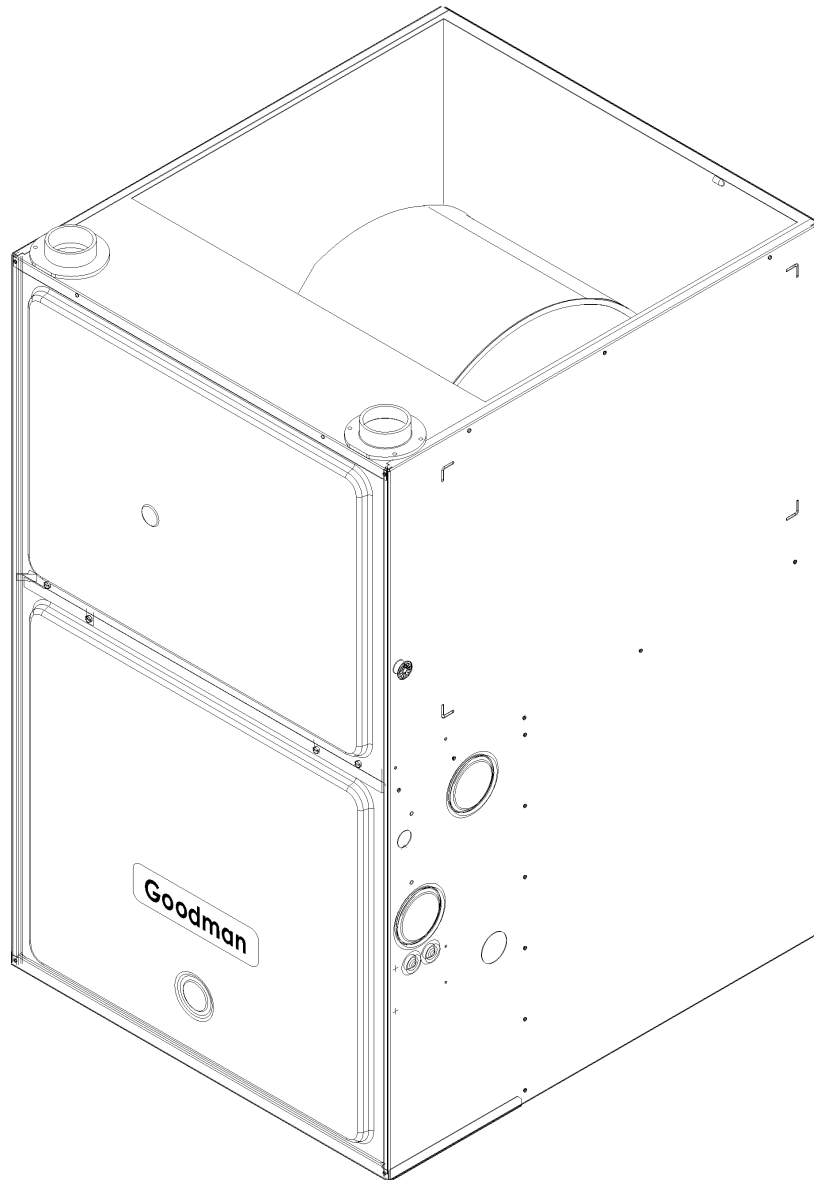




REPAIR PARTS

GCH95 Counterflow Hybrid 95% Furnace

GCH950453BXAA
GCH950453BXAB
GCH950703BXAA
GCH950703BXAB
GCH950704CXAA
GCH950704CXAB
GCH950904CXAA
GCH950904CXAB
GCH950904CXAC
GCH950905DXAA
GCH950905DXAB



This manual is to be used by qualified technicians only.

This manual replaces RP-597A

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Important Information

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Functional Parts List	3
Illustration and Parts	4 - 11

Views shown are for parts illustrations only, not servicing procedures.

Revision B: Added model GCH950904CXAC.

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:
Consumer Affairs Department
Goodman Manufacturing 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 Manufacturing Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No:

Description:

10735102S	BECKETT BURNER (QTY AR)	IO-299G	INSTALLATION INSTRUCTIONS (M1, M3, M5, M7, M10)
0131F00022	BLOWER MOTOR 1/2 HP, 4 SP, 6 PL (M5, M6, M7, M8)	IO-669	INSTALL-HUMIDIFIER
0131F00020	BLOWER MOTOR 1/3 HP, 4 SP, 6 PL (M1, M2, M3, M4)	Expanded Model Nomenclature	
10759415S	BLOWER MOTOR 3/4 HP, 4 SP, 8 PL	M1 - GCH950453BXAA M2 - GCH950453BXAB M3 - GCH950703BXAA M4 - GCH950703BXAB M5 - GCH950704CXAA M6 - GCH950704CXAB M7 - GCH950904CXAA M8 - GCH950904CXAB M9 - GCH950904CXAC M10 - GCH950905DXAA M11 - GCH950905DXAB	
10759415S	BLOWER MOTOR 3/4 HP, 4 SP, 8 PL (M9, M10, M11)		
D6723311S	BLOWER WHEEL (M10, M11)		
B1368047A	BLOWER WHEEL 10 X 10 (M5, M6, M7, M8, M9)		
B1368058S	BLOWER WHEEL 10 X 8 (M1, M2, M3, M4)		
CAP125000370VAS	CAPACITOR 12.5/370V (M1, M2, M3, M4)		
CAP150000370VAS	CAPACITOR 15/370V (M9, M10, M11)		
CAP200000370VAS	CAPACITOR 20/370V (M5, M6, M7, M8)		
0130F00010	FLAME SENSOR		
0151M00014	GAS VALVE - HONEYWELL 2-STAGE (M2, M4, M6, M8, M9, M11)		
0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE (M1, M3, M5, M7, M10)		
22307501S	ID BLOWER		
PCBBF122S	IGNITION BOARD, HSI INTEGRATED 2-STG		
B1370818	INTERLOCK SWITCH		
10123517	MANUAL RESET LIMIT (M1, M2, M3, M4, M5, M6, M10, M11)		
10123534	MANUAL RESET LIMIT 220°F (M7, M8, M9)		
10716003	ORIFICE (QTY AR)		
0130F00070	PRESSURE SWITCH		
20162903	PRIMARY LIMIT - BLUE (M7, M8, M9, M10, M11)		
0130F00038	PRIMARY LIMIT - LT BLUE 120° (QTY 2)		
0130F00038	PRIMARY LIMIT - LT BLUE 120°		
20162904	PRIMARY LIMIT-TEMPERATURE CONTROL (M1, M2, M3, M4, M5, M6)		
0130F00008S	SINI IGNITOR		
0130F00068	SWITCH, PRESSURE, GRAY (M3, M4, M7, M8, M9)		
0130F00069	SWITCH, PRESSURE, OLIVE (M1, M2, M5, M6, M10, M11)		
B1141605	TRANSFORMER 120V TO 24V, 40 VA		

SPECIAL PARTS

0161F00000P	GOODMAN NAMEPLATE
HI-115B	HOMEOWNERS INSTRUCTIONS
IO-661	INSTALL INSTRUCTIONS
IO-299J	INSTALLATION INSTR (M2, M4, M6, M8, M9, M11)

Cabinet

Image 1

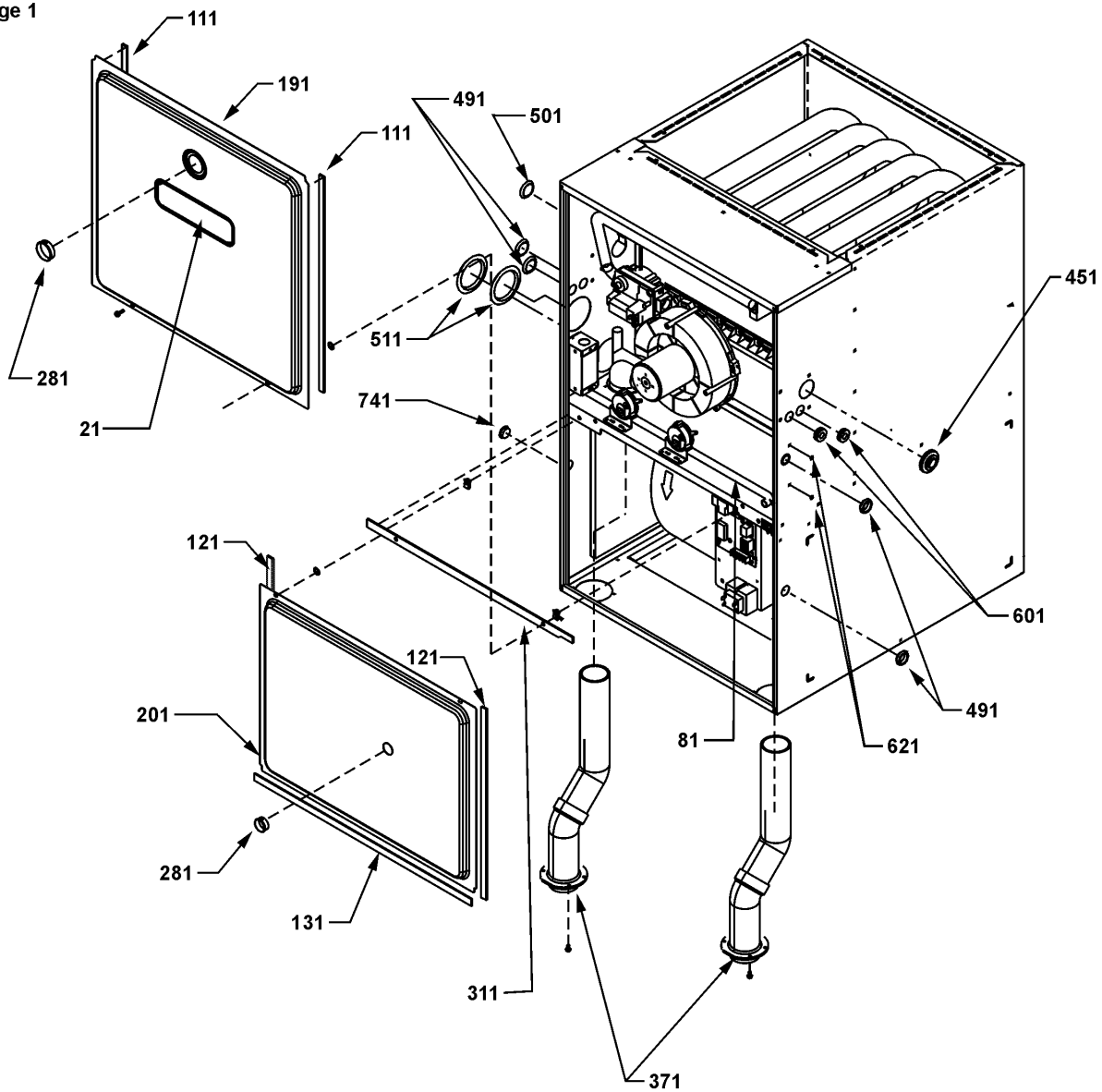
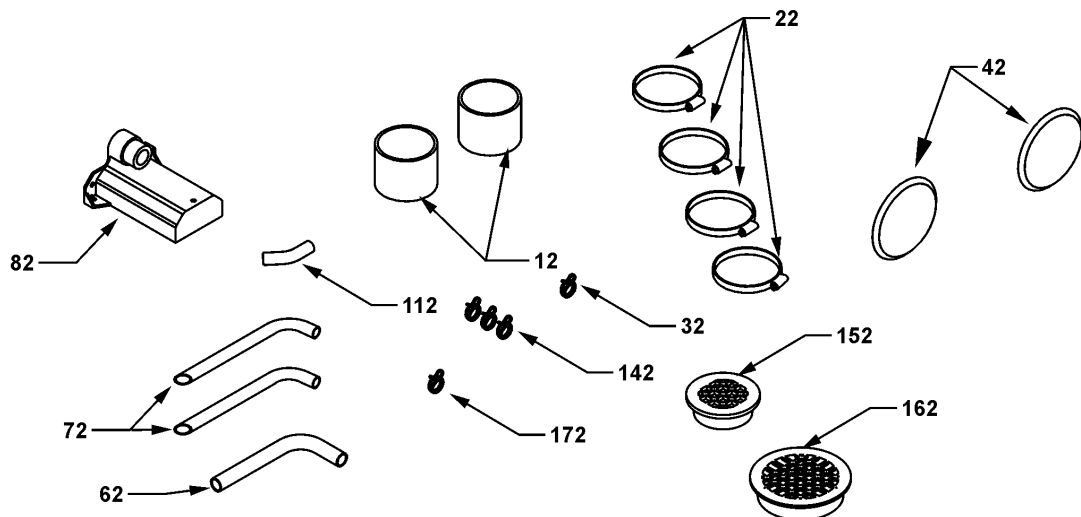


Image 2



Cabinet

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

Image 1:

21	0161F00000P	GOODMAN NAMEPLATE
81	20201902	DRAIN HOSE
111	20179308	GASKET (QTY 2)
121	20179311	GASKET (QTY 2)
131	20179311	GASKET (M1, M2, M3, M4)
131	20179312	GASKET (M5, M6, M7, M8, M9)
131	20179313	GASKET (M10, M11)
191	0121F00072DGS	ACCESS DOOR (M1, M2, M3, M4)
191	0121F00073DGS	ACCESS DOOR (M5, M6, M7, M8, M9)
191	0121F00074DGS	ACCESS DOOR (M10, M11)
201	0121F00069DGS	BLOWER DOOR (M1, M2, M3, M4)
201	0121F00070DGS	BLOWER DOOR (M5, M6, M7, M8, M9)
201	0121F00071DGS	BLOWER DOOR (M10, M11)
281	B1392139	VIEW PORT BUSHING-BLOWER DOOR (QTY 2)
311	22320001	DECK GASKET (M1, M2, M3, M4)
311	22320002	DECK GASKET (M5, M6, M7, M8, M9)
311	22320003	DECK GASKET (M10, M11)
371	22309502	FLUE PIPE (QTY 2)
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	10195518Q	STANDPIPE BAG ASSY

Image 2:

12	10254303	RUBBER COUPLING (QTY 2)
22	0163M00049	HOSE CLAMP (QTY 4)
32	M0119207	HOSE CLAMP
42	M0570807	BUTTON PLUG (QTY 2)
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

Expanded Model Nomenclature

M1 - GCH950453BXAA
M2 - GCH950453BXAB
M3 - GCH950703BXAA
M4 - GCH950703BXAB
M5 - GCH950704CXAA
M6 - GCH950704CXAB
M7 - GCH950904CXAA
M8 - GCH950904CXAB
M9 - GCH950904CXAC
M10 - GCH950905DXAA
M11 - GCH950905DXAB

Blower Assembly

Image 1

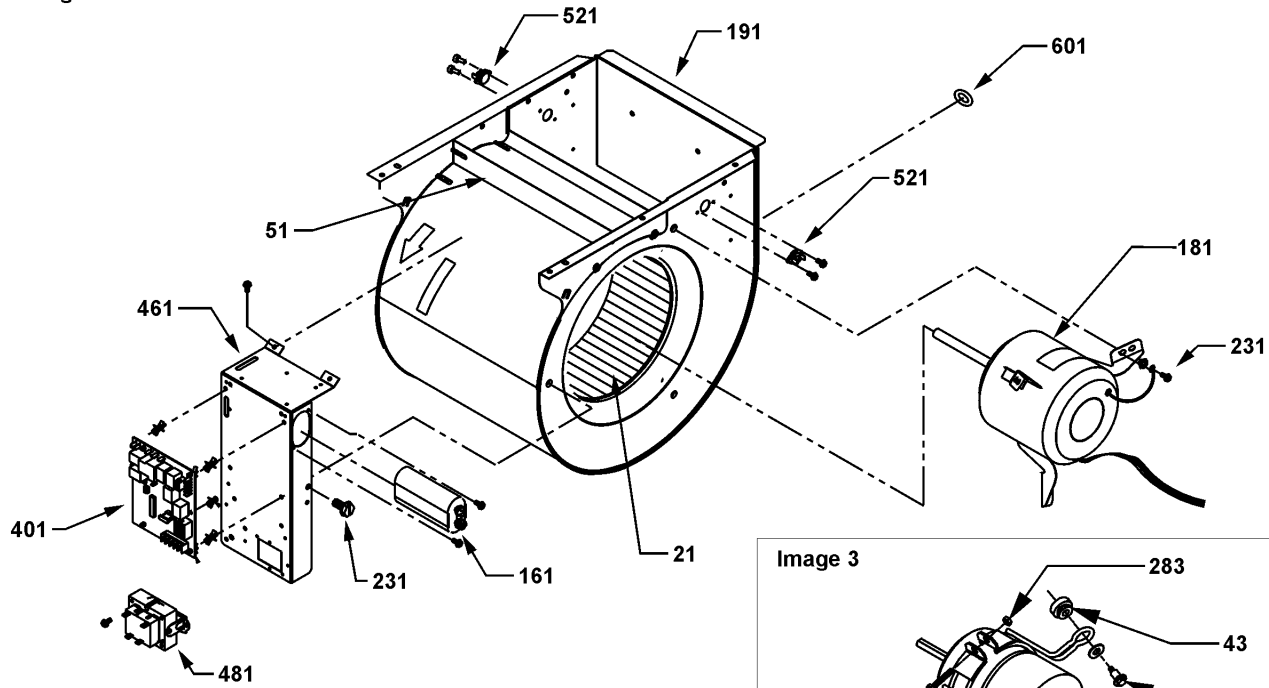


Image 3

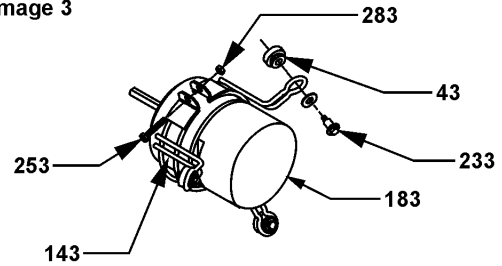
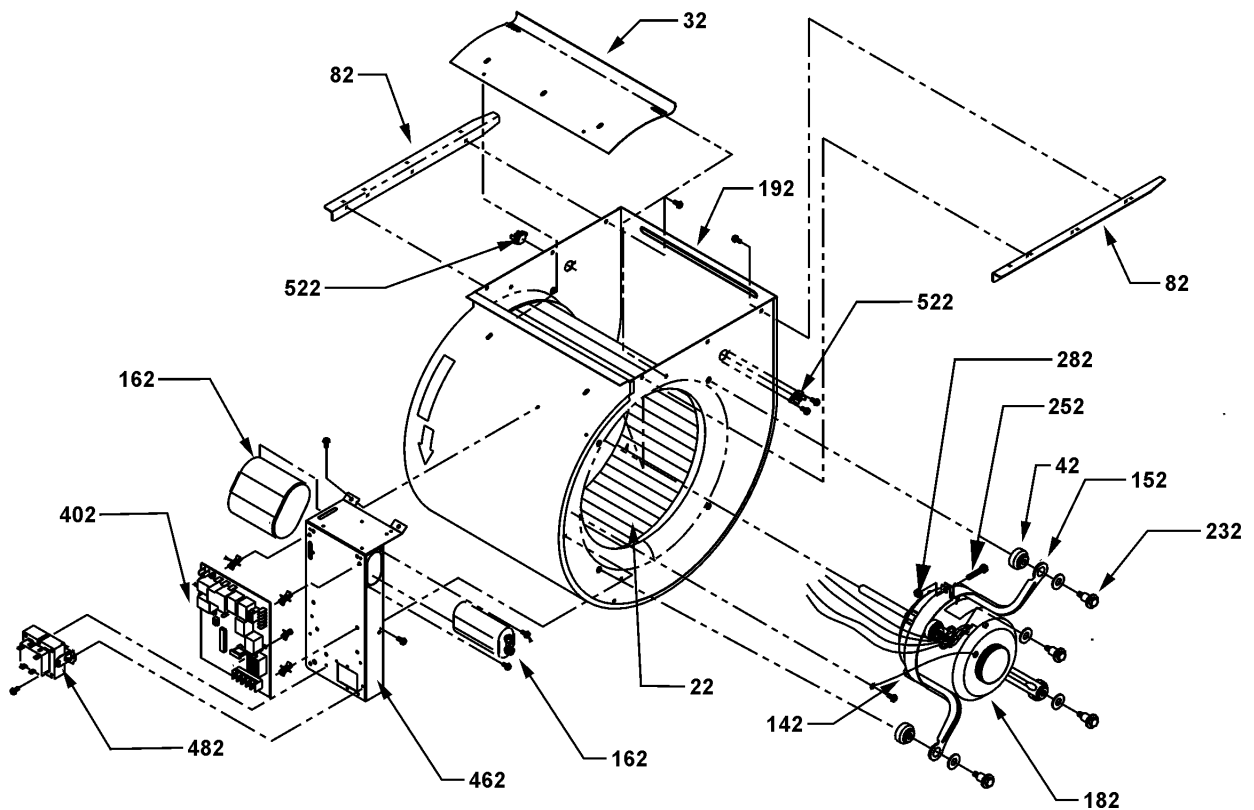


Image 2



Blower Assembly

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

Image 1:

21	B1368047A	BLOWER WHEEL 10 X 10 (M5, M6, M7, M8, M9)
21	B1368058S	BLOWER WHEEL 10 X 8 (M1, M2, M3, M4)
51	764741F	BLOWER BLOCK-OFF 10 X 10 (M5, M6, M7, M8, M9)
51	764740F	BLOWER BLOCK-OFF 10 X 8 (M1, M2, M3, M4)
161	CAP125000370VAS	CAPACITOR 12.5/370V (M1, M2, M3, M4)
161	CAP200000370VAS	CAPACITOR 20/370V (M5, M6, M7, M8)
181	0131F00022	BLOWER MOTOR 1/2 HP, 4 SP, 6 PL (M5, M6, M7, M8)
181	0131F00020	BLOWER MOTOR 1/3 HP, 4 SP, 6 PL (M1, M2, M3, M4)
191	0271F00004P	BLOWER HOUSING ASSY 10 X 10 (M5, M6, M7, M8, M9)
191	0271F00001PS	BLOWER HOUSING ASSY 10 X 8 (M1, M2, M3, M4)
231	M0250558	TC SCREW (M1, M2, M3, M4, M5, M6, M7, M8)
401	PCBBF122S	IGNITION BOARD, HSI INTEGRATED 2-STG
461	0121F00025P	CONTROL BRACKET
481	B1141605	TRANSFORMER 120V TO 24V, 40 VA
521	0130F00038	PRIMARY LIMIT - LT BLUE 120° (QTY 2)
601	B1392021	PLASTIC PLUG, 1" (2713-BLK) (M1, M2, M3, M4, M5, M6, M7, M8, M9)
NS	0259F00024	WIRE HARNESS-BLOWER

Expanded Model Nomenclature

M1 - GCH950453BXAA
M2 - GCH950453BXAB
M3 - GCH950703BXAA
M4 - GCH950703BXAB
M5 - GCH950704CXAA
M6 - GCH950704CXAB
M7 - GCH950904CXAA
M8 - GCH950904CXAB
M9 - GCH950904CXAC
M10 - GCH950905DXAA
M11 - GCH950905DXAB

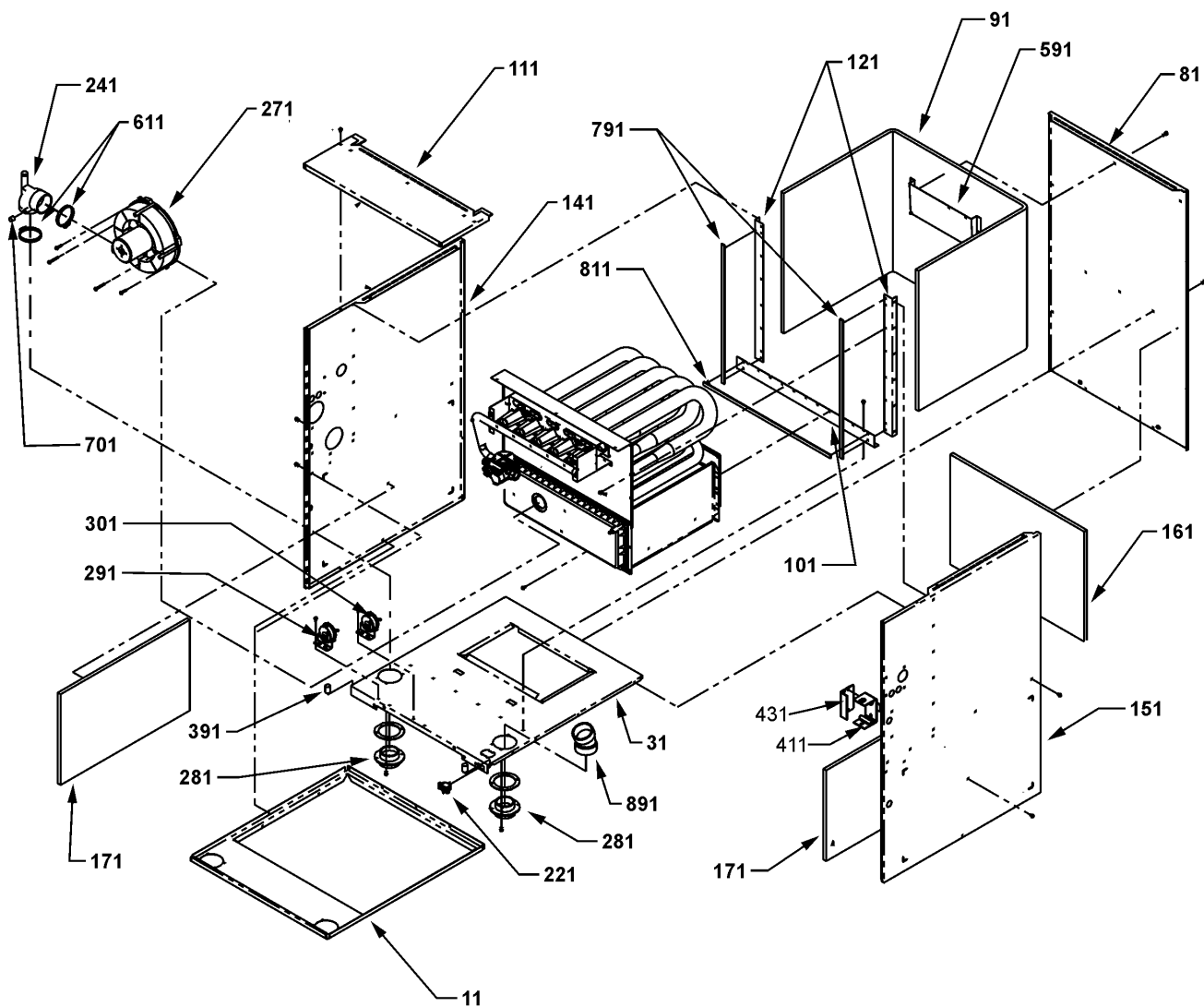
Image 2:

22	D6723311S	BLOWER WHEEL (M10, M11)
32	C6121807	BLOWER CUT-OFF (M10, M11)
42	A4002701	BLOWER MOTOR GROMMET (M10, M11)
82	20175101	BLOWER SIDE RAIL (M10, M11)
142	10441601	MOTOR MOUNT BAND (M10, M11)
152	10441501	MOTOR MOUNT ARM (M10, M11)
162	CAP150000370VAS	CAPACITOR 15/370V (M9, M10, M11)
182	10759415S	BLOWER MOTOR 3/4 HP, 4 SP, 8 PL (M10, M11)
192	0271F00047	BLOWER HOUSING ASSY 11 X 10 (M10, M11)
232	M0221461	TC SCREW (M10, M11)
252	M0267144	MACHINE SCREW (M10, M11)
282	M0282015	KEPS NUT (M10, M11)
402	PCBBF122S	IGNITION BOARD, HSI INTEGRATED 2-STG
462	0121F00025P	CONTROL BRACKET
482	B1141605	TRANSFORMER 120V TO 24V, 40 VA
522	0130F00038	PRIMARY LIMIT - LT BLUE 120° (QTY 2)
NS	0259F00024	WIRE HARNESS-BLOWER

Image 3:

43	A4002702	BLOWER MOTOR GROMMET (M9)
143	C9443702	MOTOR MOUNT BRACKET (M9)
183	10759415S	BLOWER MOTOR 3/4 HP, 4 SP, 8 PL (M9)
233	M0221461	TC SCREW (M9)
253	M0267144	MACHINE SCREW (M9)
283	M0282015	KEPS NUT (M9)

Chassis



Chassis

Ref. Part			Ref. Part		
No:	No:	Description:	No:	No:	Description:
Image 1:			Image 1:		
11	20273508	BASE PAN (M1, M2, M3, M4)	811	20194607	GASKET (M10, M11)
11	20273510	BASE PAN (M5, M6, M7, M8, M9)	891	C6455901	ELBOW-22 1/2 ELL
11	20273512	BASE PAN (M10, M11)	NS	0159F00010	HARNESS-WIRING
31	0121F00044	BLOWER DECK (M1, M2, M3, M4)	NS	0164M00008	HOSE-PRESSURE SW
31	0121F00046	BLOWER DECK (M5, M6, M7, M8, M9)	NS	0164M00010	HOSE-PRESSURE SW (M1, M2, M3, M4)
31	0121F00049	BLOWER DECK (M10, M11)	NS	0164M00011	PRESSURE SWITCH HOSE (M5, M6, M7, M8, M9)
81	20273214	BACK PANEL (M1, M2, M3, M4)	NS	0164M00013	PRESSURE SWITCH HOSE (M10, M11)
81	20273216	BACK PANEL (M5, M6, M7, M8, M9)	Expanded Model Nomenclature		
81	20273218	BACK PANEL (M10, M11)	M1 - GCH950453BXAA M2 - GCH950453BXAB M3 - GCH950703BXAA M4 - GCH950703BXAB M5 - GCH950704CXAA M6 - GCH950704CXAB M7 - GCH950904CXAA M8 - GCH950904CXAB M9 - GCH950904CXAC M10 - GCH950905DXAA M11 - GCH950905DXAB		
91	C6415909	HEAT EXCHANGER INSULATION (M10, M11)			
91	C6415910	HEAT EXCHANGER INSULATION (M1, M2, M3, M4)			
91	C6415911	HEAT EXCHANGER INSULATION (M5, M6, M7, M8, M9)			
101	0121F00018P	DECK RAIL (M1, M2, M3, M4)			
101	0121F00019P	DECK RAIL (M5, M6, M7, M8, M9)			
101	20191303	DECK RAIL (M10, M11)			
111	0270F00103P	TOP COVER ASSY (M1, M2, M3, M4)			
111	0270F00104PS	TOP COVER ASSY (M5, M6, M7, M8, M9)			
111	0270F00105P	TOP COVER ASSY (M10, M11)			
121	20191602	SIDE RAIL (M1, M2, M3, M4)			
121	20191603	SIDE RAIL (M5, M6, M7, M8, M9)			
121	20191604	SIDE RAIL (M10, M11)			
141	0121F00093DG	SIDE PANEL LH			
151	0121F00091DG	SIDE PANEL RH			
161	20006601	INSULATION (M1, M2, M3, M4)			
161	20006602	INSULATION (M5, M6, M7, M8, M9)			
161	20006603	INSULATION (M10, M11)			
171	20006604	SIDE INSULATION (QTY 2)			
221	B1370818	INTERLOCK SWITCH			
241	20171802S	ELBOW			
271	22307501S	ID BLOWER			
281	20049701	FA COUPLING (QTY 2)			
291	0130F00070	PRESSURE SWITCH			
301	0130F00068	PRESSURE SWITCH, GRAY (M3, M4, M7, M8, M9)			
301	0130F00069	PRESSURE SWITCH, OLIVE (M1, M2, M5, M6, M10, M11)			
391	M0275521	PLASTIC SEALER			
411	0161F00004S	JUNCTION BOX			
431	0161F00005S	JUNCTION BOX COVER			
591	11165107	ID BLOWER SHIELD			
611	0163M00049	HOSE CLAMP (QTY 2)			
701	M0326804	TUBE PLUG			
791	20194608	GASKET (QTY 2)			
811	20194605	GASKET (M1, M2, M3, M4)			
811	20194606	GASKET (M5, M6, M7, M8, M9)			

Heat Exchanger / Manifold / Gas Valve

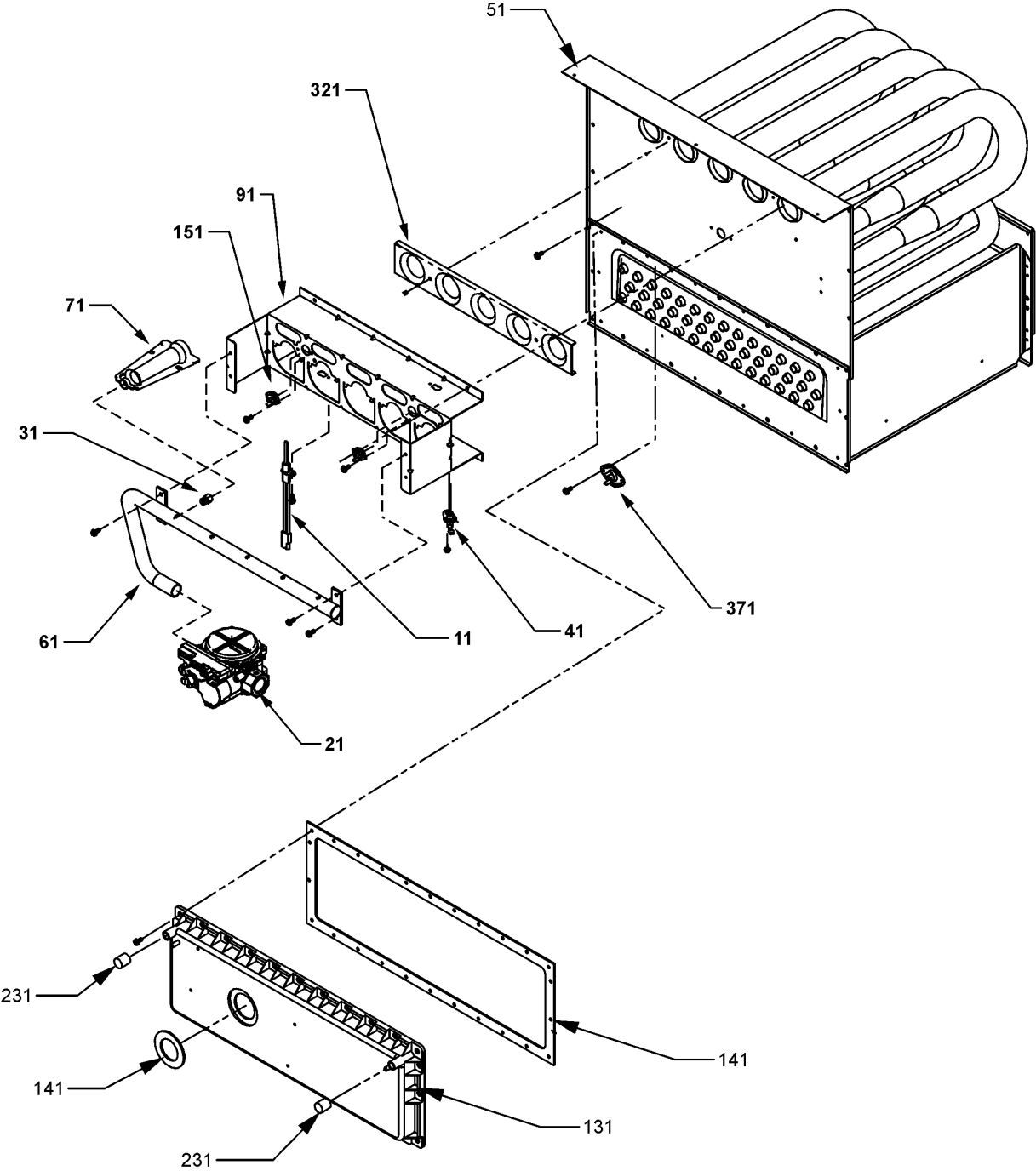
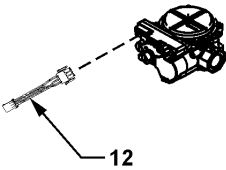


Image 2



Heat Exchanger / Manifold / Gas Valve

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0130F00008S	SINI IGNITOR
21	0151M00014	GAS VALVE - HONEYWELL 2-STAGE (M2, M4, M6, M8, M9, M11)
21	0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE (M1, M3, M5, M7, M10)
31	10716003	ORIFICE (QTY AR)
41	0130F00010	FLAME SENSOR
51	0257F00188	HEAT EXCHANGER ASSY 2B (M1, M2)
51	0257F00191	HEAT EXCHANGER ASSY 3B (M3, M4)
51	0257F00194	HEAT EXCHANGER ASSY 3B (M5, M6)
51	0257F00182	HEAT EXCHANGER ASSY 4B (M7, M8, M9)
51	0257F00185	HEAT EXCHANGER ASSY 4B (M10, M11)
61	20169401	MANIFOLD - 2 BRNR (M1, M2)
61	20169402	MANIFOLD - 3 BRNR (M3, M4, M5, M6)
61	20169403	MANIFOLD - 4 BRNR (M7, M8, M9, M10, M11)
71	10735102S	BECKETT BURNER (QTY AR)
91	20190410	BURNER BRACKET 2B (M1, M2)
91	20190411	BURNER BRACKET 3B (M3, M4, M5, M6)
91	20190412	BURNER BRACKET 4B (M7, M8, M9, M10, M11)
131	20170804AS	FRONT COVER (M1, M2)
131	20170806AS	FRONT COVER (M3, M4)
131	20170905AS	FRONT COVER (M5, M6)
131	20170906A	FRONT COVER (M7, M8, M9)
131	20171005A	FRONT COVER (M10, M11)
141	0154F00000P	COIL GASKET (M1, M2, M3, M4)
141	0154F00001P	COIL GASKET (M5, M6, M7, M8, M9)
141	0154F00002P	COIL GASKET (M10, M11)
151	10123517	MANUAL RESET LIMIT (M1, M2, M3, M4, M5, M6, M10, M11)
151	10123534	MANUAL RESET LIMIT 220°F (M7, M8, M9)
231	A1781105	CAP-VINYL .500 (QTY 2)
321	11072201	ORIFICE SHIELD (M1, M2)
321	11072202	ORIFICE SHIELD (M3, M4, M5, M6)
321	11072203	ORIFICE SHIELD (M7, M8, M9, M10, M11)
371	20162903	PRIMARY LIMIT - BLUE (M7, M8, M9, M10, M11)
371	20162904	PRIMARY LIMIT-TEMPERATURE CONTROL (M1, M2, M3, M4, M5, M6)

Expanded Model Nomenclature

M1 - GCH950453BXAA
M2 - GCH950453BXAB
M3 - GCH950703BXAA
M4 - GCH950703BXAB
M5 - GCH950704CXAA
M6 - GCH950704CXAB
M7 - GCH950904CXAA
M8 - GCH950904CXAB
M9 - GCH950904CXAC
M10 - GCH950905DXAA
M11 - GCH950905DXAB

Image 2:

12	0259M00005	WIRE HARNESS, ADAPTOR (M1, M3, M5, M7, M10)
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