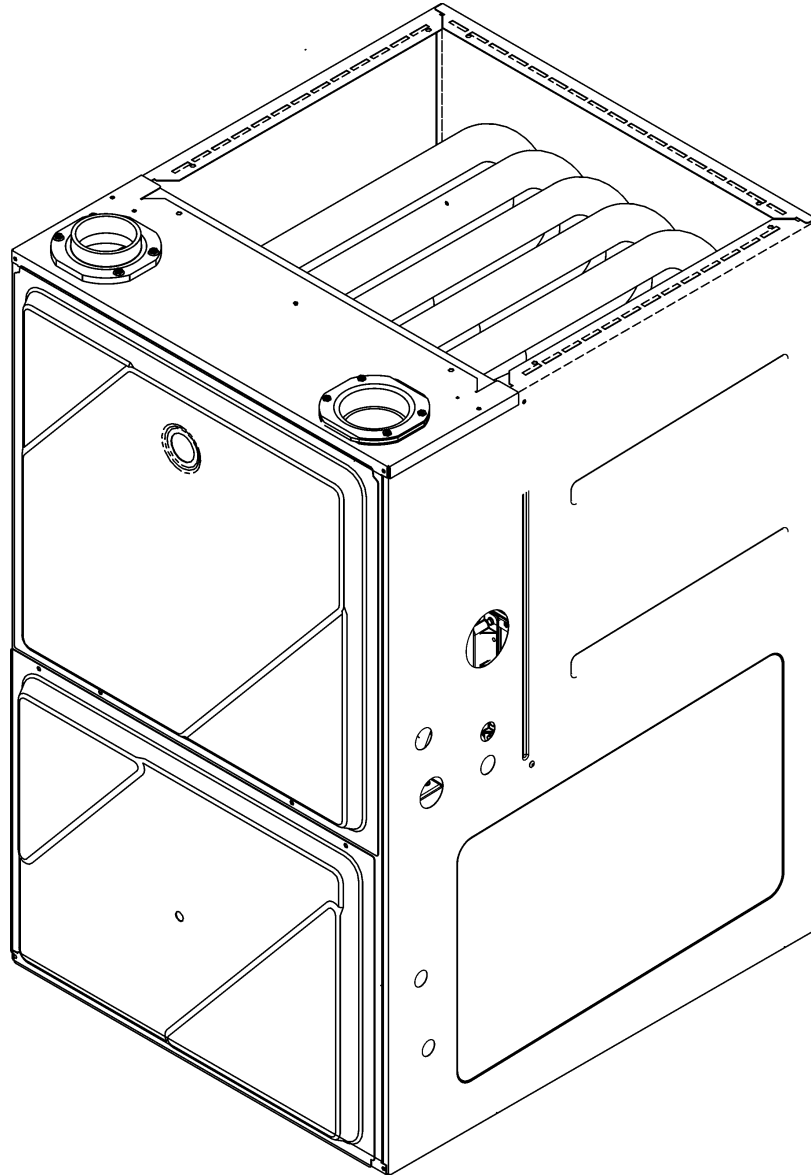


AMVC96 96% ECM Up Flow Furnace

AMVC960403BNAA
AMVC960603BNAA
AMVC960803BNAA
AMVC960804CNAA
AMVC961005CNAA
AMVC961205DNAA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A2002.

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Important Information

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Views shown are for parts illustrations only, not servicing procedures

Short 90% Gas Furnace Project

Rev. A: Added Drain Bag Assy, Bag Assy, and Decorative Screw.

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:

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

Functional Parts

Part No: **Description:**

0163F00017	BECKETT BURNER (QTY 2)
0271F00181	BLOWER HSG ASSY (M1)
0271F00161	BLOWER SHELL & WHEEL ASSY (M4, M5)
0271F00163	BLOWER SHELL & WHEEL ASSY (M6)
0271F00159	BLOWER SHELL & WHEEL ASSY (M2, M3)
0130F00302	DATA, FURNACE PCB (M6)
0130F00297	DATA, FURNACE PCB (M1)
0130F00298	DATA, FURNACE PCB (M2)
0130F00299	DATA, FURNACE PCB (M3)
0130F00301	DATA, FURNACE PCB (M5)
0130F00300	DATA, FURNACE PCB (M4)
0130F00010	FLAME SENSOR
0151M00027	GAS VALVE
0257F00289	HEAT EXCHANGER ASSY. (M3)
0257F00291	HEAT EXCHANGER ASSY. (M5)
0257F00287	HEAT EXCHANGER ASSY. (M1)
0257F00292	HEAT EXCHANGER ASSY. (M6)
0257F00290	HEAT EXCHANGER ASSY. (M4)
0257F00288	HEAT EXCHANGER ASSY. (M2)
0130F00008	IGNITOR-SINI 17 SEC
0130M00141	INDUCTOR, 5.9 AMPS (GMPE100-4) (M4, M5, M6)
0130F00105	LIMIT SWITCH (M2, M3)
0130F00123	LIMIT, RESET MAN (M3, M4)
10123539	LIMIT-RESET MAN-ORANGE (M1, M2)
10123527	MANUAL RESET LIMIT (M6)
10123534	MANUAL RESET LIMIT 220°F (M5)
0131M00272	MOTOR, 1 HP, SERIAL ECM (M5, M6)
0131M00270	MOTOR, 1/2 HP, SERIAL ECM (M1, M2, M3)
0131M00271	MOTOR, 3/4 HP, SERIAL ECM (M4)
PCBKF104	PCB, CONTROL, FURNACE
0130F00038	PRIMARY LIMIT - LT BLUE 120° (QTY 2)
0130F00036	PRIMARY LIMIT - PINK (M6)
20162906	PRIMARY LIMIT - WHITE (M5)
20162904	PRIMARY LIMIT-TEMPERATURE CONTROL (M1, M4)
0130F00444	SWITCH, PRESSURE (M6)
0130F00472	SWITCH, PRESSURE (M5)
0130F00474	SWITCH, PRESSURE (M3, M4)
0130F00473	SWITCH, PRESSURE (M2)
0130F00471	SWITCH, PRESSURE (M1)
0130F00481	SWITCH, PRESSURE (M2, M3, M4, M5, M6)
0130F00486	SWITCH, PRESSURE (M1)
0130M00140	TRANSFORMER,(120V TO 24V,40VA,
0150M00043	WHEEL, BLOWER (10 X 8) (M1)

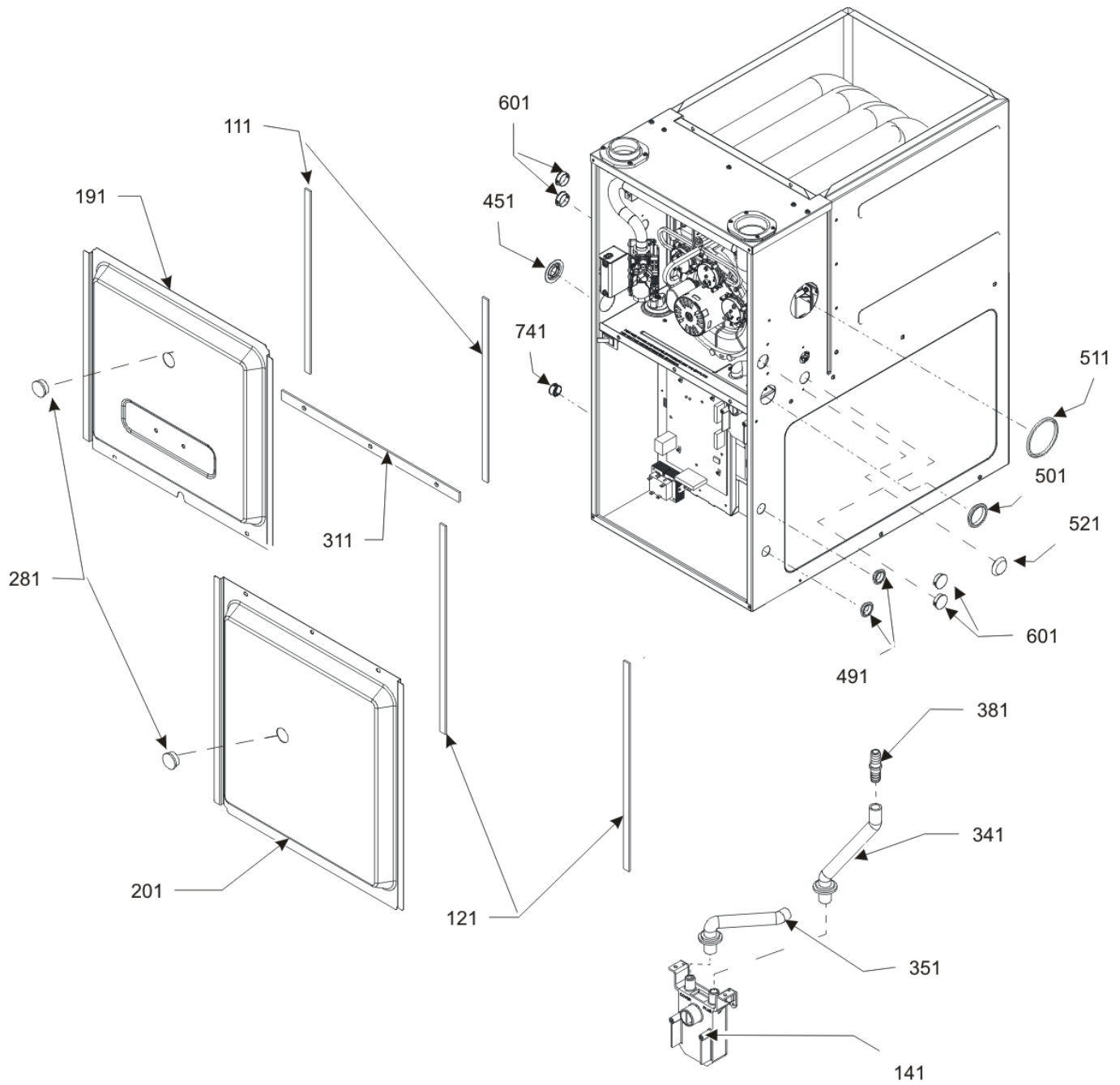
Expanded Model Nomenclature

M1 - AMVC960403BNAA
M2 - AMVC960603BNAA
M3 - AMVC960803BNAA
M4 - AMVC960804CNAA
M5 - AMVC961005CNAA
M6 - AMVC961205DNAA

SPECIAL PARTS

0161M00003P	AMANA NAMEPLATE
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Cabinet



Cabinet

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
111	0154F00024		GASKET (QTY 2)
121	0154F00025		GASKET (QTY 2)
141	0161F00046		DRAIN TRAP
191	0121F00338LG		DOOR ACCESS 21" PNT (M4, M5)
191	0121F00337LG		DOOR, ACCESS 17.5" PNT (M1, M2, M3)
191	0121F00339LG		DOOR, ACCESS 24.5" PNT (M6)
201	0121F00340LG		DOOR, BLOWER 17.5" PNT (M1, M2, M3)
201	0121F00341LG		DOOR, BLOWER 21" PNT (M4, M5)
201	0121F00342LG		DOOR, BLOWER 24.5" PNT (M6)
281	B1392139		VIEW PORT BUSHING-BLOWER DOOR (QTY 2)
311	0154F00020		GASKET, DECK (M1, M2, M3)
311	0154F00021		GASKET, DECK (M4, M5)
311	0154F00022		GASKET, DECK (M6)
341	0164F00017		HOSE-ELBOW/TRAP
351	0164F00006		HOSE, COVER/TRAP
381	0161F00047		COUPLING, HOSE BARBED
451	M0501301		PIPE GROMMET
491	M0570808		BUTTON PLUG (QTY 3)
501	M0570806		BUTTON PLUG
511	M0570807		BUTTON PLUG
521	0161M00027		PLUG, HOLE
601	B1392021		PLASTIC PLUG, 1" (2713-BLK) (M1)
741	B1392104		UNIVERSAL BUSHING UB 875
NS	0161M00003P		AMANA NAMEPLATE
NS	0270F03138		BAG ASSY UF
NS	M0310345		BUTTON PLUG (QTY 2)
NS	0270F03140		DRAIN PART BAG ASSY UF
NS	0163M00049		HOSE CLAMP (QTY 3)
NS	M0209730		SCREW-DECORATIVE (QTY 3)

Expanded Model Nomenclature

M1 - AMVC960403BNAA
M2 - AMVC960603BNAA
M3 - AMVC960803BNAA
M4 - AMVC960804CNAA
M5 - AMVC961005CNAA
M6 - AMVC961205DNAA

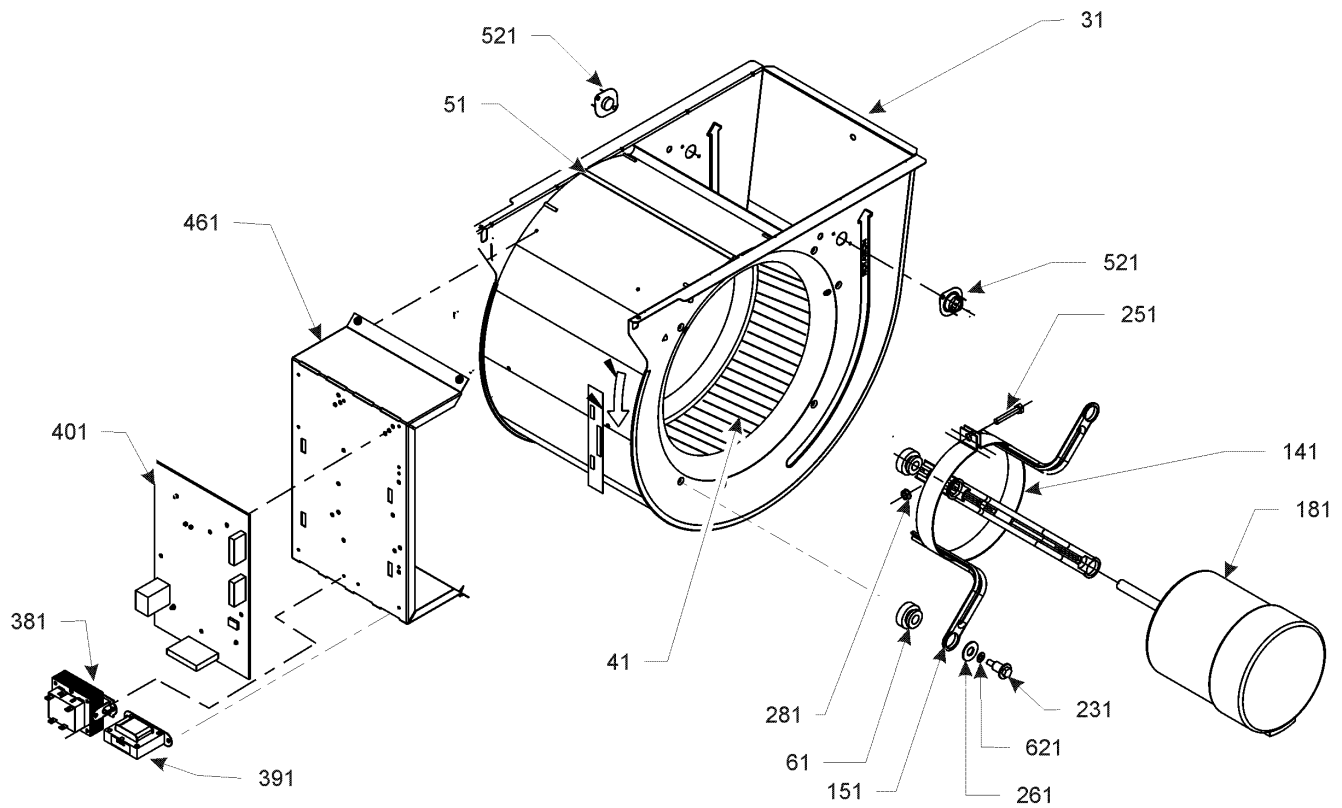
Blower Assembly

*If end bells are needed please order the following:

0131M00182 - 1/2 HP

0131M00183 - 3/4 HP

0131M00184 - 1 HP



Blower Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
31	0271F00181		BLOWER HSG ASSY (M1)
31	0271F00159		BLOWER SHELL & WHEEL ASSY (M2, M3)
31	0271F00161		BLOWER SHELL & WHEEL ASSY (M4, M5)
31	0271F00163		BLOWER SHELL & WHEEL ASSY (M6)
41	0150M00043		WHEEL, BLOWER (10 X 8) (M1)
51	764740		BLWR BLK-OFF,10X8 (M1)
61	A4002702		BLOWER MOTOR GROMMET (M4, M5, M6)
141	0121M00038		MOTOR MOUNT BAND (M1, M2, M3)
141	10441601		MOTOR MOUNT BAND (M4, M5, M6)
151	10441501		MOTOR MOUNT ARM (M4, M5, M6)
151	B1376857		MOTOR MOUNT ARM (M1, M2, M3)
181	0131M00272		MOTOR, 1 HP, SERIAL ECM (M5, M6)
181	0131M00270		MOTOR, 1/2 HP, SERIAL ECM (M1, M2, M3)
181	0131M00271		MOTOR, 3/4 HP, SERIAL ECM (M4)
231	M0221461		TC SCREW (M4, M5, M6)
231	M0250565		TC SCREW 1.25" (M1, M2, M3)
251	M0267144		MACHINE SCREW (M4, M5, M6)
251	B1393323		MACHINE SCREW HWH 1/4-20 X 1-1/2 BZ (M1, M2, M3)
261	B1392918		WASHER, FLAT 1/4 ID X 1 OD (M1, M2, M3)
281	M0282015		KEPS NUT (M4, M5, M6)
281	B1393800		LOCKNUT, NYLON, INSERT 1/4, 20 (M1, M2, M3)
381	0130M00140		TRANSFORMER,(120V TO 24V,40VA,
391	0130M00141		INDUCTOR, 5.9 AMPS (GMPE100-4) (M4, M5, M6)
401	PCBKF104		PCB, CONTROL, FURNACE
461	0121F00464		MOUNTING PLATE-CONTROLS
521	0130F00038		PRIMARY LIMIT - LT BLUE 120° (QTY 2)
621	B1392820		WASHER, SPLIT LOCK 1/4 BZ (M4, M5, M6)
NS	0259F00040		CONTROL HARNESS
NS	0130F00297		DATA, FURNACE PCB (M1)
NS	0130F00298		DATA, FURNACE PCB (M2)
NS	0130F00299		DATA, FURNACE PCB (M3)
NS	0130F00300		DATA, FURNACE PCB (M4)
NS	0130F00301		DATA, FURNACE PCB (M5)
NS	0130F00302		DATA, FURNACE PCB (M6)
NS	B1392021		PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
NS	0259F00041		POWER HARNESS HIGH VOLTAGE
NS	0259F00024		WIRE HARNESS-BLOWER

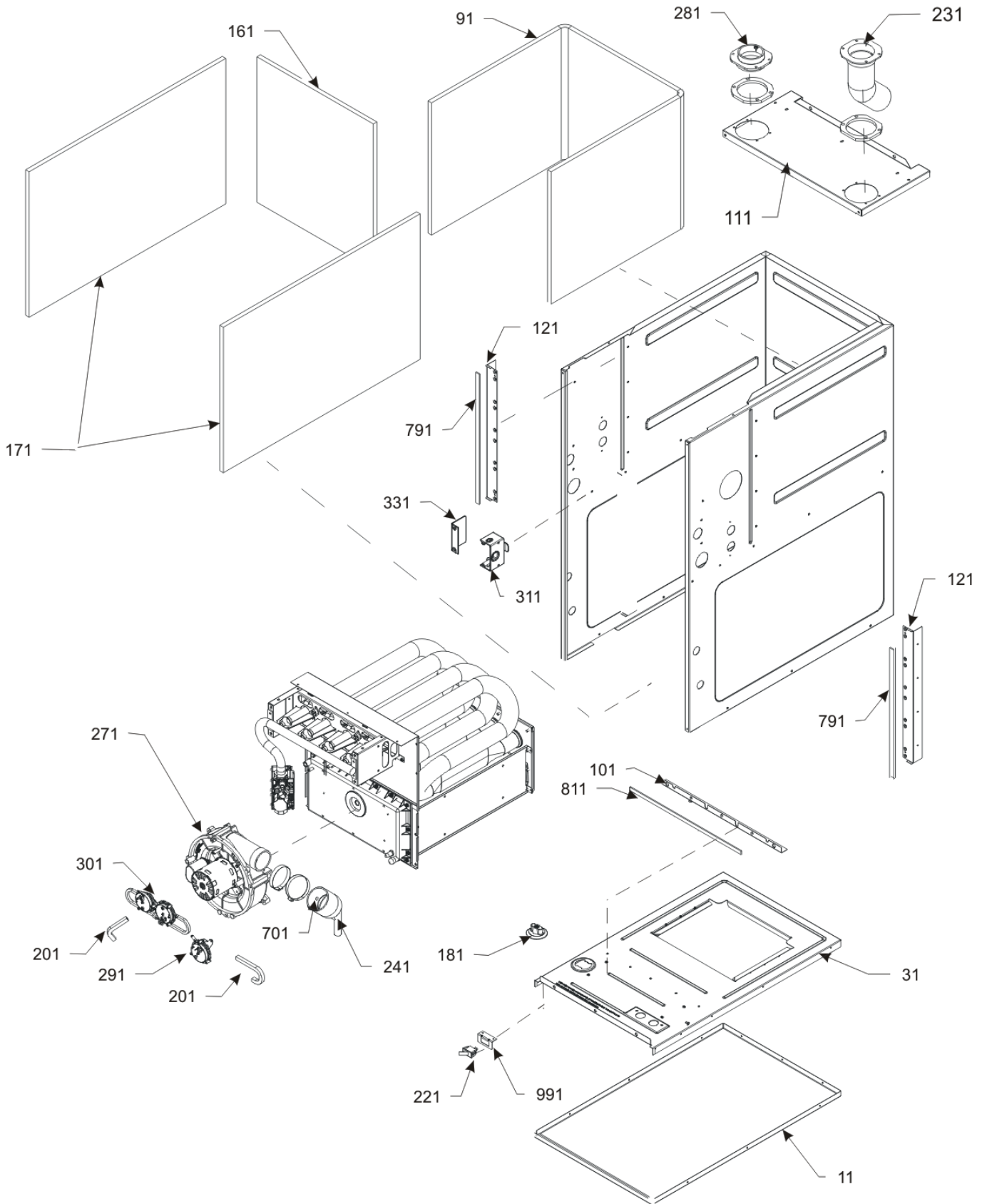
Expanded Model Nomenclature

M1 - AMVC960403BNAA
M2 - AMVC960603BNAA
M3 - AMVC960803BNAA
M4 - AMVC960804CNAA
M5 - AMVC961005CNAA
M6 - AMVC961205DNAA

*If end bells are needed please order the following:

0131M00182 - 1/2 HP
 0131M00183 - 3/4 HP
 0131M00184 - 1 HP

Chassis



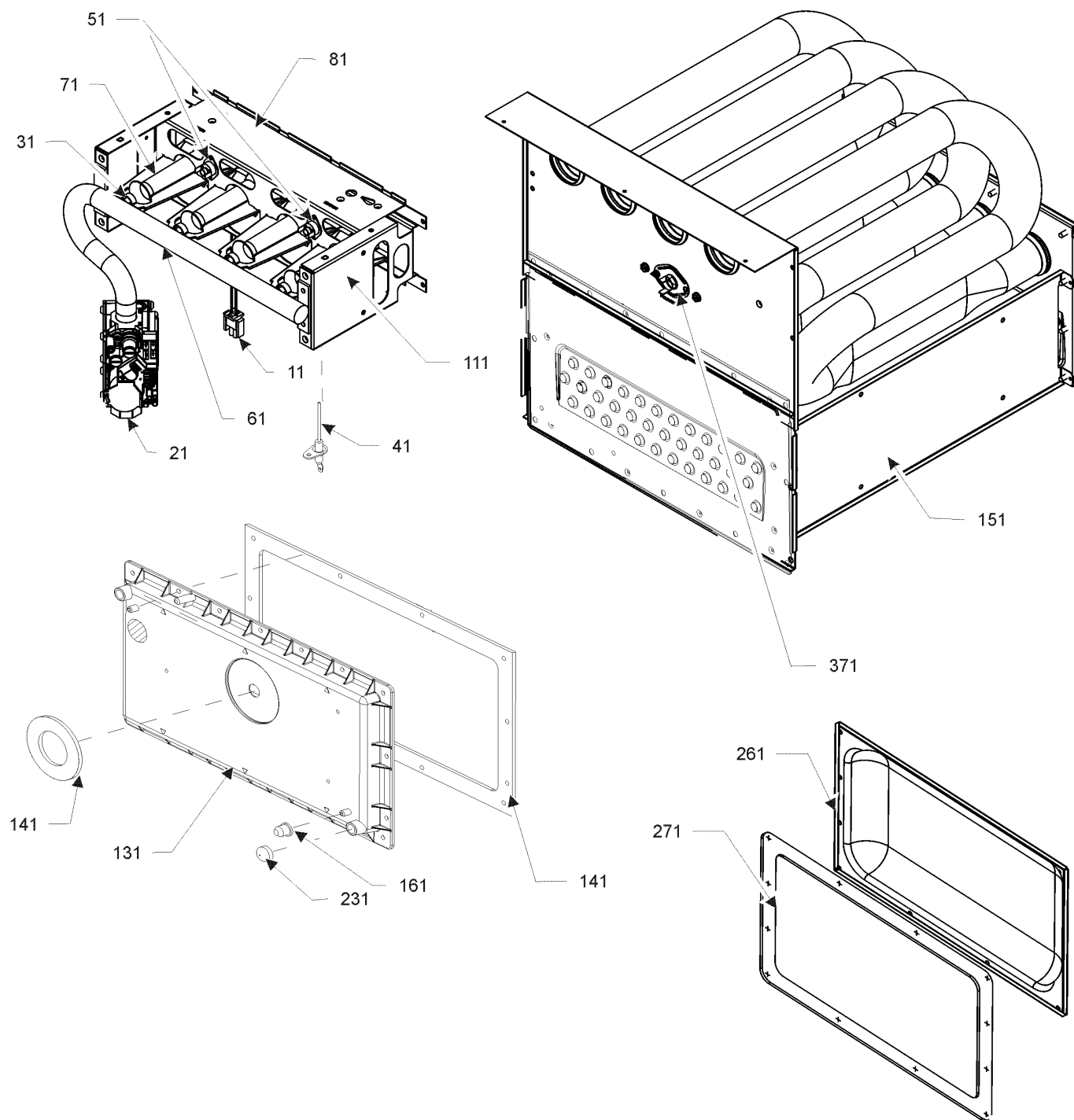
Chassis

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121F00386DG		BASEPAN, UPFLOW PNT (M1, M2, M3)
11	0121F00387DG		BASEPAN, UPFLOW PNT (M4, M5)
11	0121F00388DG		BASEPAN, UPFLOW PNT (M6)
31	0121F00285		DECK, BLOWER 17.5 (M1, M2, M3)
31	0121F00286		DECK, BLOWER 21 (M4, M5)
31	0121F00287		DECK, BLOWER 24.5 (M6)
91	0160F00015		INSULATION, HT EXCHANGER 17.5" (M1, M2, M3)
91	0160F00016		INSULATION, HT EXCHANGER 21" (M4, M5)
91	0160F00017		INSULATION, HT EXCHANGER 24.5" (M6)
101	0121F00314		ANGLE, DECK (M1, M2, M3)
101	0121F00315		ANGLE, DECK (M4, M5)
101	0121F00316		ANGLE, DECK (M6)
111	0121F00279DG		PAINTED TOP, FURNACE 17.5 (M1, M2, M3)
111	0121F00280DG		PAINTED TOP, FURNACE 21 (M4, M5)
111	0121F00281DG		PAINTED TOP, FURNACE 24.5 (M6)
121	0121F00313		ANGLE, SIDE (QTY 2)
161	0160F00012		INSULATION-BACK 17.5" (M1, M2, M3)
161	0160F00013		INSULATION-BACK 21" (M4, M5)
161	0160F00014		INSULATION-BACK 24.5" (M6)
171	0160F00018		INSULATION, SIDE (QTY 2)
201	0164M00019		HOSE-PRESSURE SW 6" (QTY 2)
221	10690402		INTERLOCK SWITCH
231	0164F00002		FLUE PIPE W/BEND
241	0164F00001		ELBOW-FLUE, UPFLOW
271	0171M00002		MOTOR-ID, BLOWER
281	0161F00037		COUPLING
291	0130F00481		SWITCH, PRESSURE (M2, M3, M4, M5, M6)
291	0130F00486		SWITCH, PRESSURE (M1)
301	0130F00444		SWITCH, PRESSURE (M6)
301	0130F00471		SWITCH, PRESSURE (M1)
301	0130F00472		SWITCH, PRESSURE (M5)
301	0130F00473		SWITCH, PRESSURE (M2)
301	0130F00474		SWITCH, PRESSURE (M3, M4)
311	0161F00042		JUNCTION BOX PLA
331	0161F00043		JUNCTION BOX LID
701	M0326804		TUBE PLUG
791	0154F00015		GASKET (QTY 2)
811	0154F00014		GASKET (M1, M2, M3)
811	0154F00016		GASKET (M4, M5)
811	20194607		GASKET (M6)
991	0121F00389		BRACKET, DOOR SWITCH

Expanded Model Nomenclature

M1 - AMVC960403BNAA
M2 - AMVC960603BNAA
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M4 - AMVC960804CNAA
M5 - AMVC961005CNAA
M6 - AMVC961205DNAA

Heat Exchanger / Manifold / Gas Valve



Heat Exchanger / Manifold / Gas Valve

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 1:	
11	0130F00008	IGNITOR-SINI 17 SEC	
21	0151M00027	GAS VALVE	
31	0163F00004	ORIFICE (QTY 2)	
41	0130F00010	FLAME SENSOR	
51	0130F00123	LIMIT, RESET MAN (M3, M4)	
51	10123539	LIMIT-RESET MAN-ORANGE (M1, M2)	
51	10123527	MANUAL RESET LIMIT (M6)	
51	10123534	MANUAL RESET LIMIT 220°F (M5)	
61	0163F00007	MANIFOLD (M1)	
61	0163F00008	MANIFOLD (M2)	
61	0163F00009	MANIFOLD (M4)	
61	0163F00010	MANIFOLD (M5)	
61	0163F00011	MANIFOLD (M6)	
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)	
81	0121F00453	BRACKET-BURNER 5 (M5)	
81	0121F00451	BRACKET-BURNER 6 (M6)	
111	0121F00469	ORIFICE BRACKET-BURNER 2 (M1)	
111	0121F00468	ORIFICE BRACKET-BURNER 3 (M2)	
111	0121F00467	ORIFICE BRACKET-BURNER 4 (M3, M4)	
111	0121F00466	ORIFICE BRACKET-BURNER 5 (M5)	
111	0121F00465	ORIFICE BRACKET-BURNER 6 (M6)	
131	0161F00022	COVER, FRONT (M3)	
131	0161F00026	COVER, FRONT (M5)	
131	0161F00030	COVER, FRONT (M4)	
131	0161F00053	COVER, FRONT (M1)	
131	0161F00055	COVER, FRONT (M2)	
131	0161F00063	COVER, FRONT (M6)	
141	0154F00011	GASKET, FRONT (M1, M2, M3)	
141	0154F00012	GASKET, FRONT (M4, M5)	
141	0154F00013	GASKET, FRONT (M6)	
151	0257F00287	HEAT EXCHANGER ASSY. (M1)	
151	0257F00288	HEAT EXCHANGER ASSY. (M2)	
151	0257F00289	HEAT EXCHANGER ASSY. (M3)	
151	0257F00290	HEAT EXCHANGER ASSY. (M4)	
151	0257F00291	HEAT EXCHANGER ASSY. (M5)	
151	0257F00292	HEAT EXCHANGER ASSY. (M6)	
161	M0326804	TUBE PLUG	
231	A1781105	CAP-VINYL .500	
261	0121F00317	COVER, REAR (M1, M2, M3)	
261	0121F00318	COVER, REAR (M4, M5)	
261	0121F00319	COVER, REAR (M6)	
271	0154F00008	GASKET, REAR CVR (M1, M2, M3)	
271	0154F00009	GASKET, REAR CVR (M4, M5)	
271	0154F00010	GASKET, REAR CVR (M6)	
371	0130F00105	LIMIT SWITCH (M2, M3)	
371	0130F00036	PRIMARY LIMIT - PINK (M6)	
371	20162906	PRIMARY LIMIT - WHITE (M5)	

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- M1 - AMVC960403BNAA
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