



# REPAIR PARTS

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## GCVC 96% Two Stage Variable Speed CF Furnace

GCVC960403BNBA  
GCVC960403BNBB  
GCVC960403BNBC  
GCVC960603BNBA  
GCVC960603BNBB  
GCVC960603BNBC  
GCVC960804CNBA  
GCVC960804CNBB  
GCVC960804CNBC  
GCVC961005CNBA  
GCVC961005CNBB  
GCVC961205DNBA  
GCVC961205DNBB



This manual is to be used by qualified technicians only.

This manual replaces RP-G2311B.

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## 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 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.

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For assistance within the U.S.A. contact:

Homeowner Support

Goodman Manufacturing Company, L.P.

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Waller, Texas 77484

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713-863-2382-Facsimile

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International Division

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# Functional Parts

## Part

## No: Description:

		Expanded Model Nomenclature
20162904	*PRIMARY LIMIT-TEMPERATURE CONTROL (M7, M8, M9)	M1 - GCVC960403BNBA
SHARED DATA	Available thru CoolCloud HVAC app.	M2 - GCVC960403BNBB
0163F00017	BECKETT BURNER (QTY 2)	M3 - GCVC960403BNBC
0271F00163	BLOWER SHELL & WHEEL ASSY (M12, M13)	M4 - GCVC960603BNBA
0271F00161	BLOWER SHELL & WHEEL ASSY (M7, M8, M9, M10, M11)	M5 - GCVC960603BNBB
0271F00159	BLOWER SHELL & WHEEL ASSY (M4, M5, M6)	M6 - GCVC960603BNBC
0271F00181	BLWR SCROLL 10X8 (M1, M2, M3)	M7 - GCVC960804CNBA
0130F00010	FLAME SENSOR	M8 - GCVC960804CNBB
0151M00027	GAS VALVE	M9 - GCVC960804CNBC
0257F00360	HEAT EXCHANGER ASSY (M10, M11)	M10 - GCVC961005CNBA
0257F00359	HEAT EXCHANGER ASSY (M7, M8, M9)	M11 - GCVC961005CNBB
0257F00358	HEAT EXCHANGER ASSY (M4, M5, M6)	M12 - GCVC961205DNBA
0257F00310	HEAT EXCHANGER ASSY. (M1, M2, M3)	M13 - GCVC961205DNBB
0257F00300	HEAT EXCHANGER ASSY. (M12, M13)	
0130F00008	IGNITOR-SINI 17 SEC	
0130M00141	INDUCTOR, 5.9 AMPS (M7, M8, M9, M10, M11, M12, M13)	
0130M00243	INTERLOCK SWITCH	
10123527	MANUAL RESET LIMIT (M12, M13)	
0130F00123	MANUAL RESET LIMIT (M7, M8, M9, M10, M11)	
10123538	MANUAL RESET LIMIT-TAN (M4, M5, M6)	
10123533	MANUAL RESET LIMIT-YELLOW (M1, M2, M3)	
0131M00272	MOTOR, 1 HP, SERIAL ECM (M10, M11, M12, M13)	
0131M01002	MOTOR, 1/2 HP (M3, M6)	
0131M00270	MOTOR, 1/2 HP, SERIAL ECM (M1, M2, M4, M5)	
0131M01003	MOTOR, 3/4 HP (M9)	
0131M00271	MOTOR, 3/4 HP, SERIAL ECM (M7, M8)	
0171M00002	MOTOR-ID, BLOWER	
PCBKF107	PCB, CONTROL BOARD (M1, M4, M7, M10, M12)	
PCBKF109	PCB, CONTROL BOARD (M2, M3, M5, M6, M8, M9, M11, M13)	
0130F00435	PRESSURE SWITCH (M4, M5, M6)	
0130F00485	PRESSURE SWITCH (M1, M2, M3)	
0130F00429	PRESSURE SWITCH (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)	
0130F00443	PRESSURE SWITCH (M12, M13)	
0130F00436	PRESSURE SWITCH (M7, M8, M9)	
0130F00434	PRESSURE SWITCH (M10, M11)	
0130F00433	PRESSURE SWITCH (M1, M2, M3)	
0130F00038	PRIMARY LIMIT - LT BLUE 120° (QTY 2)	
0130F00036	PRIMARY LIMIT - PINK 180° (M12, M13)	
0130F00035	PRIMARY LIMIT - PURPLE 220° (M4, M5, M6)	
20162906	PRIMARY LIMIT - WHITE (M1, M2, M3, M10, M11)	
0130M00140	TRANSFORMER,(120V TO 24V,40VA,	
0150M00043	WHEEL, BLOWER (10 X 8) (M1, M2, M3)	

## SPECIAL PARTS

0161F00086 NAMEPLATE, GOODMAN

# Cabinet Assembly

IMAGE 1

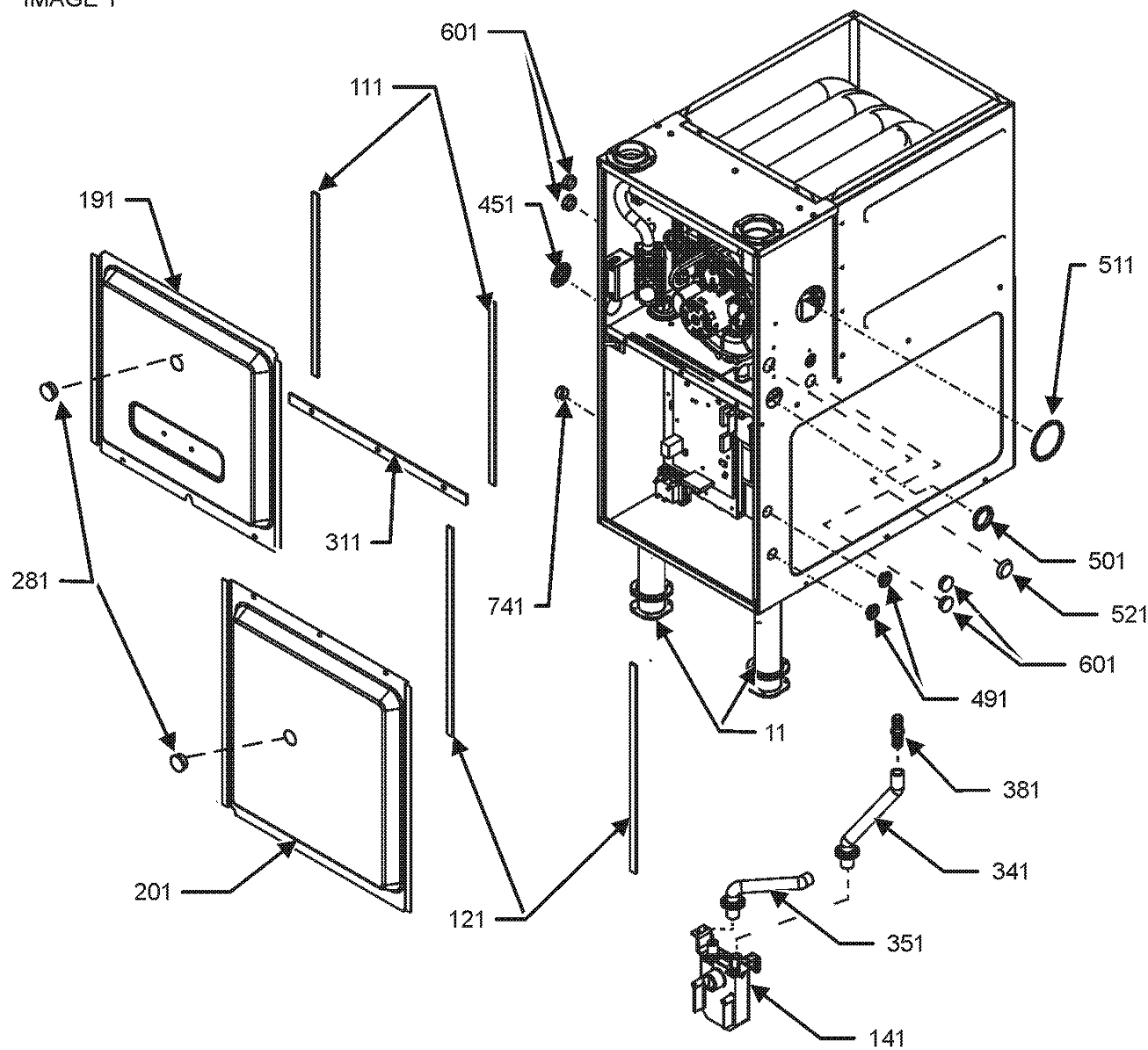
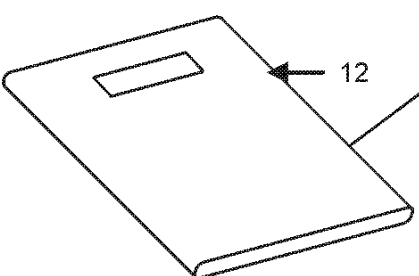
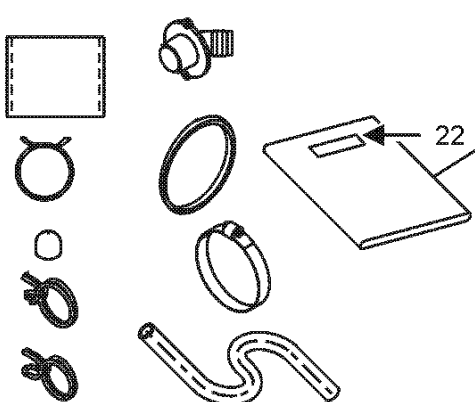


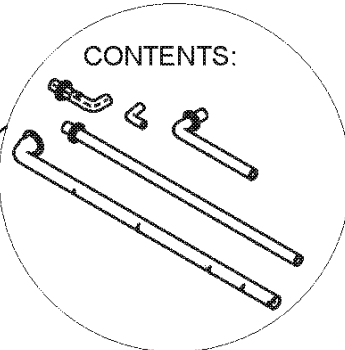
IMAGE 2



CONTENTS:



CONTENTS:



# Cabinet Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<b>Image 1:</b>			
11	0161F00064	PIPE, STRAIGHT CF (QTY 2)	
111	0154F00024	GASKET (QTY 2)	
121	0154F00025	GASKET (QTY 2)	
141	0161F00046	DRAIN TRAP	
191	0121F00291DG	DOOR, ACCESS 17.5 PNT (M1, M2, M3, M4, M5, M6)	
191	0121F00292DG	DOOR, ACCESS 21 PNT (M7, M8, M9, M10, M11)	
191	0121F00293DG	DOOR, ACCESS 24.5 PNT (M12, M13)	
201	0121F00288DG	DOOR, BLOWER 17.5 PNT (M1, M2, M3, M4, M5, M6)	
201	0121F00289DG	DOOR, BLOWER 21 PNT (M7, M8, M9, M10, M11)	
201	0121F00290DG	DOOR, BLOWER 24.5 PNT (M12, M13)	
281	B1392139	VIEW PORT BUSHING-BLOWER DOOR (QTY 2)	
311	0154F00020	GASKET, DECK (M1, M2, M3, M4, M5, M6)	
311	0154F00021	GASKET, DECK (M7, M8, M9, M10, M11)	
311	0154F00022	GASKET, DECK (M12, M13)	
341	0270F03514	CF DRAIN TUBE ASSY (M1, M2, M3, M4, M5, M6)	
341	0270F03515	CF DRAIN TUBE ASSY (M7, M8, M9, M10, M11)	
341	0270F03516	CF DRAIN TUBE ASSY (M12, M13)	
351	0270F03125	CF DRAIN TUBE ASSY (M1, M2, M3, M4, M5, M6)	
351	0270F03126	CF DRAIN TUBE ASSY (M7, M8, M9, M10, M11)	
351	0270F03127	CF DRAIN TUBE ASSY (M12, M13)	
381	0161F00037	COUPLING	
451	M0501301	PIPE GROMMET	
491	M0570808	BUTTON PLUG	
501	M0570806	BUTTON PLUG	
511	M0570807	BUTTON PLUG	
521	0161M00027	PLUG, HOLE	
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	0161F00086	NAMEPLATE, GOODMAN	
NS	M0273904	RETAINER SCREW (QTY 3)	
NS	M0209730	SCREW-DECORATIVE (QTY 3)	

## Image 2:

12	0270F05249	DRAIN KIT ASSY
22	0270F05249	DRAIN KIT ASSY

## Expanded Model Nomenclature

M1 - GCVC960403BNBA
M2 - GCVC960403BNBB
M3 - GCVC960403BNBC
M4 - GCVC960603BNBA
M5 - GCVC960603BNBB
M6 - GCVC960603BNBC
M7 - GCVC960804CNBA
M8 - GCVC960804CNBB
M9 - GCVC960804CNBC
M10 - GCVC961005CNBA
M11 - GCVC961005CNBB
M12 - GCVC961205DNBA
M13 - GCVC961205DNBB

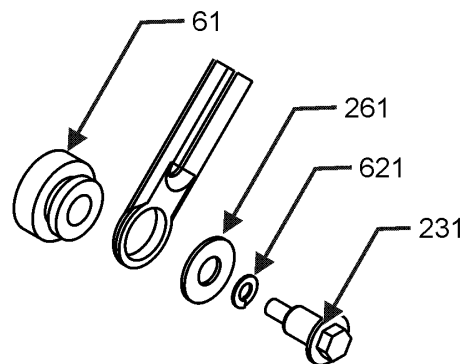
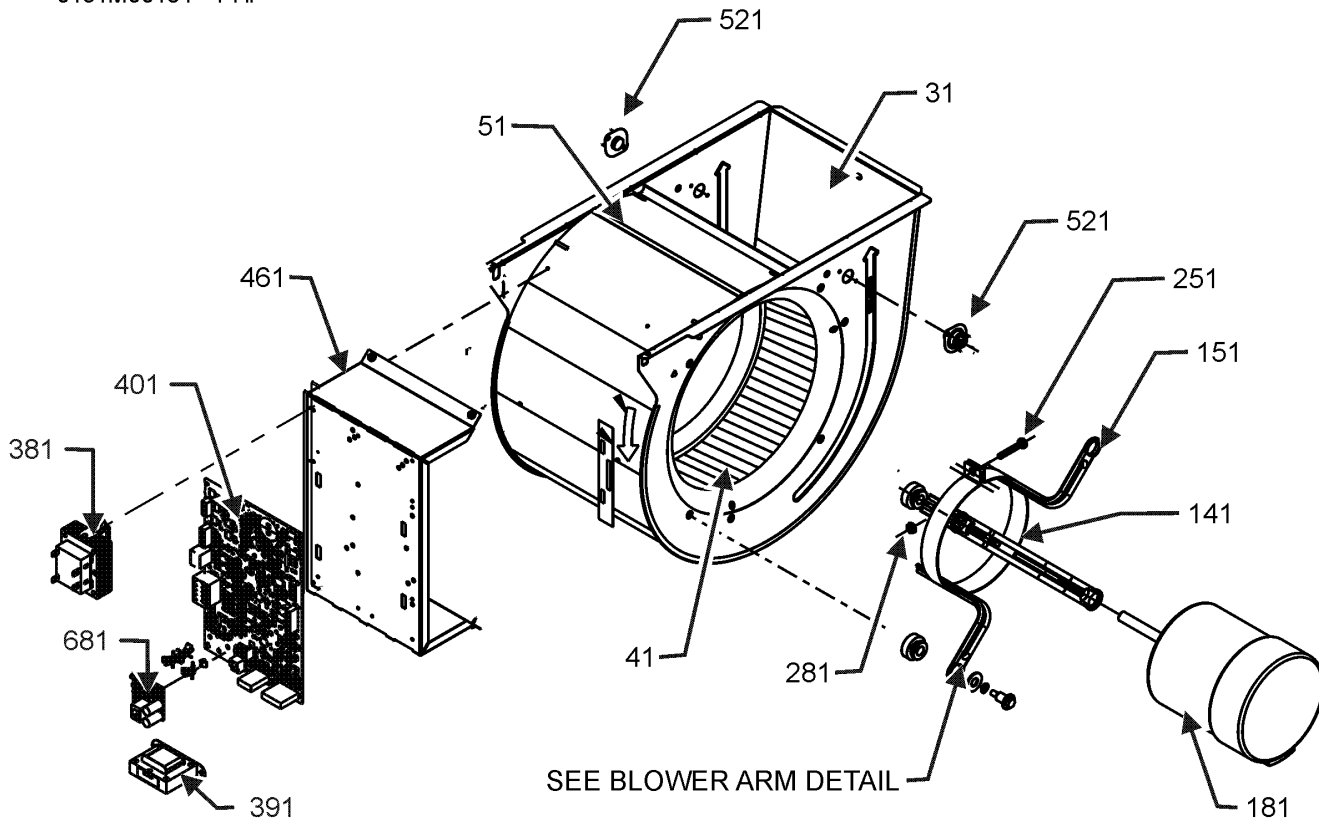
# Blower Assembly

\*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	0271F00159	BLOWER SHELL & WHEEL ASSY (M4, M5, M6)
31	0271F00161	BLOWER SHELL & WHEEL ASSY (M7, M8, M9, M10, M11)
31	0271F00163	BLOWER SHELL & WHEEL ASSY (M12, M13)
31	0271F00181	BLWR SCROLL 10X8 (M1, M2, M3)
41	0150M00043	WHEEL, BLOWER (10 X 8) (M1, M2, M3)
51	764740	BLWR BLK-OFF, 10X8 (M1, M2, M3)
61	A4002702	BLOWER MOTOR GROMMET (M7, M8, M9, M10, M11, M12, M13)
141	0121M00038	MOTOR MOUNT BAND (M1, M2, M3, M4, M5, M6)
141	10441601	MOTOR MOUNT BAND (M7, M8, M9, M10, M11, M12, M13)
151	10441501	MOTOR MOUNT ARM (M7, M8, M9, M10, M11, M12, M13)
151	B1376857	MOTOR MOUNT ARM (M1, M2, M3, M4, M5, M6)
181	0131M00272	MOTOR, 1 HP, SERIAL ECM (M10, M11, M12, M13)
181	0131M01002	MOTOR, 1/2 HP (M3, M6)
181	0131M00270	MOTOR, 1/2 HP, SERIAL ECM (M1, M2, M4, M5)
181	0131M01003	MOTOR, 3/4 HP (M9)
181	0131M00271	MOTOR, 3/4 HP, SERIAL ECM (M7, M8)
231	0163F00028	SCREW (M7, M8, M9, M10, M11, M12, M13)
231	M0250565	TC SCREW 1.25" (M1, M2, M3, M4, M5, M6)
251	M0267144	MACHINE SCREW (M7, M8, M10, M11, M12, M13)
251	B1393323	MACHINE SCREW HWH 1/4-20 X 1-1/2 BZ (M1, M2, M3, M4, M5, M6, M9)
261	B1392918	WASHER, FLAT 1/4 ID X 1 OD (M1, M2, M3, M4, M5, M6)
261	M0274008	WASHER-FLAT (M7, M8, M9, M10, M11, M12, M13)
281	M0282015	KEPS NUT (M7, M8, M10, M11, M12, M13)
281	B1393800	LOCKNUT, NYLON, INSERT 1/4, 20 (M1, M2, M3, M4, M5, M6, M9)
381	0130M00140	TRANSFORMER, (120V TO 24V, 40VA,
391	0130M00141	INDUCTOR, 5.9 AMPS (M7, M8, M9, M10, M11, M12, M13)
401	PCBKF107	PCB, CONTROL BOARD (M1, M4, M7, M10, M12)
401	PCBKF109	PCB, CONTROL BOARD (M2, M3, M5, M6, M8, M9, M11, M13)
461	0121F00464	MOUNTING PLATE-CONTROLS
521	0130F00038	PRIMARY LIMIT - LT BLUE 120° (QTY 2)
621	B1392820	WASHER, SPLIT LOCK 1/4 BZ (M7, M8, M9, M10, M11, M12, M13)
681	PCBCM100	PCB CONTROL (M1, M4, M7, M10, M12)
NS	SHARED DATA	Available thru CoolCloud HVAC app.
NS	0159F00083	CABLE, RJ12 (M1, M4, M7, M10, M12)
NS	0259F00040	CONTROL HARNESS
NS	B1392021	PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
NS	0259F00041	POWER HARNESS HIGH VOLTAGE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)
NS	0259F00024	WIRE HARNESS-BLOWER

### Expanded Model Nomenclature

M1 - GVCV960403BNBA  
M2 - GVCV960403BNBB  
M3 - GVCV960403BNBC  
M4 - GVCV960603BNBA  
M5 - GVCV960603BNBB  
M6 - GVCV960603BNBC  
M7 - GVCV960804CNBA  
M8 - GVCV960804CNBB  
M9 - GVCV960804CNBC  
M10 - GVCV961005CNBA  
M11 - GVCV961005CNBB  
M12 - GVCV961205DNBA  
M13 - GVCV961205DNBB

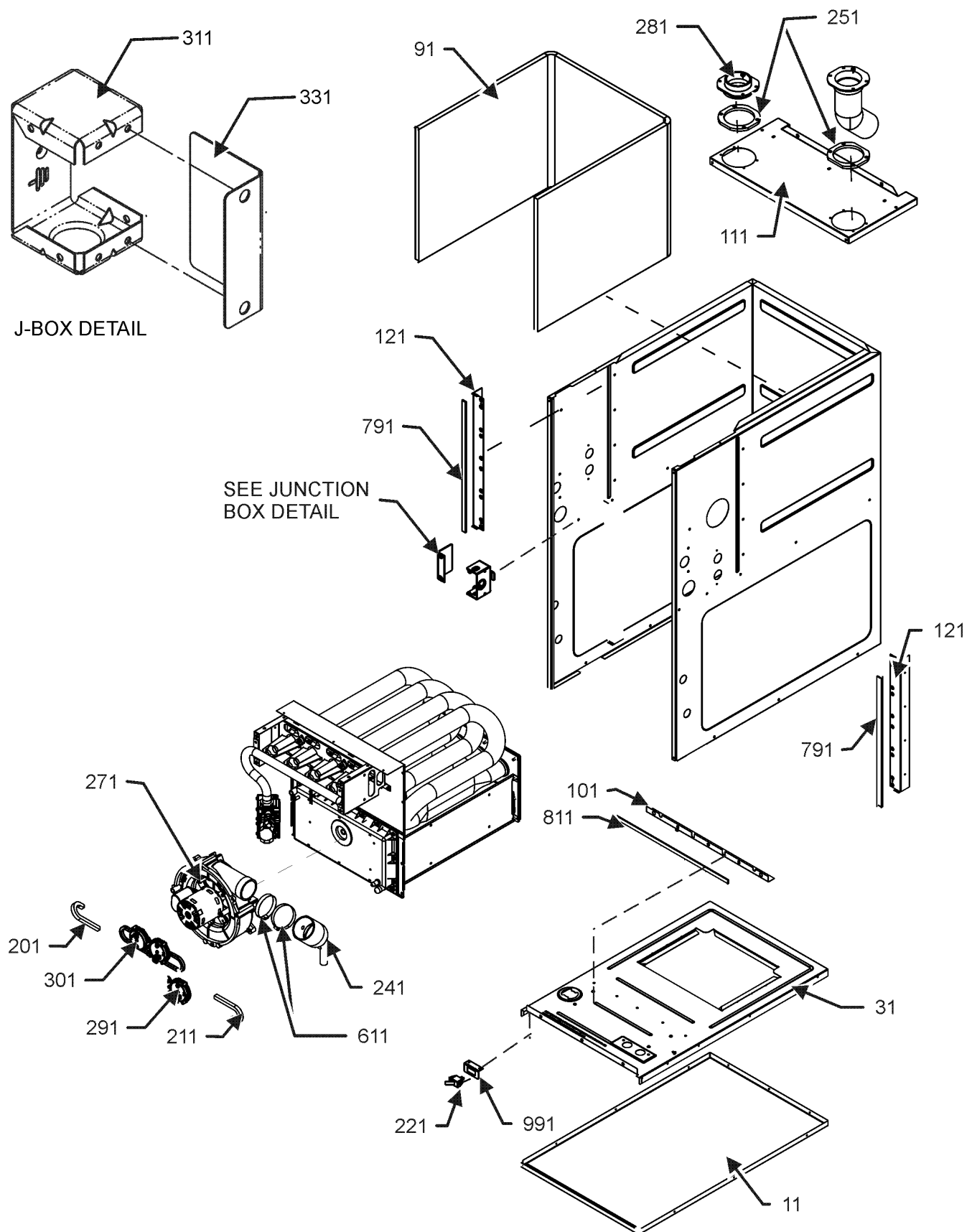
\*If end bells are needed please order the follow ing:

0131M00182 - 1/2 HP

0131M00183 - 3/4 HP

0131M00184 - 1 HP

# Chassis Assembly

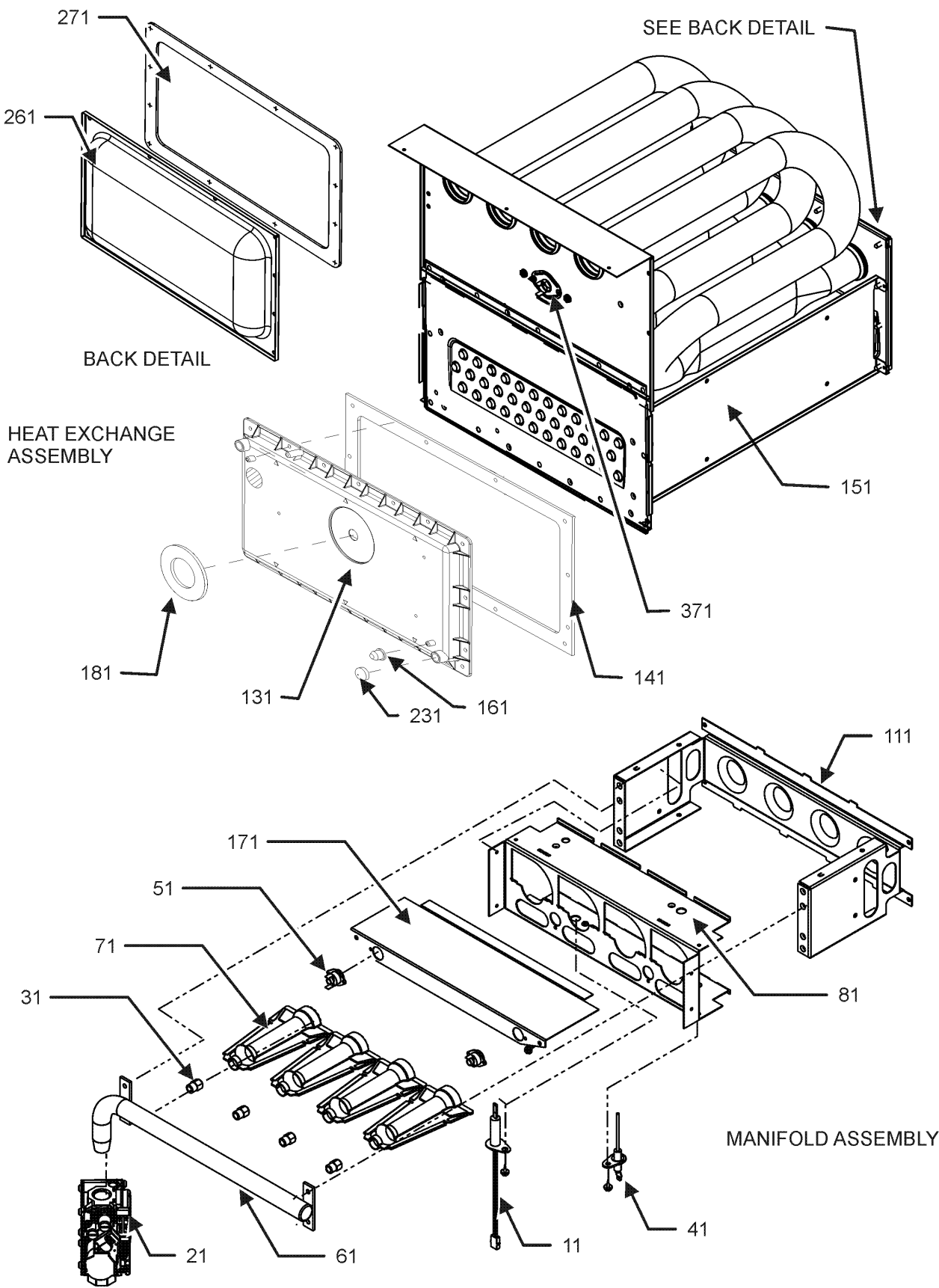




# Chassis Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<b>Image 1:</b>		<b>Expanded Model Nomenclature</b>	
11	0121F00548DG	PAINTED BASEPAN, 17.5 CF (M1, M2, M3, M4, M5, M6)	M1 - GCV C960403BNBA M2 - GCV C960403BNBB M3 - GCV C960403BNBC M4 - GCV C960603BNBA M5 - GCV C960603BNBB M6 - GCV C960603BNBC M7 - GCV C960804CNBA M8 - GCV C960804CNBB M9 - GCV C960804CNBC M10 - GCV C961005CNBA M11 - GCV C961005CNBB M12 - GCV C961205DNBA M13 - GCV C961205DNBB
11	0121F00549DG	PAINTED BASEPAN, 21 CF (M7, M8, M9, M10, M11)	
11	0121F00550DG	PAINTED BASEPAN, 24.5 CF (M12, M13)	
31	0121F00536	DECK-BLOWER 17.5" CF (M1, M2, M3, M4, M5, M6)	
31	0121F00537	DECK-BLOWER 21" CF (M7, M8, M9, M10, M11)	
31	0121F00538	DECK-BLOWER 24.5" CF (M12, M13)	
91	0160F00015	INSULATION, HT EXCHANGER 17.5" (M1, M2, M3, M4, M5, M6)	
91	0160F00016	INSULATION, HT EXCHANGER 21" (M7, M8, M9, M10, M11)	
91	0160F00017	INSULATION, HT EXCHANGER 24.5" (M12, M13)	
101	0121F00314	ANGLE, DECK (M1, M2, M3, M4, M5, M6)	
101	0121F00315	ANGLE, DECK (M7, M8, M9, M10, M11)	
101	0121F00316	ANGLE, DECK (M12, M13)	
111	0121F00426DG	TOP, PAINTED FURNACE 17.5" CF (M1, M2, M3, M4, M5, M6)	
111	0121F00434DG	TOP, PAINTED FURNACE 21" CF (M7, M8, M9, M10, M11)	
111	0121F00442DG	TOP, PAINTED FURNACE 24.5 CF (M12, M13)	
121	0121F00313	ANGLE, SIDE (QTY 2)	
201	0164M00115	HOSE- PRESSURE SW 6"	
211	0164M00119	HOSE- PRESSURE SW 12" (M12, M13)	
211	0164M00117	HOSE- PRESSURE SW 8" (M7, M8, M9, M10, M11)	
221	0130M00243	INTERLOCK SWITCH	
241	0164F00003	ELBOW-FLUE, 17.5" CFLOW (M1, M2, M3, M4, M5, M6)	
241	0164F00004	ELBOW-FLUE, 21" CFLOW (M7, M8, M9, M10, M11)	
241	0164F00005	ELBOW-FLUE, 24.5" CFLOW (M12, M13)	
251	0154F00041	FRESH AIR GASKET	
271	0171M00002	MOTOR-ID, BLOWER	
281	0161F00037	COUPLING	
291	0130F00429	PRESSURE SWITCH (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)	
291	0130F00485	PRESSURE SWITCH (M1, M2, M3)	
301	0130F00433	PRESSURE SWITCH (M1, M2, M3)	
301	0130F00434	PRESSURE SWITCH (M10, M11)	
301	0130F00435	PRESSURE SWITCH (M4, M5, M6)	
301	0130F00436	PRESSURE SWITCH (M7, M8, M9)	
301	0130F00443	PRESSURE SWITCH (M12, M13)	
311	0161F00042	JUNCTION BOX PLA	
331	0161F00043	JUNCTION BOX LID	
611	0163M00460	CLAMP HOSE (QTY 2)	
791	0154F00015	GASKET (QTY 2)	
811	0154F00014	GASKET (M1, M2, M3, M4, M5, M6)	
811	0154F00016	GASKET (M7, M8, M9, M10, M11)	
811	20194607	GASKET (M12, M13)	
991	0121F00389	BRACKET, DOOR SWITCH	
NS	0259F00040	CONTROL HARNESS	
NS	M0326804	PLUG-TUBE	
NS	0259F00041	POWER HARNESS HIGH VOLTAGE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)	
NS	0259F00024	WIRE HARNESS-BLOWER	

Heat Exchange Assembly



# Heat Exchange Assembly

Ref. Part No: No:	Description:		Ref. Part No: No:	Description:	
Image 1:			Image 1:		
11	0130F00008	IGNITOR-SINI 17 SEC	NS	0121F00583	INSULATION, RETAINER (M1, M2, M3, M4, M5, M6)
21	0151M00027	GAS VALVE	NS	0121F00584	INSULATION, RETAINER (M7, M8, M9, M10, M11)
31	10716005	ORIFICE (QTY 2)	NS	0121F00585	INSULATION, RETAINER (M12, M13)
41	0130F00010	FLAME SENSOR	NS	0121F00439	PRIMARY LIMIT-HEAT SHIELD
51	0130F00123	MANUAL RESET LIMIT (M7, M8, M9, M10, M11)	NS	0121F00355	SHIELD, COIL (QTY 2)
51	10123527	MANUAL RESET LIMIT (M12, M13)	Expanded Model Nomenclature		
51	10123538	MANUAL RESET LIMIT-TAN (M4, M5, M6)	<div>M1 - GCV C960403BNBA M2 - GCV C960403BNBB M3 - GCV C960403BNBC M4 - GCV C960603BNBA M5 - GCV C960603BNBB M6 - GCV C960603BNBC M7 - GCV C960804CNBA M8 - GCV C960804CNBB M9 - GCV C960804CNBC M10 - GCV C961005CNBA M11 - GCV C961005CNBB M12 - GCV C961205DNBA M13 - GCV C961205DNBB</div>		
51	10123533	MANUAL RESET LIMIT-YELLOW (M1, M2, M3)			
61	0163F00007	MANIFOLD (M1, M2, M3)			
61	0163F00008	MANIFOLD (M4, M5, M6)			
61	0163F00009	MANIFOLD (M7, M8, M9)			
61	0163F00010	MANIFOLD (M10, M11)			
61	0163F00011	MANIFOLD (M12, M13)			
71	0163F00017	BECKETT BURNER (QTY 2)			
81	0121F00456	BRACKET-BURNER 2 (M1, M2, M3)			
81	0121F00455	BRACKET-BURNER 3 (M4, M5, M6)			
81	0121F00454	BRACKET-BURNER 4 (M7, M8, M9)			
81	0121F00453	BRACKET-BURNER 5 (M10, M11)			
81	0121F00451	BRACKET-BURNER 6 (M12, M13)			
111	0121F00469	ORIFICE BRACKET-BURNER 2 (M1, M2, M3)			
111	0121F00468	ORIFICE BRACKET-BURNER 3 (M4, M5, M6)			
111	0121F00467	ORIFICE BRACKET-BURNER 4 (M7, M8, M9)			
111	0121F00466	ORIFICE BRACKET-BURNER 5 (M10, M11)			
111	0121F00465	ORIFICE BRACKET-BURNER 6 (M12, M13)			
131	0161F00015	COVER, FRONT (M1, M2, M3)			
131	0161F00030	COVER, FRONT (M7, M8, M9)			
131	0161F00054	COVER, FRONT (M4, M5, M6)			
131	0161F00060	COVER, FRONT (M10, M11)			
131	0161F00070	COVER, FRONT (M12, M13)			
141	0154F00026	GASKET FRONT COVER (M1, M2, M3, M4, M5, M6)			
141	0154F00030	GASKET FRONT COVER (M7, M8, M9, M10, M11)			
141	0154F00034	GASKET FRONT COVER (M12, M13)			
151	0257F00358	HEAT EXCHANGER ASSY (M4, M5, M6)			
151	0257F00359	HEAT EXCHANGER ASSY (M7, M8, M9)			
151	0257F00360	HEAT EXCHANGER ASSY (M10, M11)			
151	0257F00300	HEAT EXCHANGER ASSY. (M12, M13)			
151	0257F00310	HEAT EXCHANGER ASSY. (M1, M2, M3)			
161	M0326804	TUBE PLUG			
171	0121F00539	SHEILD, BURNER (M1, M2, M3)			
171	0121F00540	SHEILD, BURNER (M4, M5, M6)			
171	0121F00541	SHEILD, BURNER (M7, M8, M9)			
171	0121F00542	SHEILD, BURNER (M10, M11)			
171	0121F00543	SHEILD, BURNER (M12, M13)			
181	0154F00043	GASKET ID BLOWER			
231	A1781105	CAP-VINYL .500			
261	0121F00317	COVER, REAR (M1, M2, M3, M4, M5, M6)			
261	0121F00318	COVER, REAR (M7, M8, M9, M10, M11)			
261	0121F00319	COVER, REAR (M12, M13)			
271	0154F00037	GASKET, REAR CVR (M1, M2, M3, M4, M5, M6)			
271	0154F00038	GASKET, REAR CVR (M7, M8, M9, M10, M11)			
271	0154F00039	GASKET, REAR CVR (M12, M13)			
371	20162904	*PRIMARY LIMIT-TEMPERATURE CONTROL (M7, M8, M9)			
371	0130F00036	PRIMARY LIMIT - PINK 180° (M12, M13)			
371	0130F00035	PRIMARY LIMIT - PURPLE 220° (M4, M5, M6)			
371	20162906	PRIMARY LIMIT - WHITE (M1, M2, M3, M10, M11)			