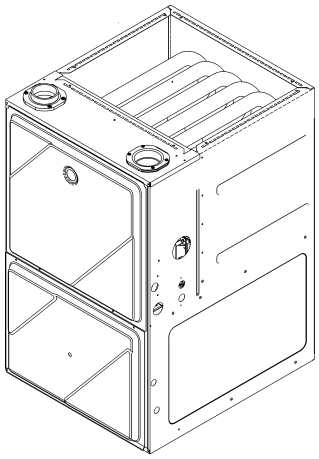
REPAIR PARTS

AM9S 96% FER Up Flow Furnace

AM9S960403ANAA
AM9S960603BNAA
AM9S960803BNAA
AM9S960804CNAA
AM9S960805CNAA
AM9S961005CNAA
AM9S961205DNAA



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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 - 11

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 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.

For assistance within the U.S.A. contact:
Homeowner Support
Goodman 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 Company, L.P.
19001 Kermier Road
Waller, Texas 77484
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part No:	Description:
0163F00017	BECKETT BURNER (QTY 2)
0271F00163	BLOWER SHELL & WHEEL ASSY (M7)
0271F00159	BLOWER SHELL & WHEEL ASSY (M2, M3)
0271F00161	BLOWER SHELL & WHEEL ASSY (M4, M5, M6)
PCBBF163	CIRCUIT BOARD, FURNACE
0130F00010	FLAME SENSOR
0151M00037	GAS VALVE
0257F00375	HEAT EXCHANGER ASSY (M2)
0257F00418	HEAT EXCHANGER ASSY (M1)
0257F00461	HEAT EXCHANGER ASSY (M7)
0257F00354	HEAT EXCHANGER ASSY. (M3)
0257F00291	HEAT EXCHANGER ASSY. (M6)
0257F00290	HEAT EXCHANGER ASSY. (M4, M5)
0130F00008	IGNITOR-SINI 17 SEC
0130M00243	INTERLOCK SWITCH
20162904	LIMIT, PRIMARY (M3, M6, M7)
20162903	LIMIT, PRIMARY (M1, M2, M4, M5)
0130F00038	LIMIT, PRIMARY, 120, LT BLUE (QTY 2)
0130F00123	LIMIT, RESET MAN (M5)
10123538	LIMIT-MAN-TAN (M1, M3, M6)
10123539	LIMIT-RESET MAN-ORANGE (M2, M4)
10123528	LIMIT-RESET MAN-RED (M7)
0131F00269	MOTOR PROGRAMMED (M1)
0131F00325	MOTOR PROGRAMMED (M7)
0131F00274	MOTOR PROGRAMMED (M5)
0131F00273	MOTOR PROGRAMMED (M6)
0131F00272	MOTOR PROGRAMMED (M4)
0131F00271	MOTOR PROGRAMMED (M3)
0131F00270	MOTOR PROGRAMMED (M2)
0171M00008	MOTOR, ID BLOWER (M1)
0171M00001	MOTOR-ID, BLOWER (M2, M3, M4, M5, M6, M7)
0130F00642	PRESSURE SWITCH (M1)
0130F00442	SWITCH, PRESSURE (M2)
0130F00439	SWITCH, PRESSURE (M3, M4, M5, M6)
0130F00438	SWITCH, PRESSURE (M7)
0130M00140	TRANSFORMER 120V TO 24V, 40VA

SPECIAL PARTS

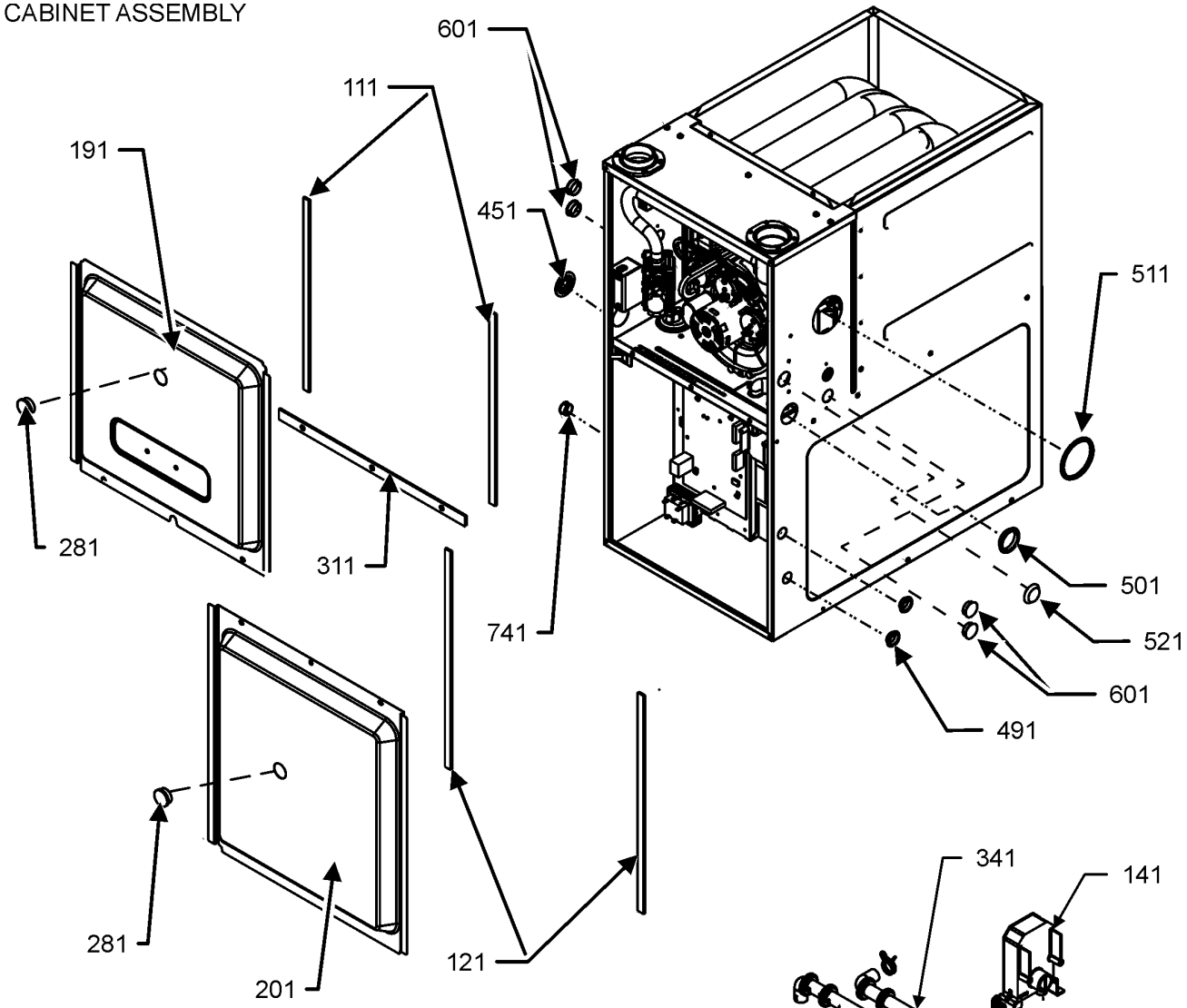
0161M00032	NAMEPLATE, AMANA

Expanded Model Nomenclature

M1 - AM9S960403ANAA
M2 - AM9S960603BNAA
M3 - AM9S960803BNAA
M4 - AM9S960804CNAA
M5 - AM9S960805CNAA
M6 - AM9S961005CNAA
M7 - AM9S961205DNAA

Cabinet Assembly

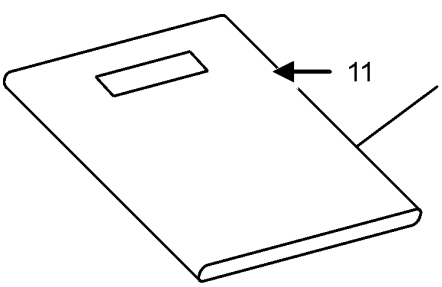
CABINET ASSEMBLY

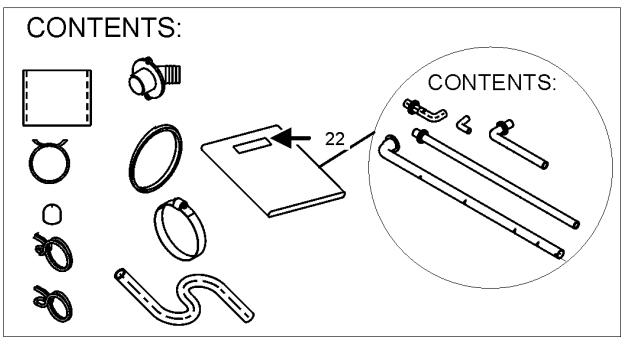


CABINET ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

DRAIN TRAP ASSEMBLY

DRAIN KIT ASSEMBLY





Cabinet Assembly

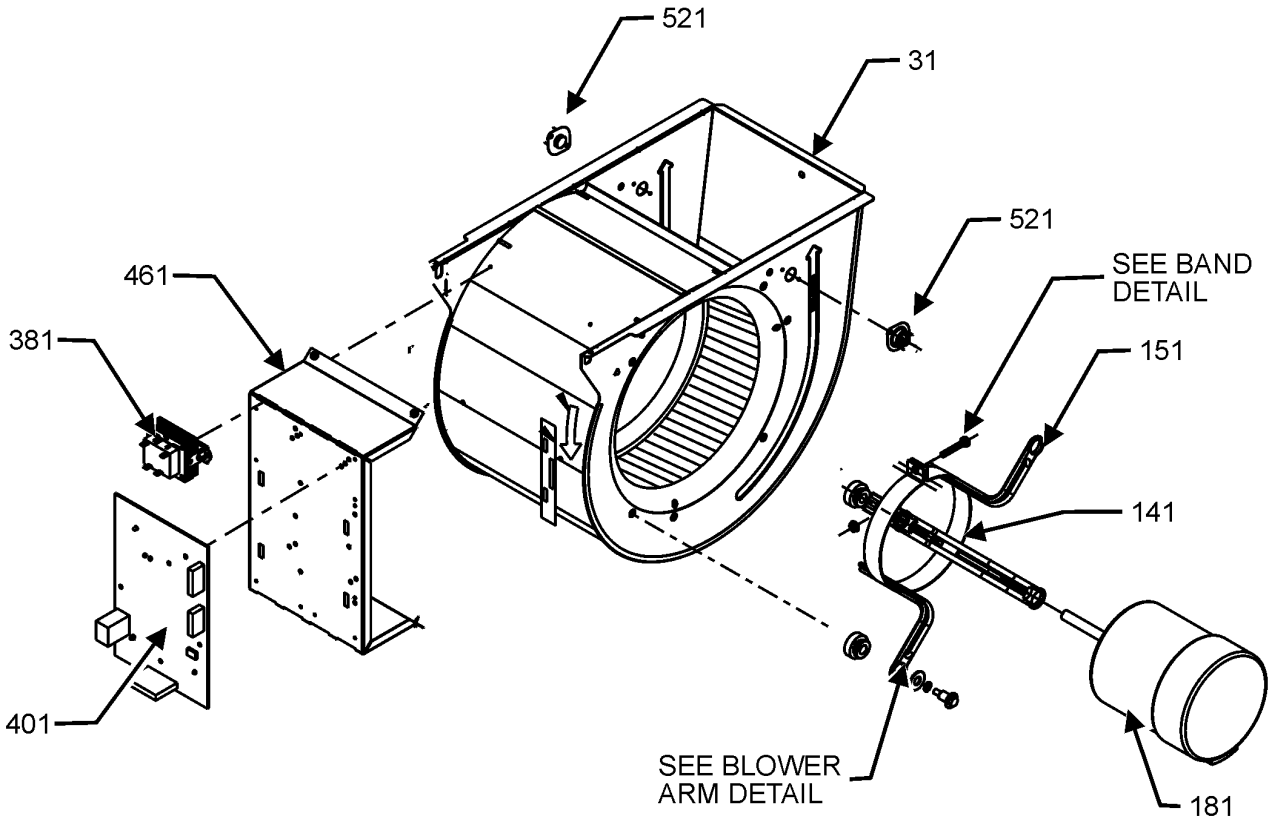
Ref. No:	Part No:	Description:
Image 1:		
11	0270F05248	DRAIN KIT ASSY
21	0270F05248	DRAIN KIT ASSY
111	0154F00024	GASKET (QTY 2)
121	0154F00025	GASKET (QTY 2)
141	0161F00046	DRAIN TRAP
191	0121F00338LG	DOOR ACCESS 21" PNT (M4, M5, M6)
191	0121F00337LG	DOOR, ACCESS 17.5" PNT (M2, M3)
191	0121F00339LG	DOOR, ACCESS 24.5" PNT (M7)
191	0121F00673LG	PNT, DOOR, ACCESS 14" (M1)
201	0121F00340LG	DOOR, BLOWER 17.5" PNT (M2, M3)
201	0121F00341LG	DOOR, BLOWER 21" PNT (M4, M5, M6)
201	0121F00342LG	DOOR, BLOWER 24.5" PNT (M7)
201	0121F00671LG	PNT,DOOR, BLOWER 14" (M1)
281	B1392139	VIEW PORT BUSHING-BLOWER DOOR (QTY 2)
311	0154F00020	GASKET, DECK (M2, M3)
311	0154F00021	GASKET, DECK (M4, M5, M6)
311	0154F00022	GASKET, DECK (M7)
311	0154F00063	GASKET, DECK (M1)
341	0164F00017	HOSE-ELBOW/TRAP
351	0164F00020	DRAIN HOSE (M1)
351	0164F00006	HOSE, COVER/TRAP (M7)
351	0164F00024	HOSE, COVER/TRAP (M2, M3, M4, M5, M6)
451	M0501301	PIPE GROMMET
491	M0570808	BUTTON PLUG (QTY 3)
501	M0570806	BUTTON PLUG
511	M0570807	BUTTON PLUG
521	0161M00027	PLUG, HOLE (M1, M2, M3, M6)
601	B1392021	PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
741	B1392104	UNIVERSAL BUSHING UB 875
NS	M0310345	BUTTON PLUG (QTY 2)
NS	0163M00319	HEX NUT-INSERT (QTY 3)
NS	0161M00032	NAMEPLATE, AMANA
NS	M0273904	RETAINER-SCREW (QTY 3)
NS	M0209730	SCREW-DECORATIVE (QTY 3)

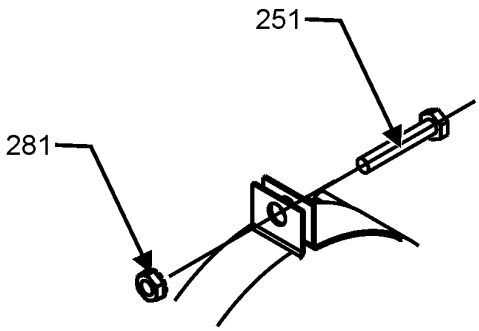
Expanded Model Nomenclature

M1 - AM9S960403ANAA
M2 - AM9S960603BNAA
M3 - AM9S960803BNAA
M4 - AM9S960804CNAA
M5 - AM9S960805CNAA
M6 - AM9S961005CNAA
M7 - AM9S961205DNAA

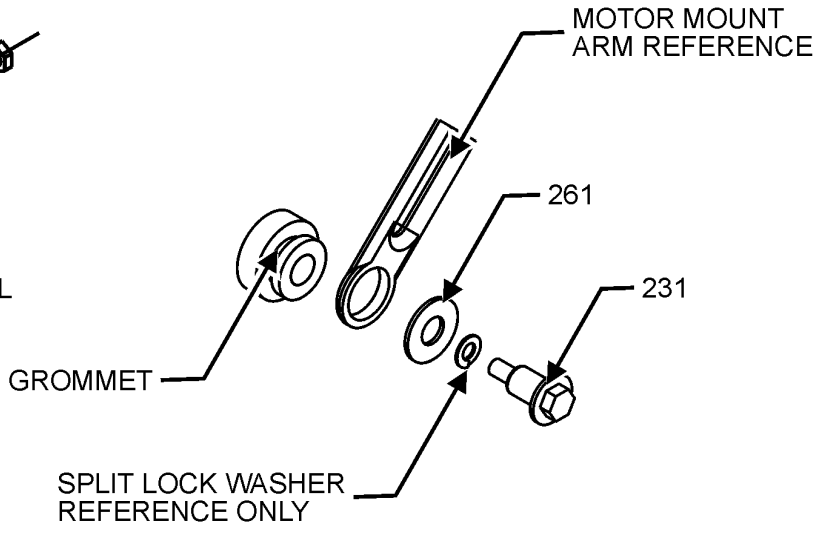
Blower Assembly

BLOWER ASSEMBLY





BAND DETAIL



BLOWER ARM DETAIL

BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

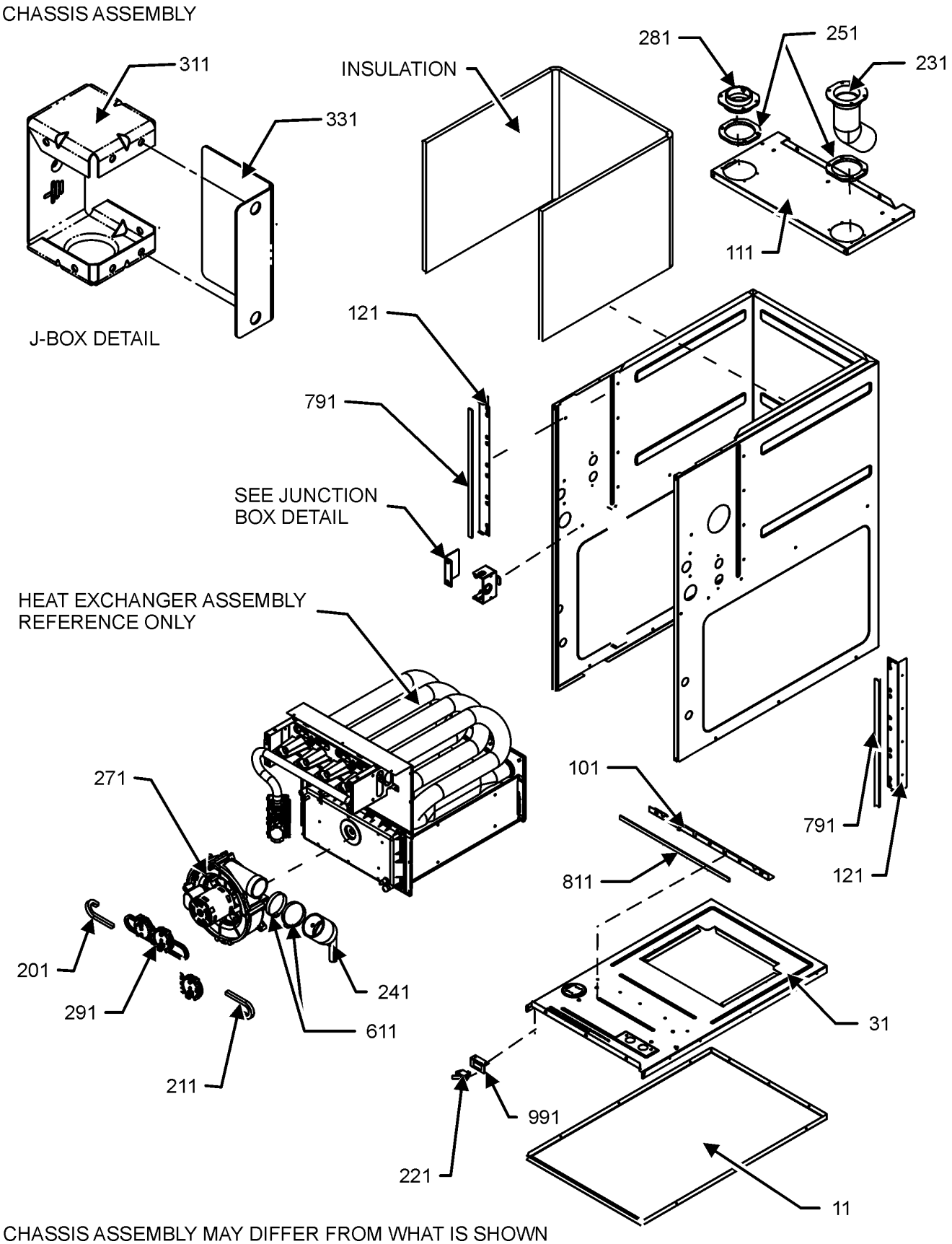
Blower Assembly

Ref. No:	Part No:	Description:
Image 1:		
31	0271F00159	BLOWER SHELL & WHEEL ASSY (M2, M3)
31	0271F00161	BLOWER SHELL & WHEEL ASSY (M4, M5, M6)
31	0271F00163	BLOWER SHELL & WHEEL ASSY (M7)
31	0271F00322	BLOWER SHELL & WHEEL ASSY (M1)
141	0121M00039	MOUNT BAND, MOTOR (HEAVY DUTY)
151	0163M00538	MOUNT ARM, MOTOR (QTY 3)
181	0131F00269	MOTOR PROGRAMMED (M1)
181	0131F00270	MOTOR PROGRAMMED (M2)
181	0131F00271	MOTOR PROGRAMMED (M3)
181	0131F00272	MOTOR PROGRAMMED (M4)
181	0131F00273	MOTOR PROGRAMMED (M6)
181	0131F00274	MOTOR PROGRAMMED (M5)
181	0131F00325	MOTOR PROGRAMMED (M7)
231	M0250565	TC SCREW 1.25" (QTY 3)
251	0163M00320	HEX HEAD ALL THREAD TAP BOLT
261	B1392918	WASHER, FLAT 1/4 ID X 1 OD (QTY 3)
281	B1393800	LOCKNUT, NYLON, INSERT 1/4, 20
381	0130M00140	TRANSFORMER 120V TO 24V, 40VA
401	PCBBF163	CIRCUIT BOARD, FURNACE
461	0121F00464	MOUNTING PLATE-CONTROLS
521	0130F00038	LIMIT, PRIMARY, 120, LT BLUE (QTY 2)
NS	0159F00119	CTM, MOTOR HARNESS
NS	B1392021	PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
NS	0259F00024	WIRE HARNESS-BLOWER

Expanded Model Nomenclature

M1 - AM9S960403ANAA
M2 - AM9S960603BNAA
M3 - AM9S960803BNAA
M4 - AM9S960804CNAA
M5 - AM9S960805CNAA
M6 - AM9S961005CNAA
M7 - AM9S961205DNAA

Chassis Assembly



CHASSIS ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

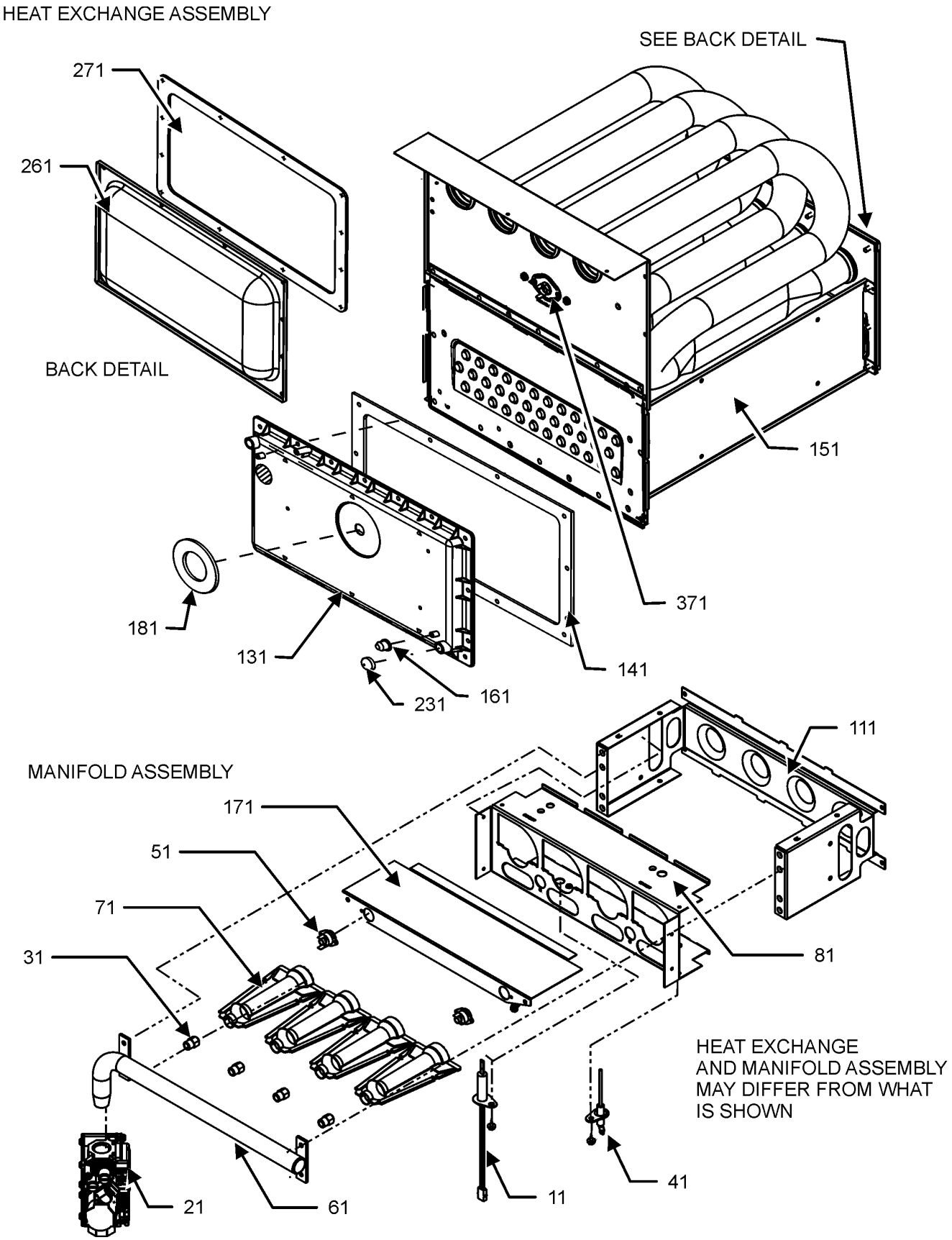
Chassis Assembly

Ref. No:	Part No:	Description:
Image 1:		
11	0121F00530DG	BASEPAN, 17.5 (M2, M3)
11	0121F00531DG	BASEPAN, 21 PNT (M4, M5, M6)
11	0121F00532DG	BASEPAN, 24.5 PNT (M7)
11	0121F00664DG	BASEPAN,14 PNT (M1)
31	0121F00663	DECK, BLOWER 14" (M1)
31	0121F00533	DECK-BLOWER 17.5" (M2, M3)
31	0121F00534	DECK-BLOWER 21" (M4, M5, M6)
31	0121F00535	DECK-BLOWER 24.5" (M7)
101	0121F00314	ANGLE, DECK (M2, M3)
101	0121F00315	ANGLE, DECK (M4, M5, M6)
101	0121F00316	ANGLE, DECK (M7)
101	0121F00661	ANGLE, DECK (M1)
111	0121F00279DG	PAINTED TOP, FURNACE 17.5 (M2, M3)
111	0121F00280DG	PAINTED TOP, FURNACE 21 (M4, M5, M6)
111	0121F00281DG	PAINTED TOP, FURNACE 24.5 (M7)
111	0121F00662DG	PNT, FURNACE TOP 14" (M1)
121	0121F00313	ANGLE, SIDE (QTY 2)
201	0164M00118	HOSE- PRESSURE SW 10" (M1, M4, M7)
201	0164M00117	HOSE- PRESSURE SW 8" (M2, M3, M5, M6)
211	0164M00119	HOSE- PRESSURE SW 12"
221	0130M00243	INTERLOCK SWITCH
231	0164F00002	FLUE PIPE W/BEND
241	0164F00025	ELBOW-FLUE,UPFLOW
251	0154F00041	FRESH AIR GASKET
271	0171M00008	MOTOR, ID BLOWER (M1)
271	0171M00001	MOTOR-ID, BLOWER (M2, M3, M4, M5, M6, M7)
281	0161F00037	COUPLING
291	0130F00642	PRESSURE SWITCH (M1)
291	0130F00438	SWITCH, PRESSURE (M7)
291	0130F00439	SWITCH, PRESSURE (M3, M4, M5, M6)
291	0130F00442	SWITCH, PRESSURE (M2)
311	0161F00042	JUNCTION BOX PLA
331	0161F00043	JUNCTION BOX LID
611	0163M00460	CLAMP-HOSE (QTY 2)
791	0154F00015	GASKET (QTY 2)
811	0154F00014	GASKET (M2, M3)
811	0154F00016	GASKET (M4, M5, M6)
811	0154F00064	GASKET (M1)
811	20194607	GASKET (M7)
991	0121F00389	BRACKET, DOOR SWITCH
NS	0154F00041	FRESH AIR GASKET
NS	0160F00025	INSULATION, HT EXCHANGER (M1)
NS	0160F00015	INSULATION, HT EXCHANGER 17.5" (M2, M3)
NS	0160F00016	INSULATION, HT EXCHANGER 21" (M4, M5, M6)
NS	0160F00017	INSULATION, HT EXCHANGER 24.5" (M7)
NS	M0326804	PLUG-TUBE
NS	0159F00142	WIRE HARNESS (M1)
NS	0159F00143	WIRE HARNESS (M2, M3, M4, M5, M6, M7)

Expanded Model Nomenclature

M1 - AM9S960403ANAA
M2 - AM9S960603BNAA
M3 - AM9S960803BNAA
M4 - AM9S960804CNAA
M5 - AM9S960805CNAA
M6 - AM9S961005CNAA
M7 - AM9S961205DNAA

Heat Exchange and Manifold Assembly



Heat Exchange and Manifold Assembly

Ref. No:	Part No:	Description:
Image 1:		
11	0130F00008	IGNITOR-SINI 17 SEC
21	0151M00037	GAS VALVE
31	10716005	ORIFICE (QTY 2)
41	0130F00010	FLAME SENSOR
51	0130F00123	LIMIT, RESET MAN (M5)
51	10123538	LIMIT-MAN-TAN (M1, M3, M6)
51	10123539	LIMIT-RESET MAN-ORANGE (M2, M4)
51	10123528	LIMIT-RESET MAN-RED (M7)
61	0163F00007	MANIFOLD (M1)
61	0163F00008	MANIFOLD (M2)
61	0163F00009	MANIFOLD (M4, M5)
61	0163F00010	MANIFOLD (M6)
61	0163F00011	MANIFOLD (M7)
61	0163F00014	MANIFOLD (M3)
71	0163F00017	BECKETT BURNER (QTY 2)
81	0121F00456	BRACKET-BURNER 2 (M1)
81	0121F00455	BRACKET-BURNER 3 (M2)
81	0121F00454	BRACKET-BURNER 4 (M3, M4, M5)
81	0121F00453	BRACKET-BURNER 5 (M6)
81	0121F00451	BRACKET-BURNER 6 (M7)
111	0121F00469	ORIFICE BRACKET-BURNER 2 (M1)
111	0121F00468	ORIFICE BRACKET-BURNER 3 (M2)
111	0121F00467	ORIFICE BRACKET-BURNER 4 (M3, M4, M5)
111	0121F00466	ORIFICE BRACKET-BURNER 5 (M6)
111	0121F00465	ORIFICE BRACKET-BURNER 6 (M7)
131	0161F00024	COVER, FRONT (M3)
131	0161F00026	COVER, FRONT (M6)
131	0161F00030	COVER, FRONT (M4, M5)
131	0161F00054	COVER, FRONT (M2)
131	0161F00062	COVER, FRONT (M7)
131	0161F00080	COVER, FRONT (M1)
141	0154F00026	GASKET FRONT COVER (M2, M3)
141	0154F00030	GASKET FRONT COVER (M4, M5, M6)
141	0154F00034	GASKET FRONT COVER (M7)
141	0154F00062	GASKET FRONT COVER (M1)
151	0257F00375	HEAT EXCHANGER ASSY (M2)
151	0257F00418	HEAT EXCHANGER ASSY (M1)
151	0257F00461	HEAT EXCHANGER ASSY (M7)
151	0257F00290	HEAT EXCHANGER ASSY. (M4, M5)
151	0257F00291	HEAT EXCHANGER ASSY. (M6)
151	0257F00354	HEAT EXCHANGER ASSY. (M3)
161	M0326804	TUBE PLUG
171	0121F00540	SHEILD, BURNER (M2)
171	0121F00541	SHEILD, BURNER (M3, M4, M5)
171	0121F00542	SHEILD, BURNER (M6)
171	0121F00543	SHEILD, BURNER (M7)
171	0121F00755	SHIELD, BURNER (M1)
181	0154F00043	GASKET ID BLOWER
231	A1781105	CAP-VINYL .500
261	0121F00317	COVER, REAR (M2, M3)
261	0121F00318	COVER, REAR (M4, M5, M6)
261	0121F00319	COVER, REAR (M7)
261	0121F00670	COVER, REAR (M1)
271	0154F00058	GASKET REAR CVR (M1)
271	0154F00037	GASKET, REAR CVR (M2, M3)
271	0154F00038	GASKET, REAR CVR (M4, M5, M6)
271	0154F00039	GASKET, REAR CVR (M7)

Ref. No:	Part No:	Description:
Image 1:		
371	20162903	LIMIT, PRIMARY (M1, M2, M4, M5)
371	20162904	LIMIT, PRIMARY (M3, M6, M7)
NS	0121F00582	INSULATION, RETAINER (M1)
NS	0121F00583	INSULATION, RETAINER (M2, M3)
NS	0121F00584	INSULATION, RETAINER (M4, M5, M6)
NS	0121F00585	INSULATION, RETAINER (M7)
NS	0121F00439	PRIMARY LIMIT-HEAT SHIELD
NS	0121F00355	SHIELD, COIL (QTY 2)

Expanded Model Nomenclature

M1 - AM9S960403ANAA
M2 - AM9S960603BNAA
M3 - AM9S960803BNAA
M4 - AM9S960804CNAA
M5 - AM9S960805CNAA
M6 - AM9S961005CNAA
M7 - AM9S961205DNAA