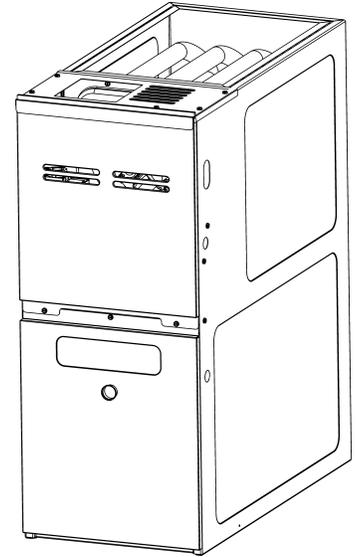


## AMVC 80% High Efficient Furnace

AMVC800603BNAC  
AMVC800603BXAC  
AMVC800604BNAC  
AMVC800604BXAC  
AMVC800803BNAC  
AMVC800804CNAC  
AMVC800804CXAC  
AMVC800805CNAC  
AMVC800805CXAC  
AMVC800805DNAC  
AMVC801005CNAC  
AMVC801005CXAC



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This manual is to be used by qualified technicians only.

# Important Information

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*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
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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:

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20162904	*PRIMARY LIMIT-TEMPERATURE CONTROL (M5, M6, M7, M10) *Refer to service bulletin SF-054
0130F00792	AIR PRESSURE SWITCH (M3, M4, M5, M8, M9)
0130F00794	AIR PRESSURE SWITCH (M6, M7)
0130F00795	AIR PRESSURE SWITCH (M1, M2, M10)
0130F00791	AIR PRESSURE SWITCH (M11, M12)
SHARED DATA	Available thru CoolCloud HVAC app.
0130F00010	FLAME SENSOR
0151M00027	GAS VALVE
0130M00141	INDUCTOR, 5.9 AMPS (M3, M4, M6, M7, M8, M9, M10, M11, M12)
10690402	INTERLOCK SWITCH
0130F00038	LIMIT, PRIMARY 120 LT BLUE
0130M00063	LIMIT, PRIMARY, 140, GOLD (M3, M4, M8, M9)
20162903	LIMIT-BLUE (M1, M2)
20162905	LIMIT-YELLOW (M11, M12)
10123529	MANUAL RESET R.O.S. LIMIT (QTY 2)
0131M00270	MOTOR, 1/2 HP, SERIAL ECM (M1, M2, M5, M6, M7)
0131M00271	MOTOR, 3/4 HP, SERIAL ECM (M3, M4, M8, M9, M10, M11, M12)
0131M00781P	MOTOR, VENT 2-STAGE
PCBKF109	PCB, CONTROL BOARD
0130F00008	SINI IGNITOR
0130M00140	TRANSFORMER,(120V TO 24V,40VA,

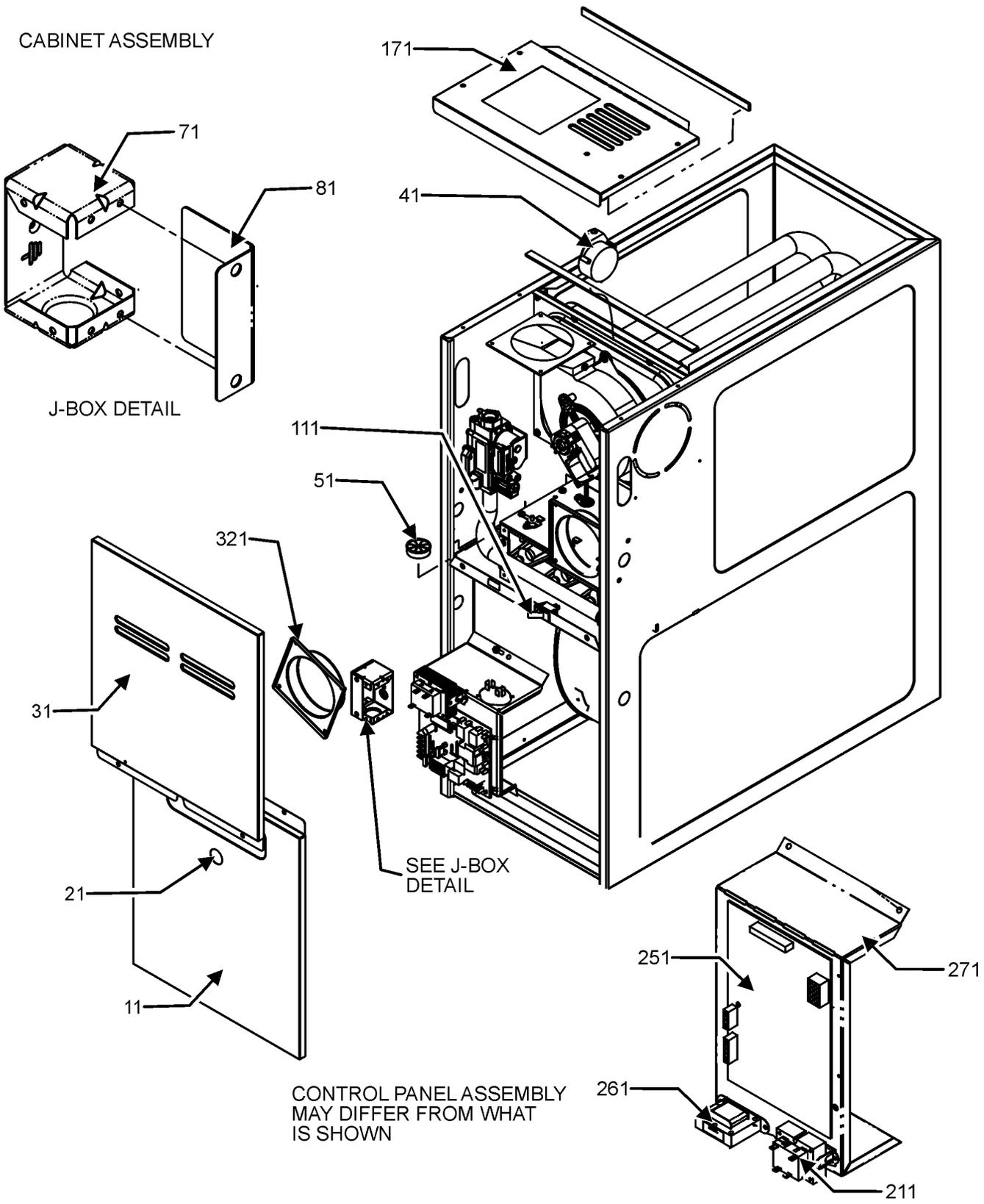
## SPECIAL PARTS

0161F00006 AMANA NAMEPLATE

## Expanded Model Nomenclature

M1 - AMVC800603BNAC
M2 - AMVC800603BXAC
M3 - AMVC800604BNAC
M4 - AMVC800604BXAC
M5 - AMVC800803BNAC
M6 - AMVC800804CNAC
M7 - AMVC800804CXAC
M8 - AMVC800805CNAC
M9 - AMVC800805CXAC
M10 - AMVC800805DNAC
M11 - AMVC801005CNAC
M12 - AMVC801005CXAC

# Cabinet and Control Panel Assembly



# Cabinet and Control Panel Assembly

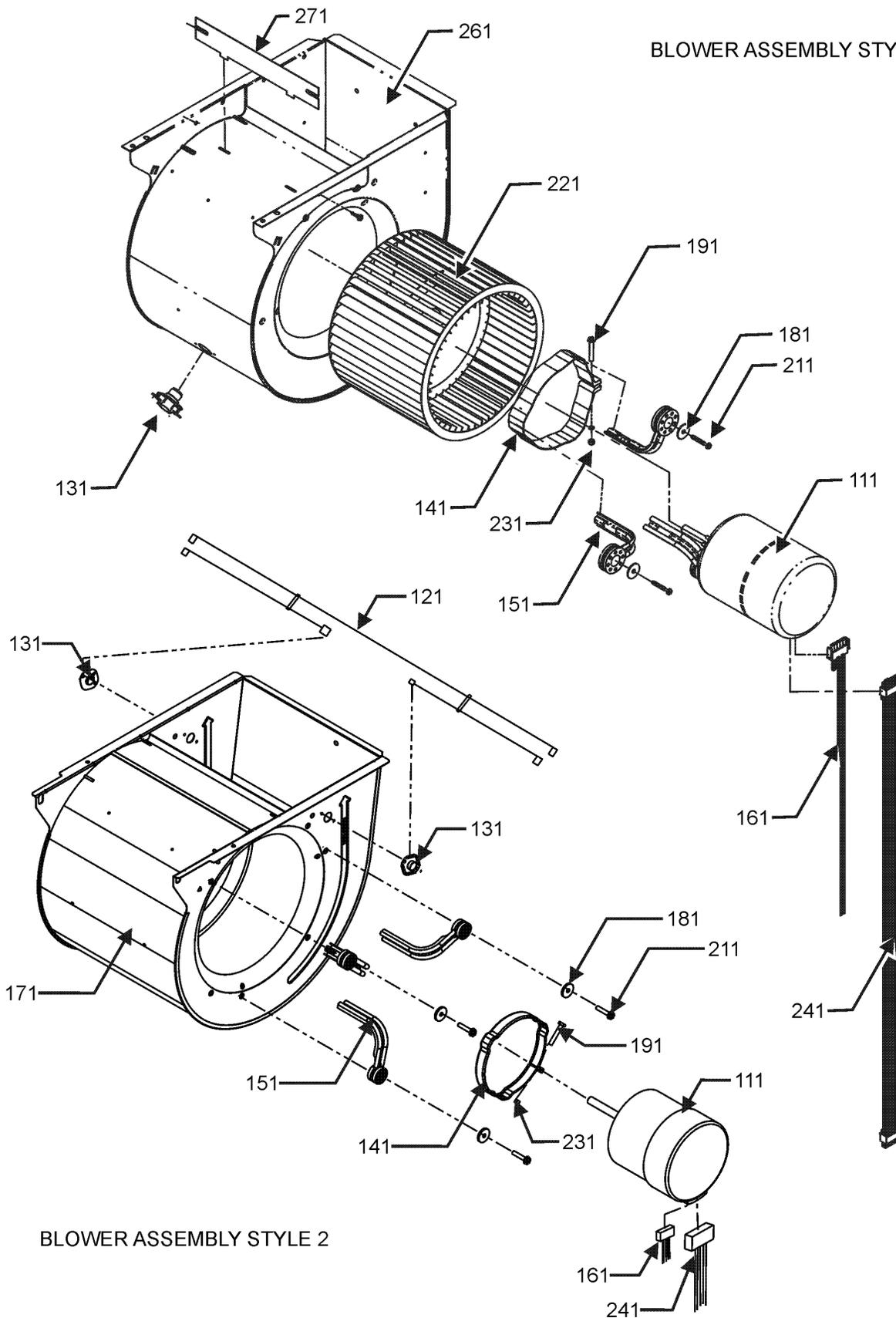
Ref. Part No:	Ref. Part No:	Description:	Description:
<b>Image 1:</b>			
11	0121F00123LG	DOOR, BLOWER, 17.5" PAINTED (M1, M2, M3, M4, M5)	
11	0121F00124LG	DOOR, BLOWER, 21"-PAINTED (M6, M7, M8, M9, M11, M12)	
11	0121F00125LG	DOOR, BLOWER, 24.5"-PAINTED (M10)	
21	B1392139	VIEW PORT BUSHING-BLOWER DOOR	
31	0121F00119LG	CONTROL ACCESS DOOR 17.5" (M1, M2, M3, M4, M5)	
31	0121F00120LG	CONTROL ACCESS DOOR 21" (M6, M7, M8, M9, M11, M12)	
31	0121F00121LG	CONTROL ACCESS DOOR 24.5" (M10)	
41	0130F00791	AIR PRESSURE SWITCH (M11, M12)	
41	0130F00792	AIR PRESSURE SWITCH (M3, M4, M5, M8, M9)	
41	0130F00794	AIR PRESSURE SWITCH (M6, M7)	
41	0130F00795	AIR PRESSURE SWITCH (M1, M2, M10)	
51	B1392147	UNIVERSAL BUSHING WITH SLICE	
71	4014502	J-BOX	
81	4015502	COVER, J-BOX	
111	10690402	INTERLOCK SWITCH	
171	0121F00142DG	TOP 17.5" (M1, M2, M3, M4, M5)	
171	0121F00143DG	TOP 21" (M6, M7, M8, M9, M11, M12)	
171	0121F00463DG	TOP, FURNACE 24.5" (M10)	
211	0130M00140	TRANSFORMER,(120V TO 24V,40VA,	
251	PCBKF109	PCB, CONTROL BOARD	
261	0130M00141	INDUCTOR, 5.9 AMPS (M3, M4, M6, M7, M8, M9, M10, M11, M12)	
271	0121F00218	PANEL, CONTROL MOUNTING	
321	4023500	CHIMNEY TRANSITION TOP	
NS	0161F00006	AMANA NAMEPLATE	
NS	SHARED DATA	Available thru CoolCloud HVAC app.	

## Expanded Model Nomenclature

- M1 - AMVC800603BNAC
- M2 - AMVC800603BXAC
- M3 - AMVC800604BNAC
- M4 - AMVC800604BXAC
- M5 - AMVC800803BNAC
- M6 - AMVC800804CNAC
- M7 - AMVC800804CXAC
- M8 - AMVC800805CNAC
- M9 - AMVC800805CXAC
- M10 - AMVC800805DNAC
- M11 - AMVC801005CNAC
- M12 - AMVC801005CXAC

# Blower Assembly

BLOWER ASSEMBLY STYLE 1



# Blower Assembly

Ref. Part No:	Part No:	Description:	Ref. Part No:	Part No:	Description:
<b>Image 1:</b>					
111	0131M00270	MOTOR, 1/2 HP, SERIAL ECM (M1, M2, M5, M6, M7)			
111	0131M00271	MOTOR, 3/4 HP, SERIAL ECM (M3, M4, M8, M9, M10, M11, M12)			
121	0259F00024	WIRE HARNESS-BLOWER (M6, M7, M10)			
131	0130F00038	LIMIT, PRIMARY 120 LT BLUE			
141	0121M00038	MOTOR MOUNT BAND (M1, M2, M3, M4, M5)			
141	0121M00039	MOTOR MOUNT BAND (HEAVY DUTY) (M6, M7, M8, M9, M10, M11, M12)			
151	B1376853	MOTOR MOUNT ARM (M1, M2, M3, M4, M5)			
151	B1376863	MOTOR MOUNT ARM (HEAVY DUTY) (M6, M7, M8, M9, M10, M11, M12)			
161	0259F00049	HARNESS-POWER			
171	0271F00303	BLOWER SHELL & WHEEL (M6, M7, M10)			
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)			
221	B1368047	BLOWER WHEEL (10 X 10) (M8, M9, M11, M12)			
221	0150M00043	WHEEL, BLOWER (10X8) (M1, M2, M5)			
221	B1368016	WHEEL, BLOWER, 10X8 (M3, M4)			
231	B1393800	LOCKNUT, NYLON INSERT 1/4 20			
241	0259M00008	WIRE HARNESS			
261	0271F00111	BLOWER SHELL ASSY (M1, M2, M3, M4, M5)			
261	0271F00112	BLOWER SHELL ASSY (M8, M9, M11, M12)			
271	764741	BLWR BLK-OFF ,10X10 (M8, M9, M11, M12)			
271	764740	BLWR BLK-OFF ,10X8 (M1, M2, M3, M4, M5)			

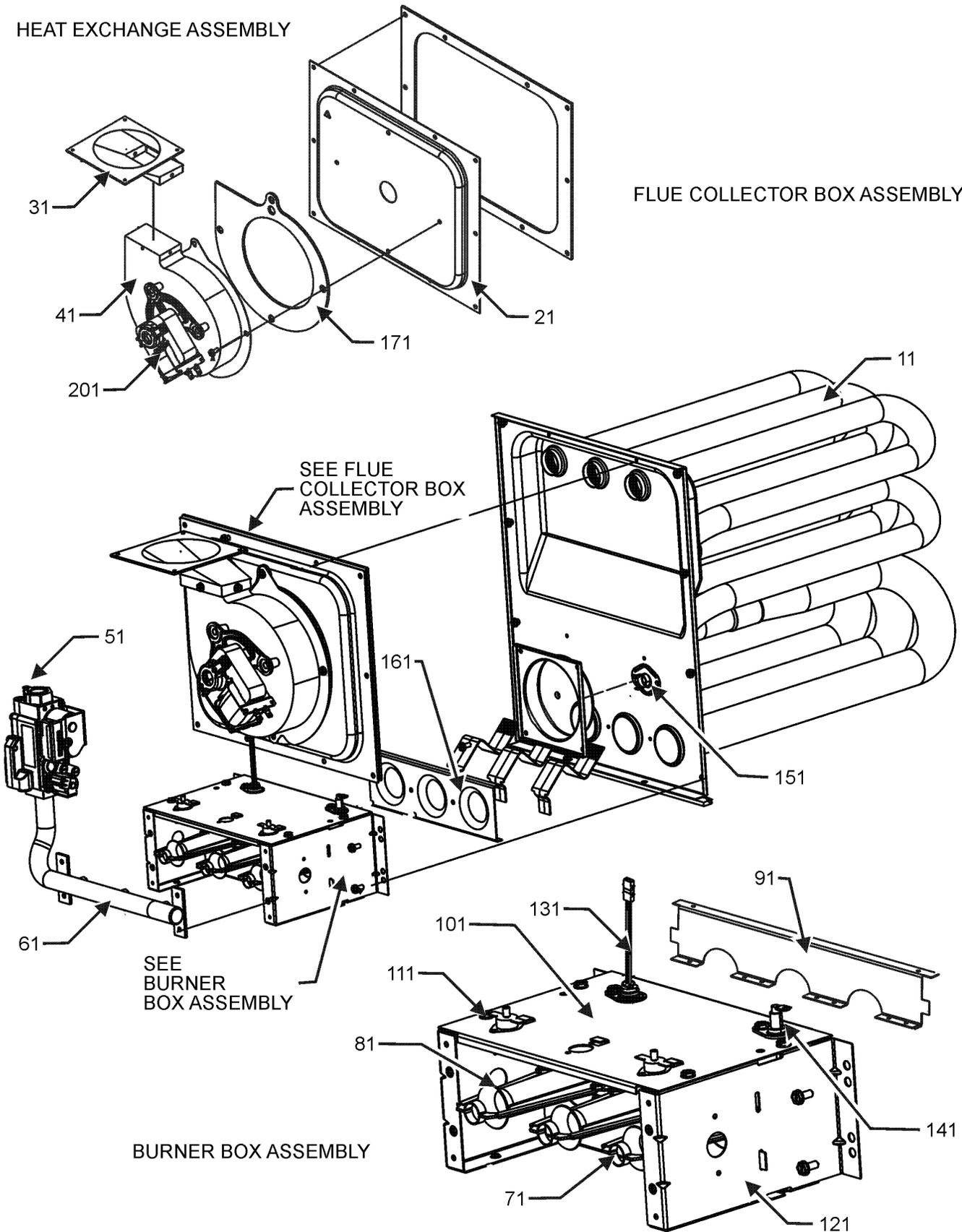
## Expanded Model Nomenclature

M1 - AMVC800603BNAC
M2 - AMVC800603BXAC
M3 - AMVC800604BNAC
M4 - AMVC800604BXAC
M5 - AMVC800803BNAC
M6 - AMVC800804CNAC
M7 - AMVC800804CXAC
M8 - AMVC800805CNAC
M9 - AMVC800805CXAC
M10 - AMVC800805DNAC
M11 - AMVC801005CNAC
M12 - AMVC801005CXAC

# Heat Exchange Assembly

HEAT EXCHANGE ASSEMBLY

FLUE COLLECTOR BOX ASSEMBLY



# Heat Exchange Assembly

Ref. Part No:	Part No:	Description:	Ref. Part No:	Part No:	Description:
<b>Image 1:</b>			<b>Expanded Model Nomenclature</b>		
11	0270F00933	HEAT EXCHANGER ASSY (M1, M2, M3, M4)	M1	-	AMVC800603BNAC
11	0270F00934	HEAT EXCHANGER ASSY (M5)	M2	-	AMVC800603BXAC
11	0270F00935	HEAT EXCHANGER ASSY (M6, M7, M8, M9)	M3	-	AMVC800604BNAC
11	0270F00936	HEAT EXCHANGER ASSY (M11, M12)	M4	-	AMVC800604BXAC
11	0270F03017	HEAT EXCHANGER ASSY (M10)	M5	-	AMVC800803BNAC
21	0121F00328	17.5" COLLECTOR BOX 1.250" DIA (M1, M2)	M6	-	AMVC800804CNAC
21	0121F00332	17.5" COLLECTOR BOX 1.375" DIA (M3, M4)	M7	-	AMVC800804CXAC
21	0121F00334	21" COLLECTOR BOX 1.625" DIA (M10)	M8	-	AMVC800805CNAC
21	0121F00333	21" COLLECTOR BOX 1.75" DIA (M11, M12)	M9	-	AMVC800805CXAC
21	0121F00336	21" FLUE COLLECTOR BOX 1.50" (M8, M9)	M10	-	AMVC800805DNAC
21	0121F00655	COLLECTOR BOX 17.5" 1.437 DIA (M5)	M11	-	AMVC801005CNAC
21	0121F00659	COLLECTOR BOX 21" 1.40 DIA (M6, M7)	M12	-	AMVC801005CXAC
31	0128F00006	TRANSITION, BOTTOM			
41	0131M00781P	MOTOR, VENT 2-STAGE			
51	0151M00027	GAS VALVE			
61	0120F00007	MANIFOLD (M1, M2, M3, M4)			
61	0120F00008	MANIFOLD (M5, M6, M7, M8, M9, M10)			
61	0120F00009	MANIFOLD (M11, M12)			
71	10716005	ORIFICE (QTY 3)			
81	B4022700	INSHOT BURNER ASSY 3" (QTY 3)			
91	0121F00168	BURNER RACK, 3 CELL (M1, M2, M3, M4)			
91	0121F00169	BURNER RACK, 4 CELL (M5, M6, M7, M8, M9,			
91	0121F00170	BURNER RACK, 5 CELL (M11, M12)			
101	0121F00163	TOP, BURNER BOX 3 CELL (M1, M2, M3, M4)			
101	0121F00164	TOP, BURNER BOX 4 CELL (M5, M6, M7, M8, M9, M10)			
101	0121F00165	TOP, BURNER BOX 5 CELL (M11, M12)			
111	10123529	MANUAL RESET R.O.S. LIMIT (QTY 2)			
121	0121F00146	BURNER BOX SIDE (QTY 2)			
131	0130F00008	SINI IGNITOR			
141	0130F00010	FLAME SENSOR			
151	20162904	*PRIMARY LIMIT-TEMPERATURE CONTROL (M5, M6, M7, M10)			
		*Refer to service bulletin SF-054			
151	0130M00063	LIMIT, PRIMARY, 140, GOLD (M3, M4, M8, M9)			
151	20162903	LIMIT-BLUE (M1, M2)			
151	20162905	LIMIT-YELLOW (M11, M12)			
161	4028001	ORIFICE PLATE, 3CELL (M1, M2, M3, M4)			
161	4028002	ORIFICE PLATE, 4CELL (M5, M6, M7, M8, M9, M10)			
161	4028003	ORIFICE PLATE, 5CELL (M11, M12)			
171	0154F00004	VENT MOTOR GASKET 17.5" (M1, M2, M3, M4, M5)			
171	0154F00005	VENT MOTOR GASKET 21" (M6, M7, M8, M9, M10, M11, M12)			
201	DY6.186.070	VENT MOTOR CAPACITOR			
NS	0259F00062	INDUCER HARNESS ASSY			
NS	0259F00260	WIRE HARNESS ASSY			
NS	0259F00261	WIRE HARNESS ASSY			