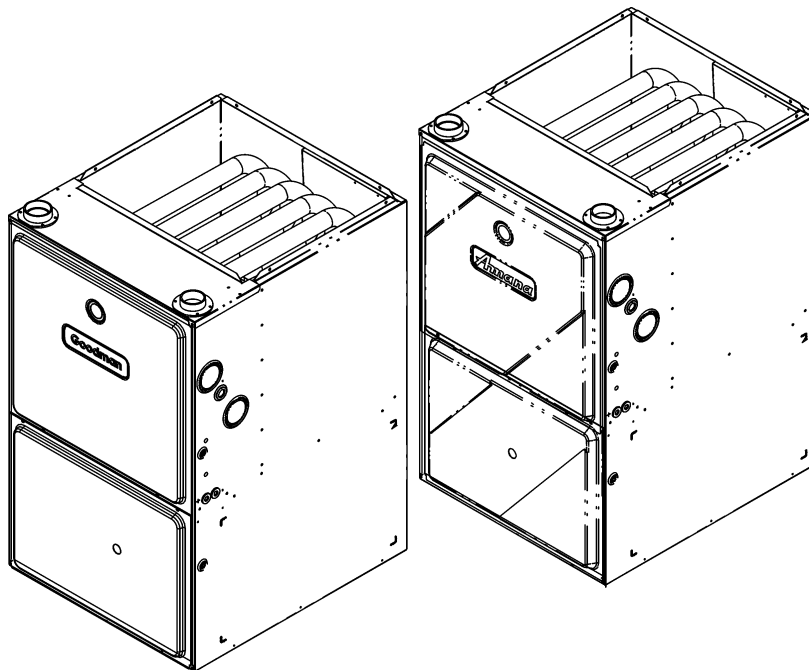




REPAIR PARTS

*MVC95 Variable Speed Furnace

AMVC950453BXAA
AMVC950453BXAB
AMVC950704CXAA
AMVC950704CXAB
AMVC950905CXAA
AMVC950905DXAA
AMVC950905DXAB
AMVC951155DXAA
AMVC951155DXAB
GMVC950453BXAA
GMVC950453BXAB
GMVC950704CXAA
GMVC950704CXAB
GMVC950905CXAA
GMVC950905DXAA
GMVC950905DXAB
GMVC951155DXAA
GMVC951155DXAB



This manual is to be used by qualified technicians only.

This manual replaces RP-509B

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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 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:

20162904	*PRIMARY LIMIT-TEMPERATURE CONTROL (M8, M9, M17, M18) *Refer to service bulletin SF-054r1
10735102S	BECKETT BURNER (QTY AR)
D6723311S	BLOWER WHEEL (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)
B1368047	BLOWER WHEEL 10 X 10 (M3, M4, M12, M13)
B1368016S	BLOWER WHEEL 10 X 8 (M1, M2, M10, M11)
0130F00010	FLAME SENSOR
0151M00014	GAS VALVE - HONEYWELL 2-STAGE (M2, M4, M5, M7, M9, M11, M13, M14, M16, M18)
0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE (M1, M3, M6, M8, M10, M12, M15, M17)
20245903S	ID BLOWER
B1141666	INDUCTOR-5.9 AMP (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)
B1141666	INDUCTOR-5.9 AMP (M3, M4, M12, M13)
B1370818	INTERLOCK SWITCH
0130F00105	LIMIT SWITCH (M5, M14)
10123518	MANUAL RESET LIMIT (M1, M2, M10, M11)
10123536	MANUAL RESET LIMIT 180°F (M5, M6, M7, M14, M15, M16)
10123537	MANUAL RESET LIMIT-GRAY (M3, M4, M12, M13)
10123537	MANUAL RESET LIMIT-GRAY (M6, M7, M15, M16)
10123535	MANUAL RESET LIMIT-RED (M1, M2, M10, M11)
10123533	MANUAL RESET LIMIT-YELLOW (M3, M4, M5, M8, M9, M12, M13, M14, M17, M18)
10123533	MANUAL RESET LIMIT-YELLOW (M8, M9, M17, M18)
0131M00111S	MOTOR 1/2 HP, SERIAL ECM (M1, M2, M10, M11)
0131M00113S	MOTOR, 1 HP SERIAL ECM (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)
0131M00112S	MOTOR, 3/4 HP SERIAL ECM (M3, M4, M12, M13)
10716003	ORIFICE (QTY AR)
PCBKF101S	PCB, CONTROL, FURNACE
0130F00111	PRESSURE SWITCH (M5, M14)
11177113	PRESSURE SWITCH-GRAY (M1, M2, M3, M4, M10, M11, M12, M13)
11177114	PRESSURE SWITCH-OLIVE (M6, M7, M8, M9, M15, M16, M17, M18)
20197308	PRESSURE SWITCH-YELLOW
20162907	PRIMARY LIMIT (M3, M4, M12, M13)
20162905	PRIMARY LIMIT-YELLOW (M1, M2, M6, M7, M10, M11, M15, M16)
0130F00008S	SINI IGNITOR
B1141605	TRANSFORMER 120V TO 24V, 40 VA

Expanded Model Nomenclature

M1 - AMVC950453BXAA
M2 - AMVC950453BXAB
M3 - AMVC950704CXAA
M4 - AMVC950704CXAB
M5 - AMVC950905CXAA
M6 - AMVC950905DXAA
M7 - AMVC950905DXAB
M8 - AMVC951155DXAA
M9 - AMVC951155DXAB
M10 - GMVC950453BXAA
M11 - GMVC950453BXAB
M12 - GMVC950704CXAA
M13 - GMVC950704CXAB
M14 - GMVC950905CXAA
M15 - GMVC950905DXAA
M16 - GMVC950905DXAB
M17 - GMVC951155DXAA
M18 - GMVC951155DXAB

HI-124	HOMEOWNERS INSTRUCTIONS
IO-341C	INSTALL INSTRUCT (M5, M14)
IO-661	INSTALL INSTRUCTIONS
IO-341B	INSTALLATION INSTR (M2, M4, M7, M9, M11, M13, M16, M18)
IO-341A	INSTALLATION INSTRUCTIONS (M1, M3, M6, M8, M10, M12, M15, M17)

Cabinet

Image 1

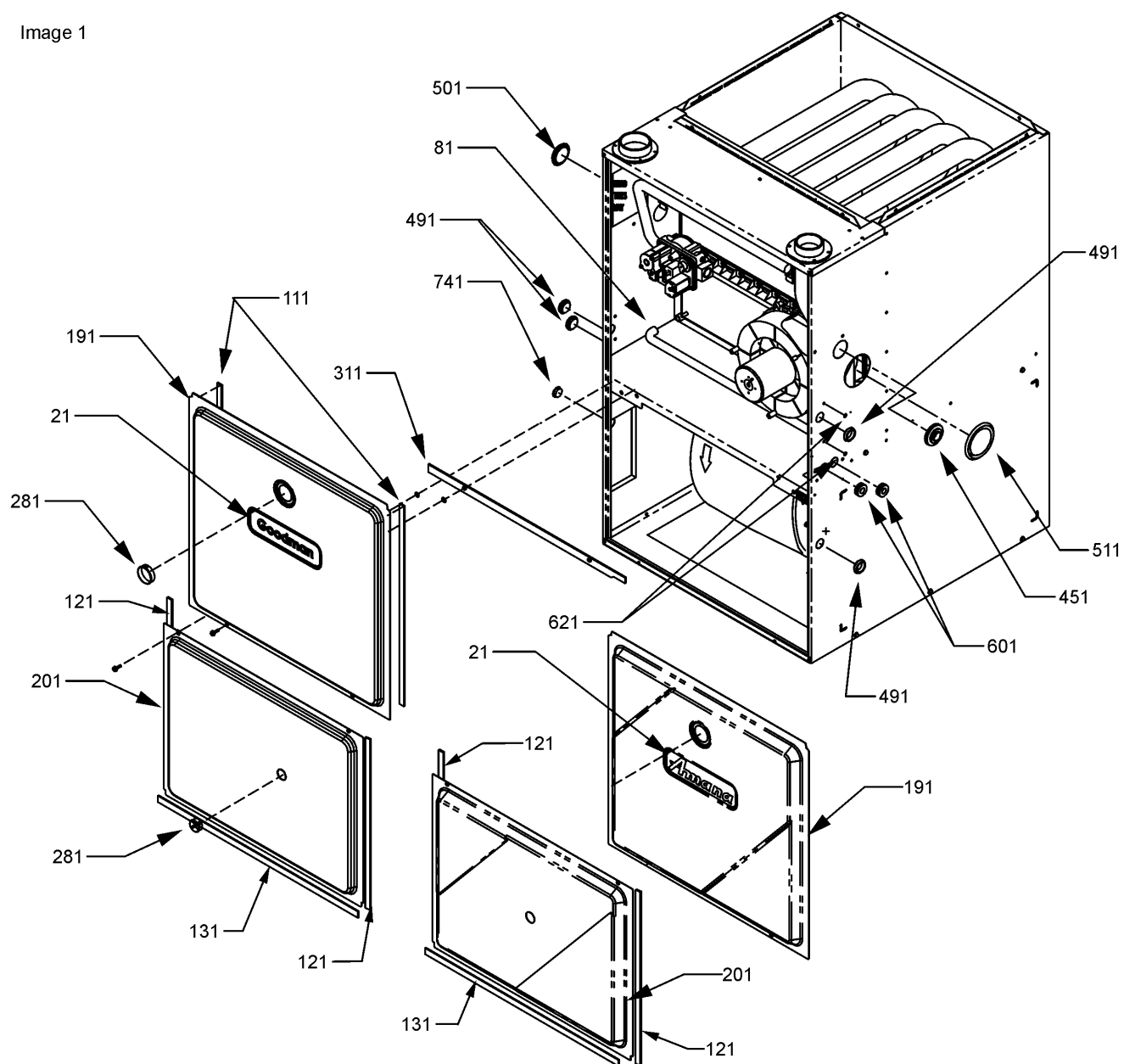
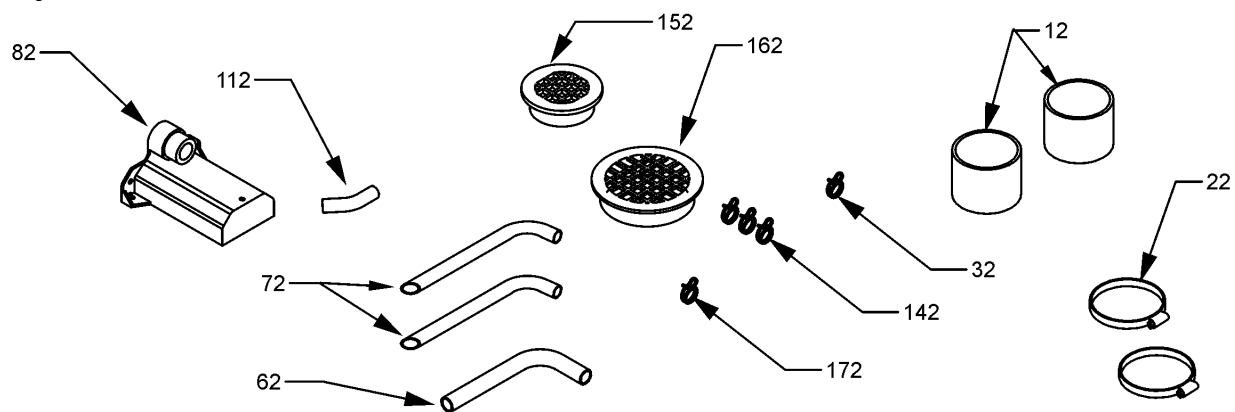


Image 2



Cabinet

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
21	0161M00003P	AMANA NAMEPLATE (M1, M2, M3, M4, M5, M6, M7, M8, M9)	M1 - AMVC950453BXAA M2 - AMVC950453BXAB M3 - AMVC950704CXAA M4 - AMVC950704CXAB M5 - AMVC950905CXAA M6 - AMVC950905DXAA M7 - AMVC950905DXAB M8 - AMVC951155DXAA M9 - AMVC951155DXAB
21	0161F00000P	GOODMAN NAMEPLATE (M10, M11, M12, M13, M14, M15, M16, M17, M18)	M10 - GMVC950453BXAA M11 - GMVC950453BXAB M12 - GMVC950704CXAA M13 - GMVC950704CXAB M14 - GMVC950905CXAA M15 - GMVC950905DXAA M16 - GMVC950905DXAB M17 - GMVC951155DXAA M18 - GMVC951155DXAB
81	20201902	DRAIN HOSE	
111	20179308	GASKET (QTY 2)	
121	20179311	GASKET (QTY 2)	
131	20179311	GASKET (M1, M2, M10, M11)	
131	20179312	GASKET (M3, M4, M5, M12, M13, M14)	
131	20179313	GASKET (M6, M7, M8, M9, M15, M16, M17, M18)	
191	0121F00066LG	ACCESS DOOR (M1, M2)	
191	0121F00067LG	ACCESS DOOR (M3, M4, M5)	
191	0121F00068LG	ACCESS DOOR (M6, M7, M8, M9)	
191	0121F00072DGS	ACCESS DOOR (M10, M11)	
191	0121F00073DGS	ACCESS DOOR (M12, M13, M14)	
191	0121F00074DGS	ACCESS DOOR (M15, M16, M17, M18)	
201	0121F00063LG	BLOWER DOOR (M1, M2)	
201	0121F00064LGS	BLOWER DOOR (M3, M4, M5)	
201	0121F00065LGS	BLOWER DOOR (M6, M7, M8, M9)	
201	0121F00069DGS	BLOWER DOOR (M10, M11)	
201	0121F00070DGS	BLOWER DOOR (M12, M13, M14)	
201	0121F00071DGS	BLOWER DOOR (M15, M16, M17, M18)	
281	B1392139	VIEW PORT BUSHING-BLOWER DOOR (QTY 2)	
311	22320001	DECK GASKET (M1, M2, M10, M11)	
311	22320002	DECK GASKET (M3, M4, M5, M12, M13, M14)	
311	22320003	DECK GASKET (M6, M7, M8, M9, M15, M16, M17, M18)	
451	M0501301	PIPE GROMMET	
491	M0570808	BUTTON PLUG (QTY 4)	
501	M0570806	BUTTON PLUG	
511	M0570807	BUTTON PLUG	
601	A4691701	GROMMET (QTY 2)	
621	M0310345	BUTTON PLUG (QTY 2)	
741	B1392104	UNIVERSAL BUSHING UB 875	
NS	10195517Q	STANDPIPE BAG ASSY	
Image 2:			
12	10254303	RUBBER COUPLING	
22	0163M00049	HOSE CLAMP (QTY 2)	
32	M0119207	HOSE CLAMP	
62	20201901	DRAIN HOSE	
72	20201802	DRAIN TUBE (QTY 2)	
82	20171701	DRAIN TRAP	
112	20214203	DRAIN ANGLE	
142	M0119205	HOSE CLAMP (QTY 3)	
152	B2810816	2" MESH INSERT	
162	B2810814	3" MESH INSERT	
172	M0119206	HOSE CLAMP	

Blower Assembly

*If end bells are needed please order the following:

0131M00182 - ½ HP

0131M00183 - ¾ HP

0131M00184 - 1 HP

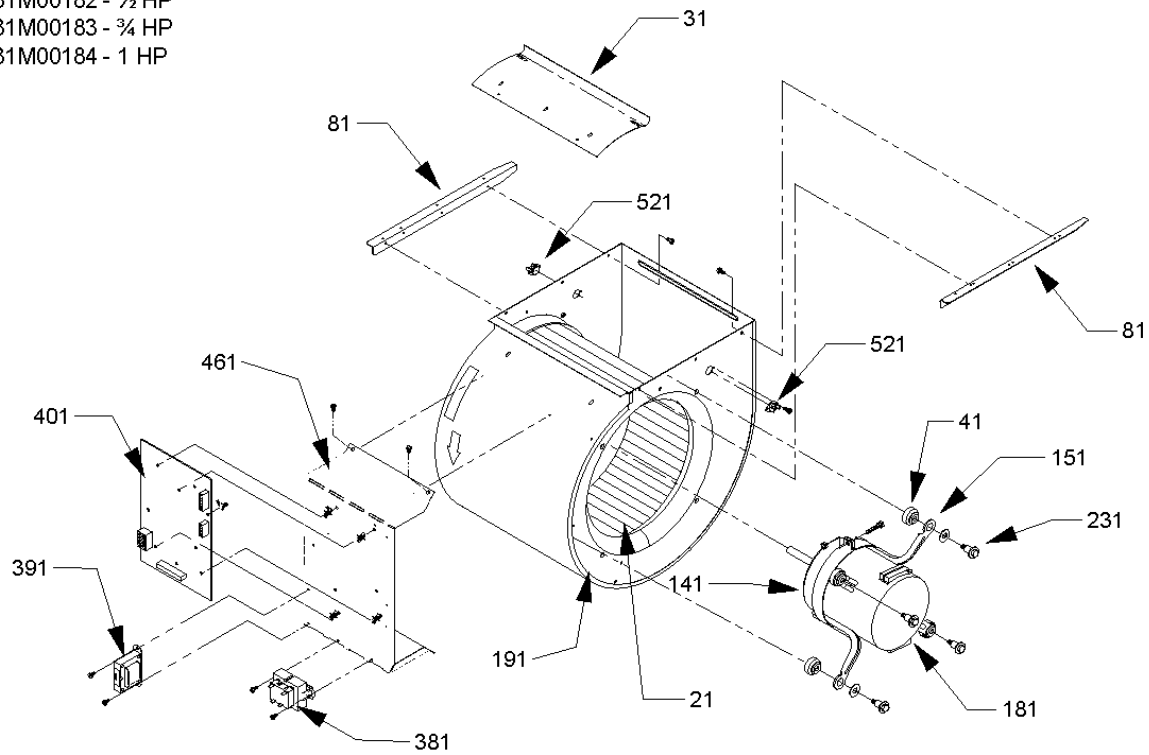
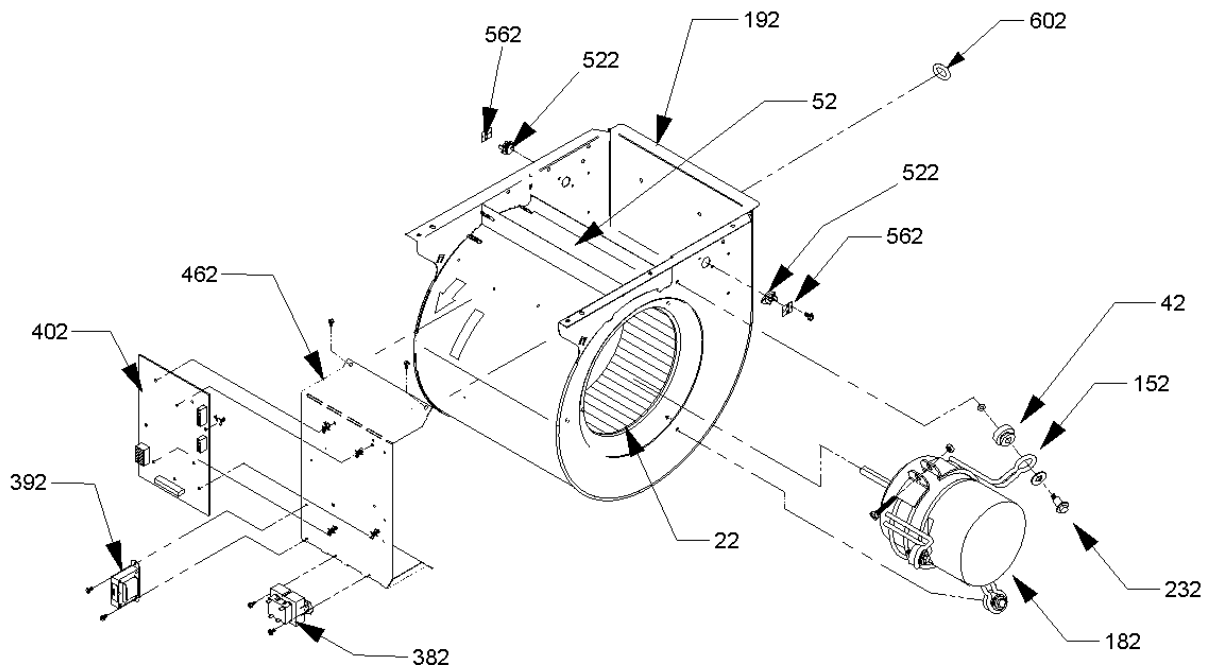


Image 1

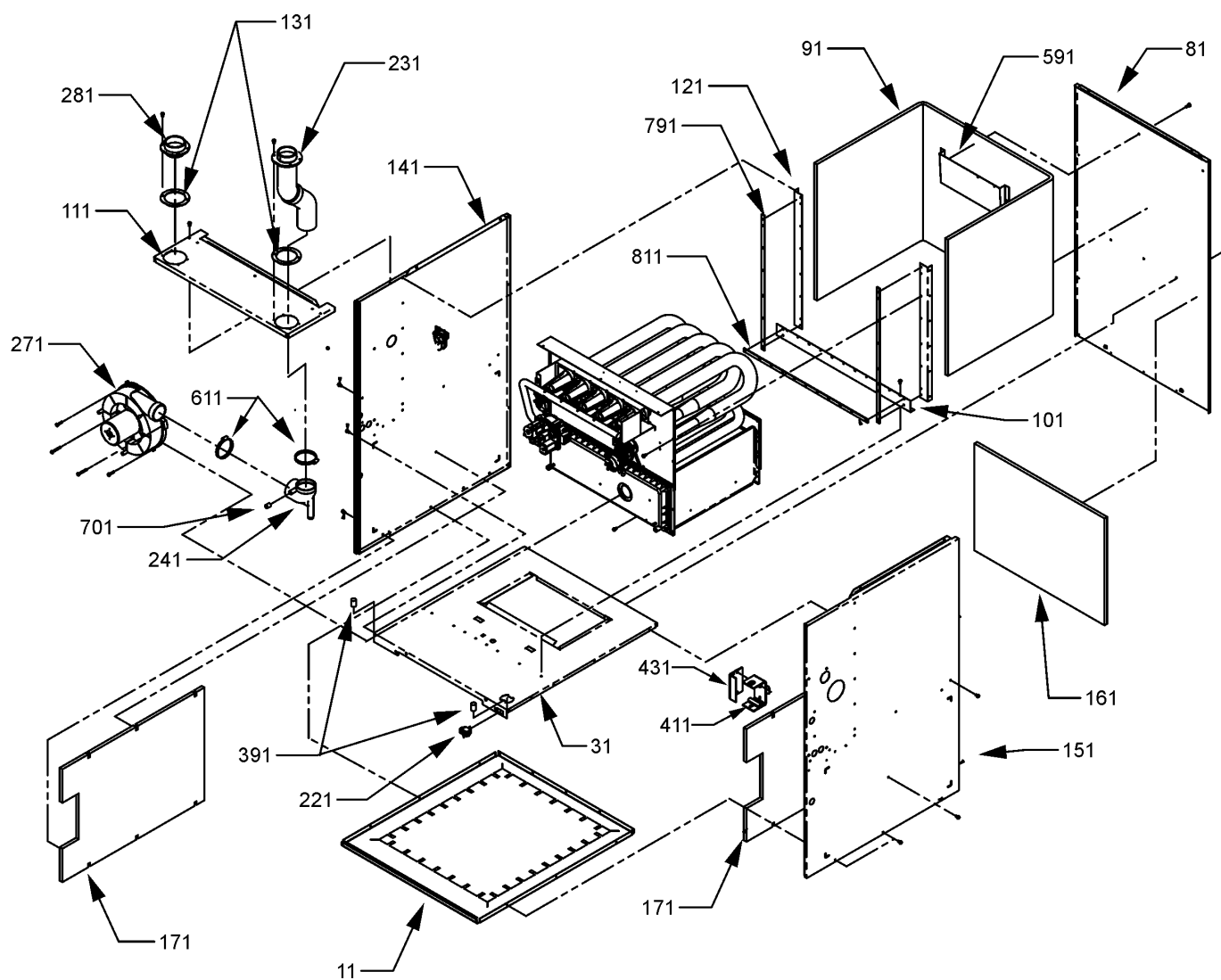
Image 2



Blower Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 2:	
21	D6723311S BLOWER WHEEL (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	52	764741F BLOWER BLOCK-OFF 10 X 10 (M3, M4, M12, M13)
31	C6121807 BLOWER CUT-OFF (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	52	764740F BLOWER BLOCK-OFF 10 X 8 (M1, M2, M10, M11)
41	A4002702 BLOWER MOTOR GROMMET (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	152	C9443702 MOTOR MOUNT BRACKET (M1, M2, M3, M4, M10, M11, M12, M13)
81	20175101 BLOWER SIDE RAIL (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	182	0131M00111S MOTOR 1/2 HP, SERIAL ECM (M1, M2, M10, M11)
141	10441601 MOTOR MOUNT BAND (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	182	0131M00112S MOTOR, 3/4 HP SERIAL ECM (M3, M4, M12, M13)
151	10441501 MOTOR MOUNT ARM (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	192	0271F00004P BLOWER HOUSING ASSY 10 X 10 (M3, M4, M12, M13)
181	0131M00113S MOTOR, 1 HP SERIAL ECM (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	192	0271F00074 BLOWER HOUSING ASSY 10 X 8 (M1, M2, M10, M11)
191	0271F00047 BLOWER HOUSING ASSY 11 X 10 (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	232	M0221461 TC SCREW (M1, M2, M3, M4, M10, M11, M12, M13)
231	M0221461 TC SCREW (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	382	B1141605 TRANSFORMER 120V TO 24V, 40 VA
381	B1141605 TRANSFORMER 120V TO 24V, 40 VA	392	B1141666 INDUCTOR-5.9 AMP (M3, M4, M12, M13)
391	B1141666 INDUCTOR-5.9 AMP (M5, M6, M7, M8, M9, M14, M15, M16, M17, M18)	402	PCBKF101S PCB, CONTROL, FURNACE
401	PCBKF101S PCB, CONTROL, FURNACE	462	0121F00094 CONTROL MOUNT PANEL
461	0121F00094 CONTROL MOUNT PANEL	522	10123537 MANUAL RESET LIMIT-GRAY (M3, M4, M12, M13)
521	10123536 MANUAL RESET LIMIT 180°F (M5, M6, M7, M14, M15, M16)	522	10123535 MANUAL RESET LIMIT-RED (M1, M2, M10, M11)
521	10123533 MANUAL RESET LIMIT-YELLOW (M8, M9, M17, M18)	562	2509503F AUXILIARY LIMIT BRACKET (M1, M2, M3, M4, M10, M11, M12, M13)
NS	0259F00040 CONTROL HARNESS	602	B1392021 PLASTIC PLUG, 1" (2713-BLK) (M1, M2, M3, M4, M10, M11, M12, M13)
NS	0130F00024 DATA, FURNACE PCB (M1)	NS	0259F00040 CONTROL HARNESS
NS	0130F00025 DATA, FURNACE PCB (M3)	NS	0159F00012 HARNESS, WIRING
NS	0130F00026 DATA, FURNACE PCB (M6)	NS	0259F00041 POWER HARNESS
NS	0130F00027 DATA, FURNACE PCB (M8)	NS	0259F00024 WIRE HARNESS-BLOWER
NS	0130F00031 DATA, FURNACE PCB (M10)	Expanded Model Nomenclature M1 - AMVC950453BXAA M2 - AMVC950453BXAB M3 - AMVC950704CXAA M4 - AMVC950704CXAB M5 - AMVC950905CXAA M6 - AMVC950905DXAA M7 - AMVC950905DXAB M8 - AMVC951155DXAA M9 - AMVC951155DXAB M10 - GMVC950453BXAA M11 - GMVC950453BXAB M12 - GMVC950704CXAA M13 - GMVC950704CXAB M14 - GMVC950905CXAA M15 - GMVC950905DXAA M16 - GMVC950905DXAB M17 - GMVC951155DXAA M18 - GMVC951155DXAB	
NS	0130F00032 DATA, FURNACE PCB (M12)		
NS	0130F00033 DATA, FURNACE PCB (M15)		
NS	0130F00034 DATA, FURNACE PCB (M17)		
NS	0130F00083 DATA, FURNACE PCB (M2)		
NS	0130F00084 DATA, FURNACE PCB (M4)		
NS	0130F00085 DATA, FURNACE PCB (M7)		
NS	0130F00086 DATA, FURNACE PCB (M9)		
NS	0130F00090 DATA, FURNACE PCB (M11)		
NS	0130F00091 DATA, FURNACE PCB (M13)		
NS	0130F00092 DATA, FURNACE PCB (M16)		
NS	0130F00093 DATA, FURNACE PCB (M18)		
NS	0130F00108 DATA, FURNACE PCB (M5)		
NS	0130F00109 DATA, FURNACE PCB (M14)		
NS	0159F00012 HARNESS, WIRING		
NS	0259F00041 POWER HARNESS		
NS	0259F00024 WIRE HARNESS-BLOWER		
Image 2:		*If end bells are needed please order the follow ing: 0131M00182 - 1/2 HP 0131M00183 - 3/4 HP 0131M00184 - 1 HP	
22	B1368047 BLOWER WHEEL 10 X 10 (M3, M4, M12, M13)		
22	B1368016S BLOWER WHEEL 10 X 8 (M1, M2, M10, M11)		
42	A4002702 BLOWER MOTOR GROMMET (M1, M2, M3, M4, M10, M11, M12, M13)		

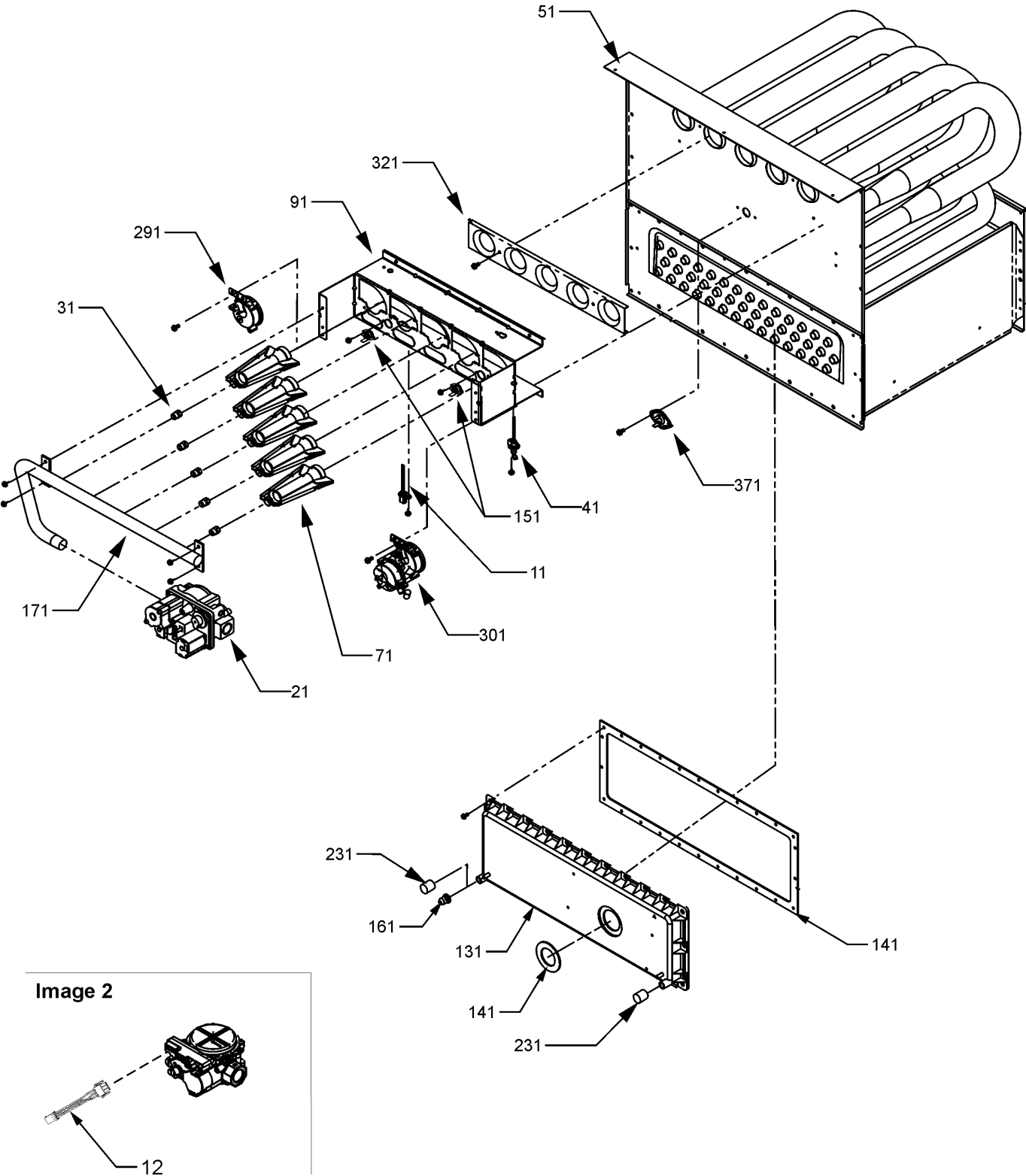
Chassis



Chassis

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 1:	
11	0121F00050DGS	NS	0164M00007
11	0121F00051DGS		PRESSURE SWITCH HOSE (M1, M2, M3, M4, M5, M6, M7, M10, M11, M12, M13, M14, M15, M16, M17, M18)
11	0121F00052DG	NS	0164M00011
31	0121F00043	NS	0164M00014
31	0121F00045		PRESSURE SWITCH HOSE (M1, M2, M10, M11)
31	0121F00048		PRESSURE SWITCH HOSE (M3, M4, M5, M6, M7, M12, M13, M14, M15, M16)
		NS	0164M00015
31	0121F00246	NS	0164M00017
81	20273208		PRESSURE SWITCH HOSE (M8, M9)
81	20273210S		PRESSURE SWITCH HOSE (M8, M9, M17, M18)
81	20273212S	Expanded Model Nomenclature	
		M1 - AMVC950453BXAA	
91	C6415909	M2 - AMVC950453BXAB	
		M3 - AMVC950704CXAA	
91	C6415910	M4 - AMVC950704CXAB	
		M5 - AMVC950905CXAA	
91	C6415911	M6 - AMVC950905DXAA	
		M7 - AMVC950905DXAB	
101	0121F00018P	M8 - AMVC951155DXAA	
101	0121F00019P	M9 - AMVC951155DXAB	
101	20191303	M10 - GMVC950453BXAA	
111	0270F00001PS	M11 - GMVC950453BXAB	
111	0270F00002PS	M12 - GMVC950704CXAA	
		M13 - GMVC950704CXAB	
111	0270F00100PS	M14 - GMVC950905CXAA	
121	20191602	M15 - GMVC950905DXAA	
121	20191603	M16 - GMVC950905DXAB	
121	20191604	M17 - GMVC951155DXAA	
131	0154F00000P	M18 - GMVC951155DXAB	
131	0154F00001P		
131	0154F00002P		
141	0121F00092DGS		
151	0121F00090DGS		
161	20006601		
161	20006602		
161	20006603		
171	20243503		
221	B1370818		
231	22309501		
241	20171802S		
271	20245903S		
281	20049701		
391	M0275521		
411	0161F00004S		
431	0161F00005S		
591	11165107		
611	0163M00049		
701	M0326804		
791	20194608		
811	20194605		
811	20194606		
811	20194607		

Heat Exchanger / Manifold / Gas Valve



Heat Exchanger / Manifold / Gas Valve

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 2:	
11	0130F00008S	12	0259M00004
21	0151M00014		WIRE HARNESS, ADAPTOR (M2, M4, M5, M7, M9, M11, M13, M14, M16, M18)
21	0151F00000P	Expanded Model Nomenclature	
31	10716003	M1 - AMVC950453BXAA M2 - AMVC950453BXAB M3 - AMVC950704CXAA M4 - AMVC950704CXAB M5 - AMVC950905CXAA M6 - AMVC950905DXAA M7 - AMVC950905DXAB M8 - AMVC951155DXAA M9 - AMVC951155DXAB M10 - GMVC950453BXAA M11 - GMVC950453BXAB M12 - GMVC950704CXAA M13 - GMVC950704CXAB M14 - GMVC950905CXAA M15 - GMVC950905DXAA M16 - GMVC950905DXAB M17 - GMVC951155DXAA M18 - GMVC951155DXAB	
41	0130F00010		
51	0257F00143S		
51	0257F00146S		
51	0257F00140S		
51	0257F00205		
51	0257F00174S		
71	10735102S		
91	20190410		
91	20190411		
91	20190412		
91	20190413		
131	20170804AS		
131	20170903AS		
131	20170906A		
131	20171003AS		
131	20171004AS		
141	0154F00000P		
141	0154F00001P		
141	0154F00002P		
151	10123518		
151	10123537		
151	10123533		
161	M0326804		
171	20196401		
171	20196402		
171	20196403		
171	20196404		
231	A1781105		
291	20197308		
301	0130F00111		
301	11177113		
301	11177114		
321	11072201		
321	11072202		
321	11072203		
321	11072204		
371	20162904		
		*PRIMARY LIMIT-TEMPERATURE CONTROL (M8, M9, M17, M18) * Refer to Service Bulletin SF-054r1	
371	0130F00105		
371	20162907		
371	20162905		