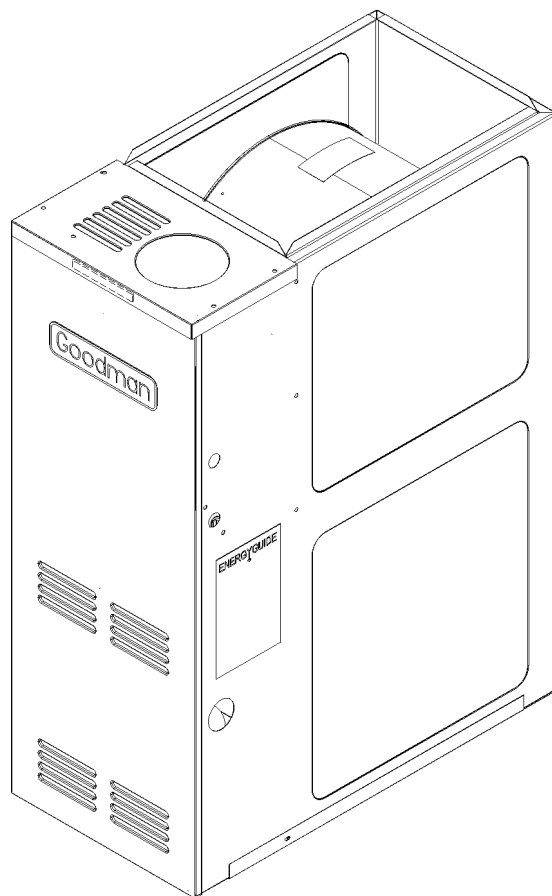




REPAIR PARTS

GDH8 80% Two-Stage Hybrid Dedicated Downflow Gas Furnace

GDH80453AXAA
GDH80453AXAB
GDH80453AXAC
GDH80703AXAA
GDH80703AXAB
GDH80703AXAC
GDH80904BXAA
GDH80904BXAB
GDH80904BXAC
GDH81155CXAA
GDH81155CXAB
GDH81155CXAC



Goodman Manufacturing Company, L.P.
5151 San Felipe, Suite 500
Houston, TX 77056

www.goodmanmfg.com

RP-425A
August 2007

Important Information

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Views shown are for parts illustrations only, not servicing procedures

Rev. A: Added models GDH80453AXAC, GDH80703AXAC, , GDH80904BXAC, and GDH81155CXAC.

Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example M1 - Model#1 M2 - Model#2 M3 - Model#3

Goodman Manufacturing Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

For assistance within the U.S.A. contact:
Consumer Affairs Department
Goodman Manufacturing Company, L.P.
7401 Security Way
Houston, Texas 77040
877-254-4729-Telephone
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:
International Division
Goodman Manufacturing Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: Description:

Part No:	Description:														
B1370155	AUXILIARY LIMIT SWITCH 120°F	IO-295B	INSTALLATION INSTRUCTIONS												
CAP125000370RPS	CAPACITOR 12.5/370V (M1, M2, M3, M4, M5, M6)	IO-669	INSTALLATION INSTRUCTIONS-HUMIDIFIER												
CAP200000370RPS	CAPACITOR 20/370V (M7, M8, M9, M10, M11, M12)	0161F00000P	NAMEPLATE												
0130F00010	FLAME SENSOR	RP-425A	REPAIR PARTS MANUAL												
B4026005	GAS MANIFOLD 2 CELL (M1, M3)	HI-115A	USERS MANUAL												
B4026005	GAS MANIFOLD 2 CELL (M2)	Expanded Model Nomenclature													
B4026006	GAS MANIFOLD 3 CELL (M5)	<table border="1"> <tr><td>M1 - GDH80453AXAA</td></tr> <tr><td>M2 - GDH80453AXAB</td></tr> <tr><td>M3 - GDH80453AXAC</td></tr> <tr><td>M4 - GDH80703AXAA</td></tr> <tr><td>M5 - GDH80703AXAB</td></tr> <tr><td>M6 - GDH80703AXAC</td></tr> <tr><td>M7 - GDH80904BXAA</td></tr> <tr><td>M8 - GDH80904BXAB</td></tr> <tr><td>M9 - GDH80904BXAC</td></tr> <tr><td>M10 - GDH81155CXAA</td></tr> <tr><td>M11 - GDH81155CXAB</td></tr> <tr><td>M12 - GDH81155CXAC</td></tr> </table>		M1 - GDH80453AXAA	M2 - GDH80453AXAB	M3 - GDH80453AXAC	M4 - GDH80703AXAA	M5 - GDH80703AXAB	M6 - GDH80703AXAC	M7 - GDH80904BXAA	M8 - GDH80904BXAB	M9 - GDH80904BXAC	M10 - GDH81155CXAA	M11 - GDH81155CXAB	M12 - GDH81155CXAC
M1 - GDH80453AXAA															
M2 - GDH80453AXAB															
M3 - GDH80453AXAC															
M4 - GDH80703AXAA															
M5 - GDH80703AXAB															
M6 - GDH80703AXAC															
M7 - GDH80904BXAA															
M8 - GDH80904BXAB															
M9 - GDH80904BXAC															
M10 - GDH81155CXAA															
M11 - GDH81155CXAB															
M12 - GDH81155CXAC															
B4026006	GAS MANIFOLD 3 CELL (M4, M6)														
B4026007	GAS MANIFOLD 4 CELL (M8)														
B4026007	GAS MANIFOLD 4 CELL (M7, M9)														
B4026008	GAS MANIFOLD 5 CELL (M10, M12)														
B4026008	GAS MANIFOLD 5 CELL (M11)														
0151F00000P	GAS VALVE														
0130F00006S	IGNITION BOARD, HSI INTEGRATED 2 STG														
0130F00008S	IGNITOR 17 SEC														
B4022700	INSHOT BURNER ASSY 3" (QTY 2)														
B1340024S	MOTOR 1/2 HP, 4 SP, 6 PL (M7, M8, M9, M10, M11, M12)														
B1340025S	MOTOR 1/3 HP, 4 SP, 6 PL (M1, M2, M3, M4, M5, M6)														
10716003	ORIFICE (M2, M5, M8, M11)														
10716003	ORIFICE (M1, M3, M4, M6, M7, M9, M10, M12)														
B1370150	PRESSURE SWITCH (M10)														
B1370142	PRESSURE SWITCH 0.60" WC (M1, M2, M3, M4, M5, M6, M8, M9)														
B1370158	PRESSURE SWITCH -0.7" WC (M11, M12)														
B1370179	PRESSURE SWITCH 0.75" WC (M7)														
0130F00015	PRIMARY LIMIT 280° (M7, M9)														
0130F00015	PRIMARY LIMIT 280° (M8)														
B1370194	PRIMARY LIMIT SWITCH 250°F (M2, M5, M11)														
B1370194	PRIMARY LIMIT SWITCH 250°F (M1, M3, M4, M6, M10, M12)														
B1370145	ROLLOUT SWITCH 300 W/O BRACKET														
B1141605	TRANSFORMER 120V TO 24V, 40VA														
0131M00002S	VENT MOTOR 80+ (M1, M3, M4, M6, M7, M9, M10, M12)														
0131F00006S	VENT MOTOR, SINGLE STAGE ROUNDNOSE (M2, M5, M8, M11)														
0259F00033	WIRE HARNESS ASSY, 12-PIN HYBRID														
0259F00009P	WIRE HARNESS ASSY, FM 15-PIN														
0259F00032	WIRE HARNESS ASSY, IGNITOR 2-PIN														
0259F00035	WIRE HARNESS ASSY, M 15-15 PIN														

SPECIAL PARTS

Cabinet and Control Panel

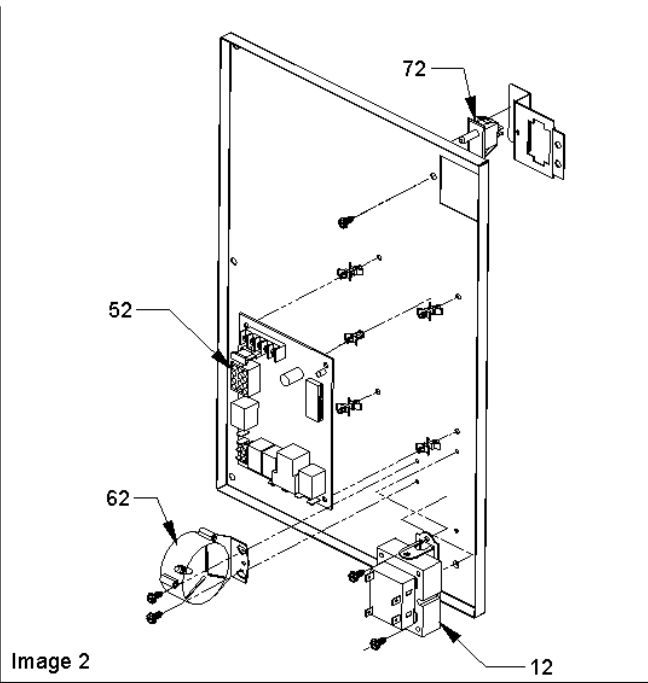
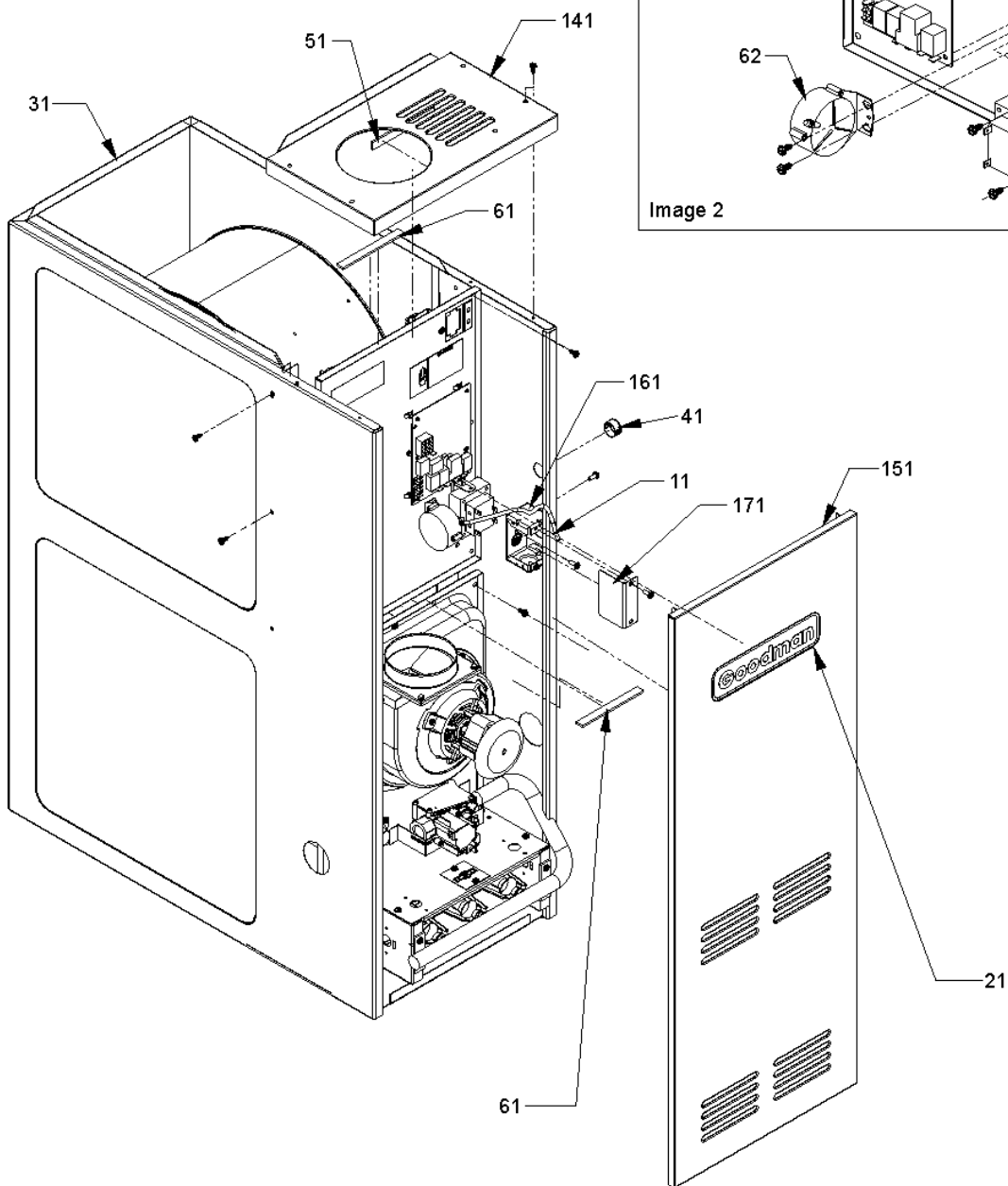


Image 1

Cabinet and Control Panel

Ref Part No:	Description:	Ref. Part No:	Description:
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Image 1:

11	A3468601	PRESSURE SWITCH HOSE
21	0161F00000P	NAMEPLATE
31	4026537	INSULATED ASSY, WRAPPER 14" (M1, M2, M3, M4, M5, M6)
31	4026538	INSULATED ASSY, WRAPPER 17.5" (M7, M8, M9)
31	4026539	INSULATED ASSY, WRAPPER 21" (M10, M11, M12)
41	B1392104	UNIVERSAL BUSHING UB 875
51	B13926111	SEAL STRIP 1/8 X 1/2 X 14 (M1, M2, M3, M4, M5, M6)
61	B13926112	SEAL STRIP 1/8 X 1/2 X 17.5 (M7, M8, M9)
61	B13926113	SEAL STRIP 1/8 X 1/2 X 21 (M10, M11, M12)
141	0221F00000PDG	TOP 14" (M1, M2, M3, M4, M5, M6)
141	0221F00001PDG	TOP 17.5" (M7, M8, M9)
141	0221F00002PDG	TOP 21" (M10, M11, M12)
151	0221F00008PDG	ACCESS DOOR 14" (M1, M2, M3, M4, M5, M6)
151	0221F00009PDG	ACCESS DOOR 17.5" (M7, M8, M9)
151	0221F00010PDG	ACCESS DOOR 21" (M10, M11, M12)
161	4014502	J-BOX
171	4015502	J-BOX COVER
NS	0259F00033	WIRE HARNESS ASSY, 12-PIN HYBRID

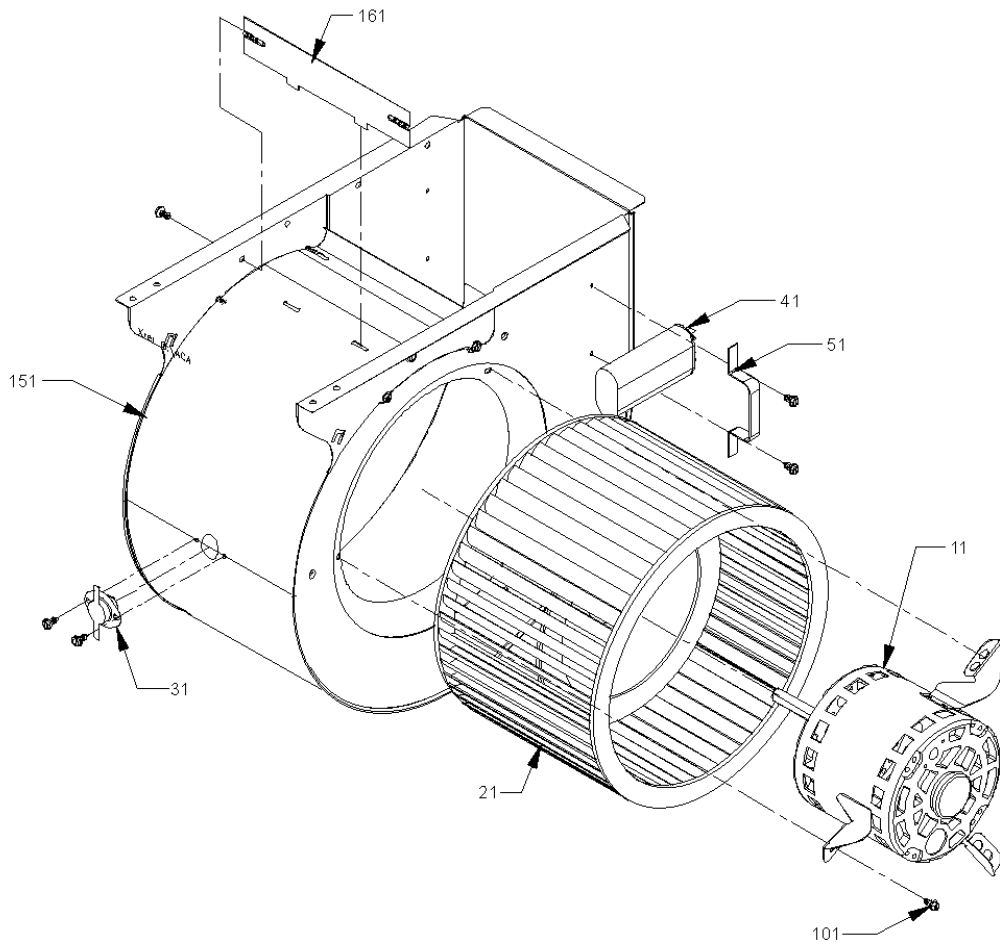
Image 2:

12	B1141605	TRANSFORMER 120V TO 24V, 40VA
52	0130F00006S	IGNITION BOARD, HSI INTEGRATED 2 STG
62	B1370150	PRESSURE SWITCH (M10)
62	B1370142	PRESSURE SWITCH 0.60" WC (M1, M2, M3, M4, M5, M6, M8, M9)
62	B1370158	PRESSURE SWITCH -0.7" WC (M11, M12)
62	B1370179	PRESSURE SWITCH 0.75" WC (M7)
72	B1370819	DOOR SWITCH

Expanded Model Nomenclature

- | |
|--------------------|
| M1 - GDH80453AXAA |
| M2 - GDH80453AXAB |
| M3 - GDH80453AXAC |
| M4 - GDH80703AXAA |
| M5 - GDH80703AXAB |
| M6 - GDH80703AXAC |
| M7 - GDH80904BXAA |
| M8 - GDH80904BXAB |
| M9 - GDH80904BXAC |
| M10 - GDH81155CXAA |
| M11 - GDH81155CXAB |
| M12 - GDH81155CXAC |

Blower Assembly



Blower Assembly

Ref Part No:	Description:	Ref. Part No:	Description:
--------------	--------------	---------------	--------------

Image 1:

11	B1340024S	MOTOR 1/2 HP, 4 SP, 6 PL (M7, M8, M9, M10, M11, M12)
11	B1340025S	MOTOR 1/3 HP, 4 SP, 6 PL (M1, M2, M3, M4, M5, M6)
21	B1368047A	BLOWER WHEEL 10 X 10 (M10, M11, M12)
21	B1368034S	BLOWER WHEEL 10 X 6 (M1, M2, M3, M4, M5, M6)
21	B1368016S	BLOWER WHEEL 10 X 8 (M7, M8, M9)
31	B1370155	AUXILIARY LIMIT SWITCH 120°F
41	CAP125000370RPSCAPACITOR 12.5/370V (M1, M2, M3, M4, M5, M6)	
41	CAP200000370RPSCAPACITOR 20/370V (M7, M8, M9, M10, M11, M12)	
51	1284835	CAPACITOR STRAP
101	B1393331	MACHINE SCREW, 1/4-20 TYPE F SLOTTED (QTY 3)
151	2539307S	BLOWER SHELL ASSY 10 X 10 (M10, M11, M12)
151	2539305S	BLOWER SHELL ASSY 10 X 6 (M1, M2, M3, M4, M5, M6)
151	2539306S	BLOWER SHELL ASSY 10 X 8 (M7, M8, M9)
161	764741F	BLOWER BLOCK-OFF 10 X 10 (M10, M11, M12)
161	764739	BLOWER BLOCK-OFF 10 X 6 (M1, M2, M3, M4, M5, M6)
161	764740F	BLOWER BLOCK-OFF 10 X 8 (M7, M8, M9)

Expanded Model Nomenclature

M1 - GDH80453AXAA
M2 - GDH80453AXAB
M3 - GDH80453AXAC
M4 - GDH80703AXAA
M5 - GDH80703AXAB
M6 - GDH80703AXAC
M7 - GDH80904BXAA
M8 - GDH80904BXAB
M9 - GDH80904BXAC
M10 - GDH81155CXAA
M11 - GDH81155CXAB
M12 - GDH81155CXAC

Heat Exchanger Assy/Flue Collector Box w/Separate Chimney Assy

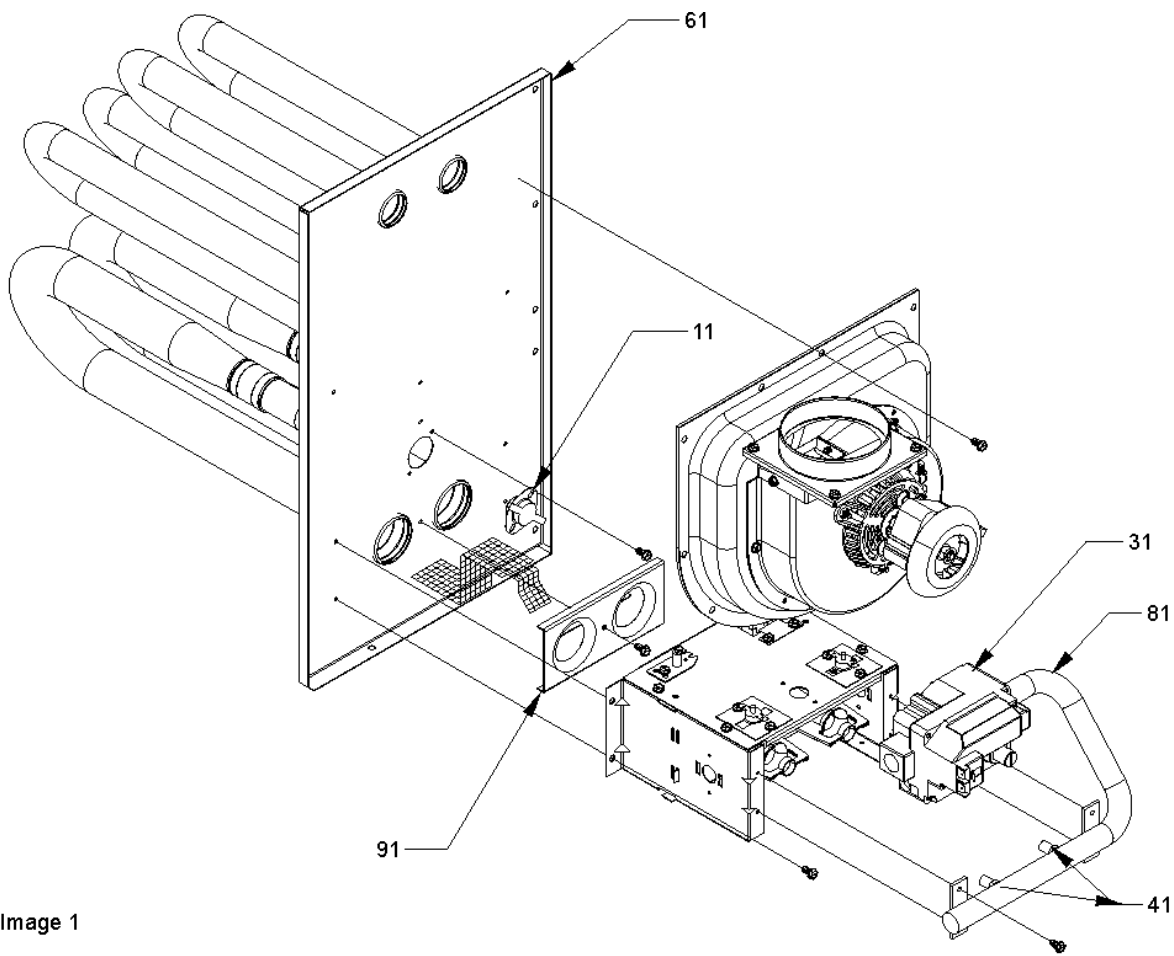
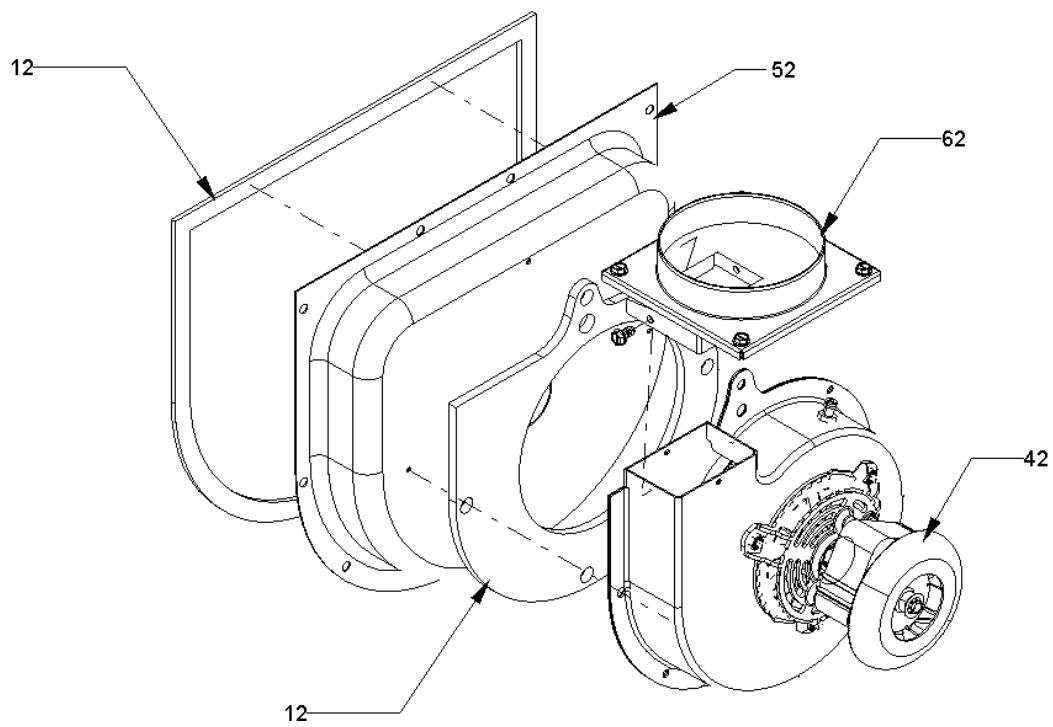


Image 1

Image 2



Heat Exchanger Assy/Flue Collector Box w/Separate Chimney Assy

Ref Part No:	Description:	Ref. Part No:	Description:
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Image 1:

11	0130F00015	PRIMARY LIMIT 280° (M7, M9)
11	B1370194	PRIMARY LIMIT SWITCH 250°F (M1, M3, M4, M6, M10, M12)
31	0151F00000P	GAS VALVE (M1, M3, M4, M6, M7, M9, M10, M12)
41	10716003	ORIFICE (M1, M3, M4, M6, M7, M9, M10, M12)
61	4021300S	HEAT EXCHANGER SUB-ASSY 2 CELL, 14" (M1, M3)
61	4021307S	HEAT EXCHANGER SUB-ASSY 3 CELL, 14" (M4, M6)
61	4021309S	HEAT EXCHANGER SUB-ASSY 4 CELL, 17.5" (M7, M9)
61	4021311S	HEAT EXCHANGER SUB-ASSY 5 CELL, 21" (M10, M12)
81	B4026005	GAS MANIFOLD 2 CELL (M1, M3)
81	B4026006	GAS MANIFOLD 3 CELL (M4, M6)
81	B4026007	GAS MANIFOLD 4 CELL (M7, M9)
81	B4026008	GAS MANIFOLD 5 CELL (M10, M12)
91	4028000	ORIFICE PLATE 2 CELL (M1, M3)
91	4028001	ORIFICE PLATE 3 CELL (M4, M6)
91	4028002	ORIFICE PLATE 4 CELL (M7, M9)
91	4028003	ORIFICE PLATE 5 CELL (M10, M12)

Image 2:

12	B1392633	VENT MOTOR GASKET 14" (M1, M3, M4, M6)
12	B1392634	VENT MOTOR GASKET 17.5" (M7, M9)
12	B1392635	VENT MOTOR GASKET 21" (M10, M12)
42	0131M00002S	VENT MOTOR 80+ (M1, M3, M4, M6, M7, M9, M10, M12)
52	4010012S	FLUE COLLECTOR BOX 14.0" 1.500 MOD A (M1, M3)
52	4010013S	FLUE COLLECTOR BOX 14.0" 2.000 MOD A (M4, M6)
52	4010015S	FLUE COLLECTOR BOX 17.5" 2.000 MOD A (M7, M9)
52	4010017S	FLUE COLLECTOR BOX 21.0" 2.250 MOD A (M10, M12)
62	4053501S	CHIMNEY ASSEMBLY (M1, M3, M4, M6, M7, M9, M10, M12)

Expanded Model Nomenclature

M1 - GDH80453AXAA
M2 - GDH80453AXAB
M3 - GDH80453AXAC
M4 - GDH80703AXAA
M5 - GDH80703AXAB
M6 - GDH80703AXAC
M7 - GDH80904BXAA
M8 - GDH80904BXAB
M9 - GDH80904BXAC
M10 - GDH81155CXAA
M11 - GDH81155CXAB
M12 - GDH81155CXAC

Heat Exchanger Assy/Flue Collector Box w/Built-in Chimney Assy

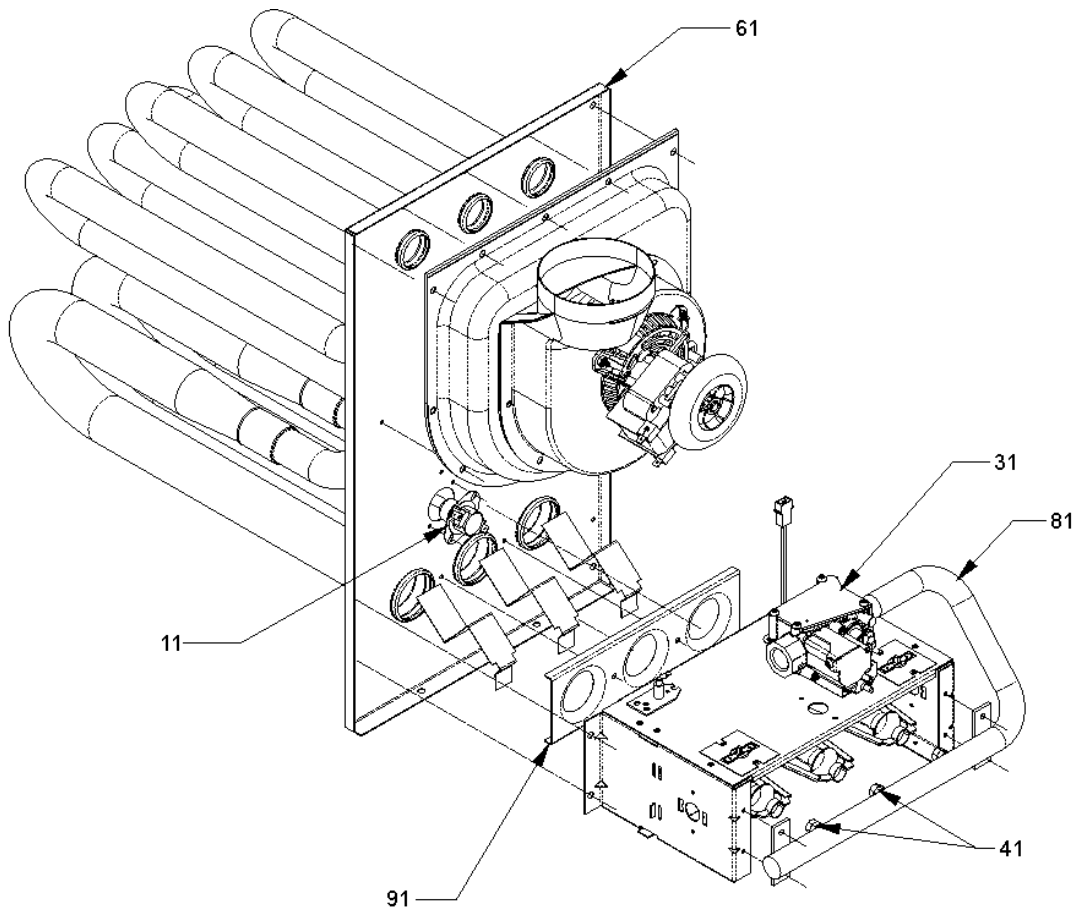
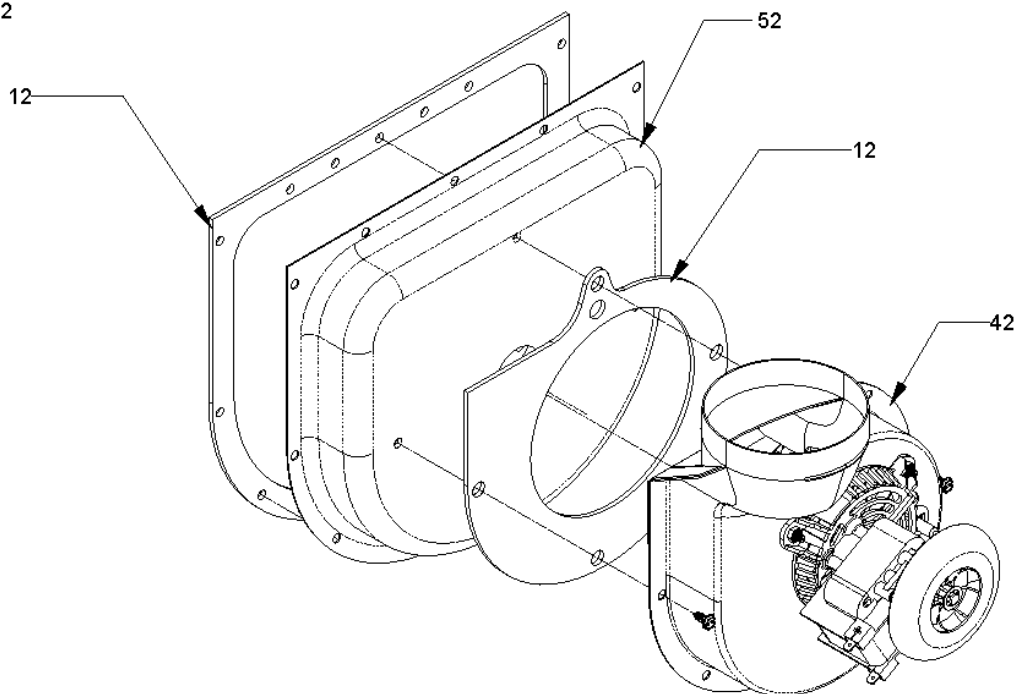


Image 1

Image 2



Heat Exchanger Assy/Flue Collector Box w/Built-in Chimney Assy

Ref Part No:	Description:	Ref. Part No:	Description:
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Image 1:

11	0130F00015	PRIMARY LIMIT 280° (M8)
11	B1370194	PRIMARY LIMIT SWITCH 250°F (M2, M5, M11)
31	0151F00000P	GAS VALVE (M2, M5, M8, M11)
41	10716003	ORIFICE (M2, M5, M8, M11)
61	4021300S	HEAT EXCHANGER SUB-ASSY 2 CELL, 14" (M2)
61	4021307S	HEAT EXCHANGER SUB-ASSY 3 CELL, 14" (M5)
61	4021309S	HEAT EXCHANGER SUB-ASSY 4 CELL, 17.5" (M8)
61	4021311S	HEAT EXCHANGER SUB-ASSY 5 CELL, 21" (M11)
81	B4026005	GAS MANIFOLD 2 CELL (M2)
81	B4026006	GAS MANIFOLD 3 CELL (M5)
81	B4026007	GAS MANIFOLD 4 CELL (M8)
81	B4026008	GAS MANIFOLD 5 CELL (M11)
91	4028000	ORIFICE PLATE 2 CELL (M2)
91	4028001	ORIFICE PLATE 3 CELL (M5)
91	4028002	ORIFICE PLATE 4 CELL (M8)
91	4028003	ORIFICE PLATE 5 CELL (M11)

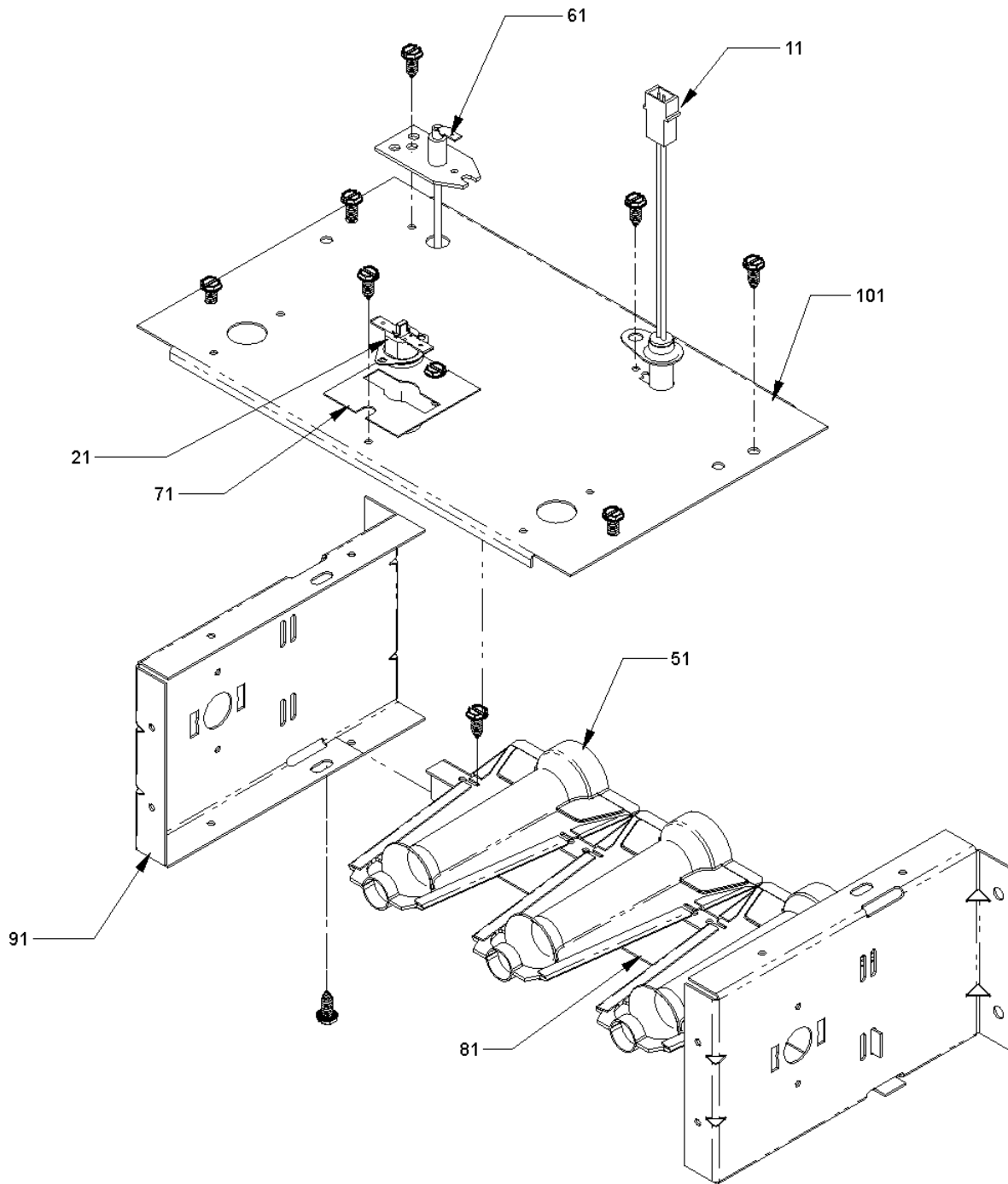
Image 2:

12	B1392633	VENT MOTOR GASKET 14" (M2, M5)
12	B1392634	VENT MOTOR GASKET 17.5" (M8)
12	B1392635	VENT MOTOR GASKET 21" (M11)
42	0131F00006S	VENT MOTOR, SINGLE STAGE ROUNDNOSE (M2, M5, M8, M11)
52	4010012S	FLUE COLLECTOR BOX 14.0" 1.500 MOD A (M2)
52	4010013S	FLUE COLLECTOR BOX 14.0" 2.000 MOD A (M5)
52	4010015S	FLUE COLLECTOR BOX 17.5" 2.000 MOD A (M8)
52	4010017S	FLUE COLLECTOR BOX 21.0" 2.250 MOD A (M11)

Expanded Model Nomenclature

M1 - GDH80453AXAA
M2 - GDH80453AXAB
M3 - GDH80453AXAC
M4 - GDH80703AXAA
M5 - GDH80703AXAB
M6 - GDH80703AXAC
M7 - GDH80904BXAA
M8 - GDH80904BXAB
M9 - GDH80904BXAC
M10 - GDH81155CXAA
M11 - GDH81155CXAB
M12 - GDH81155CXAC

Burner Box



Burner Box

Ref Part No:	Description:	Ref. Part No:	Description:
<i>Image 1:</i>			
11	0130F00010		FLAME SENSOR
21	B1370145		ROLLOUT SWITCH 300 W/O BRACKET
51	B4022700		INSHOT BURNER ASSY 3" (QTY 2)
61	0130F00008S		IGNITOR 17 SEC
71	2509503		BRACKET, ROLLOUT SWITCH
81	2513500		BURNER RACK, 2 CELL (M1, M2, M3)
81	2513501		BURNER RACK, 3 CELL (M4, M5, M6)
81	2513502		BURNER RACK, 4 CELL (M7, M8, M9)
81	2513503		BURNER RACK, 5 CELL (M10, M11, M12)
91	2514000		SIDE PLATE, BURNER BOX (QTY 2)
101	4013010		BURNER BOX TOP 2 CELL (M1, M2, M3)
101	4013011		BURNER BOX TOP 3 CELL (M4, M5, M6)
101	4013012		BURNER BOX TOP 4 CELL (M7, M8, M9)
101	4013013		BURNER BOX TOP 5 CELL (M10, M11, M12)
NS	0259F00032		WIRE HARNESS ASSY, IGNITOR 2-PIN

Expanded Model Nomenclature

M1 - GDH80453AXAA
M2 - GDH80453AXAB
M3 - GDH80453AXAC
M4 - GDH80703AXAA
M5 - GDH80703AXAB
M6 - GDH80703AXAC
M7 - GDH80904BXAA
M8 - GDH80904BXAB
M9 - GDH80904BXAC
M10 - GDH81155CXAA
M11 - GDH81155CXAB
M12 - GDH81155CXAC