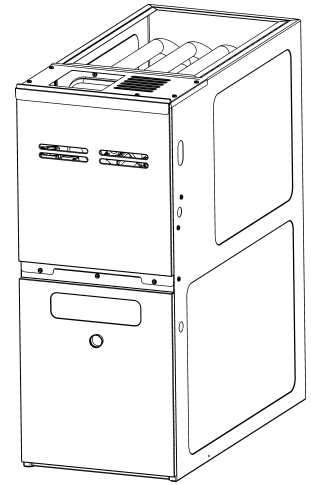


GD9S80 FER Counter Flow Furnace

GD9S800403ANAA
GD9S800403AXAA
GD9S800603ANAA
GD9S800603AXAA
GD9S800804BNAA
GD9S800804BXAA
GD9S800805CXAA
GD9S801005CNAA
GD9S801005CXAA



This manual is to be used by qualified technicians only.

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Important Information

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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
0130F00038	LIMIT, AUX
20162901	LIMIT, PRIMARY (M8, M9)
0130F00036	LIMIT, PRIMARY (M1, M2, M3, M4, M5, M6)
20162903	LIMIT, PRIMARY (M7)
10123529	LIMIT-RESET MAN-GREEN
0131F00334M	MOTOR 1 HP W/O CONTROLLER (M7, M8, M9)
0131F00332M	MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4)
0131F00333M	MOTOR 3/4 HP W/O CONTROLLER (M5, M6)
0131F00244	MOTOR PROGRAMMED (M7)
0131F00241	MOTOR PROGRAMMED (M1, M2)
0131F00243	MOTOR PROGRAMMED (M5, M6)
0131F00245	MOTOR PROGRAMMED (M8, M9)
0131F00242	MOTOR PROGRAMMED (M3, M4)
0131M00002P	MOTOR, VENT 80+
0130F00008	SINI IGNITOR
0130F00504	SWITCH, PRESSURE (M1, M2, M3, M4, M5, M6, M7)
0130F00507	SWITCH, PRESSURE (M8, M9)
0130M00140	TRANSFORMER,(120V TO 24V,40VA,

SPECIAL PARTS

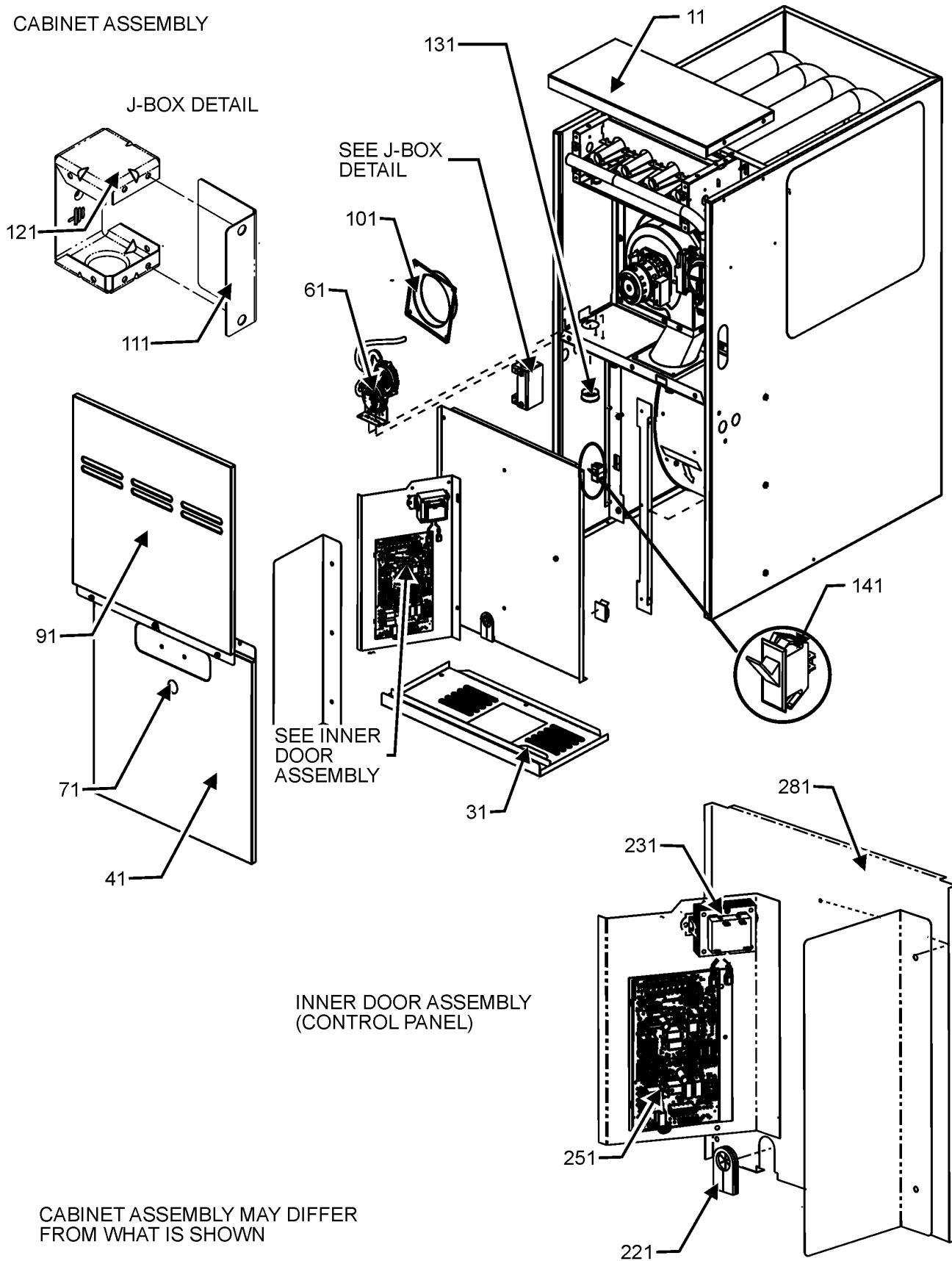
0161F00007 NAMEPLATE, GOODMAN

Expanded Model Nomenclature

M1 - GD9S800403ANAA
M2 - GD9S800403AXAA
M3 - GD9S800603ANAA
M4 - GD9S800603AXAA
M5 - GD9S800804BNAA
M6 - GD9S800804BXAA
M7 - GD9S800805CXAA
M8 - GD9S801005CNAA
M9 - GD9S801005CXAA

Cabinet Assembly

CABINET ASSEMBLY



Cabinet Assembly

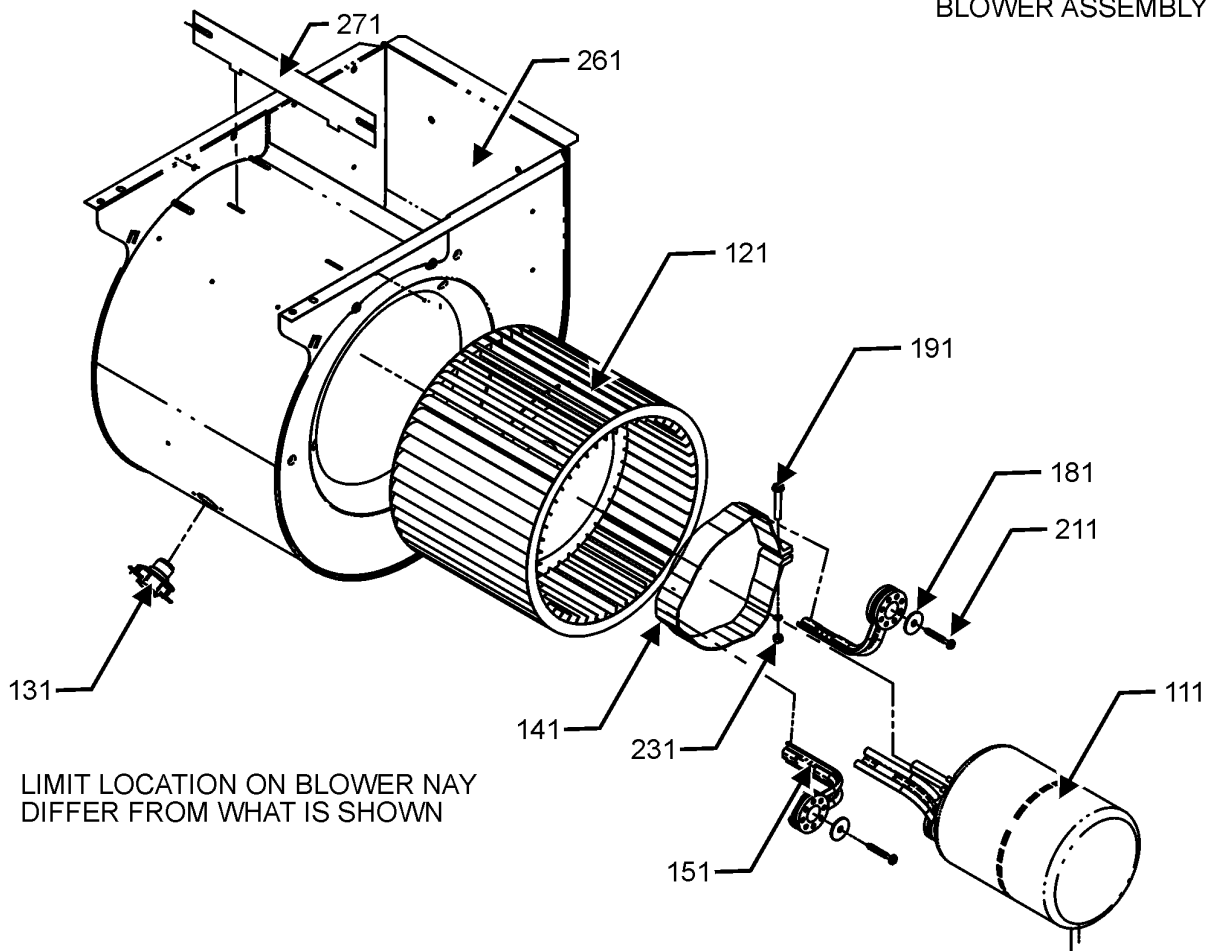
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121F00183DG		PAINTED 14" FURNACE BOTTOM (M1, M2, M3, M4)
11	0121F00829DG		PAINTED FURNACE BOTTOM (M5, M6)
11	0121F00830DG		PAINTED FURNACE BOTTOM (M7, M8, M9)
31	0121F20093DG		PNL, FURNACE TOP PNT (M7, M8, M9)
31	0121F20095DG		PNL, FURNACE TOP PNT (M1, M2, M3, M4)
31	0121F20096DG		PNL, FURNACE TOP PNT (M5, M6)
41	0121F00122DG		DOOR, BLOWER, 14"-PAINTED (M1, M2, M3, M4)
41	0121F00123DG		DOOR, BLOWER, 17.5" PAINTED (M5, M6)
41	0121F00124DG		DOOR, BLOWER, 21"-PAINTED (M7, M8, M9)
61	0130F00504		SWITCH, PRESSURE (M1, M2, M3, M4, M5, M6, M7)
61	0130F00507		SWITCH, PRESSURE (M8, M9)
71	B1392139		VIEW PORT BUSHING CLEAR
91	0121F20089DG		PNL, CONTROL ACCESS DOOR PNT (M1, M2, M3, M4)
91	0121F20091DG		PNL, CONTROL ACCESS DOOR PNT (M5, M6)
91	0121F20092DG		PNL, CONTROL ACCESS DOOR PNT (M7, M8, M9)
101	4023500		CHIMNEY TRANSITION TOP
111	0121F20061		BOX, JUNCTION 80%
121	0121F20060		BOX, JUNCTION 90%
131	0163F00001		UNIVERSAL BUSHING WITH SLICE
141	10690402		INTERLOCK SWITCH
221	20477501		GROMMET-HORSESHOE
231	0130M00140		TRANSFORMER,(120V TO 24V,40VA,
251	PCBBF301V007		CIRCUIT BOARD, FURNACE
281	0121F20138		PLN, INNER DOOR (M1, M2, M3, M4)
281	0121F20007		PNL, INNER DOOR 17.5" (M5, M6)
281	0121F20009		PNL, INNER DOOR 21" (M7, M8, M9)
NS	0154F00041		GASKET FRESH AIR
NS	0161F00007		NAMEPLATE, GOODMAN

Expanded Model Nomenclature

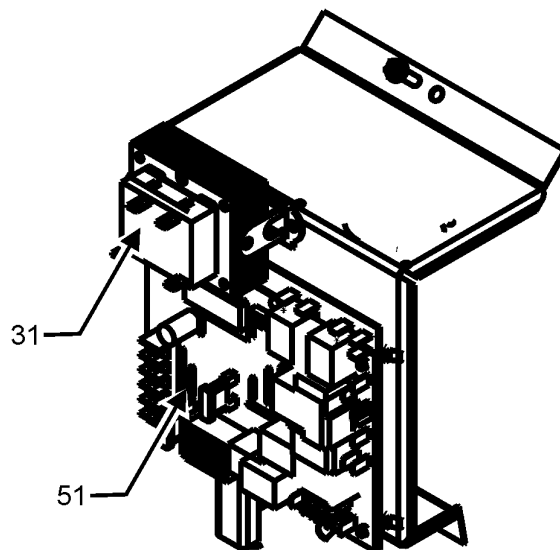
M1 - GD9S800403ANAA
M2 - GD9S800403AXAA
M3 - GD9S800603ANAA
M4 - GD9S800603AXAA
M5 - GD9S800804BNAA
M6 - GD9S800804BXAA
M7 - GD9S800805CXAA
M8 - GD9S801005CNAA
M9 - GD9S801005CXAA

Blower and Circuit Board Assembly

BLOWER ASSEMBLY



BOARD ASSEMBLY ON BLOWER



BLOWER AND BOARD ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Blower and Circuit Board Assembly

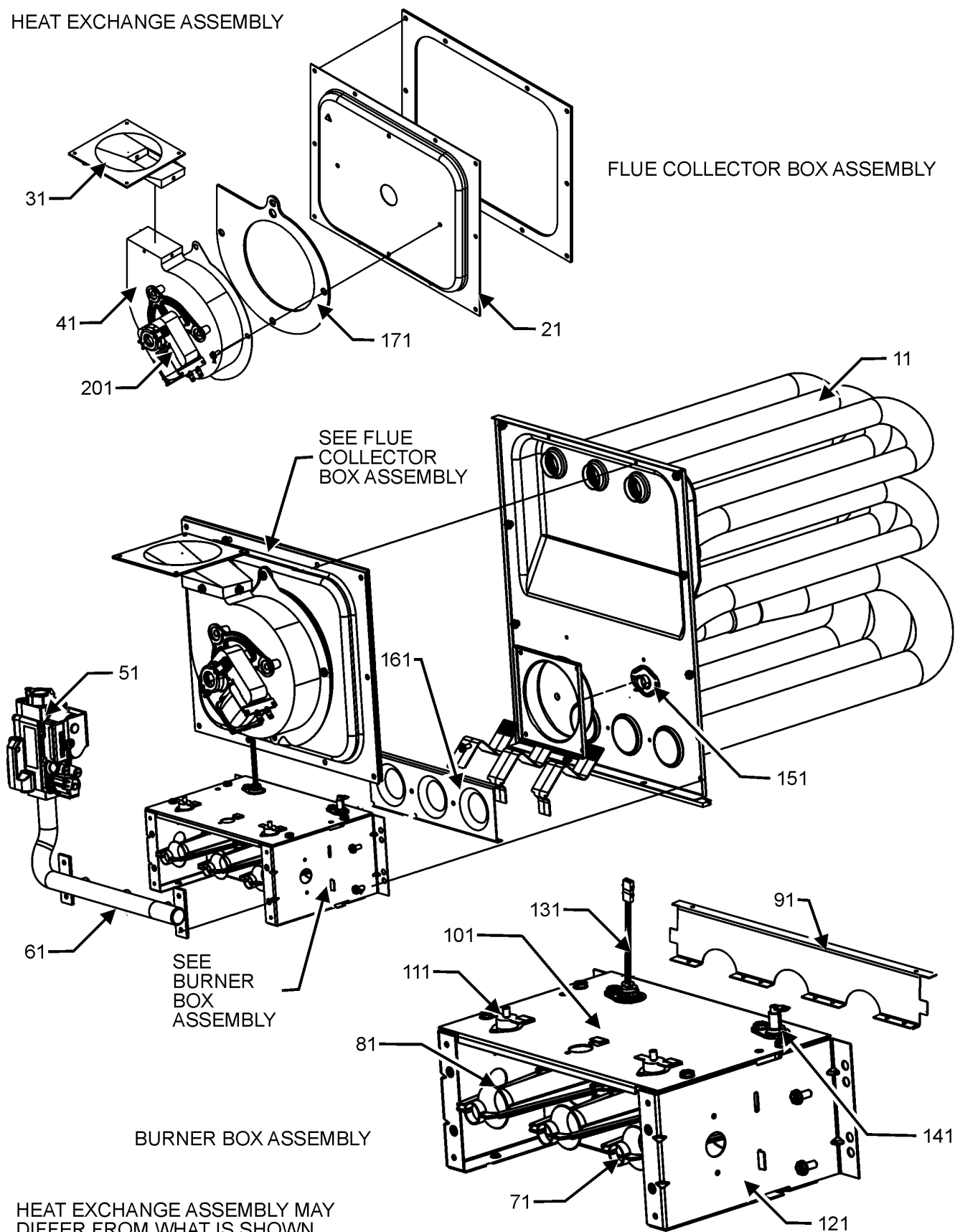
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
31	0130M00140		TRANSFORMER,(120V TO 24V,40VA,
51	PCBBF301V007		CIRCUIT BOARD, FURNACE
111	0131F00334M		MOTOR 1 HP W/O CONTROLLER (M7, M8, M9)
111	0131F00332M		MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4)
111	0131F00333M		MOTOR 3/4 HP W/O CONTROLLER (M5, M6)
111	0131F00241		MOTOR PROGRAMMED (M1, M2)
111	0131F00242		MOTOR PROGRAMMED (M3, M4)
111	0131F00243		MOTOR PROGRAMMED (M5, M6)
111	0131F00244		MOTOR PROGRAMMED (M7)
111	0131F00245		MOTOR PROGRAMMED (M8, M9)
121	0150M00042		WHEEL, BLOWER (10 X 10) (M7, M8, M9)
121	0150M00043		WHEEL, BLOWER (10 X 8) (M5, M6)
121	0150M00061		WHEEL,BLOWER (M1, M2, M3, M4)
131	0130F00038		LIMIT, AUX
141	0121M00039		MOUNT BAND, MOTOR (HEAVY DUTY)
141	0121M00039		MOUNT BAND, MOTOR (HEAVY DUTY)
151	0163M00538		MOUNT ARM, MOTOR (QTY 3)
181	B1392918		WASHER, FLAT 1/4 ID X 1 OD (QTY 3)
191	0163M00320		HEX HEAD ALL THREAD TAP BOLT
211	M0250565		SCREW-TC 1.25" (QTY 3)
211	M0250565		SCREW-TC 1.25" (QTY 3)
231	B1393800		LOCKNUT, NYLON INSERT 1/4 20
261	2539307		BLWR SHL ASM 10X10 10X10 (M7, M8, M9)
261	2539305		BLWR SHL ASM 10X6 10X6 (M1, M2, M3, M4)
261	2539306		BLWR SHL ASM 10X8 10X8 (M5, M6)
271	764741		BLWR BLK-OFF,10X10 (M7, M8, M9)
271	764739		BLWR BLK-OFF,10X6 (M1, M2, M3, M4)
271	764740		BLWR BLK-OFF,10X8 (M5, M6)
NS	0159F00119		CTM,MOTOR HARNESS
NS	0159F00163		SINGLE STAGE CF WIRE HARNESS (M1, M2)
NS	0159F00164		SINGLE STAGE CF WIRE HARNESS (M3, M4, M5, M6, M7, M8, M9)

Expanded Model Nomenclature

M1 - GD9S800403ANAA
M2 - GD9S800403AXAA
M3 - GD9S800603ANAA
M4 - GD9S800603AXAA
M5 - GD9S800804BNAA
M6 - GD9S800804BXAA
M7 - GD9S800805CXAA
M8 - GD9S801005CNAA
M9 - GD9S801005CXAA

Heat Exchange Assembly

HEAT EXCHANGE ASSEMBLY



Heat Exchange Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0270F03525		HEAT EXCHANGER ASSY (M1, M2)
11	0270F03526		HEAT EXCHANGER ASSY (M3, M4)
11	0270F03527		HEAT EXCHANGER ASSY (M5, M6)
11	0270F03528		HEAT EXCHANGER ASSY (M8, M9)
11	0270F03900		HEAT EXCHANGER ASSY (M7)
21	0121F00327		14" COLLECTOR BOX 1.125" DIA (M1, M2)
21	0121F00364		14" FLUE COLLECTOR BOX 1.5"DIA (M3, M4)
21	0121F00365		21" COLLECTOR BOX 1.437" DIA. (M7)
21	0121F00334		21" COLLECTOR BOX 1.625" DIA (M8, M9)
21	0121F00128		COLLECTOR BOX 17.5" 1.75 DIA (M5, M6)
31	0128F00006		TRANSITION, BOTTOM
41	0131M00002P		MOTOR, VENT 80+
51	0151M00105		GAS VALVE
61	0120F00006		MANIFOLD (M1, M2)
61	0120F00007		MANIFOLD (M3, M4)
61	0120F00008		MANIFOLD (M5, M6, M7)
61	0120F00009		MANIFOLD (M8, M9)
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)
91	0121F00169		BURNER RACK, 4 CELL (M5, M6, M7)
91	0121F00170		BURNER RACK, 5 CELL (M8, M9)
101	0121F00162		TOP, BURNER BOX 2 CELL (M1, M2)
101	0121F00759		TOP, BURNER BOX 3 CELL (M3, M4)
101	0121F00760		TOP, BURNER BOX 4 CELL (M5, M6, M7)
101	0121F00761		TOP, BURNER BOX 5 CELL (M8, M9)
111	10123529		LIMIT-RESET MAN-GREEN
121	0121F00146		BURNER BOX SIDE (QTY 2)
131	0130F00008		SINI IGNITOR
141	0130F00010		FLAME SENSOR
151	0130F00036		LIMIT, PRIMARY (M1, M2, M3, M4, M5, M6)
151	20162901		LIMIT, PRIMARY (M8, M9)
151	20162903		LIMIT, PRIMARY (M7)
161	4028000		ORIFICE PLATE, 2CELL (M1, M2)
161	4028001		ORIFICE PLATE, 3CELL (M3, M4)
161	4028002		ORIFICE PLATE, 4 CELL (M5, M6, M7)
161	4028003		ORIFICE PLATE, 5CELL (M8, M9)
171	0154F00003		GASKET-14 INCH (M1, M2, M3, M4)
171	0154F00004		GASKET-17.5 INCH (M5, M6)
171	0154F00005		GASKET-21 INCH (M7, M8, M9)
201	DY6.186.070		VENT MOTOR CAPACITOR
NS	0259F00302		WIRE HARNESS ASSY IGNITOR

Expanded Model Nomenclature

M1 - GD9S800403ANAA
M2 - GD9S800403AXAA
M3 - GD9S800603ANAA
M4 - GD9S800603AXAA
M5 - GD9S800804BNAA
M6 - GD9S800804BXAA
M7 - GD9S800805CXAA
M8 - GD9S801005CNAA
M9 - GD9S801005CXAA