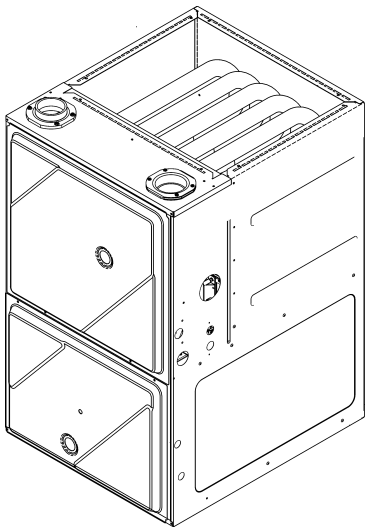
REPAIR PARTS

AR9T96 EEM Up Flow Furnace

AR9T960303ANAA
AR9T960403ANAA
AR9T960603ANAA
AR9T960603BNAA
AR9T960803BNAA
AR9T960804CNAA
AR9T961004CNAA
AR9T961005CNAA
AR9T961205DNAA



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This manual is to be used by qualified technicians only.

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Important Information

Index

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:
0130F00038	AUX LIMIT - LT BLUE 120º (QTY 2)
0163F00017	BECKETT BURNER (QTY 2)
0271F00607	BLOWER SHELL & WHEEL ASSY (M1, M2, M3)
0130F00010	FLAME SENSOR
0151M00027	GAS VALVE
0257F20103	HEAT EXCHANGER ASSY (M8)
0257F20101	HEAT EXCHANGER ASSY (M5)
0257F20100	HEAT EXCHANGER ASSY (M3)
0257F20099	HEAT EXCHANGER ASSY (M2)
0257F20098	HEAT EXCHANGER ASSY (M1)
0257F20092	HEAT EXCHANGER ASSY (M9)
0257F20089	HEAT EXCHANGER ASSY (M6)
0257F20087	HEAT EXCHANGER ASSY (M4)
0257F20102	HEAT EXCHANGER ASSY (M7)
0130F00008	IGNITOR-SINI 17 SEC
0130F00036	LIMIT, PRIMARY (M9)
20162906	LIMIT, PRIMARY (M4, M7)
20162904	LIMIT, PRIMARY (M5, M6)
20162903	LIMIT, PRIMARY (M1, M2, M3, M8)
0130F00123	LIMIT, RESET MAN (M5)
10123538	LIMIT-MAN-LIGHT GREEN (M1, M2)
10123527	LIMIT-RESET MAN-BROWN (M9)
10123534	LIMIT-RESET MAN-ORANGE (M7, M8)
10123539	LIMIT-RESET MAN-ORANGE (M4, M6)
10123517	LIMIT-RESET MAN-WHITE (M3)
0271F00507	MORRISON 11 X 10 BLOWER (M6, M7, M8)
0271F00508	MORRISON 11 X 11 BLOWER (M9)
0271F00506	MORRISON 11 X 8 BLOWER (M4, M5)
0131F00333M	MOTOR 1 HP W/O CONTROLLER (M6)
0131F00334M	MOTOR 1 HP W/O CONTROLLER (M7, M8, M9)
0131F00332M	MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4, M5)
0131F00240	MOTOR PROGRAM (M9)
0131F00239	MOTOR PROGRAM (M8)
0131F00238	MOTOR PROGRAM (M7)
0131F00236	MOTOR PROGRAM (M5)
0131F00235	MOTOR PROGRAM (M4)
0131F00234	MOTOR PROGRAM (M3)
0131F00232	MOTOR PROGRAM (M1)
0131F00237	MOTOR PROGRAM (M6)
0131F00233	MOTOR PROGRAM (M2)
0171M00002	MOTOR-ID, BLOWER (M4, M5, M6, M7, M8, M9)
PCBBF302V010	PCB, CIRCUIT BOARD
0130F00645	PRESSURE SWITCH (M3)
0130F00429	PRESSURE SWITCH (M4, M5, M6, M7, M8, M9)
0130F00646	PRESSURE SWITCH (M3)
0130F00647	PRESSURE SWITCH (M1, M2)
0130F00644	PRESSURE SWITCH (M2)
0130F00643	PRESSURE SWITCH (M1)
0130F00443	SWITCH, PRESSURE (M6, M8)
0130F00434	SWITCH, PRESSURE (M7)
0130F00436	SWITCH, PRESSURE (M5)
0130F00445	SWITCH, PRESSURE (M9)
0130F00435	SWITCH, PRESSURE (M4)
10690402	SWITCH-INTERLOCK
0130M00140	TRANSFORMER, 120V TO 24V,40VA

SPECIAL PARTS

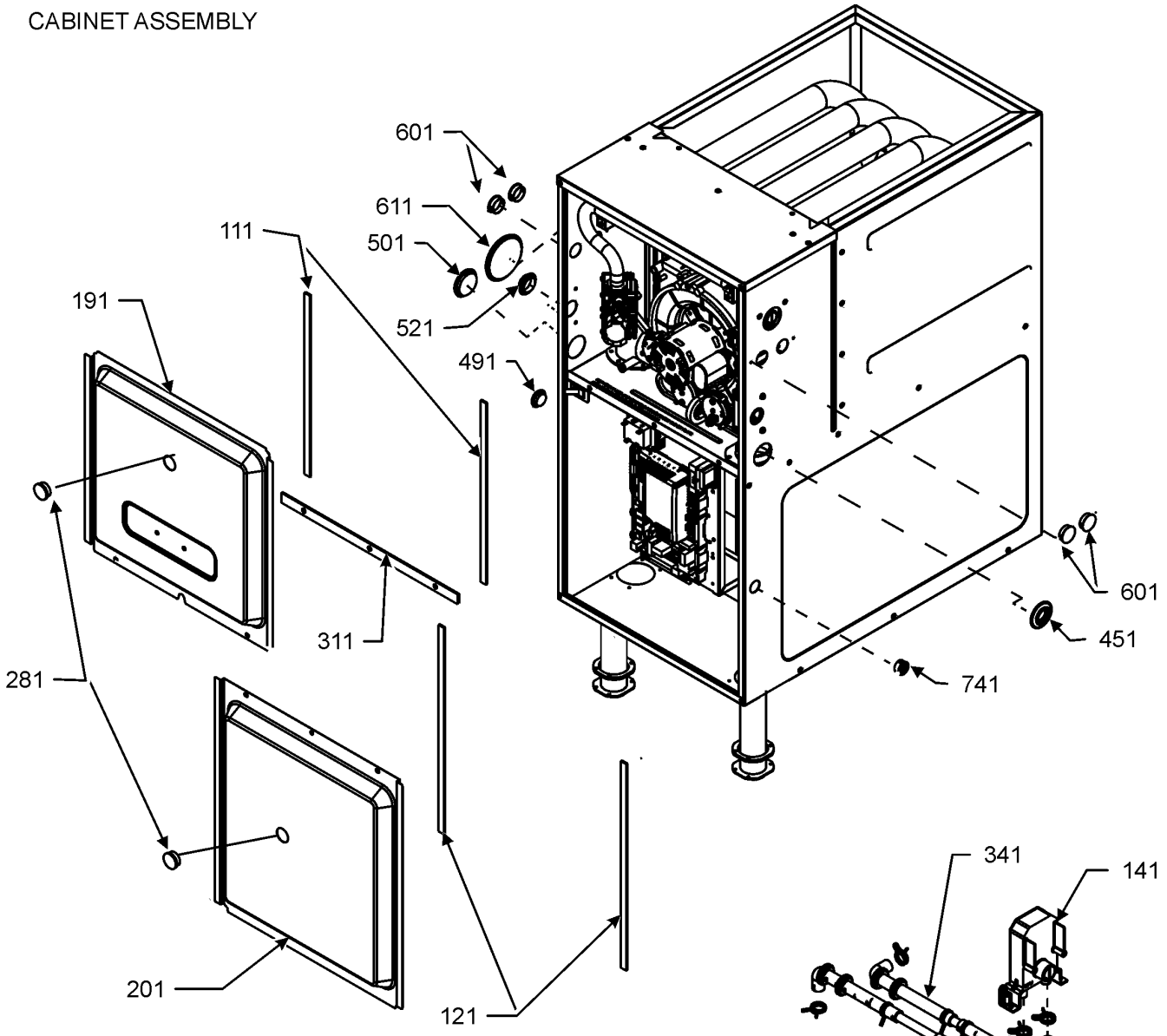
0161M00032	NAMEPLATE, AMANA

Expanded Model Nomenclature

M1 - AR9T960303ANAA
M2 - AR9T960403ANAA
M3 - AR9T960603ANAA
M4 - AR9T960603BNAA
M5 - AR9T960803BNAA
M6 - AR9T960804CNAA
M7 - AR9T961004CNAA
M8 - AR9T961005CNAA
M9 - AR9T961205DNAA

Cabinet Assembly

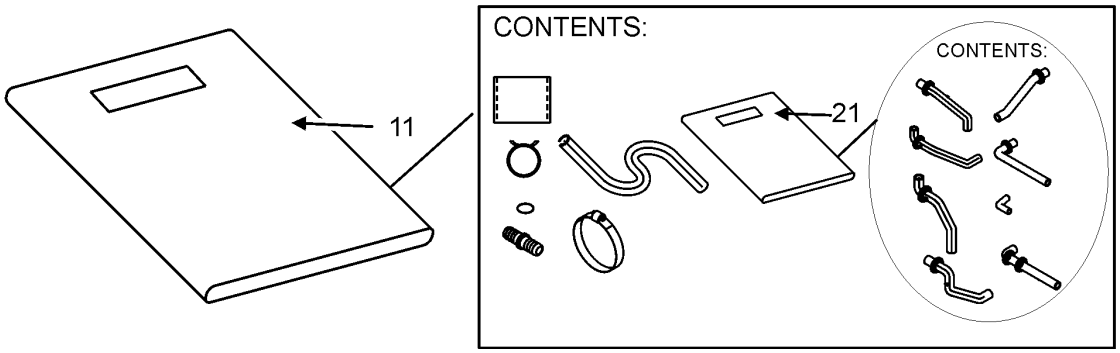
CABINET ASSEMBLY



CABINET ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

DRAIN TRAP ASSEMBLY

DRAIN KIT ASSEMBLY



Cabinet Assembly

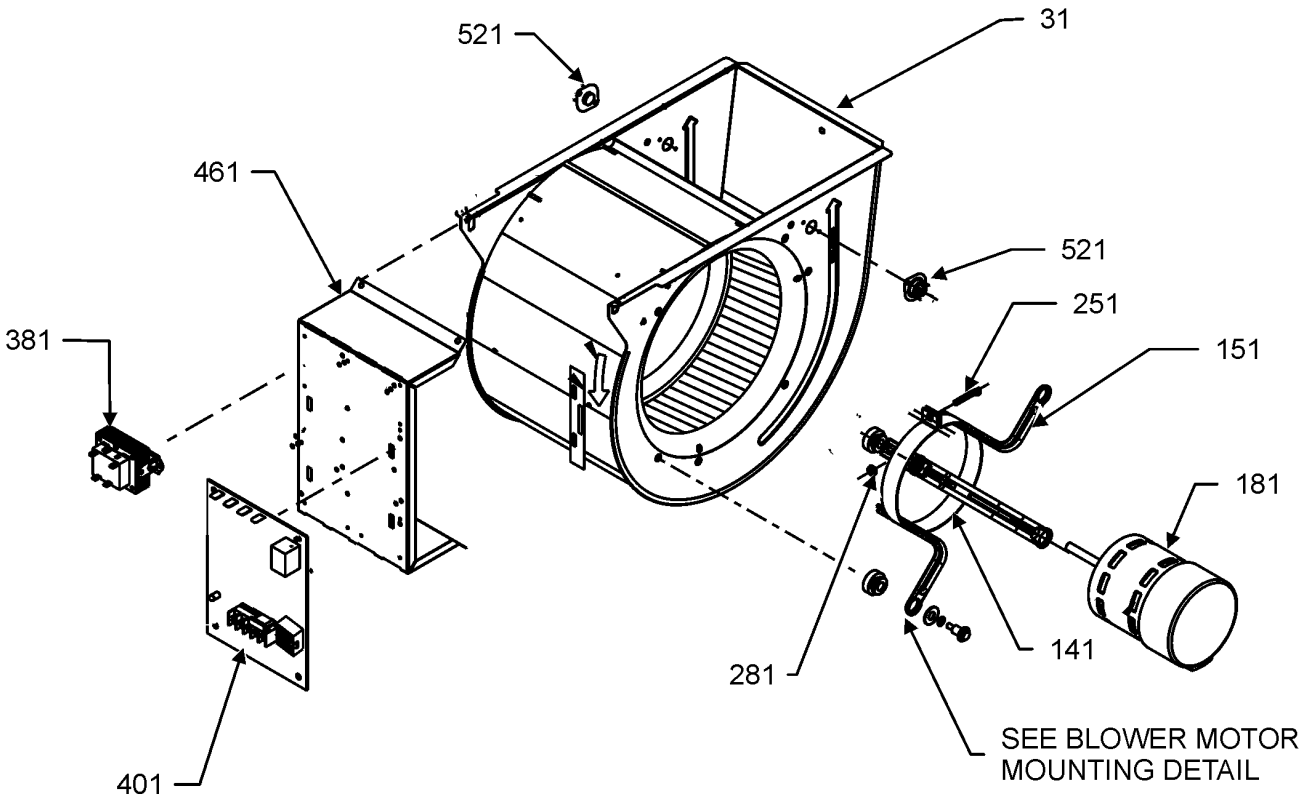
Ref. No:	Part No:	Description:
Image 1:		
11	0270F05402	DRAIN KIT ASSY
21	0270F05402	DRAIN KIT ASSY
111	0154F00024	GASKET (QTY 2)
121	0154F00025	GASKET (QTY 2)
141	0161F00046	DRAIN TRAP
191	0121F00338LG	DOOR ACCESS 21" PNT (M6, M7, M8)
191	0121F00337LG	DOOR, ACCESS 17.5" PNT (M4, M5)
191	0121F00339LG	DOOR, ACCESS 24.5" PNT (M9)
191	0121F00673LG	PNT, DOOR, ACCESS 14" (M1, M2, M3)
201	0121F00340LG	DOOR, BLOWER 17.5" PNT (M4, M5)
201	0121F00341LG	DOOR, BLOWER 21" PNT (M6, M7, M8)
201	0121F00342LG	DOOR, BLOWER 24.5" PNT (M9)
201	0121F00671LG	PNT,DOOR, BLOWER 14" (M1, M2, M3)
281	B1392139	VIEW PORT BUSHING (M4, M5, M6, M7, M8, M9)
311	0154F00020	GASKET, DECK (M4, M5)
311	0154F00021	GASKET, DECK (M6, M7, M8)
311	0154F00022	GASKET, DECK (M9)
311	0154F00063	GASKET, DECK (M1, M2, M3)
341	0164F00017	HOSE-ELBOW/TRAP
351	0164F00020	DRAIN HOSE (M1, M2, M3)
351	0164F00006	HOSE, COVER/TRAP (M9)
351	0164F00024	HOSE, COVER/TRAP (M4, M5, M6, M7, M8)
451	M0501301	PIPE GROMMET
491	M0570808	BUTTON PLUG (QTY 3)
501	M0570806	BUTTON PLUG
521	0161M00027	HOLE PLUG
601	B1392021	PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
611	0163M00460	CLAMP-HOSE (QTY 2)
741	B1392104	UNIVERSAL BUSHING UB 875
NS	M0310345	BUTTON PLUG (QTY 2)
NS	M0570807	BUTTON PLUG
NS	M0209730	DECORATIVE SCREW (QTY 3)
NS	0154F00041	FRESH AIR GASKET
NS	0154F00065	GASKET (M1, M2, M3)
NS	20179307	GASKET (M9)
NS	20179309	GASKET (M4, M5)
NS	20179310	GASKET (M6, M7, M8)
NS	0163M00319	HEX NUT INSERT (QTY 3)
NS	0161M00032	NAMEPLATE, AMANA
NS	M0273904	RETAINER SCREW (QTY 3)

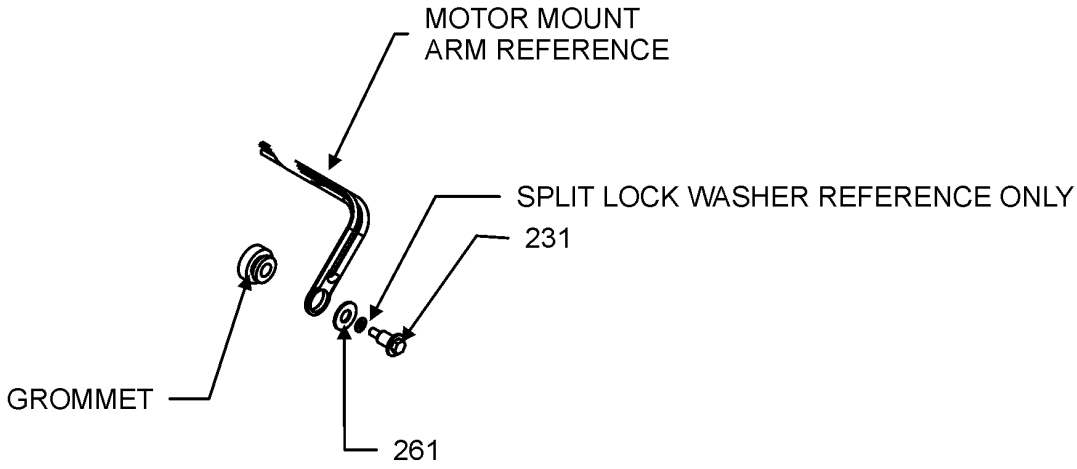
Expanded Model Nomenclature

M1 - AR9T960303ANAA
M2 - AR9T960403ANAA
M3 - AR9T960603ANAA
M4 - AR9T960603BNAA
M5 - AR9T960803BNAA
M6 - AR9T960804CNAA
M7 - AR9T961004CNAA
M8 - AR9T961005CNAA
M9 - AR9T961205DNAA

Blower Assembly

BLOWER ASSEMBLY





BLOWER MOTOR
MOUNTING DETAIL

BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Blower Assembly

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:

Image 1:

31	0271F00607	BLOWER SHELL & WHEEL ASSY (M1, M2, M3)
31	0271F00507	MORRISON 11 X 10 BLOWER (M6, M7, M8)
31	0271F00508	MORRISON 11 X 11 BLOWER (M9)
31	0271F00506	MORRISON 11 X 8 BLOWER (M4, M5)
141	0121M00039	MOUNT BAND, MOTOR (HEAVY DUTY)
151	0163M00538	MOUNT ARM, MOTOR (QTY 3)
181	0131F00333M	MOTOR 1 HP W/O CONTROLLER (M6)
181	0131F00334M	MOTOR 1 HP W/O CONTROLLER (M7, M8, M9)
181	0131F00332M	MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4, M5)
181	0131F00232	MOTOR PROGRAM (M1)
181	0131F00233	MOTOR PROGRAM (M2)
181	0131F00234	MOTOR PROGRAM (M3)
181	0131F00235	MOTOR PROGRAM (M4)
181	0131F00236	MOTOR PROGRAM (M5)
181	0131F00237	MOTOR PROGRAM (M6)
181	0131F00238	MOTOR PROGRAM (M7)
181	0131F00239	MOTOR PROGRAM (M8)
181	0131F00240	MOTOR PROGRAM (M9)
231	M0250565	TC SCREW 1.25" (QTY 3)
251	0163M00320	HEX HEAD ALL THREAD TAP BOLT
261	B1392918	FLAT WASHER (QTY 3)
281	B1393800	LOCKNUT, NYLON, INSERT 1/4, 20
381	0130M00140	TRANSFORMER, 120V TO 24V,40VA
401	PCBBF302V010	PCB, CIRCUIT BOARD
461	0121F00802	MOUNTING PANEL, CONTROLS
521	0130F00038	AUX LIMIT - LT BLUE 120º (QTY 2)
NS	B1392021	1" PLASTIC PLUG (QTY 4)
NS	0159F00160	CTM, MOTOR HARNESS
NS	0259F00024	HARNESS - BLOWER
NS	M0282015	KEPS NUT (M7, M8, M9)
NS	0163M00279	SCREW #6 X .375 SELF DRILL (M7, M8, M9)
NS	B1392820	SLIT LOCK WASHER (M7, M8, M9)

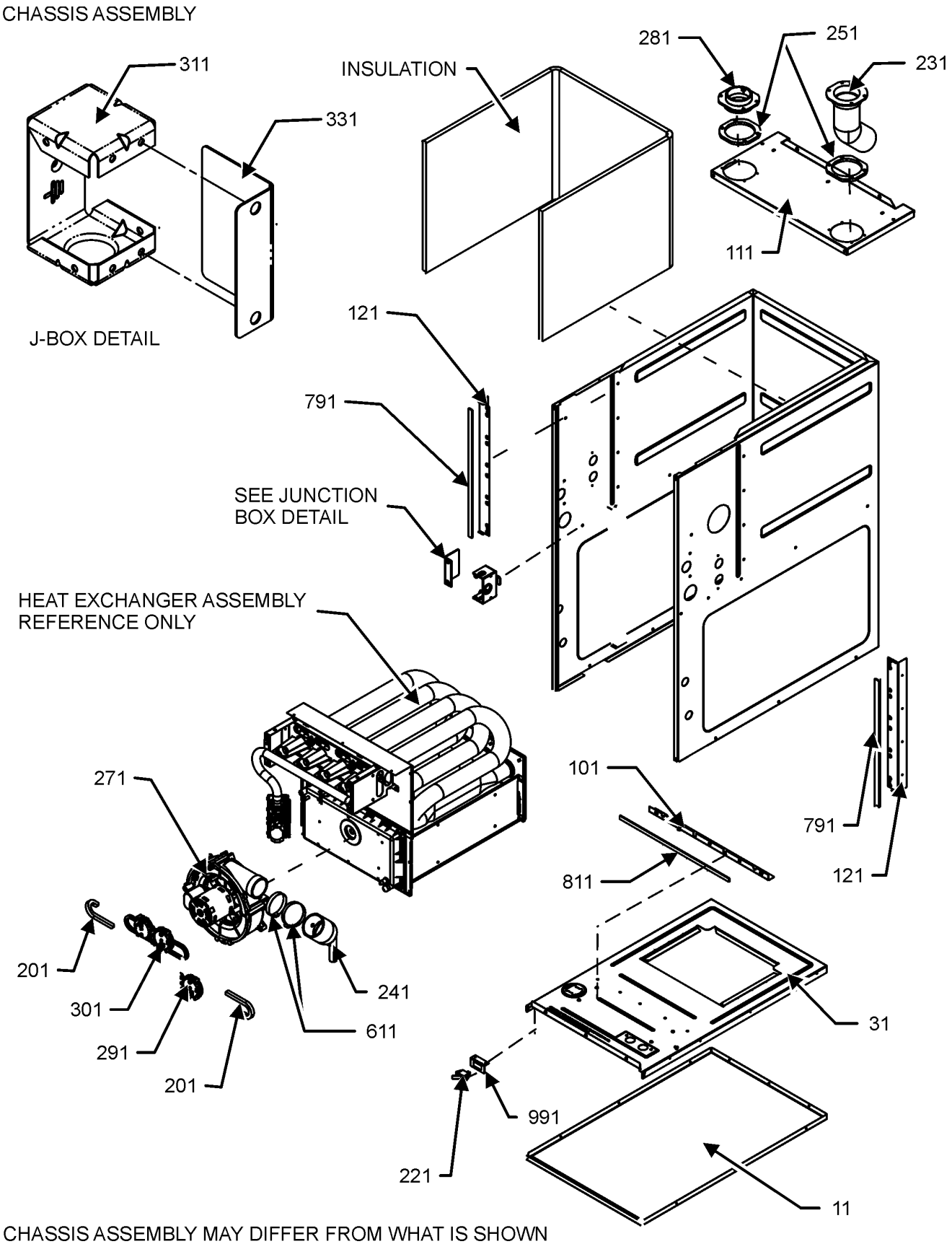
Expanded Model Nomenclature

M1 - AR9T960303ANAA
M2 - AR9T960403ANAA
M3 - AR9T960603ANAA
M4 - AR9T960603BNAA
M5 - AR9T960803BNAA
M6 - AR9T960804CNAA
M7 - AR9T961004CNAA
M8 - AR9T961005CNAA
M9 - AR9T961205DNAA

To replace the Shaft end of motor order:

0131F00332M	MOTOR 1/2 HP W/O CONTROLLER
0131F00333M	MOTOR 3/4 HP W/O CONTROLLER
0131F00334M	MOTOR 1 HP W/O CONTROLLER

Chassis Assembly



CHASSIS ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

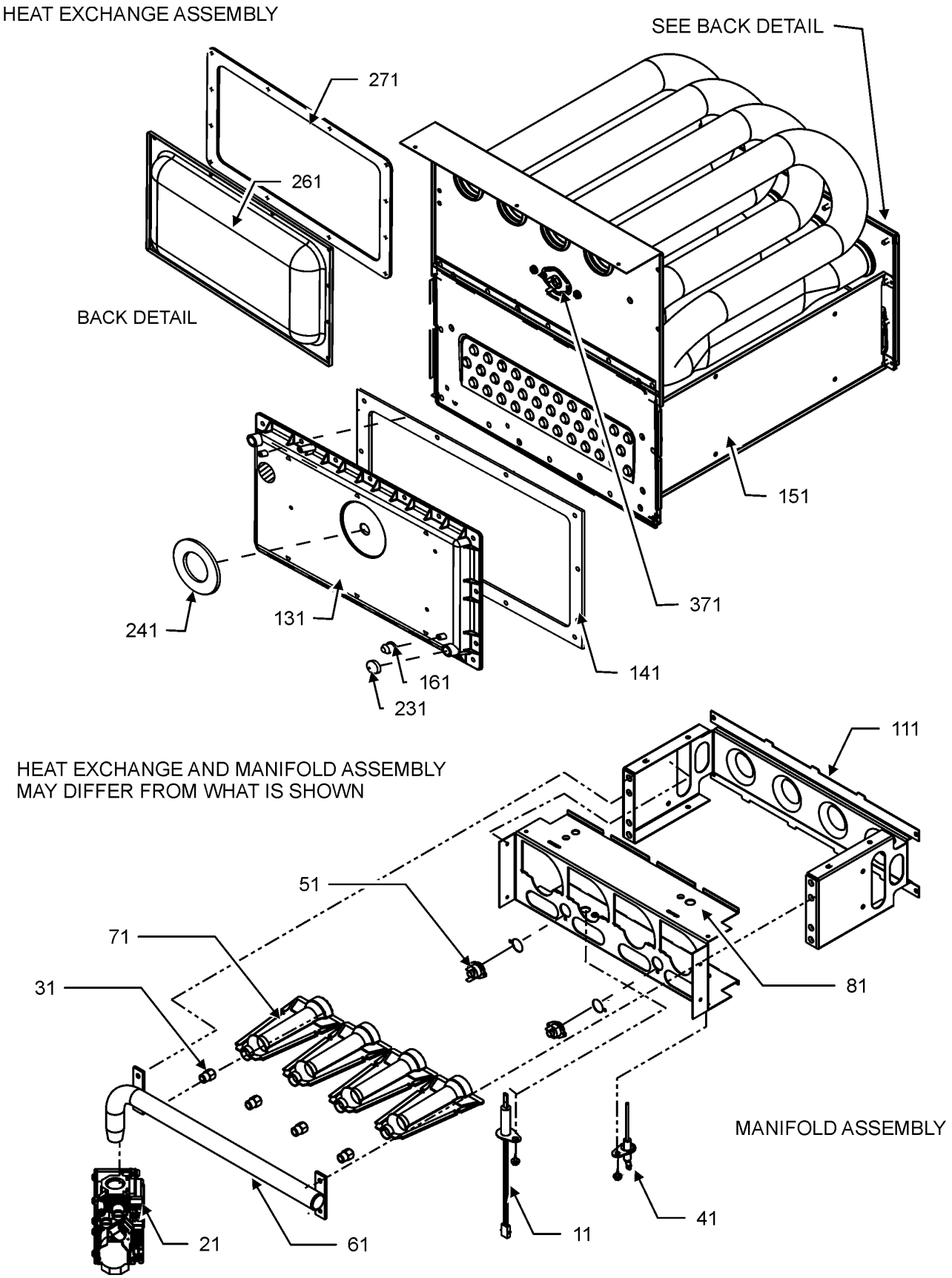
Chassis Assembly

Ref. No:	Part No:	Description:
Image 1:		
11	0121F00530DG	BASEPAN, 17.5 PNT (M4, M5)
11	0121F00531DG	BASEPAN, 21 PNT (M6, M7, M8)
11	0121F00532DG	BASEPAN, 24.5 PNT (M9)
11	0121F00664DG	BASEPAN,14 PNT (M1, M2, M3)
31	0121F00766	DECK- BLOWER 17.5" (M4, M5)
31	0121F00767	DECK- BLOWER 21" (M6, M7, M8)
31	0121F00768	DECK- BLOWER 24.5" (M9)
31	0121F00663	DECK, BLOWER 14" (M1, M2, M3)
101	0121F00314	ANGLE, DECK (M4, M5)
101	0121F00315	ANGLE, DECK (M6, M7, M8)
101	0121F00316	ANGLE, DECK (M9)
101	0121F00661	ANGLE, DECK (M1, M2, M3)
111	0121F00279DG	PAINTED TOP, FURNACE 17.5 (M4, M5)
111	0121F00280DG	PAINTED TOP, FURNACE 21 (M6, M7, M8)
111	0121F00281DG	PAINTED TOP, FURNACE 24.5 (M9)
111	0121F00662DG	PNT, FURNACE TOP 14" (M1, M2, M3)
121	0121F00313	SIDE ANGLE (QTY 2)
201	0164M00121	HOSE- PRESSURE SW 16" (M1, M2, M3)
201	0164M00115	HOSE- PRESSURE SW 6" (M4, M5, M6, M7, M8, M9)
201	0164M00116	HOSE- PRESSURE SW 7" (M1, M2, M3)
221	10690402	SWITCH-INTERLOCK
231	0164F00002	FLUE PIPE W/BEND
241	0164F00025	ELBOW-FLUE,UPFLOW
271	0171M00002	MOTOR-ID, BLOWER (M4, M5, M6, M7, M8, M9)
281	0161F00037	COUPLING
291	0130F00429	PRESSURE SWITCH (M4, M5, M6, M7, M8, M9)
291	0130F00646	PRESSURE SWITCH (M3)
291	0130F00647	PRESSURE SWITCH (M1, M2)
301	0130F00643	PRESSURE SWITCH (M1)
301	0130F00644	PRESSURE SWITCH (M2)
301	0130F00645	PRESSURE SWITCH (M3)
301	0130F00434	SWITCH, PRESSURE (M7)
301	0130F00435	SWITCH, PRESSURE (M4)
301	0130F00436	SWITCH, PRESSURE (M5)
301	0130F00443	SWITCH, PRESSURE (M6, M8)
301	0130F00445	SWITCH, PRESSURE (M9)
311	0121F20060	BOX, JUNCTION 90%
331	0121F20061	BOX, JUNCTION 80%
611	0163M00460	CLAMP-HOSE (QTY 2)
701	M0326804	TUBE PLUG
791	0154F00015	GASKET (QTY 2)
811	0154F00014	GASKET (M4, M5)
811	0154F00016	GASKET (M6, M7, M8)
811	0154F00064	GASKET (M1, M2, M3)
811	20194607	GASKET (M9)
991	0121F00389	BRACKET, DOOR SWITCH
NS	0154F00041	FRESH AIR GASKET
NS	0160F00025	INSULATION, HT EXCHANGER (M1, M2, M3)
NS	0160F00015	INSULATION, HT EXCHANGER 17.5" (M4, M5)
NS	0160F00016	INSULATION, HT EXCHANGER 21" (M6, M7, M8)
NS	0160F00017	INSULATION, HT EXCHANGER 24.5" (M9)
NS	0159F20018	WIRE HARNESS (M3, M4, M5, M6, M7, M8, M9)
NS	0159F20021	WIRE HARNESS (M1, M2)

Expanded Model Nomenclature

M1 - AR9T960303ANAA
M2 - AR9T960403ANAA
M3 - AR9T960603ANAA
M4 - AR9T960603BNAA
M5 - AR9T960803BNAA
M6 - AR9T960804CNAA
M7 - AR9T961004CNAA
M8 - AR9T961005CNAA
M9 - AR9T961205DNAA

Heat Exchange and Manifold Assembly



Heat Exchange and Manifold Assembly

Ref. No:	Part No:	Description:
Image 1:		
11	0130F00008	IGNITOR-SINI 17 SEC
21	0151M00027	GAS VALVE
31	0163F00019	ORIFICE (M1)
31	10716005	ORIFICE (M2, M3, M4, M5, M6, M7, M8, M9)
41	0130F00010	FLAME SENSOR
51	0130F00123	LIMIT, RESET MAN (M5)
51	10123538	LIMIT-MAN-LIGHT GREEN (M1, M2)
51	10123527	LIMIT-RESET MAN-BROWN (M9)
51	10123534	LIMIT-RESET MAN-ORANGE (M7, M8)
51	10123539	LIMIT-RESET MAN-ORANGE (M4, M6)
51	10123517	LIMIT-RESET MAN-WHITE (M3)
61	0163F00007	MANIFOLD (M1, M2)
61	0163F00008	MANIFOLD (M4)
61	0163F00009	MANIFOLD (M6)
61	0163F00010	MANIFOLD (M7, M8)
61	0163F00011	MANIFOLD (M9)
61	0163F00014	MANIFOLD (M5)
61	0163F00037	MANIFOLD, 3B (M3)
71	0163F00017	BECKETT BURNER (QTY 2)
81	0121F00456	BRACKET-BURNER 2 (M1, M2)
81	0121F00455	BRACKET-BURNER 3 (M3, M4)
81	0121F00454	BRACKET-BURNER 4 (M5, M6)
81	0121F00453	BRACKET-BURNER 5 (M7, M8)
81	0121F00451	BRACKET-BURNER 6 (M9)
111	0121F00469	ORIFICE BRACKET-BURNER 2 (M1, M2)
111	0121F00468	ORIFICE BRACKET-BURNER 3 (M3, M4)
111	0121F00467	ORIFICE BRACKET-BURNER 4 (M5, M6)
111	0121F00466	ORIFICE BRACKET-BURNER 5 (M7, M8)
111	0121F00465	ORIFICE BRACKET-BURNER 6 (M9)
131	0161F00072	COVER FRONT (M8)
131	0161F00024	COVER, FRONT (M5)
131	0161F00030	COVER, FRONT (M6)
131	0161F00054	COVER, FRONT (M4)
131	0161F00063	COVER, FRONT (M9)
131	0161F00081	COVER, FRONT (M1)
131	0161F00082	COVER, FRONT (M2)
131	0161F00083	COVER, FRONT (M3)
131	0161F00065	COVER,FRONT (M7)
141	0154F00026	GASKET FRONT COVER (M4, M5)
141	0154F00030	GASKET FRONT COVER (M6, M7, M8)
141	0154F00034	GASKET FRONT COVER (M9)
141	0154F00059	GASKET FRONT COVER
141	0154F00059	GASKET FRONT COVER
141	0154F00059	GASKET FRONT COVER
141	0154F00062	GASKET FRONT COVER (M1, M2, M3)
151	0257F20087	HEAT EXCHANGER ASSY (M4)
151	0257F20089	HEAT EXCHANGER ASSY (M6)
151	0257F20092	HEAT EXCHANGER ASSY (M9)
151	0257F20098	HEAT EXCHANGER ASSY (M1)
151	0257F20099	HEAT EXCHANGER ASSY (M2)
151	0257F20100	HEAT EXCHANGER ASSY (M3)
151	0257F20101	HEAT EXCHANGER ASSY (M5)
151	0257F20102	HEAT EXCHANGER ASSY (M7)
151	0257F20103	HEAT EXCHANGER ASSY (M8)
161	M0326804	TUBE PLUG
231	A1781105	CAP-VINYL .500
241	0154F00043	GASKET ID BLOWER

Ref. No:	Part No:	Description:
Image 1:		
261	0121F00317	COVER, REAR (M4, M5)
261	0121F00318	COVER, REAR (M6, M7, M8)
261	0121F00319	COVER, REAR (M9)
261	0121F00670	COVER, REAR (M1, M2, M3)
271	0154F00058	GASKET REAR CVR (M1, M2, M3)
271	0154F00037	GASKET, REAR CVR (M4, M5)
271	0154F00038	GASKET, REAR CVR (M6, M7, M8)
271	0154F00039	GASKET, REAR CVR (M9)
371	0130F00036	LIMIT, PRIMARY (M9)
371	20162903	LIMIT, PRIMARY (M1, M2, M3, M8)
371	20162904	LIMIT, PRIMARY (M5, M6)
371	20162906	LIMIT, PRIMARY (M4, M7)
NS	0154F00041	GASKET FRESH AIR
NS	0121F00582	INSULATION, RETAINER (M1, M2, M3)
NS	0121F00583	INSULATION, RETAINER (M4, M5)
NS	0121F00584	INSULATION, RETAINER (M6, M7, M8)
NS	0121F00585	INSULATION, RETAINER (M9)
NS	0121F00439	PRIMARY LIMIT-HEAT SHIELD
NS	0121F00540	SHEILD, BURNER (M4)
NS	0121F00541	SHEILD, BURNER (M5, M6)
NS	0121F00542	SHEILD, BURNER (M7, M8)
NS	0121F00543	SHEILD, BURNER (M9)
NS	0121F00758	SHEILD, BURNER (M3)
NS	0121F00755	SHIELD, BURNER (M1, M2)
NS	0121F00355	SHIELD, COIL (QTY 2)

Expanded Model Nomenclature

M1 - AR9T960303ANAA
M2 - AR9T960403ANAA
M3 - AR9T960603ANAA
M4 - AR9T960603BNAA
M5 - AR9T960803BNAA
M6 - AR9T960804CNAA
M7 - AR9T961004CNAA
M8 - AR9T961005CNAA
M9 - AR9T961205DNAA