

Models and manufacturing
numbers in this manual

DMS80453ANA

DMS80703ANA

DMS80704BNA

DMS80904BNA

DMS80905CNA

DMS81155CNA

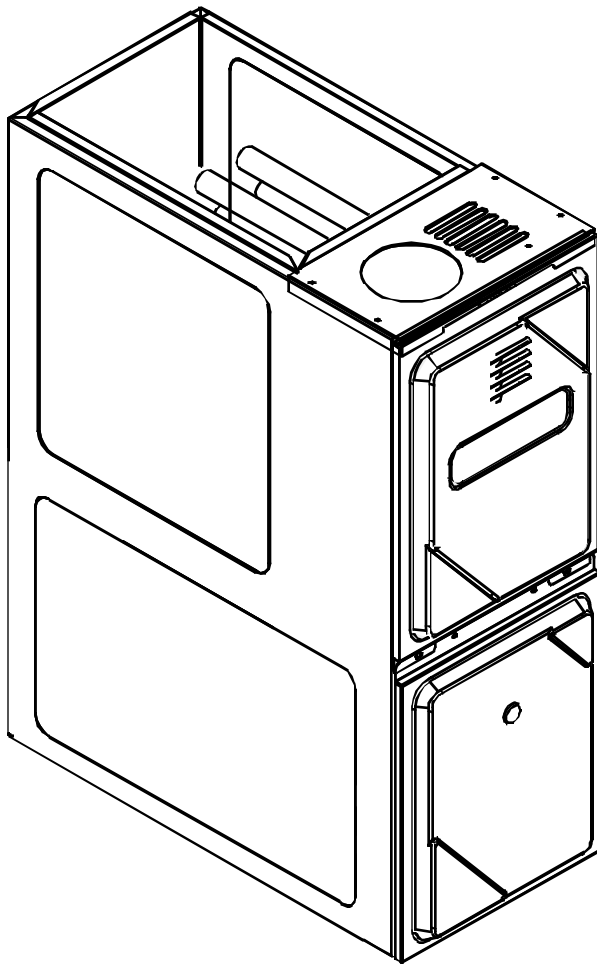
DMS81405DNA

Service Parts

DMS8* Upflow/Horizontal/Single- Stage/Multi-Speed 80% AFUE Gas Furnace

This manual replaces RP-251.

This manual is to be used by qualified appliance technicians only.



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RP - 251A
Revision 0
September 2004

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Important Information

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.

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

Index

Functional Parts List 4 - 5

Illustration and Parts 6 - 13

Views shown are for parts illustrations only, not servicing procedures

Revision A: Updates vent motor part number.

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	P _____
M2 - Model#2	P _____
M3 - Model#3	P _____

Functional Parts

Part

No: Description:

B1370142	AIR PRESSURE SWITCH, .60" WC (M1, M2, M3, M4)
B1370158	AIR PRESSURE SWITCH, .70" WC (M5, M6)
B1370179	AIR PRESSURE SWITCH, .75" WC (M7)
B1370155	AUX. LIMIT SWITCH 120°F
B1368047	BLOWER WHEEL (10 X 10) (M5, M6, M7)
B1368034	BLOWER WHEEL (10 X 6) (M1, M2)
B1368016	BLOWER WHEEL (10 X 8) (M3, M4)
B945672	CAPACITOR, 12.5/370 MFD (M1, M2)
B945665	CAPACITOR, 20/370 MFD (M3, M4, M5, M6)
B945666	CAPACITOR, 25/370 MFD (M7)
B1370820	DOOR SWITCH W/WIRES
B1172606	FLAME SENSOR
B4026005	GAS MANIFOLD, 2 CELL (M1)
B4026006	GAS MANIFOLD, 3 CELL (M2, M3)
B4026007	GAS MANIFOLD, 4 CELL (M4, M5)
B4026008	GAS MANIFOLD, 5 CELL (M6)
B4026009	GAS MANIFOLD, 6 CELL (M7)
B4089343	GAS ORIFICE, #43 (QTY 2) (M1)
B4089343	GAS ORIFICE, #43 (QTY 3) (M2, M3)
B4089343	GAS ORIFICE, #43 (QTY 4) (M4, M5)
B4089343	GAS ORIFICE, #43 (QTY 5) (M6)
B4089343	GAS ORIFICE, #43 (QTY 6) (M7)
B1282614	GAS VALVE
B1809926S	H.S.I. BOARD, 12-PIN
4021300S	HEAT EXCHANGER SUB ASM., 2 CELL 14" (M1)
4021307S	HEAT EXCHANGER SUB ASM., 3 CELL 14" (M2)
4021308S	HEAT EXCHANGER SUB ASM., 3 CELL 17.5" (M3)
4021309S	HEAT EXCHANGER SUB ASM., 4 CELL 17.5" (M4)
4021310S	HEAT EXCHANGER SUB ASM., 4 CELL 21" (M5)
4021311S	HEAT EXCHANGER SUB ASM., 5 CELL 21" (M6)
4021312S	HEAT EXCHANGER SUB ASM., 6 CELL 24" (M7)
20165703	IGNITOR
B4022700	INSHOT BURNER, (QTY 2) (M1)
B4022700	INSHOT BURNER, (QTY 3) (M2, M3)
B4022700	INSHOT BURNER, (QTY 4) (M4, M5)
B4022700	INSHOT BURNER, (QTY 5) (M6)
B4022700	INSHOT BURNER, (QTY 6) (M7)
B1340024	MOTOR, DIRECT DRIVE 1/2 HP (M3, M4, M5, M6)
B1340025	MOTOR, DIRECT DRIVE 1/3 HP (M1, M2)
20046618	MOTOR, DIRECT DRIVE 3/4 HP (M7)
A3468601	PRESSURE SWITCH HOSE
B1370145	ROLLOUT, SWITCH 300°F W/O BRKT. (QTY 2)
B1370198	SWITCH, PRIMARY LIMIT, 150°F (M6, M7)
B1370187	SWITCH, PRIMARY LIMIT, 160°F (M2)
B1370188	SWITCH, PRIMARY LIMIT, 170°F (M3, M4)
B1370189	SWITCH, PRIMARY LIMIT, 200°F (M5)
B1370190	SWITCH, PRIMARY LIMIT, 210°F (M1)
B1141605	TRANSFORMER 120V TO 24V, 40 VA
B4059003S	VENT MOTOR 80%

Functional Parts

Part No:	Description:
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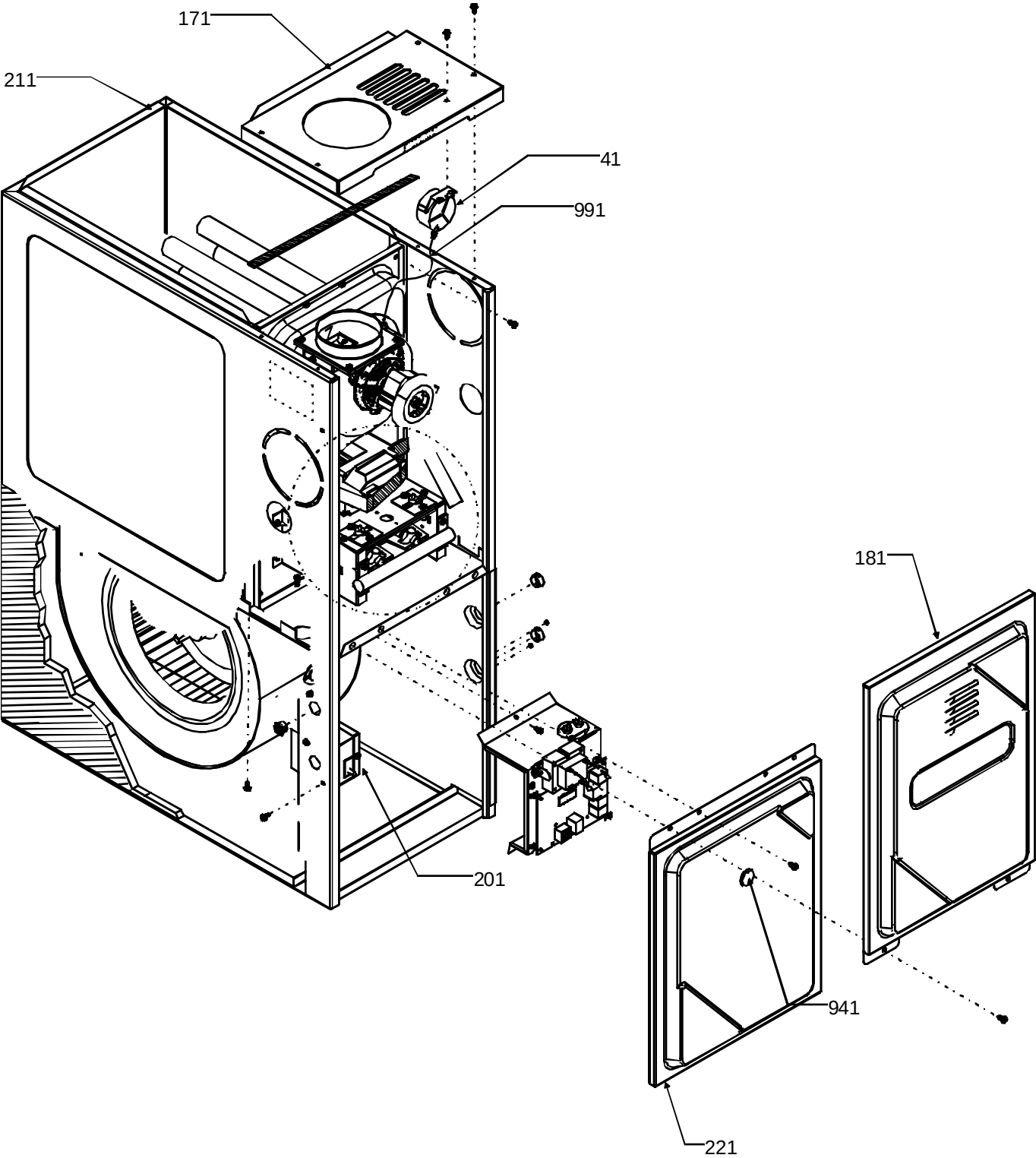
SPECIAL PARTS

HI-115	HOMEOWNER'S MANUAL
IO-248	INSTALLATION INSTRUCTIONS
RP-251	REPAIR PARTS MANUAL
PDB-DMS8	SPECIFICATION SHEET
B260S8292	SPRAY TOUCH-UP PAINT, ARCH. GRAY (DARK)
B260S8293	SPRAY TOUCH-UP PAINT, EXEC. GRAY (LIGHT)
RT6622006	TECHNICAL MANUAL
20490405	WARRANTY CERTIFICATE

Expanded Model Nomenclature

M1 - DMS80453ANA
M2 - DMS80703ANA
M3 - DMS80704BNA
M4 - DMS80904BNA
M5 - DMS80905CNA
M6 - DMS81155CNA
M7 - DMS81405DNA

Cabinet



Cabinet

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

41	B1370142	AIR PRESSURE SWITCH, .60" WC (M1, M2, M3, M4)
41	B1370158	AIR PRESSURE SWITCH, .70" WC (M5, M6)
41	B1370179	AIR PRESSURE SWITCH, .75" WC (M7)
171	4008000PDG	TOP, PAINTED, 14" (M1, M2)
171	4008001PDG	TOP, PAINTED, 17.5" (M3, M4)
171	4008002PDG	TOP, PAINTED, 21" (M5, M6)
171	4008003PDG	TOP, PAINTED, 24.5" (M7)
181	4012007PLG	DOOR CONTROL ACCESS, 14" (M1, M2)
181	4012008PLG	DOOR CONTROL ACCESS, 17.5" (M3, M4)
181	4012009PLG	DOOR CONTROL ACCESS, 21" (M5, M6)
181	4012010PLG	DOOR CONTROL ACCESS, 24.5" (M7)
201	4014500	J-BOX
201	4015500	J-BOX COVER
211	4026523S	WRAPPER/INSULATION ASM.,14" (M1, M2)
211	4026524S	WRAPPER/INSULATION ASM.,17.5" (M3, M4)
211	4026525S	WRAPPER/INSULATION ASM.,21" (M5, M6)
211	4026526S	WRAPPER/INSULATION ASM.,24.5" (M7)
221	4015004PLG	BLOWER ACCESS DOOR, 14" (M1, M2)
221	4015005PLG	BLOWER ACCESS DOOR, 17.5" (M3, M4)
221	4015006PLG	BLOWER ACCESS DOOR, 21" (M5, M6)
221	4015007PLG	BLOWER ACCESS DOOR, 24.5" (M7)
941	B1392139	VIEW PORT BUSHING, CLEAR
991	A3468601	PRESSURE SWITCH HOSE
NS	B1370820	DOOR SWITCH W/WIRES
NS	B260S8292	SPRAY TOUCH-UP PAINT, ARCH. GRAY (DARK)
NS	B260S8293	SPRAY TOUCH-UP PAINT, EXEC. GRAY (LIGHT)

Expanded Model Nomenclature

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Blower Assembly

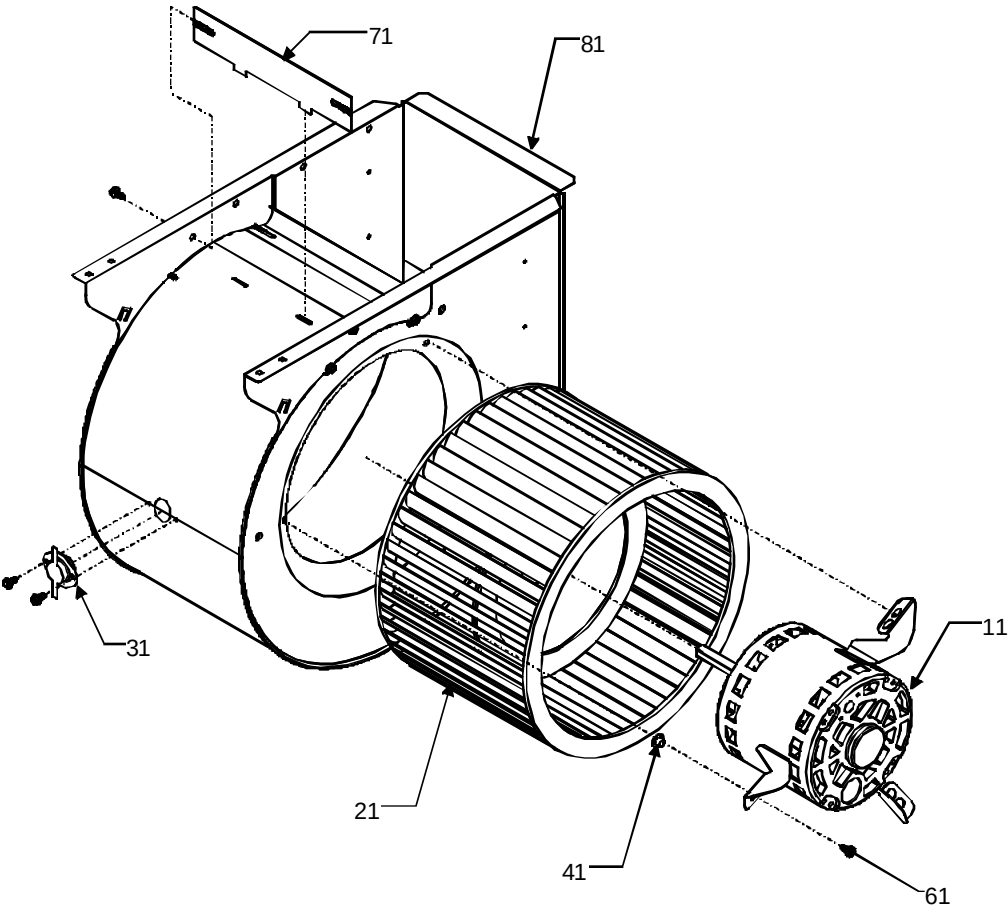
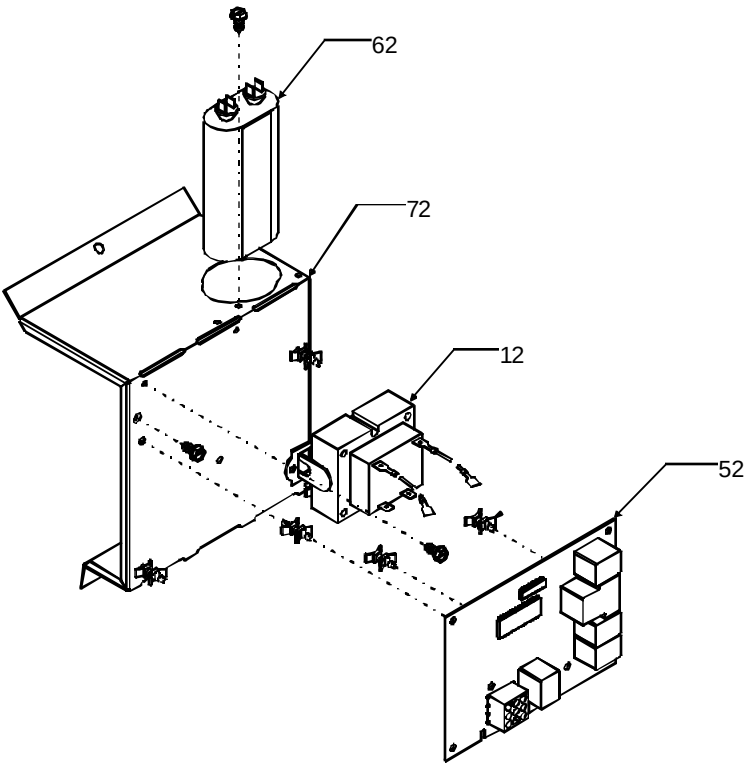


IMAGE 1

IMAGE 2



Blower Assembly

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

21	B1340024	MOTOR, DIRECT DRIVE 1/2 HP (M3, M4, M5, M6)
21	B1340025	MOTOR, DIRECT DRIVE 1/3 HP (M1, M2)
21	20046618	MOTOR, DIRECT DRIVE 3/4 HP (M7)
31	B1368047	BLOWER WHEEL (10 X 10) (M5, M6, M7)
31	B1368034	BLOWER WHEEL (10 X 6) (M1, M2)
31	B1368016	BLOWER WHEEL (10 X 8) (M3, M4)
41	B1370155	AUX. LIMIT SWITCH 120°F
51	B1376851	MOTOR MOUNT BAND
61	B1376857	MOTOR MOUNT ARM (QTY 3)
71	B1392143	GROMMET F/TORSIN FLEX (QTY 3) FOR MOTOR MOUNT BAND
81	B1392918	WASHER, FLAT 1/4 ID X 1 OD, (QTY 3) FOR MOTOR MOUNT ARM
91	B1393323	SCREW, MACH HWH 1/4-20 X 1½ FOR MOTOR MOUNT BAND
111	B1393331	MACH. SCREW 1/4-20 TYPE F (QTY 3) FOR MOTOR MOUNT ARM
141	B1393800	LOCKNUT, NYLON FOR MOTOR MOUNT BAND
171	764741	BLWR CUT-OFF, (10 X 10) (M5, M6, M7)
171	764739	BLWR CUT-OFF, (10 X 6) (M1, M2)
171	764740	BLWR CUT-OFF, (10 X 8) (M3, M4)
181	2539307S	BLOWER SHELL ASM (10 X 10) (M5, M6, M7)
181	2539305S	BLOWER SHELL ASM (10 X 6) (M1, M2)
181	2539306S	BLOWER SHELL ASM (10 X 8) (M3, M4)

Image 2:

12	B1141605	TRANSFORMER 120V TO 24V, 40 VA
52	B1809926S	H.S.I. BOARD, 12-PIN
62	B945672	CAPACITOR, 12.5/370 MFD (M1, M2)
62	B945665	CAPACITOR, 20/370 MFD (M3, M4, M5, M6)
62	B945666	CAPACITOR, 25/370 MFD (M7)
72	1815817	CONTROL MOUNT PANEL

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 M7 - DMS81405DNA

Heater Exchange/Flue Collector Box

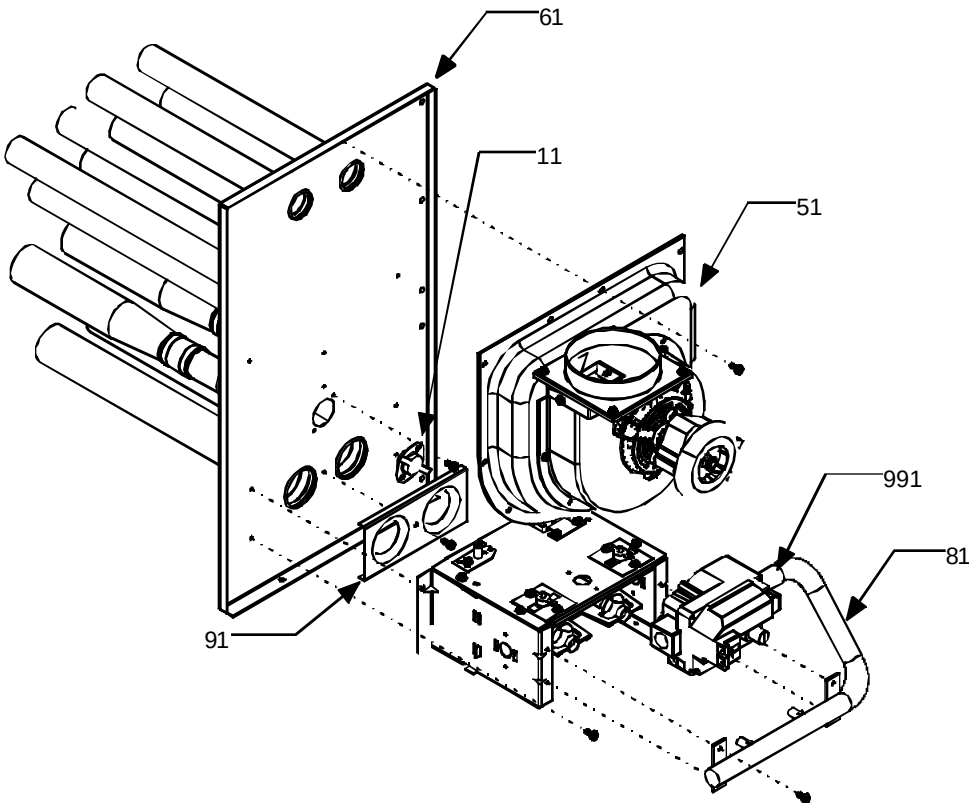
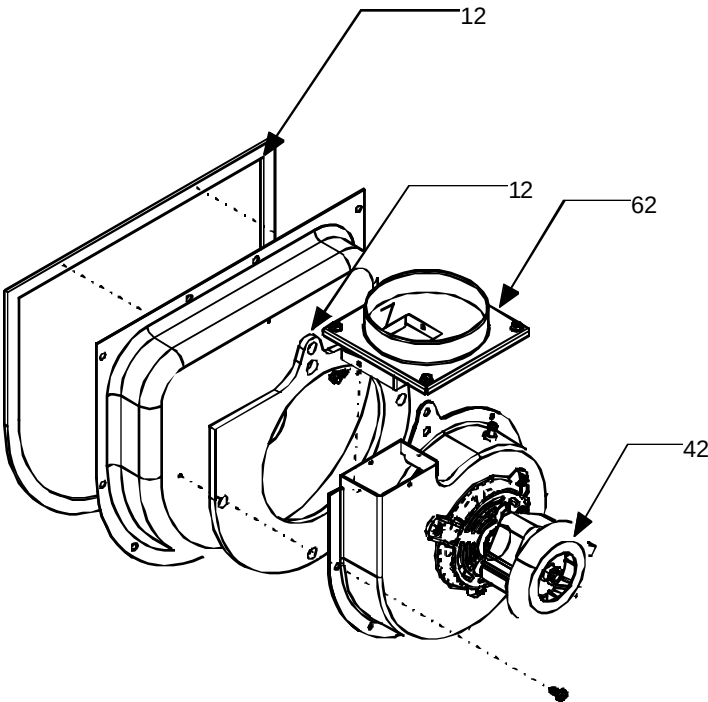


Image 1

Image 2



Heater Exchange/Flue Collector Box

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

11	B1370198	SWITCH, PRIMARY LIMIT, 150°F (M6, M7)
11	B1370187	SWITCH, PRIMARY LIMIT, 160°F (M2)
11	B1370188	SWITCH, PRIMARY LIMIT, 170°F (M3, M4)
11	B1370189	SWITCH, PRIMARY LIMIT, 200°F (M5)
11	B1370190	SWITCH, PRIMARY LIMIT, 210°F (M1)
51	4010012S	FLUE COLL BX., 14" 1.50 DIA. (M1)
51	4010013S	FLUE COLL BX., 14" 2.00 DIA. (M2)
51	4010014S	FLUE COLL BX., 17.5" 2.00 DIA., 3 CELL (M3)
51	4010015S	FLUE COLL BX., 17.5" 2.00 DIA., 4 CELL (M4)
51	4010016S	FLUE COLL BX., 21" 2.00 DIA. (M5)
51	4010017S	FLUE COLL BX., 21" 2.25 DIA. (M6)
51	4010018s	FLUE COLL BX., 24.5" 3.625 DIA. (M7)
61	4021300S	HEAT EXCHANGER SUB ASM., 2 CELL 14" (M1)
61	4021307S	HEAT EXCHANGER SUB ASM., 3 CELL 14" (M2)
61	4021308S	HEAT EXCHANGER SUB ASM., 3 CELL 17.5" (M3)
61	4021309S	HEAT EXCHANGER SUB ASM., 4 CELL 17.5" (M4)
61	4021310S	HEAT EXCHANGER SUB ASM., 4 CELL 21" (M5)
61	4021311S	HEAT EXCHANGER SUB ASM., 5 CELL 21" (M6)
61	4021312S	HEAT EXCHANGER SUB ASM., 6 CELL 24" (M7)
81	B4026005	GAS MANIFOLD, 2 CELL (M1)
81	B4026006	GAS MANIFOLD, 3 CELL (M2, M3)
81	B4026007	GAS MANIFOLD, 4 CELL (M4, M5)
81	B4026008	GAS MANIFOLD, 5 CELL (M6)
81	B4026009	GAS MANIFOLD, 6 CELL (M7)
91	4028000	ORIFICE PLATE, 2 CELL (M1)
91	4028001	ORIFICE PLATE, 3 CELL (M2, M3)
91	4028002	ORIFICE PLATE, 4 CELL (M4, M5)
91	4028003	ORIFICE PLATE, 5 CELL (M6)
91	4028004	ORIFICE PLATE, 6 CELL (M7)
991	B1282614	GAS VALVE

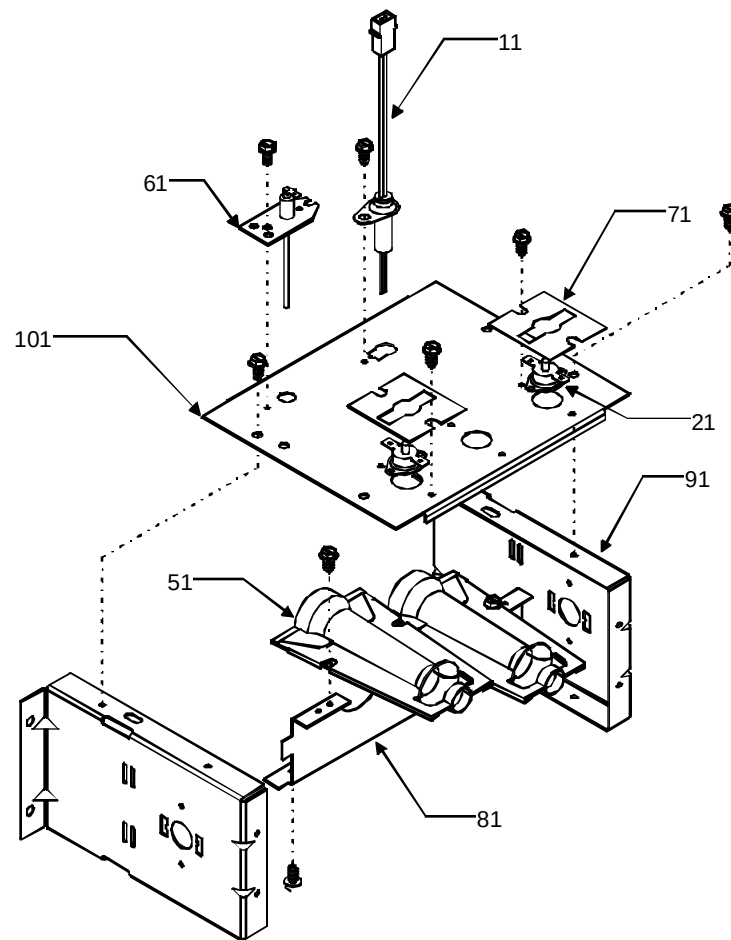
Image 2:

12	B1392635	GASKET, VENT MOTOR, 21" (M5, M6)
12	B1392636	GASKET, VENT MOTOR, 24.5" (M7)
12	B1392633	GASKET, VENT MOTOR, 14" (M1, M2)
12	B1392634	GASKET, VENT MOTOR, 17.5" (M3, M4)
42	B4059003S	VENT MOTOR 80%
62	4053501	CHIMNEY ASSEMBLY

Expanded Model Nomenclature

M1 - DMS80453ANA
M2 - DMS80703ANA
M3 - DMS80704BNA
M4 - DMS80904BNA
M5 - DMS80905CNA
M6 - DMS81155CNA
M7 - DMS81405DNA

Burner Box



Burner Box

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

11	20165703	IGNITOR
21	B1370145	ROLLOUT, SWITCH 300°F W/O BRKT. (QTY 2)
51	B4022700	INSHOT BURNER, (QTY 2) (M1)
51	B4022700	INSHOT BURNER, (QTY 3) (M2, M3)
51	B4022700	INSHOT BURNER, (QTY 4) (M4, M5)
51	B4022700	INSHOT BURNER, (QTY 5) (M6)
51	B4022700	INSHOT BURNER, (QTY 6) (M7)
61	B1172606	FLAME SENSOR
71	2509503	BRACKET FOR ROLLOUT SWITCH (QTY 2)
81	2513500	BURNER RACK 2 CELL (M1)
81	2513501	BURNER RACK 3 CELL (M2, M3)
81	2513502	BURNER RACK 4 CELL (M4, M5)
81	2513503	BURNER RACK 5 CELL (M6)
81	2513504	BURNER RACK 6 CELL (M7)
91	2514000	SIDE PLATE BURNER (QTY 2)
101	4013010	TOP PLATE, BURNER 2 CELL (M1)
101	4013011	TOP PLATE, BURNER 3 CELL (M2, M3)
101	4013012	TOP PLATE, BURNER 4 CELL (M4, M5)
101	4013013	TOP PLATE, BURNER 5 CELL (M6)
101	4013014	TOP PLATE, BURNER 6 CELL (M7)
NS	B4089343	GAS ORIFICE, #43 (QTY 2) (M1)
NS	B4089343	GAS ORIFICE, #43 (QTY 3) (M2, M3)
NS	B4089343	GAS ORIFICE, #43 (QTY 4) (M4, M5)
NS	B4089343	GAS ORIFICE, #43 (QTY 5) (M6)
NS	B4089343	GAS ORIFICE, #43 (QTY 6) (M7)

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M1 - DMS80453ANA
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M6 - DMS81155CNA
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