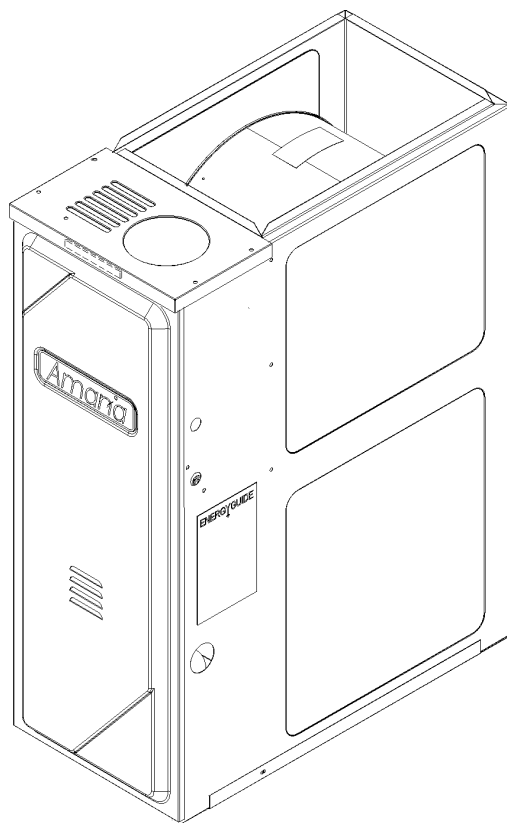


ADV8*BA Two-Stage Variable Speed Downflow Furnaces

ADV80703BXBA
ADV80703BXBB
ADV80905CXBA
ADV80905CXBB
ADV81155CXBA
ADV81155CXBB



Important Information

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Functional Parts List	3
Illustration and Parts	4 - 13

Views shown are for parts illustrations only, not servicing procedures

Rev. A: Added "BB" models.

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 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 Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations. Amana® brand products are proudly made in the USA.

For assistance within the U.S.A. contact:

Consumer Affairs Department

Goodman 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 Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No: Description:

Expanded Model Nomenclature

B4022700	ASSY, INSHOT BURNER 3" (QTY AR)
0159F00005	ASSY, WIRE HARNESS
0259F00016P	ASSY, WIRE HARNESS - HIGH VOLTAGE 15-PIN
0259F00015P	ASSY, WIRE HARNESS - HIGH VOLTAGE 15-PIN
11118707	ASSY, WIRE HARNESS 16-PIN
B1809927S	BOARD, HSI, 2-STAGE MINI
0130F00010	FLAME SENSOR
B4026006	GAS MANIFOLD, 3 CELL (M1, M2)
B4026007	GAS MANIFOLD, 4 CELL (M3, M4)
B4026008	GAS MANIFOLD, 5 CELL (M5, M6)
0151F00000P	GAS VALVE
0130F00008S	IGNITOR-SINI 17 SEC
B1141666	INDUCTOR, 5.9 AMPS (M3, M4, M5, M6)
B1370155	LIMIT SWITCH, AUXILIARY 120°F
B1370206	LIMIT SWITCH, PRIMARY 180°F (M1, M2)
B1370189	LIMIT SWITCH, PRIMARY 200°F (M3, M4)
B1370190	LIMIT SWITCH, PRIMARY 210°F (M5, M6)
0131F00001PS	MOTOR 1/2 HP VARIABLE SPEED (M1, M2)
B13400914GBS	MOTOR 3/4 HP (M5, M6)
0131F00002PS	MOTOR 3/4 HP VARIABLE SPEED (M3, M4)
B4089343	ORIFICE (QTY AR)
11177118	PRESSURE SWITCH (M1, M3, M4)
11177121	PRESSURE SWITCH (M2, M5, M6)
B1370145	ROLLOUT SWITCH, 300°F W/O BRACKET
4021315S	SUB-ASSY, HEAT EXCHANGER 3 CELL, 17.5" (M1, M2)
4021317S	SUB-ASSY, HEAT EXCHANGER 4 CELL, 21" (M3, M4)
4021318S	SUB-ASSY, HEAT EXCHANGER 5 CELL, 21" (M5, M6)
B1141605	TRANSFORMER 120V TO 24V, 40VA
0131M00003S	VENT MOTOR, 2-STAGE (M1, M3, M5)
0131M00047S	VENT MOTOR, ROUND NOSE 2-STAGE (M2, M4, M6)

M1 - ADV80703BXBA
M2 - ADV80703BXBB
M3 - ADV80905CXBA
M4 - ADV80905CXBB
M5 - ADV81155CXBA
M6 - ADV81155CXBB

SPECIAL PARTS

HI-115A	HOMEOWNERS INSTRUCTIONS
IO-316	INSTALLATION INSTRUCTIONS
0161M00003P	NAMEPLATE, AMANA
RP-419A	REPAIR PARTS MANUAL

Cabinet and Control Panel

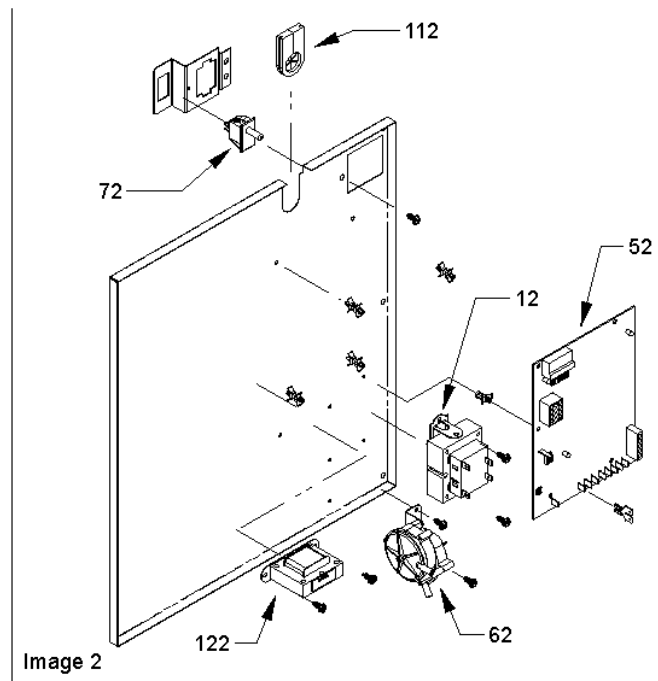


Image 2

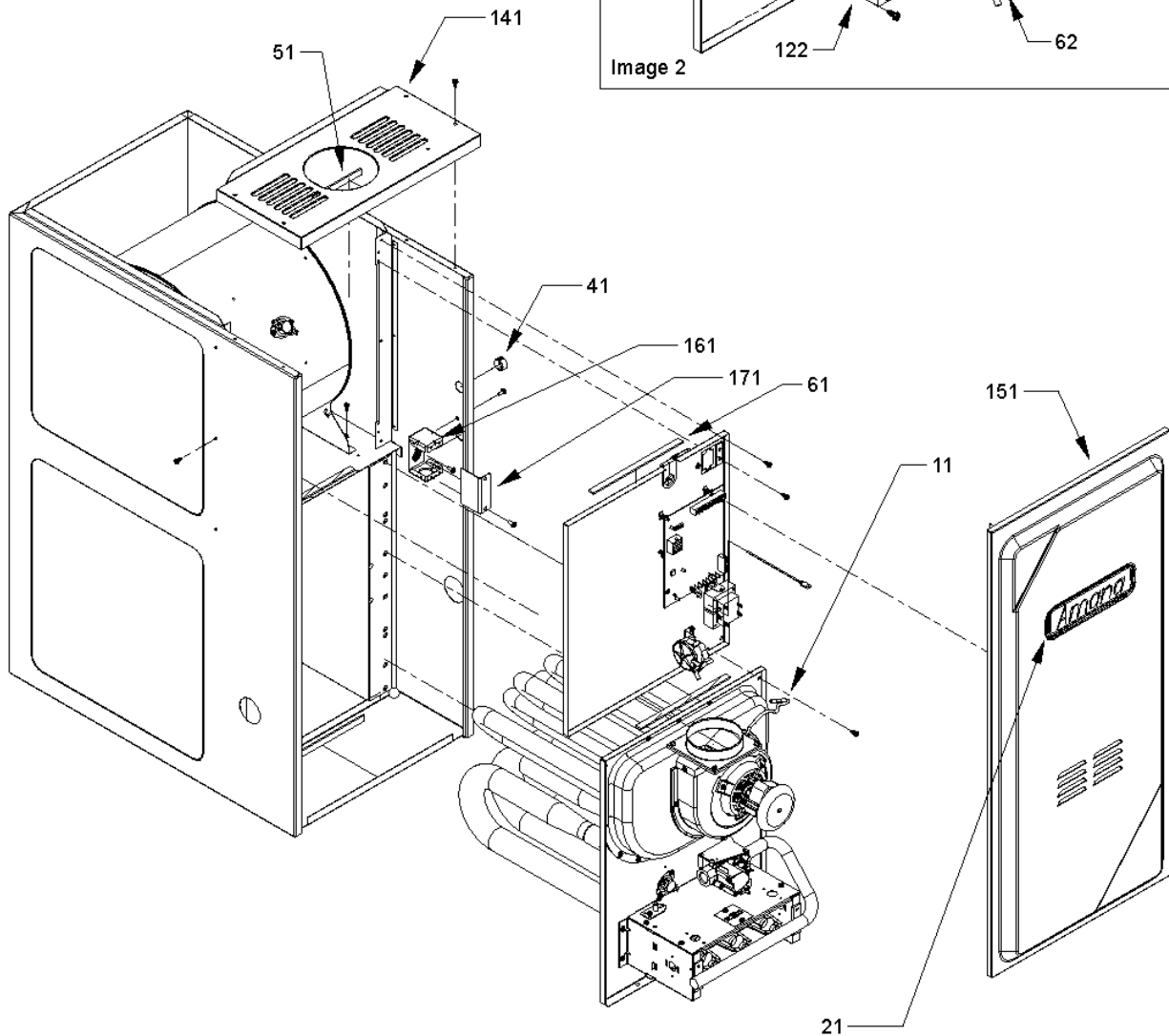


Image 1

Cabinet and Control Panel

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

11	A3468601	PRESSURE SWITCH HOSE
21	0161M00003P	NAMEPLATE, AMANA
41	B1392104	UNIVERSAL BUSHING UB 875
51	B13926111	SEAL STRIP 1/8 X 1/2 X 14
61	B13926112	SEAL STRIP 1/8 X 1/2 X 17.5 (M1, M2)
61	B13926113	SEAL STRIP 1/8 X 1/2 X 21 (M3, M4, M5, M6)
141	0221F00001PDG	TOP, FURNACE 80% 17.5" (M1, M2)
141	0221F00002PDG	TOP, FURNACE 80% 21" (M3, M4, M5, M6)
151	4012012PLG	DOOR, ACCESS 17.5" (M1, M2)
151	4012013PLG	DOOR, ACCESS 21" (M3, M4, M5, M6)
161	4014502	J-BOX
171	4015502	J-BOX COVER
NS	0159F00005	ASSY, WIRE HARNESS

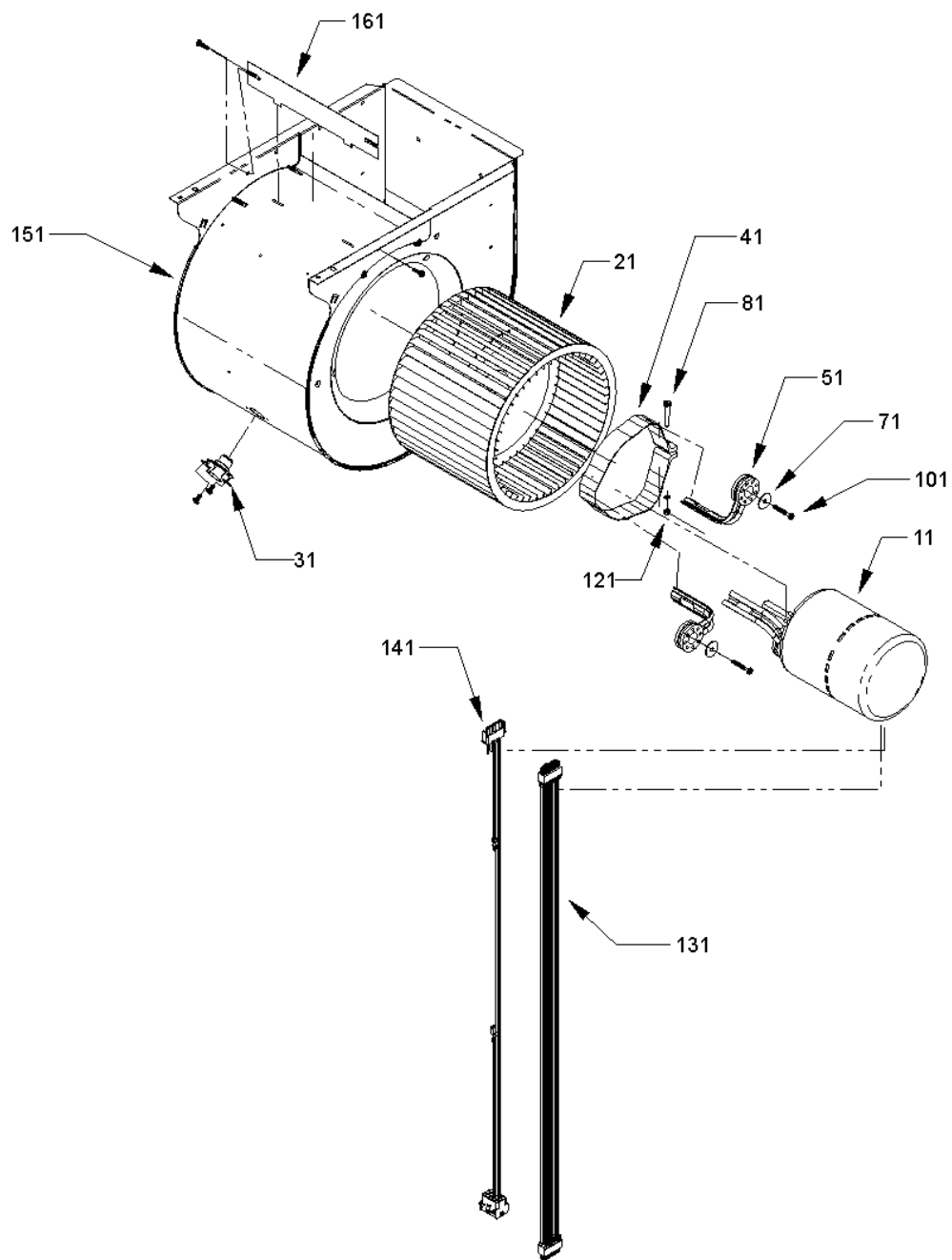
Image 2:

12	B1141605	TRANSFORMER 120V TO 24V, 40VA
52	B1809927S	BOARD, HSI, 2-STAGE MINI
62	11177118	PRESSURE SWITCH (M1, M3, M4)
62	11177121	PRESSURE SWITCH (M2, M5, M6)
72	B1370819	DOOR SWITCH
112	20477501	HORSESHOE GROMMET
122	B1141666	INDUCTOR, 5.9 AMPS (M3, M4, M5, M6)
NS	0259F00029	HARNESS ASSY, INDUCTOR

Expanded Model Nomenclature

M1 - ADV80703BXBA
M2 - ADV80703BXBB
M3 - ADV80905CXBA
M4 - ADV80905CXBB
M5 - ADV81155CXBA
M6 - ADV81155CXBB

Blower Assembly



Blower Assembly

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

11	0131F00001PS	MOTOR 1/2 HP VARIABLE SPEED (M1, M2)
11	B13400914GBS	MOTOR 3/4 HP (M5, M6)
11	0131F00002PS	MOTOR 3/4 HP VARIABLE SPEED (M3, M4)
21	0150M00035	BLOWER WHEEL 10 X 10 (M3, M4, M5, M6)
21	B1368016S	BLOWER WHEEL 10 X 8 (M1, M2)
31	B1370155	LIMIT SWITCH, AUXILIARY 120°F
41	B1376851	MOTOR MOUNT BAND
51	B1376853	MOTOR MOUNT ARM (QTY 3)
81	B1393323	SCREW, MACH HWH 1/4-20X1 1/2 BZ
101	B1393527	SCREW, HWH, 14X1-1/2, A, BZ, SLOT (QTY 3)
121	B1393800	LOCKNUT, NYLON, INSERT 1/4, 20
131	11118707	ASSY, WIRE HARNESS 16-PIN
141	0259F00015P	ASSY, WIRE HARNESS - HIGH VOLTAGE 15-PIN
141	0259F00016P	ASSY, WIRE HARNESS - HIGH VOLTAGE 15-PIN
151	2539307S	ASSY, BLOWER SHELL 10 X 10 (M3, M4, M5, M6)
151	2539306S	ASSY, BLOWER SHELL 10 X 8 (M1, M2)
161	764741	BLOWER BLOCK-OFF 10 X 10 (M3, M4, M5, M6)
161	764740	BLOWER BLOCK-OFF 10 X 8 (M1, M2)

Expanded Model Nomenclature

M1 - ADV80703BXBA
M2 - ADV80703BXBB
M3 - ADV80905CXBA
M4 - ADV80905CXBB
M5 - ADV81155CXBA
M6 - ADV81155CXBB

Heat Exchanger Assy/ Flue Collector Box "BA" models

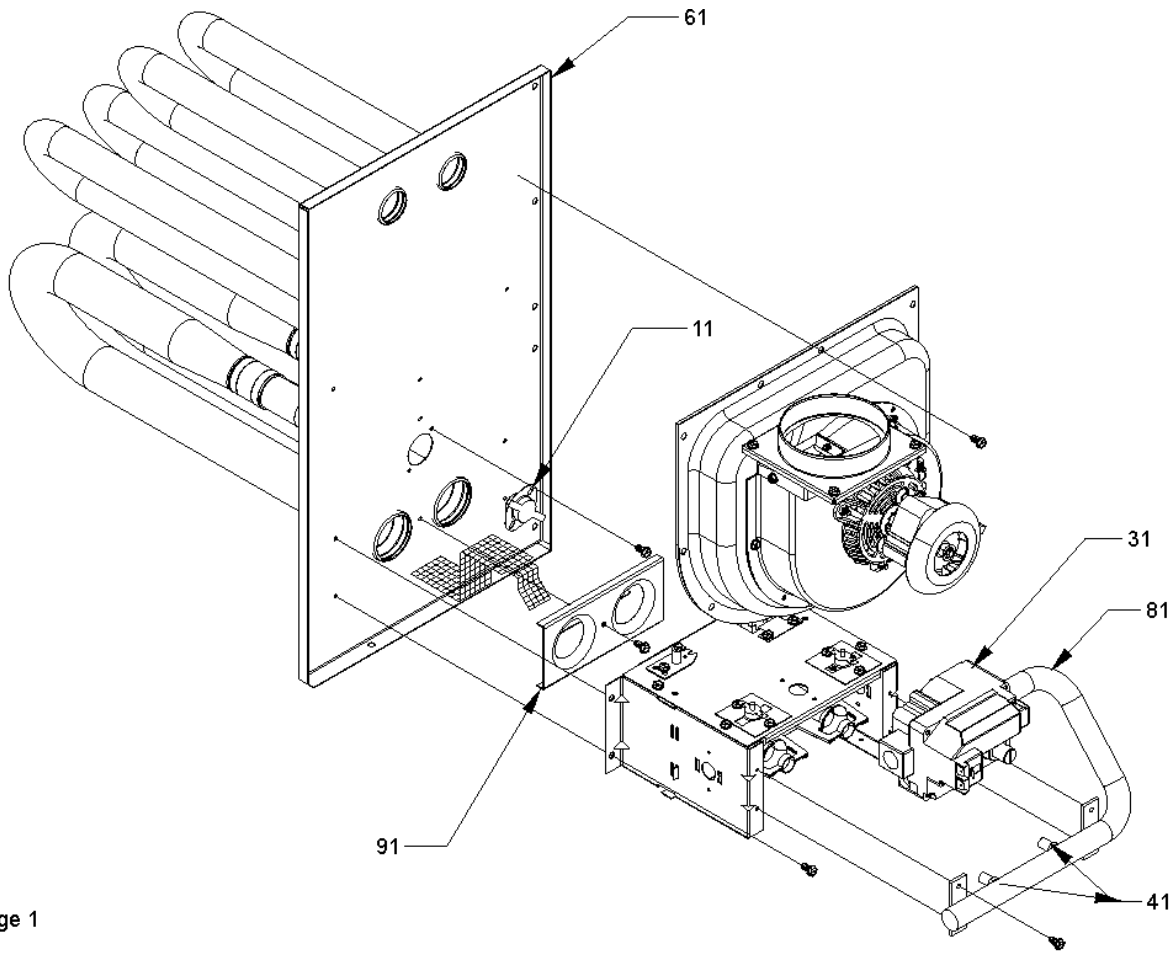
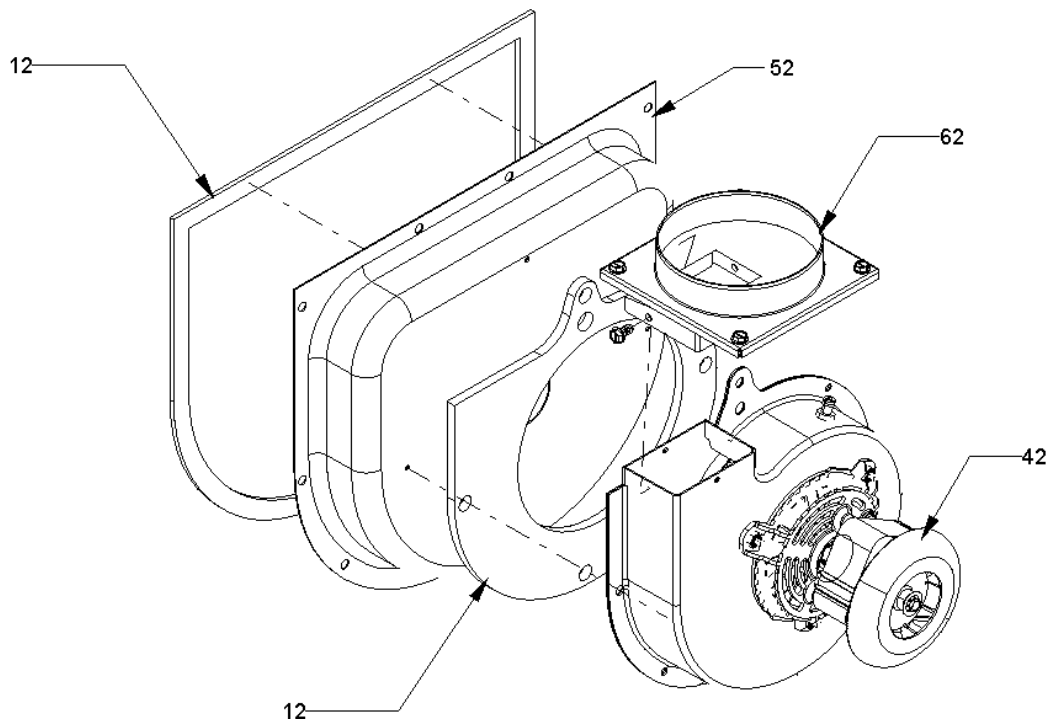


Image 1

Image 2



Heat Exchanger Assy/ Flue Collector Box "BA" models

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

11	B1370206	LIMIT SWITCH, PRIMARY 180°F (M1)
11	B1370189	LIMIT SWITCH, PRIMARY 200°F (M3)
11	B1370190	LIMIT SWITCH, PRIMARY 210°F (M5)
31	0151F00000P	GAS VALVE (M1, M3, M5)
41	B4089343	ORIFICE (M1, M3, M5)
61	4021315S	SUB-ASSY, HEAT EXCHANGER 3 CELL, 17.5" (M1)
61	4021317S	SUB-ASSY, HEAT EXCHANGER 4 CELL, 21" (M3)
61	4021318S	SUB-ASSY, HEAT EXCHANGER 5 CELL, 21" (M5)
81	B4026006	GAS MANIFOLD, 3 CELL (M1)
81	B4026007	GAS MANIFOLD, 4 CELL (M3)
81	B4026008	GAS MANIFOLD, 5 CELL (M5)
91	4028001	ORIFICE PLATE, 3 CELL (M1)
91	4028002	ORIFICE PLATE, 4 CELL (M3)
91	4028003	ORIFICE PLATE, 5 CELL (M5)

Image 2:

12	B1392634	GASKET 17.5" (M1)
12	B1392635	GASKET 21" (M3, M5)
42	0131M00003S	VENT MOTOR, 2-STAGE (M1, M3, M5)
52	4010019	FLUE COLLECTOR BOX 17.5", 1.75 DIA. (M1)
52	4010017S	FLUE COLLECTOR BOX 21" 2.25 DIA. (M5)
52	0121F00031P	FLUE COLLECTOR BOX 21", 4 CELL (M3)
62	4053501S	CHIMNEY ASSEMBLY (M1, M3, M5)

Expanded Model Nomenclature

M1 - ADV80703BXBA
M2 - ADV80703BXBB
M3 - ADV80905CXBA
M4 - ADV80905CXBB
M5 - ADV81155CXBA
M6 - ADV81155CXBB

Heat Exchanger Assy/ Flue Collector Box "BB" models

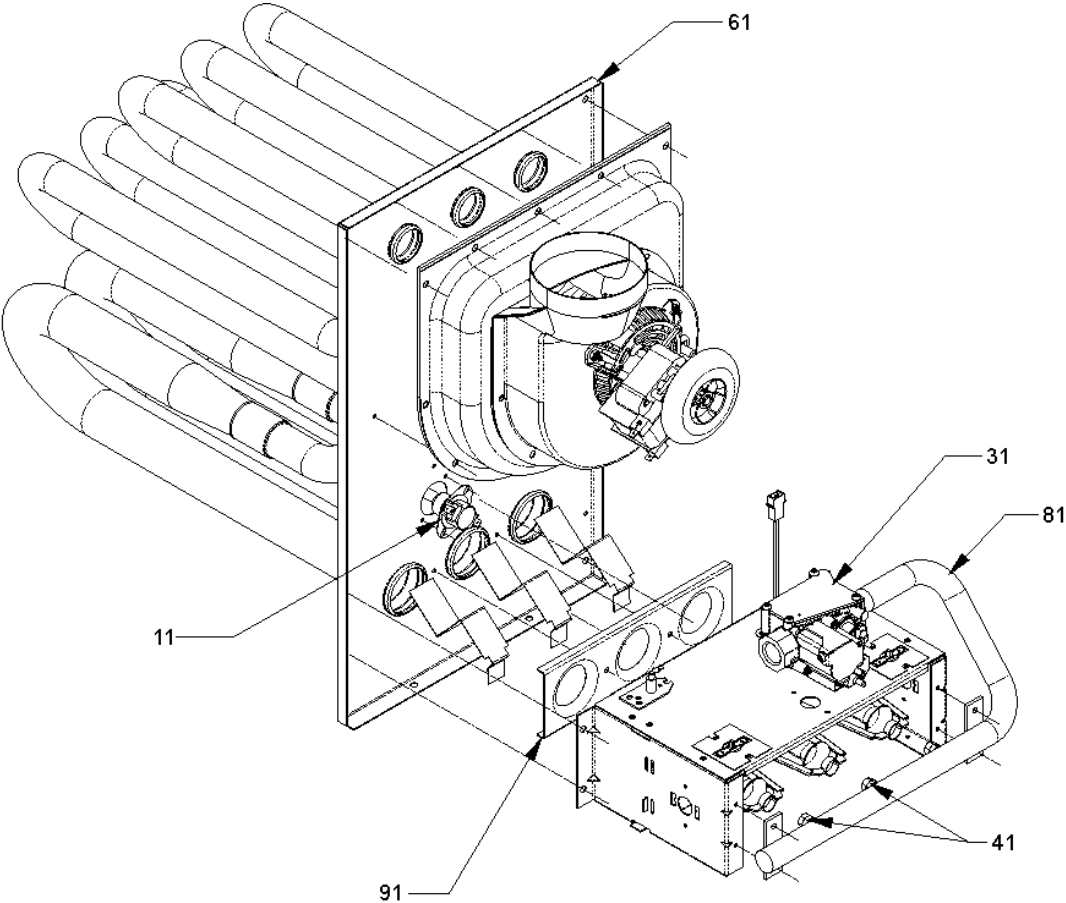


Image 1

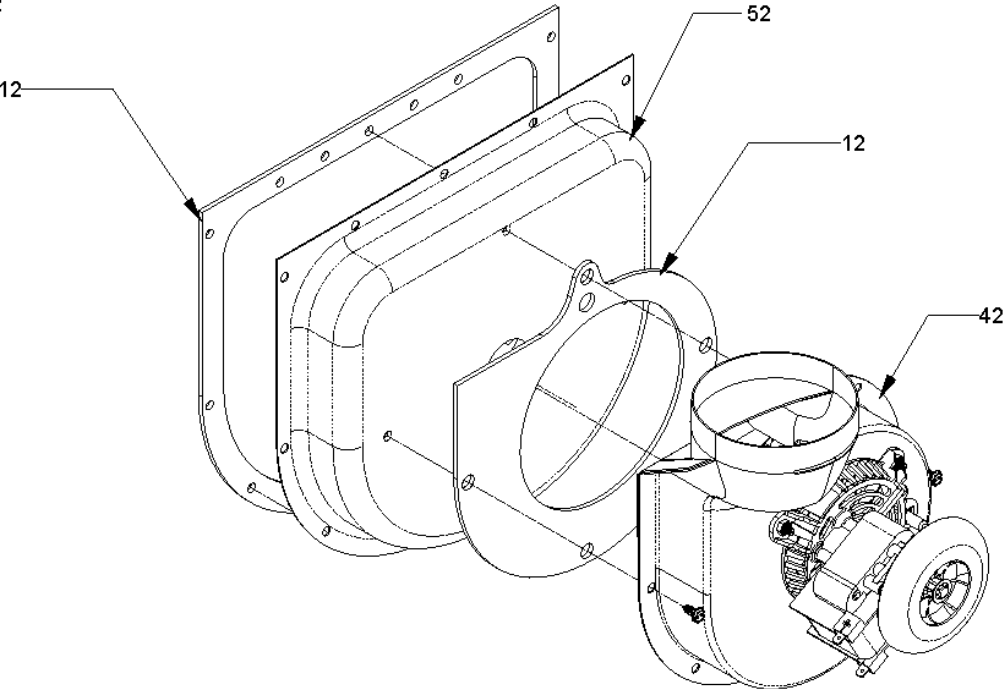


Image 2

Heat Exchanger Assy/ Flue Collector Box "BB" models

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

11	B1370206	LIMIT SWITCH, PRIMARY 180°F (M2)
11	B1370189	LIMIT SWITCH, PRIMARY 200°F (M4)
11	B1370190	LIMIT SWITCH, PRIMARY 210°F (M6)
31	0151F00000P	GAS VALVE (M2, M4, M6)
41	B4089343	ORIFICE (M2, M4, M6)
61	4021315S	SUB-ASSY, HEAT EXCHANGER 3 CELL, 17.5" (M2)
61	4021317S	SUB-ASSY, HEAT EXCHANGER 4 CELL, 21" (M4)
61	4021318S	SUB-ASSY, HEAT EXCHANGER 5 CELL, 21" (M6)
81	B4026006	GAS MANIFOLD, 3 CELL (M2)
81	B4026007	GAS MANIFOLD, 4 CELL (M4)
81	B4026008	GAS MANIFOLD, 5 CELL (M6)
91	4028001	ORIFICE PLATE, 3 CELL (M2)
91	4028002	ORIFICE PLATE, 4 CELL (M4)
91	4028003	ORIFICE PLATE, 5 CELL (M6)

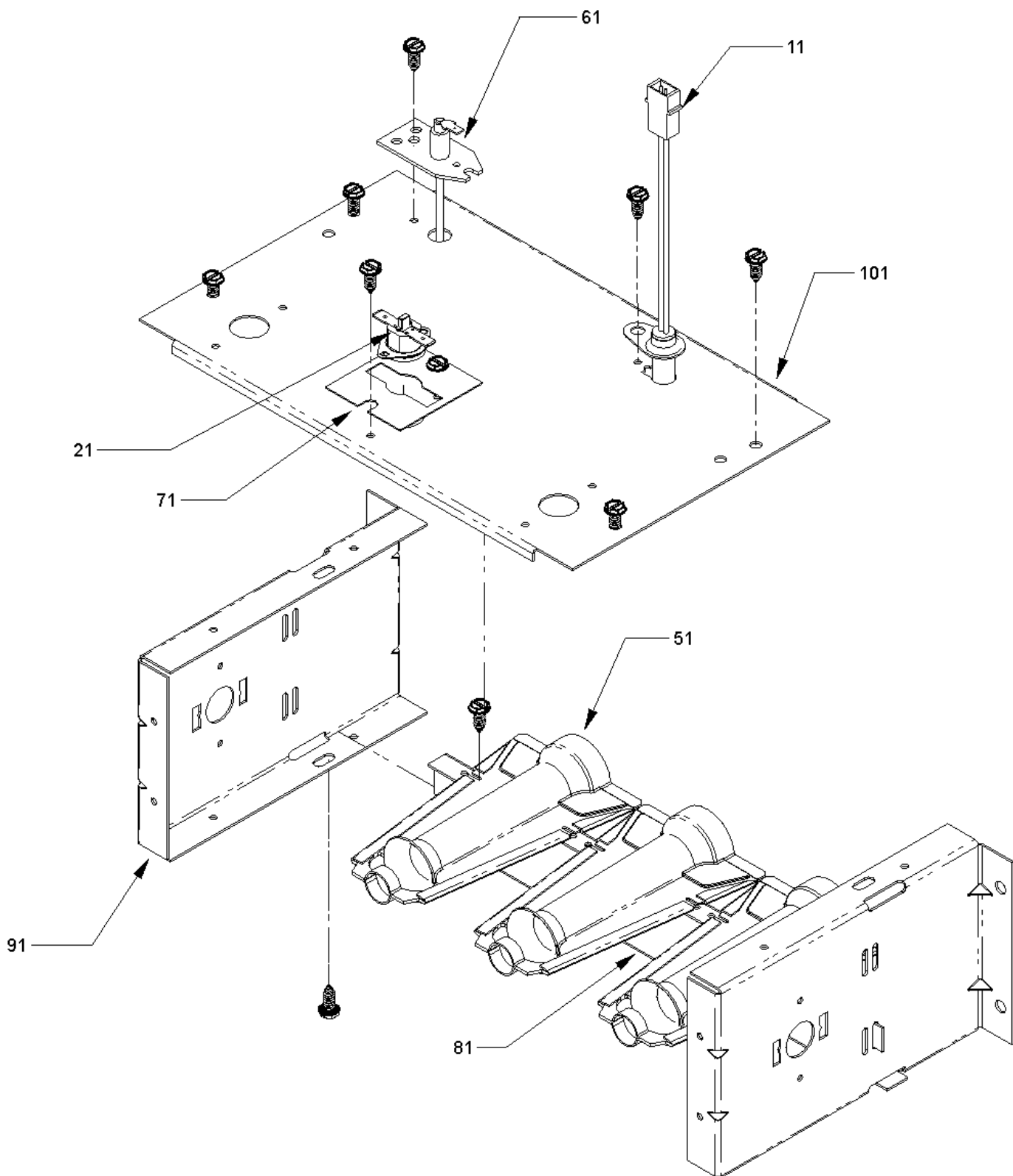
Image 2:

12	B1392634	GASKET 17.5" (M2)
12	B1392635	GASKET 21" (M4, M6)
42	0131M00047S	VENT MOTOR, ROUND NOSE 2-STAGE (M2, M4, M6)
52	4010019	FLUE COLLECTOR BOX 17.5", 1.75 DIA. (M2)
52	4010017S	FLUE COLLECTOR BOX 21" 2.25 DIA. (M6)
52	0121F00031P	FLUE COLLECTOR BOX 21", 4 CELL (M4)

Expanded Model Nomenclature

M1 - ADV80703BXBA
M2 - ADV80703BXBB
M3 - ADV80905CXBA
M4 - ADV80905CXBB
M5 - ADV81155CXBA
M6 - ADV81155CXBB

Burner Box



Burner Box

Ref. Part			Ref. Part		
No: No:		Description:	No: No:		Description:
Image 1:					
11	0130F00010	FLAME SENSOR			
21	B1370145	ROLLOUT SWITCH, 300°F W/O BRACKET			
51	B4022700	ASSY, INSHOT BURNER 3" (QTY AR)			
61	0130F00008S	IGNITOR-SINI 17 SEC			
71	2509503	BRACKET, ROLLOUT SWITCH			
81	2513501	BURNER RACK, 3 CELL (M1, M2)			
81	2513502	BURNER RACK, 4 CELL (M3, M4)			
81	2513503	BURNER RACK, 5 CELL (M5, M6)			
91	2514000	SIDE PLATE, BURNER BOX (QTY 2)			
101	4013011	TOP, BURNER BOX 3 CELL (M1, M2)			
101	4013012	TOP, BURNER BOX 4 CELL (M3, M4)			
101	4013013	TOP, BURNER BOX 5 CELL (M5, M6)			

Expanded Model Nomenclature

M1 - ADV80703BXBA
M2 - ADV80703BXBB
M3 - ADV80905CXBA
M4 - ADV80905CXBB
M5 - ADV81155CXBA
M6 - ADV81155CXBB