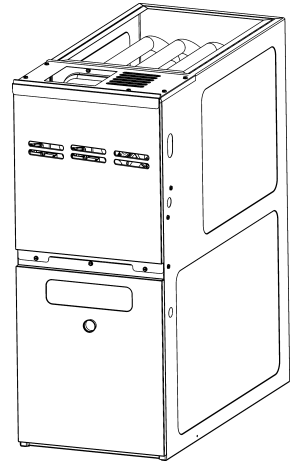


GR9S80 FER Up Flow Furnace

GR9S800403ANAA
GR9S800403AXAA
GR9S800603ANAA
GR9S800603AXAA
GR9S800603BNAA
GR9S800603BXAA
GR9S800604BNAA
GR9S800604BXAA
GR9S800803BNAA
GR9S800803BXAA
GR9S800804BNAA
GR9S800804BXAA
GR9S800804CNAA
GR9S800804CXAA
GR9S800805CNAA
GR9S800805CXAA
GR9S801005CNAA
GR9S801005CXAA
GR9S801205DNAA



This manual is to be used by qualified technicians only.

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 9

Views shown are for parts illustrations only, not servicing procedures.

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:

Homeowner Support

Goodman Manufacturing Company, L.P.

19001 Kermier Road

Waller, Texas 77484

877-254-4729-Telephone

713-863-2382-Facsimile

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

International Division

Goodman Manufacturing Company, L.P.

19001 Kermier Road

Waller, Texas 77484

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No: Description:

PCBBF301V007	CIRCUIT BOARD, FURNACE
0130F00010	FLAME SENSOR
0151M00105	GAS VALVE
10690402	INTERLOCK SWITCH
20162903	LIMIT, PRIMARY (M13, M14, M15, M16, M19)
20162901	LIMIT, PRIMARY (M1, M2)
20162904	LIMIT, PRIMARY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M17, M18)
0130F00038	LIMIT, PRIMARY 120 LT BLUE
10123529	LIMIT-RESET MAN-GREEN (QTY 2)
0131F00334M	MOTOR 1 HP W/O CONTROLLER (M19)
0131F00332M	MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4, M5, M6, M9, M10)
0131F00333M	MOTOR 3/4 HP W/O CONTROLLER (M7, M8, M11, M12, M13, M14, M15, M16, M17, M18)
0131F00251	MOTOR PROGRAMMED (M11, M12)
0131F00248	MOTOR PROGRAMMED (M5, M6)
0131F00246	MOTOR PROGRAMMED (M1, M2)
0131F00247	MOTOR PROGRAMMED (M3, M4)
0131F00250	MOTOR PROGRAMMED (M9, M10)
0131F00252	MOTOR PROGRAMMED (M13, M14)
0131F00253	MOTOR PROGRAMMED (M15, M16)
0131F00254	MOTOR PROGRAMMED (M17, M18)
0131F00255	MOTOR PROGRAMMED (M19)
0131F00249	MOTOR PROGRAMMED (M7, M8)
0131M00002P	MOTOR, VENT 80+
0130F00008	SINI IGNITOR
0130F00505	SWITCH, PRESSURE (M1, M2, M9, M10, M11, M12, M17, M18)
0130F00507	SWITCH, PRESSURE (M19)
0130F00506	SWITCH, PRESSURE (M3, M4, M5, M6, M7, M8, M13, M14, M15, M16)
0130M00140	TRANSFORMER,(120V TO 24V,40VA,

Expanded Model Nomenclature

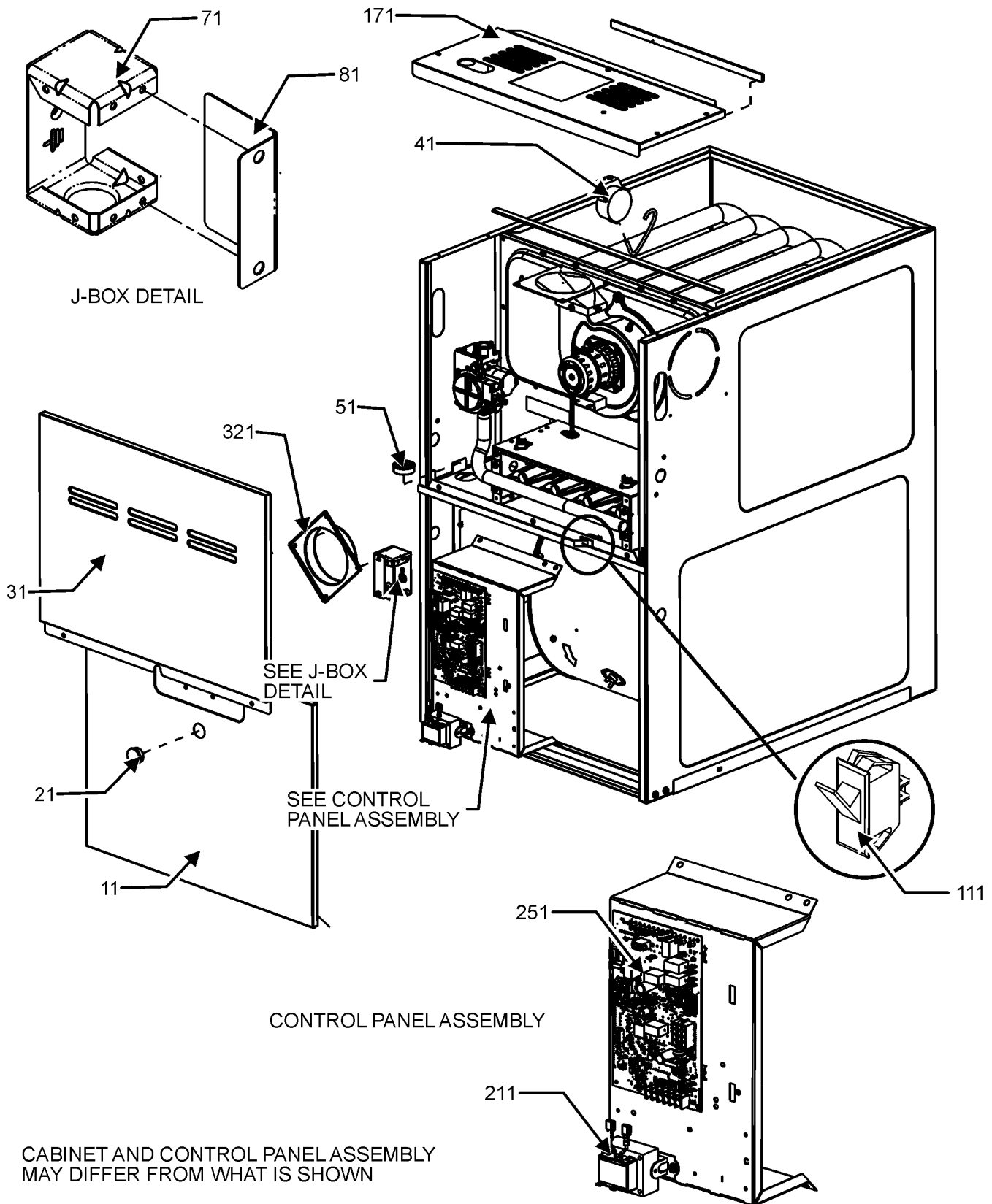
M1 - GR9S800403ANAA
M2 - GR9S800403AXAA
M3 - GR9S800603ANAA
M4 - GR9S800603AXAA
M5 - GR9S800603BNAA
M6 - GR9S800603BXAA
M7 - GR9S800604BNAA
M8 - GR9S800604BXAA
M9 - GR9S800803BNAA
M10 - GR9S800803BXAA
M11 - GR9S800804BNAA
M12 - GR9S800804BXAA
M13 - GR9S800804CNAA
M14 - GR9S800804CXAA
M15 - GR9S800805CNAA
M16 - GR9S800805CXAA
M17 - GR9S801005CNAA
M18 - GR9S801005CXAA
M19 - GR9S801205DNAA

SPECIAL PARTS

0161F00007	NAMEPLATE, GOODMAN
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Cabinet and Control Panel Assembly

CABINET ASSEMBLY

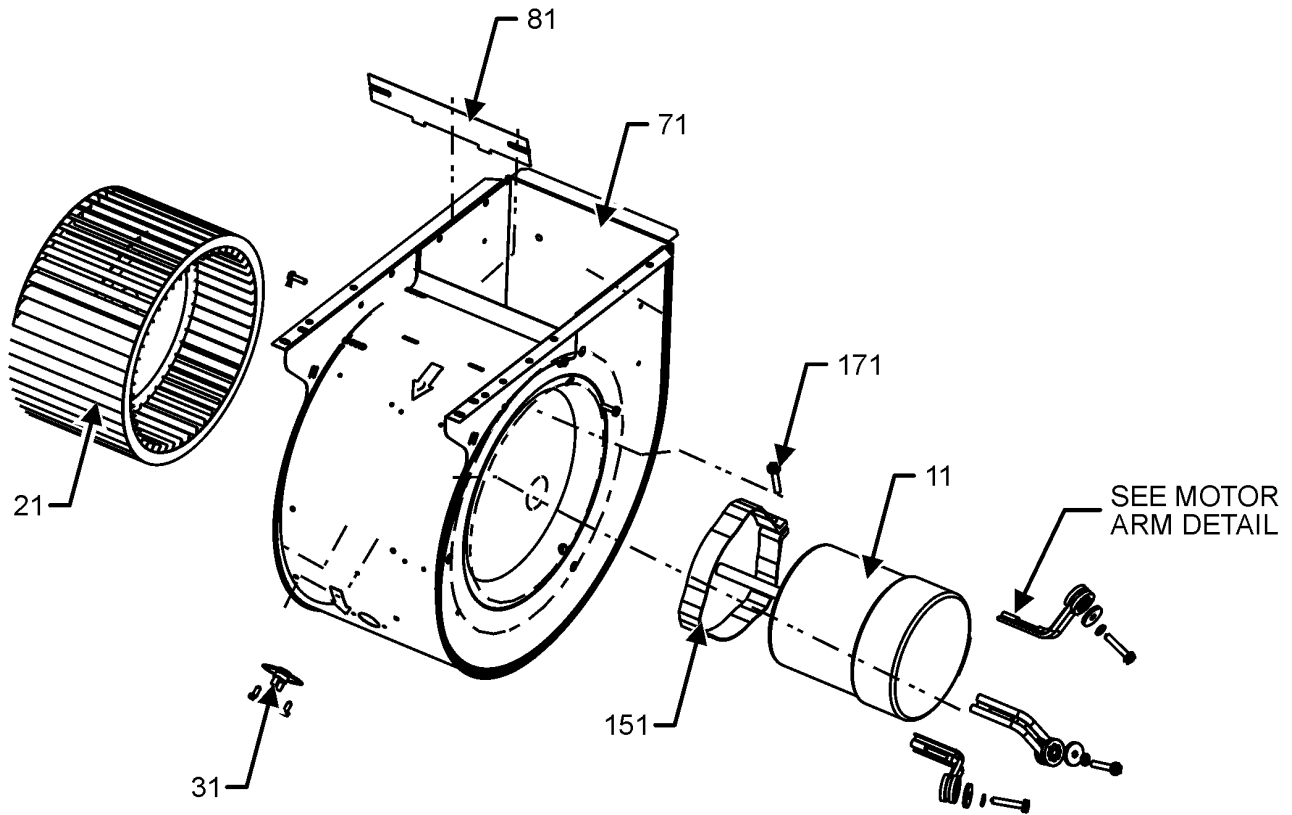


Cabinet and Control Panel Assembly

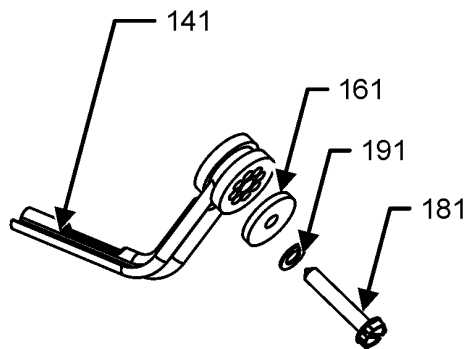
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0121F00122DG	M1 - GR9S800403ANAA	
11	0121F00123DG	M2 - GR9S800403AXAA	
		M3 - GR9S800603ANAA	
11	0121F00124DG	M4 - GR9S800603AXAA	
		M5 - GR9S800603BNAA	
11	0121F00125DG	M6 - GR9S800603BXAA	
21	B1392139	M7 - GR9S800604BNAA	
31	0121F20089DG	M8 - GR9S800604BXAA	
		M9 - GR9S800803BNAA	
31	0121F20091DG	M10 - GR9S800803BXAA	
		M11 - GR9S800804BNAA	
31	0121F20092DG	M12 - GR9S800804BXAA	
		M13 - GR9S800804CNAA	
31	0121F20094DG	M14 - GR9S800804CXAA	
41	0130F00505	M15 - GR9S800805CNAA	
		M16 - GR9S800805CXAA	
41	0130F00506	M17 - GR9S801005CNAA	
		M18 - GR9S801005CXAA	
41	0130F00507	M19 - GR9S801205DNAA	
51	B1392147		
71	0121F20061		
81	0121F20060		
111	10690402		
171	0121F20090DG		
171	0121F20093DG		
171	0121F20095DG		
171	0121F20096DG		
211	0130M00140		
251	PCBBF301V007		
321	4023500		
NS	0154F00041		
NS	0161F00007		

Blower Assembly

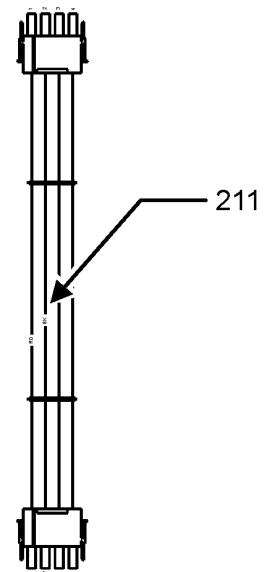
BLOWER ASSEMBLY



LIMIT LOCATION MAY DIFFER
FROM WHAT IS SHOWN



MOTOR ARM DETAIL



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0131F00246	MOTOR PROGRAMMED (M1, M2)
11	0131F00247	MOTOR PROGRAMMED (M3, M4)
11	0131F00248	MOTOR PROGRAMMED (M5, M6)
11	0131F00249	MOTOR PROGRAMMED (M7, M8)
11	0131F00250	MOTOR PROGRAMMED (M9, M10)
11	0131F00251	MOTOR PROGRAMMED (M11, M12)
11	0131F00252	MOTOR PROGRAMMED (M13, M14)
11	0131F00253	MOTOR PROGRAMMED (M15, M16)
11	0131F00254	MOTOR PROGRAMMED (M17, M18)
11	0131F00255	MOTOR PROGRAMMED (M19)
21	0150M00042	WHEEL, BLOWER (10 X 10) (M13, M14, M15, M16, M17, M18)
21	0150M00043	WHEEL, BLOWER (10 X 8) (M5, M6, M7, M8, M9, M10, M11, M12)
21	0150M00061	WHEEL,BLOWER (M1, M2, M3, M4)
21	0150M00062	WHEEL,BLOWER (M19)
31	0130F00038	LIMIT, PRIMARY 120 LT BLUE
71	2539307	BLWR SHL ASM 10X10 10X10 (M13, M14, M15, M16, M17, M18, M19)
71	2539305	BLWR SHL ASM 10X6 10X6 (M1, M2, M3, M4)
71	2539306	BLWR SHL ASM 10X8 10X8 (M5, M6, M7, M8, M9, M10, M11, M12)
81	764741	BLWR BLK-OFF,10X10 (M13, M14, M15, M16, M17, M18, M19)
81	764739	BLWR BLK-OFF,10X6 (M1, M2, M3, M4)
81	764740	BLWR BLK-OFF,10X8 (M5, M6, M7, M8, M9, M10, M11, M12)
111	0131F00334M	MOTOR 1 HP W/O CONTROLLER (M19)
111	0131F00332M	MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4, M5, M6, M9, M10)
111	0131F00333M	MOTOR 3/4 HP W/O CONTROLLER (M7, M8, M11, M12, M13, M14, M15, M16, M17, M18)
141	0163M00538	MOUNT ARM, MOTOR (QTY 3)
151	0121M00039	MOTOR MOUNT BAND (HEAVY DUTY)
161	B1392918	WASHER, FLAT 1/4 ID X 1 OD (QTY 3)
171	0163M00320	HEX HEAD ALL THREAD TAP BOLT
181	M0250565	SCREW-TC 1.25" (QTY 3)
191	B1393800	LOCK NUT NYLON IINISERT 1/4 20
211	0159F00160	CTM, MOTOR HARNESS

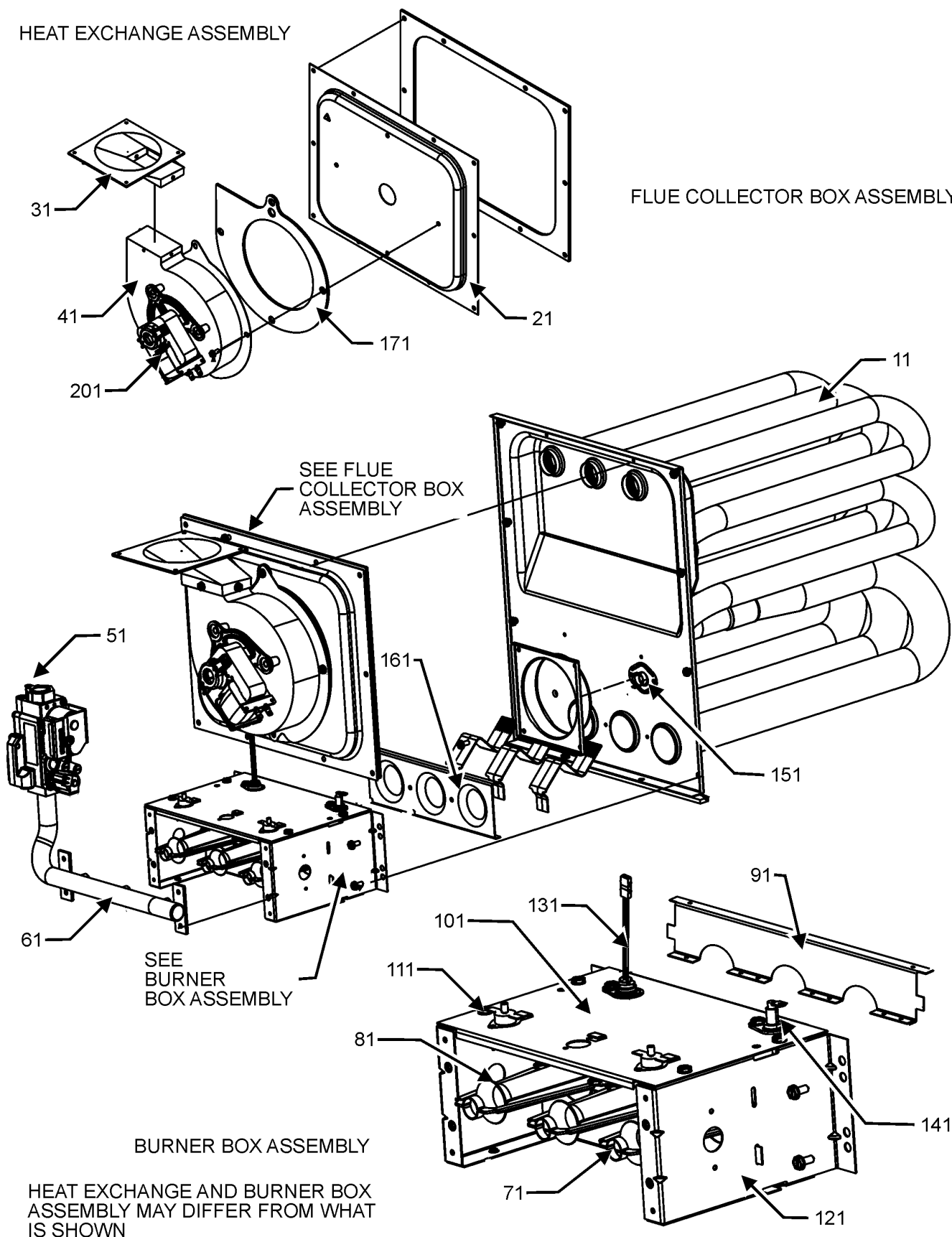
Expanded Model Nomenclature

M1 - GR9S800403ANAA
M2 - GR9S800403AXAA
M3 - GR9S800603ANAA
M4 - GR9S800603AXAA
M5 - GR9S800603BNAA
M6 - GR9S800603BXAA
M7 - GR9S800604BNAA
M8 - GR9S800604BXAA
M9 - GR9S800803BNAA
M10 - GR9S800803BXAA
M11 - GR9S800804BNAA
M12 - GR9S800804BXAA
M13 - GR9S800804CNAA
M14 - GR9S800804CXAA
M15 - GR9S800805CNAA
M16 - GR9S800805CXAA
M17 - GR9S801005CNAA
M18 - GR9S801005CXAA
M19 - GR9S801205DNAA

Heat Exchange Assembly

HEAT EXCHANGE ASSEMBLY

FLUE COLLECTOR BOX ASSEMBLY



Heat Exchange Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:		
Image 1:		Image 1:			
11	0270F00900	HEAT EXCHANGER ASSY (M1, M2)	171	0154F00004	GASKET-17.5 INCH (M5, M6, M7, M8, M9, M10, M11, M12)
11	0270F00901	HEAT EXCHANGER ASSY (M3, M4)			
11	0270F00902	HEAT EXCHANGER ASSY (M9, M10, M11, M12)	171	0154F00005	GASKET-21 INCH (M13, M14, M15, M16, M17, M18)
11	0270F00903	HEAT EXCHANGER ASSY (M17, M18)	171	0154F00006	GASKET-24.5 INCH (M19)
11	0270F00904	HEAT EXCHANGER ASSY (M19)	201	DY6.186.070	VENT MOTOR CAPACITOR
11	0270F00929	HEAT EXCHANGER ASSY (M5, M6, M7, M8)	NS	0159F00173	WIRE HARNESS
11	0270F00930	HEAT EXCHANGER ASSY (M13, M14, M15, M16)	NS	0259F00303	WIRE HARNESS ASSY IGNITOR
21	0121F00333	21" COLLECTOR BOX 1.75" DIA (M13, M14, M15, M16)	Expanded Model Nomenclature		
21	0121F00330	24.5" COLLECTOR BOX 2.125" DIA (M19)	M1 - GR9S800403ANAA M2 - GR9S800403AXAA M3 - GR9S800603ANAA M4 - GR9S800603AXAA M5 - GR9S800603BNAA M6 - GR9S800603BXAA M7 - GR9S800604BNAA M8 - GR9S800604BXAA M9 - GR9S800803BNAA M10 - GR9S800803BXAA M11 - GR9S800804BNAA M12 - GR9S800804BXAA M13 - GR9S800804CNAA M14 - GR9S800804CXAA M15 - GR9S800805CNAA M16 - GR9S800805CXAA M17 - GR9S801005CNAA M18 - GR9S801005CXAA M19 - GR9S801205DNAA		
21	0121F00217	COLLECTOR BOX (M17, M18)			
21	0121F00126	COLLECTOR BOX 14" 1.375 DIA (M1, M2)			
21	0121F00128	COLLECTOR BOX 17.5" 1.75 DIA (M5, M6, M7, M8, M9, M10, M11, M12)			
21	0121F00198	COLLECTOR BOX, 14" 1.75 DIA (M3, M4)			
31	0128F00006	TRANSITION, BOTTOM			
41	0131M00002P	MOTOR, VENT 80+			
51	0151M00105	GAS VALVE			
61	0120F00006	MANIFOLD (M1, M2)			
61	0120F00007	MANIFOLD (M3, M4, M5, M6, M7, M8)			
61	0120F00008	MANIFOLD (M9, M10, M11, M12, M13, M14, M15, M16)			
61	0120F00009	MANIFOLD (M17, M18)			
61	0120F00010	MANIFOLD (M19)			
71	10716005	ORIFICE (QTY 2)			
81	B4022700	INSHOT BURNER ASSY 3" (QTY 2)			
91	0121F00167	BURNER RACK, 2 CELL (M1, M2)			
91	0121F00168	BURNER RACK, 3 CELL (M3, M4, M5, M6, M7, M8)			
91	0121F00169	BURNER RACK, 4 CELL (M9, M10, M11, M12, M13, M14, M15, M16)			
91	0121F00170	BURNER RACK, 5 CELL (M17, M18)			
91	0121F00171	BURNER RACK, 6 CELL (M19)			
101	0121F00162	TOP, BURNER BOX 2 CELL (M1, M2)			
101	0121F00759	TOP, BURNER BOX 3 CELL (M3, M4, M5, M6, M7, M8)			
101	0121F00760	TOP, BURNER BOX 4 CELL (M9, M10, M11, M12, M13, M14, M15, M16)			
101	0121F00761	TOP, BURNER BOX 5 CELL (M17, M18)			
101	0121F00762	TOP, BURNER BOX 6 CELL (M19)			
111	10123529	LIMIT-RESET MAN-GREEN (QTY 2)			
121	0121F00146	BURNER BOX SIDE (QTY 2)			
131	0130F00008	SINI IGNITOR			
141	0130F00010	FLAME SENSOR			
151	20162901	LIMIT, PRIMARY (M1, M2)			
151	20162903	LIMIT, PRIMARY (M13, M14, M15, M16, M19)			
151	20162904	LIMIT, PRIMARY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M17, M18)			
161	4028000	ORIFICE PLATE, 2CELL (M1, M2)			
161	4028001	ORIFICE PLATE, 3CELL (M3, M4, M5, M6, M7, M8)			
161	4028002	ORIFICE PLATE, 4 CELL (M9, M10, M11, M12, M13, M14, M15, M16)			
161	4028003	ORIFICE PLATE, 5CELL (M17, M18)			
161	4028004	ORIFICE PLATE, 6CELL (M19)			
171	0154F00003	GASKET-14 INCH (M1, M2, M3, M4)			