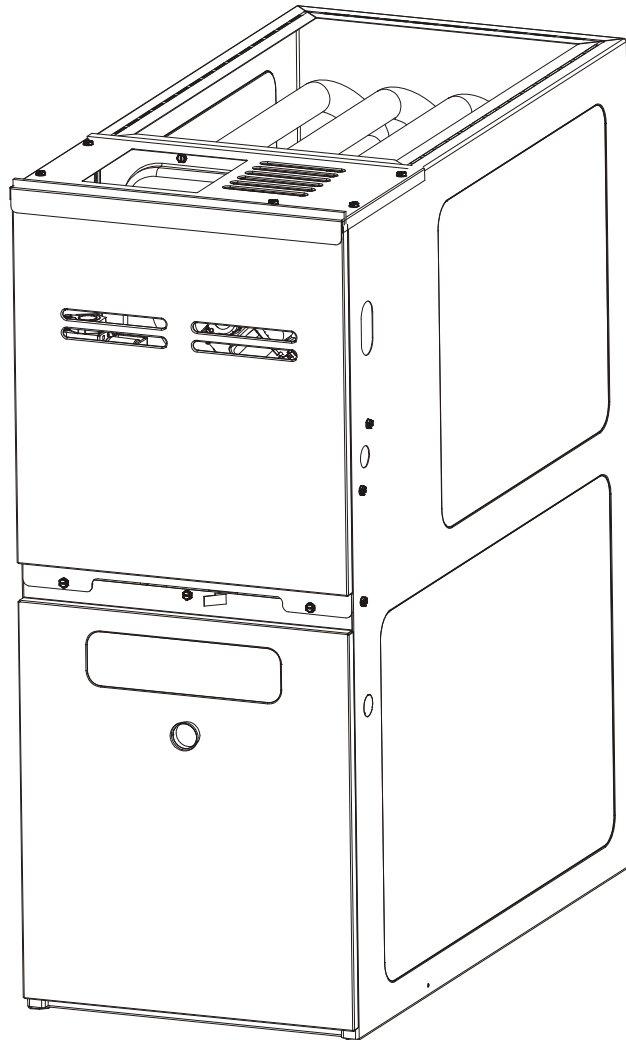


GHS8 80% High Static Furnace

GHS80453AXCA
GHS80453AXCB
GHS80704BXCA
GHS80704BXC
GHS80905CXCA
GHS80905CXC



This manual is to be used by qualified technicians only.

This manual replaces RP-574

© 2009-2010 Goodman Manufacturing Company, L.P. ♦ 5151 San Felipe, Suite 500 ♦ Houston, TX 77056

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 9

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

Revision A: Added "CB" revision models

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:

2539307S	BLOWER HOUSING 10 X 10 (M5, M6)
2539305S	BLOWER HOUSING 10 X 6 (M1, M2)
2539306S	BLOWER HOUSING 10 X 8 (M3, M4)
0131F00022	BLOWER MOTOR 1/2 HP, 4 SP, 6 PL (M1, M2)
20046618S	BLOWER MOTOR 3/4 HP (M3, M4, M5, M6)
B1368000S	BLOWER WHEEL 11 X 10 (M5, M6)
B1368053	BLOWER WHEEL 11 X 6 CW (M1, M2)
B1368054	BLOWER WHEEL 11 X 8 (M3, M4)
CAP200000440RPS	CAPACITOR 20/370V (M1, M2)
CAP250000370RPS	CAPACITOR 25/370V (M3, M4, M5, M6)
0130F00010	FLAME SENSOR
B1282628	GAS VALVE (36G) (M1, M3, M5)
0151M00013	GAS VALVE (HONEYWELL 1 STG) (M2, M4, M6)
PCBBF123S	IGNITION BOARD, HSI INTEGRATED
20165703S	IGNITOR
B4022700	INSHOT BURNER ASSY 3" (QTY AR)
B1370818	INTERLOCK SWITCH
10123529	MANUAL RESET LIMIT (QTY 2)
10716003	ORIFICE (QTY AR)
0130F00042	PRESSURE SWITCH (M1, M2)
B1370158	PRESSURE SWITCH -0.70" WC (M3, M4, M5, M6)
20162903	PRIMARY LIMIT - BLUE (M3, M4)
0130M00063	PRIMARY LIMIT - GOLD 140° (M1, M2, M5, M6)
0130F00038	PRIMARY LIMIT - LT BLUE 120°
B1141605	TRANSFORMER 120V TO 24V, 40 VA
0131M00002S	VENT MOTOR

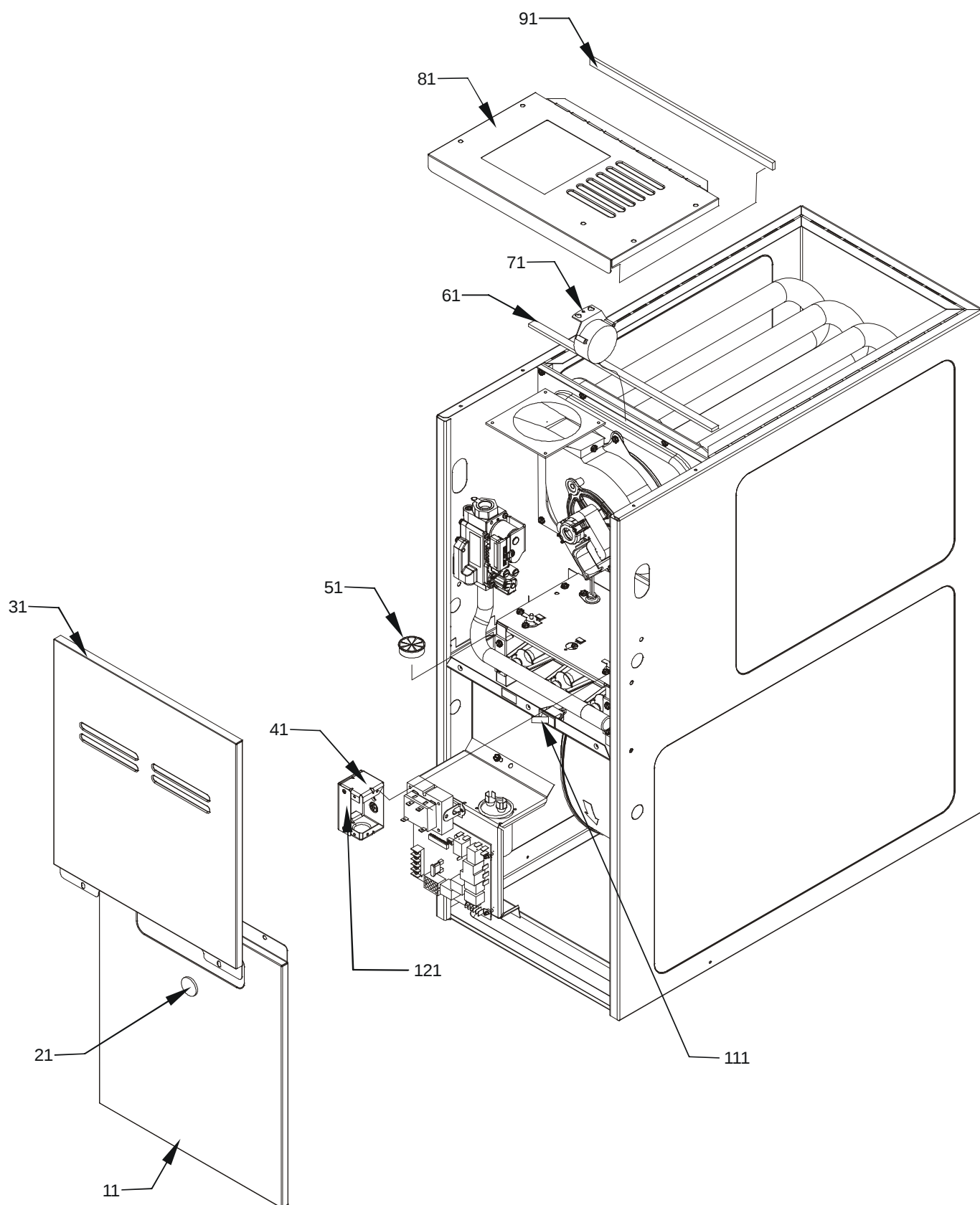
SPECIAL PARTS

0161F00007	GOODMAN NAMEPLATE
HI-115B	HOMEOWNERS INSTRUCTIONS
IO-669	INSTALL-HUMIDIFIER
IO-359D	INSTR, INSTL & OPER

Expanded Model Nomenclature

M1 - GHS80453AXCA M2 - GHS80453AXCB M3 - GHS80704BXCA M4 - GHS80704BXCB M5 - GHS80905CXCA M6 - GHS80905CXCB
--

Cabinet



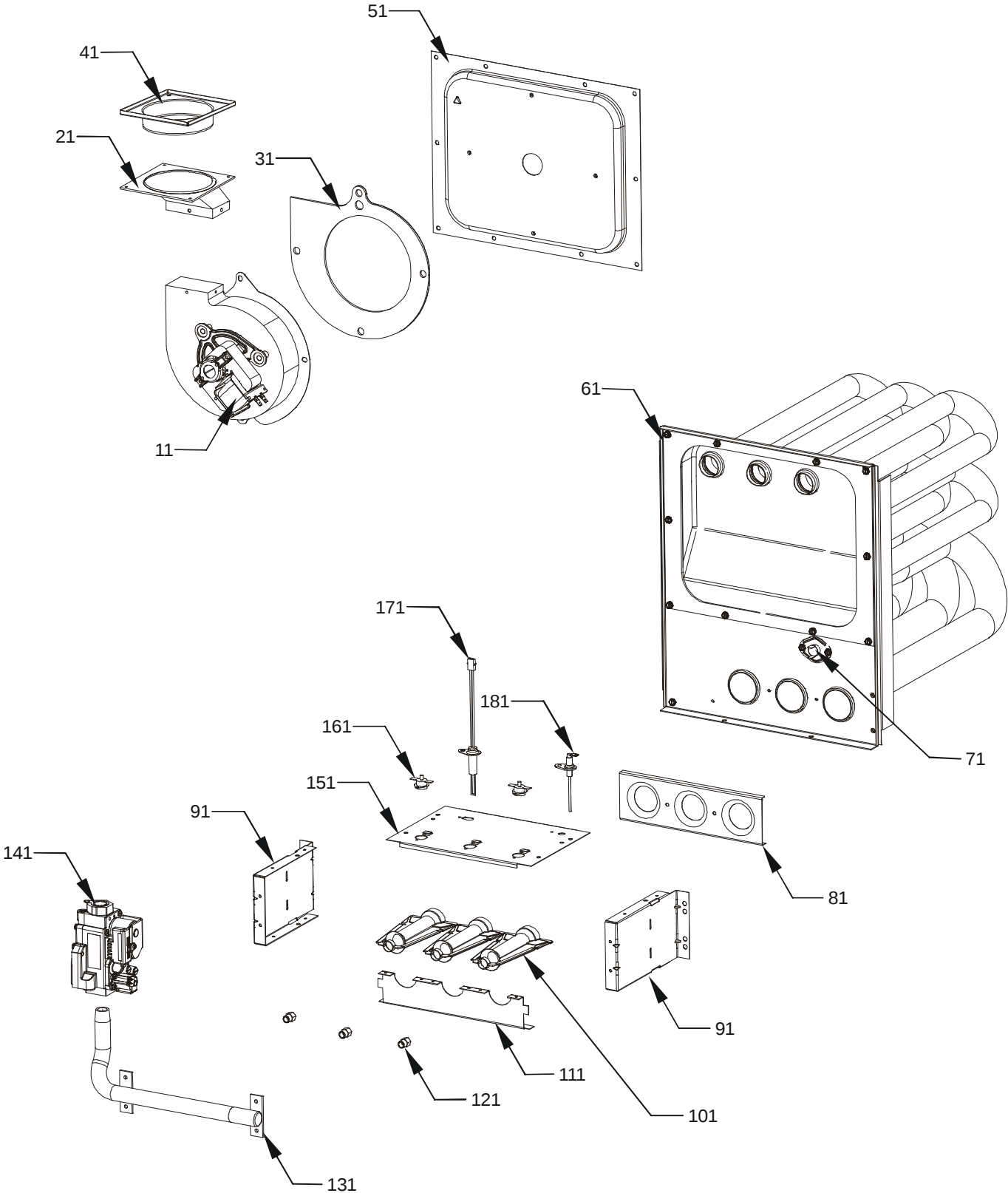
Cabinet

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0121F00122DGS		BLOWER DOOR 14" (M1, M2)
11	0121F00123DGS		BLOWER DOOR 17.5" (M3, M4)
11	0121F00124DGS		DOOR, BLOWER 21" (M5, M6)
21	B1392139		VIEW PORT BUSHING-BLOWER DOOR
31	0121F00118DGS		ACCESS DOOR 14" (M1, M2)
31	0121F00119DGS		ACCESS DOOR 17.5" (M3, M4)
31	0121F00120DGS		ACCESS DOOR 21" (M5, M6)
41	4014502		J-BOX
51	B1392147		UNIVERSAL BUSHING WITH SLICE
61	B13926111		SEAL STRIP, 1/8 X 1/2 X 14 (M1, M2)
61	B13926112		SEAL STRIP, 1/8 X 1/2 X 17.5 (M3, M4)
61	B13926113		SEAL STRIP, 1/8 X 1/2 X 21 (M5, M6)
71	0130F00042		PRESSURE SWITCH (M1, M2)
71	B1370158		PRESSURE SWITCH -0.70" WC (M3, M4, M5, M6)
81	0121F00141DG		TOP 14" (M1, M2)
81	0121F00142DG		TOP 17.5" (M3, M4)
81	0121F00143DG		TOP 21" (M5, M6)
91	B13926111		SEAL STRIP, 1/8 X 1/2 X 14 (M1, M2)
91	B13926112		SEAL STRIP, 1/8 X 1/2 X 17.5 (M3, M4)
91	B13926113		SEAL STRIP, 1/8 X 1/2 X 21 (M5, M6)
111	B1370818		INTERLOCK SWITCH
121	4015502		J-BOX COVER
NS	0259F00054		12-PIN WIRE HARNESS ASSY
NS	0161F00007		GOODMAN NAMEPLATE
NS	0159F00008		IGNITOR WIRE HARNESS ASSY
NS	0270K00015		SOLID BOTTOM 14" CASE (M1, M2)
NS	0270K00016		SOLID BOTTOM 17.5" CASE (M3, M4)
NS	0270K00017		SOLID BOTTOM 21" CASE (M5, M6)
NS	0259F00052		WIRE KIT

Expanded Model Nomenclature

M1 - GHS80453AXCA M2 - GHS80453AXCB M3 - GHS80704BXCA M4 - GHS80704BXCB M5 - GHS80905CXCA M6 - GHS80905CXCB
--

Heat Exchanger Assy



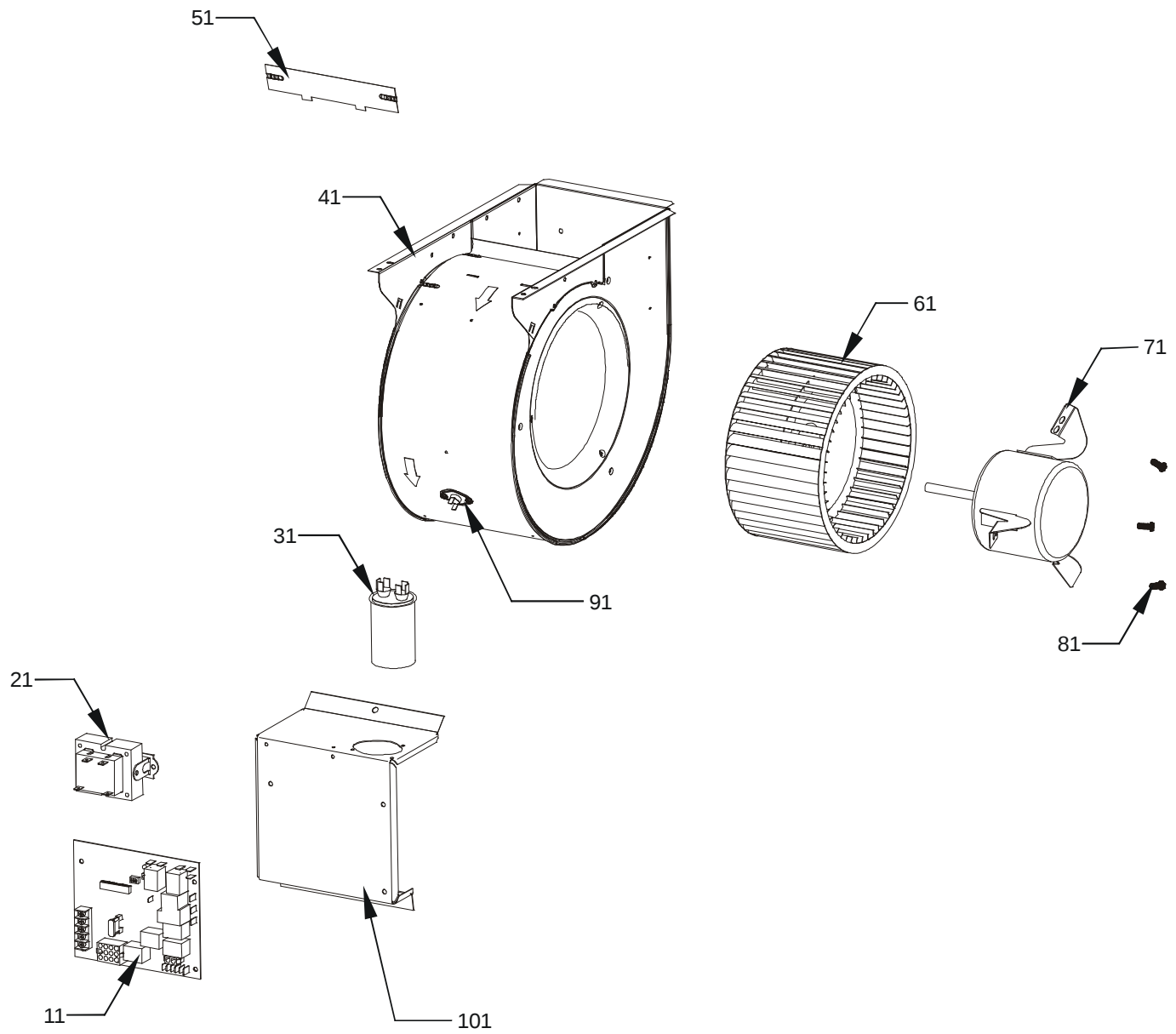
Heat Exchanger Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0131M00002S	VENT MOTOR	
21	0128F00006	CHIMNEY TRANSITION BOTTOM	
31	0154F00003	VENT MOTOR GASKET 14" (M1, M2)	
31	0154F00004	VENT MOTOR GASKET 17.5" (M3, M4)	
31	0154F00005	VENT MOTOR GASKET 21" (M5, M6)	
41	4023500	CHIMNEY TRANSITION TOP	
51	0121F00198	FLUE COLLECTOR BOX KIT 14" 1.75 DIA (M1, M2)	
51	0121F00161	FLUE COLLECTOR BOX KIT 17.5" 2.0 DIA (M3, M4)	
51	0121F00130	FLUE COLLECTOR BOX KIT 21" 2.25 DIA (M5, M6)	
61	0270F00900	HEAT EXCHANGER ASSY (M1, M2)	
61	0270F00929	HEAT EXCHANGER ASSY (M3, M4)	
61	0270F00930	HEAT EXCHANGER ASSY (M5, M6)	
71	20162903	PRIMARY LIMIT - BLUE (M3, M4)	
71	0130M00063	PRIMARY LIMIT - GOLD 140° (M1, M2, M5, M6)	
81	4028000	ORIFICE SHIELD 2 CELL (M1, M2)	
81	4028001	ORIFICE SHIELD 3 CELL (M3, M4)	
81	4028002	ORIFICE SHIELD 4 CELL (M5, M6)	
91	0121F00146	BURNER BOX SIDE (QTY 2)	
101	B4022700	INSHOT BURNER ASSY 3" (QTY AR)	
111	0121F00167	BURNER BRACKET 2B (M1, M2)	
111	0121F00168	BURNER BRACKET 3B (M3, M4)	
111	0121F00169	BURNER BRACKET 4B (M5, M6)	
121	10716003	ORIFICE (QTY AR)	
131	0120F00006	MANIFOLD (M1, M2)	
131	0120F00017	MANIFOLD (M3, M4)	
131	0120F00018	MANIFOLD (M5, M6)	
141	B1282628	GAS VALVE (36G) (M1, M3, M5)	
141	0151M00013	GAS VALVE (HONEYWELL 1 STG) (M2, M4, M6)	
151	0121F00162	BURNER BOX TOP 2 CELL (M1, M2)	
151	0121F00163	BURNER BOX TOP 3 CELL (M3, M4)	
151	0121F00164	BURNER BOX TOP 4 CELL (M5, M6)	
161	10123529	MANUAL RESET LIMIT (QTY 2)	
171	20165703S	IGNITOR	
181	0130F00010	FLAME SENSOR	

Expanded Model Nomenclature

M1 - GHS80453AXCA M2 - GHS80453AXCB M3 - GHS80704BXCA M4 - GHS80704BXC M5 - GHS80905CXCA M6 - GHS80905CXC
--

Blower and Control Panel



Blower and Control Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	PCBBF123S		IGNITION BOARD, HSI INTEGRATED
21	B1141605		TRANSFORMER 120V TO 24V, 40 VA
31	CAP200000440RPS		CAPACITOR 20/370V (M1, M2)
31	CAP250000370RPS		CAPACITOR 25/370V (M3, M4, M5, M6)
41	2539307S		BLOWER HOUSING 10 X 10 (M5, M6)
41	2539305S		BLOWER HOUSING 10 X 6 (M1, M2)
41	2539306S		BLOWER HOUSING 10 X 8 (M3, M4)
51	764741F		BLOWER BLOCK-OFF 10 X 10 (M5, M6)
51	764740F		BLOWER BLOCK-OFF 10 X 8 (M3, M4)
51	764739		BLOWER CUT-OFF 10 X 6 (M1, M2)
61	B1368000S		BLOWER WHEEL 11 X 10 (M5, M6)
61	B1368053		BLOWER WHEEL 11 X 6 CW (M1, M2)
61	B1368054		BLOWER WHEEL 11 X 8 (M3, M4)
71	0131F00022		BLOWER MOTOR 1/2 HP, 4 SP, 6 PL (M1, M2)
71	20046618S		BLOWER MOTOR 3/4 HP (M3, M4, M5, M6)
81	M0250558		TC SCREW (QTY 3)
91	0130F00038		PRIMARY LIMIT - LT BLUE 120°
101	1815817		CONTROL MOUNT PANEL

Expanded Model Nomenclature

M1 - GHS80453AXCA M2 - GHS80453AXCB M3 - GHS80704BXCA M4 - GHS80704BXC M5 - GHS80905CXCA M6 - GHS80905CXC
--

THIS PAGE INTENTIONALLY LEFT BLANK