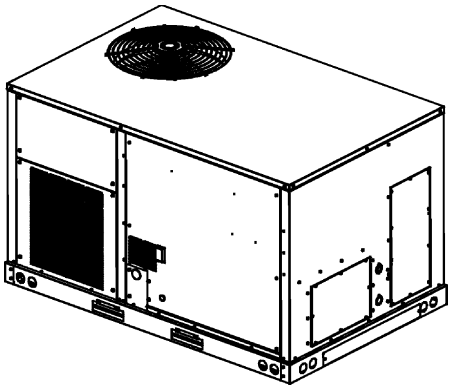
Goodman®

REPAIR PARTS

GPGM5 Residential Package Gas Unit

GPGM56014031AA



This manual is to be used by qualified technicians only.

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Important Information

Index

Functional Parts List 3

Illustration and Parts ..... 4 - 15

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

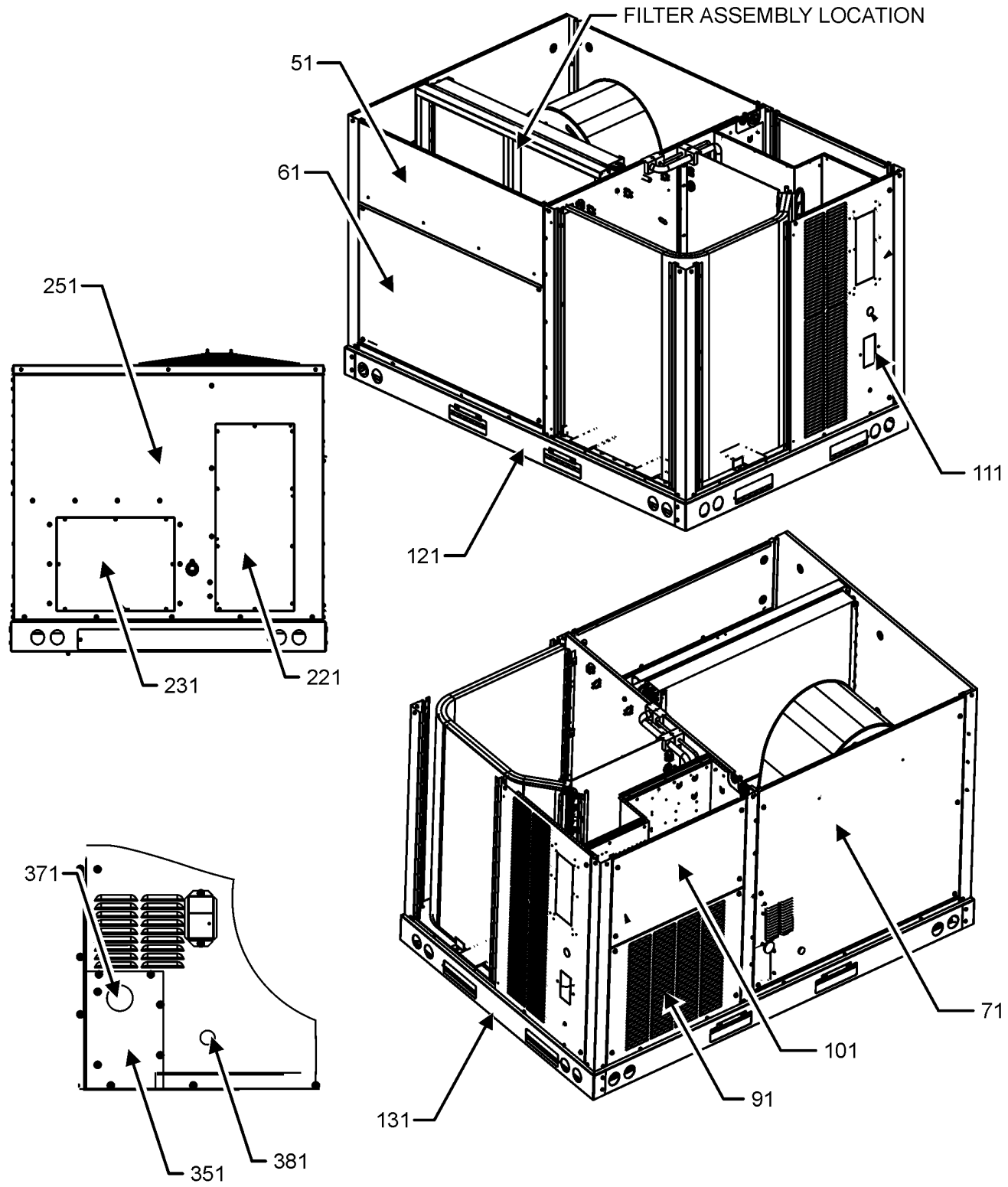
Part No:	Description:
0163F00017	BECKETT BURNER (QTY 6)
10625733	BLADE-FAN 22" ALUM CCW
YPS51K1TPFVASC	COMPRESSOR
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24VAC
0130M00178	DPDT RELAY 24VAC (QTY 3)
0130M00962	FLAME SENSOR
0130M00583	FREEZE STAT
0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE
20261709	IGNITOR
0130F00067	LIMIT, PRIMARY
20162904	LIMIT-BROWN
10123532	LIMIT-RESET MAN-GRAY
0131M00804	MOTOR, ECM
PCBCM301V0001	PCB CONTROL CIR HANDLER
PCBAG123	PCB, IGNITION, DSI, INTEG
0131L00685	PROGRAM, MOTOR
10135604	RELAY
SER2A08012	SENSATA R32 SENSOR
0130M00730	SWITCH, HIGH PRESSURE
0130M00732	SWITCH, LOW PRESSURE
11112501	SWITCH-PRESSURE
0130M00859	TRANSFORMER

Expanded Model Nomenclature

M1 - GPGM56014031AA

CABINET ASSEMBLY

CABINET ASSEMBLY



BURNER DOOR DETAIL

CABINET ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

CABINET ASSEMBLY

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:

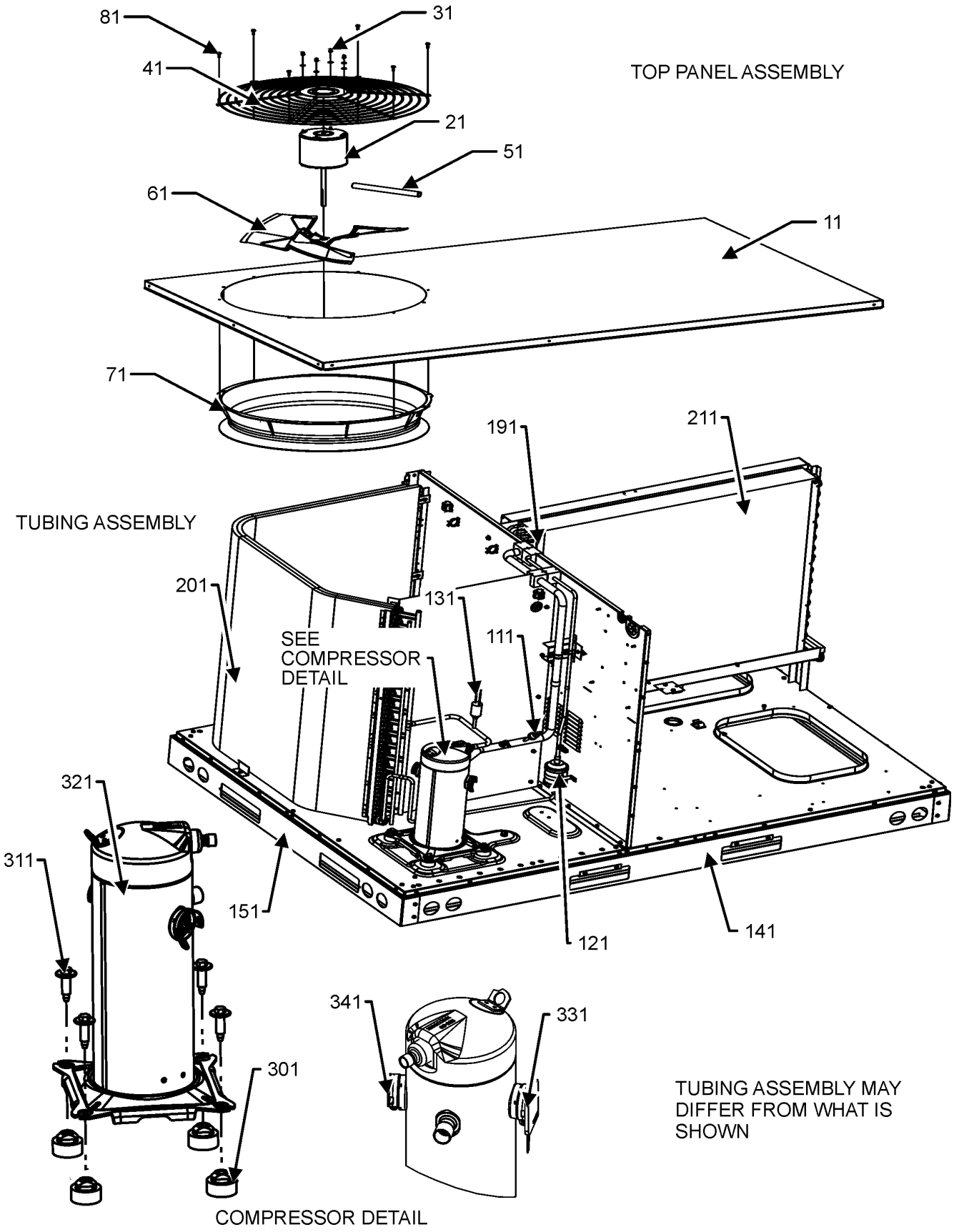
Image 1:

51	0121L01650DG	PAINTED FILTER PANEL
61	0121L01651DG	PAINTED ECONOMIZER PANEL
71	0121L03627DG	PAINTED, PANEL GAS BLOWER
91	0121L02265DG	PAINTED COMPRESSOR PANEL
101	0121L02262DG	PAINTED CONTROL BOX PANEL
111	0121L03643DG	PNT., COMPRESSOR BACK PANEL
121	0121L04850	RAIL, SIDE (QTY 2)
131	0121L01621	END RAIL
221	0121L02910DG	PAINTED COVER-DUCT RETURN
231	0121L02911DG	PAINTED COVER-DUCT SUPPLY
251	0121L05126DG	PAINTED BACK PANEL
351	0121L03443DG	PAINTED, GAS INLET PANEL
371	B1910010	GROMMET, GAS LINE
381	B1392139	VIEW PORT BUSHING, CLEAR 1.0
NS	0270L01444	ASSSY FILTER HOLDER
NS	0121L03931	HEAT EXCHANGER FLASHING
NS	0121L01654DG	PAINTED, HAIL GUARD PANEL
NS	0121L01655DG	PAINTED, HAIL GUARD PANEL

Expanded Model Nomenclature

M1 - GPGM56014031AA

TOP PANEL AND TUBING ASSEMBLY



TOP PANEL AND TUBING ASSEMBLY

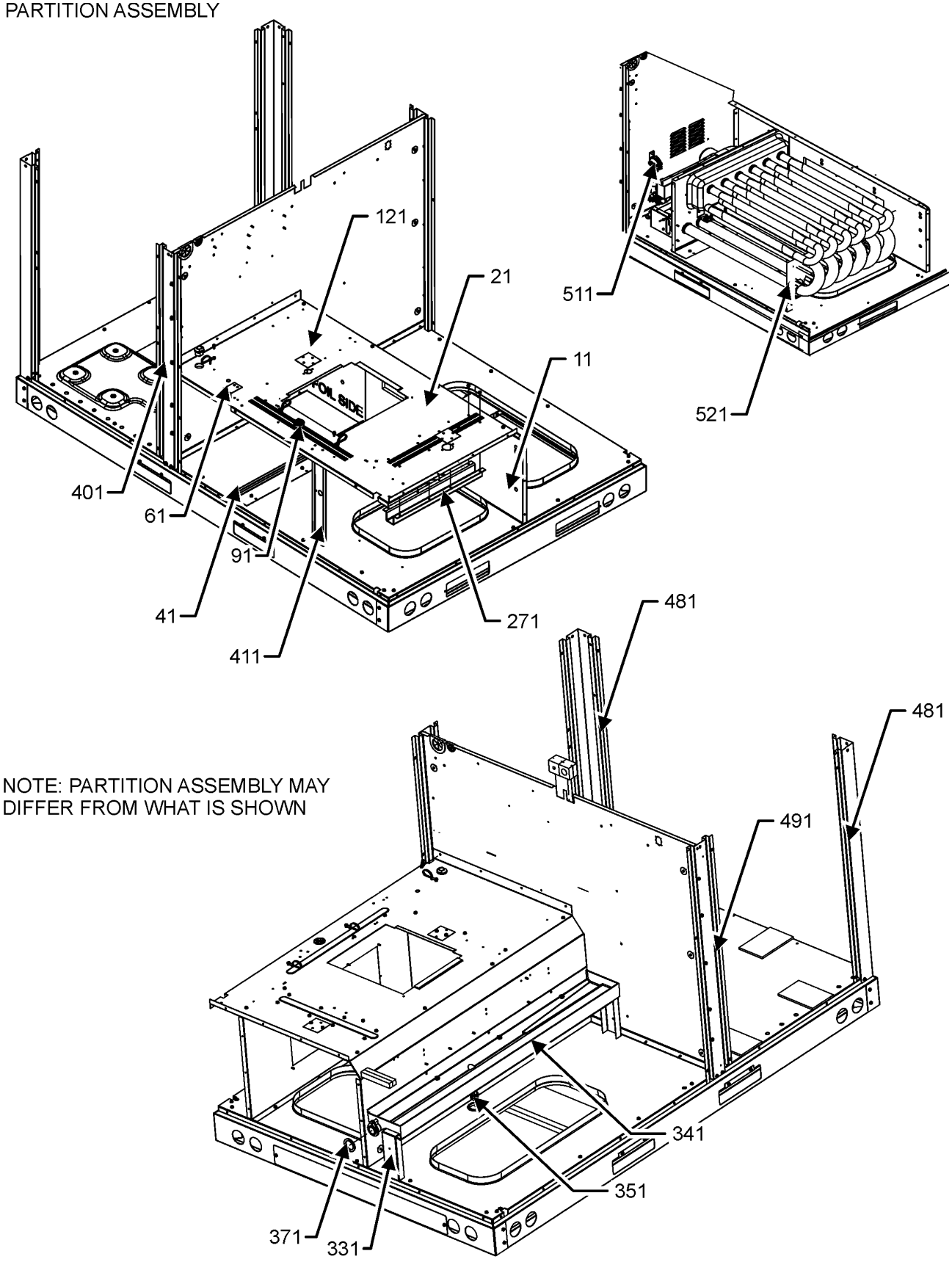
Ref. No:	Part No:	Description:
Image 1:		
11	0121L01626SB	PAINTED, TOP PANEL
21	0131M00804	MOTOR, ECM
31	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)
41	0152G00000	FAN GRILLE, RAISED
51	0161R00124	CONDUIT
61	10625733	BLADE-FAN 22" ALUM CCW
71	0161R00048	MOLDED RING-VENTURI 22
81	0163M00004	SCREW #10X3/4", BLACK (QTY 8)
111	0130M00732	SWITCH, LOW PRESSURE
121	0162R00056	FILTER/DRIER-BI-FLOW
131	0130M00730	SWITCH, HIGH PRESSURE
141	0121L04850	RAIL, SIDE (QTY 2)
151	0121L01621	SMALL END RAIL
191	0130M00583	FREEZE STAT
201	0201L01028	ASSY., OD COIL TUBING
211	0202L00722	EVAP TUBING ASSEMBLY
301	B1339533	COMPRESSOR GROMMET (QTY 4)
311	B1393740	COMP. BOLT & SLEEVE (QTY 4)
321	YPS51K1TPFVASC	COMPRESSOR
331	0159L00027	COMPRESSOR SCROLL HARNESS
341	0159G00010	CABLE, COMPR SCROLL
NS	0141L00003X	BOARD-FORK (QTY 2)
NS	0251L00244	EXPANSION VALVE ASSEMBLY
NS	0121L03516	PNL, BRACKET, FORK BOARD (QTY 4)
NS	0163M00005P	WASHER, BLACK (.50 OD .218ID) (QTY 4)

Expanded Model Nomenclature

M1 - GPGM56014031AA

PARTITION ASSEMBLY

PARTITION ASSEMBLY



NOTE: PARTITION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

PARTITION ASSEMBLY

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:

Image 1:

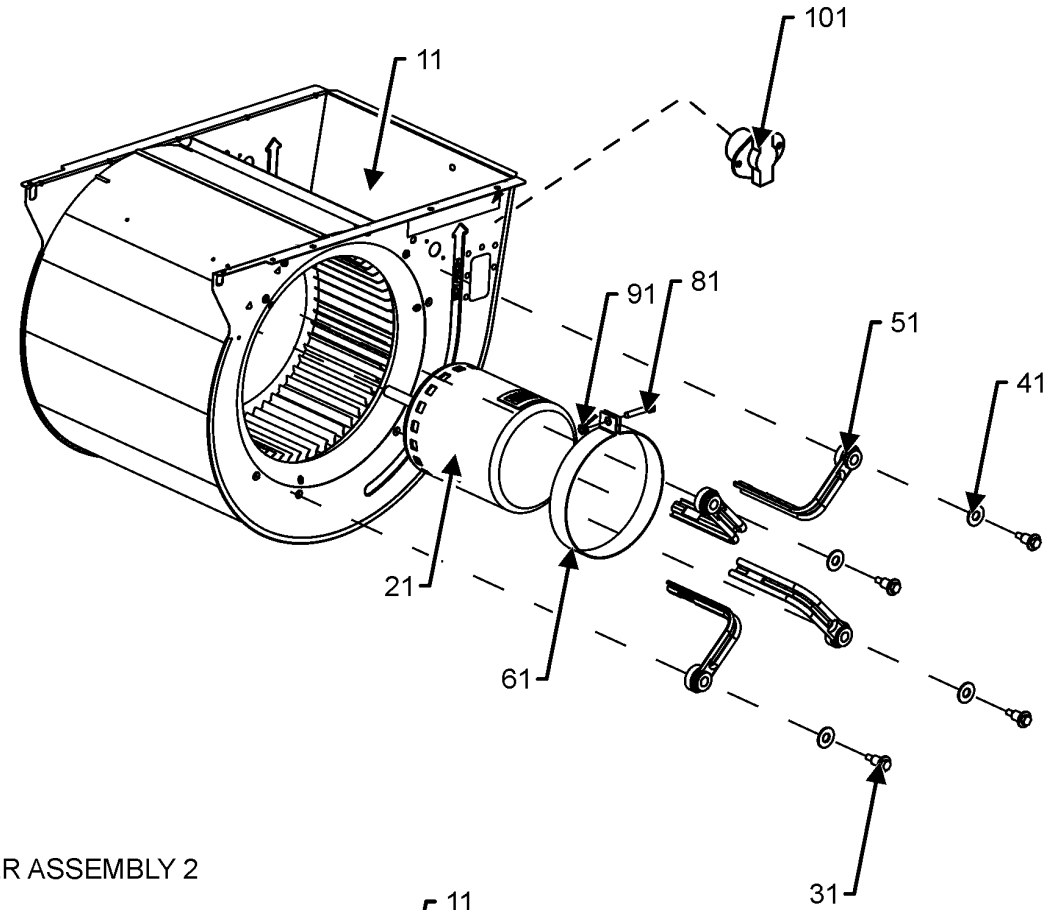
11	0121L05686	SIDE, BLOWER DECK
21	0121L05160	PANEL, BLOWER DECK
41	0121L00266	CHANNEL-HEAT PANEL (QTY 2)
61	0121L01709	BLOWER DECK PLATE
91	B1392147	UNIVERSIAL BUSHING WITH SLICE
121	0121L00321	COVER-SMOKE DETECTOR (QTY 2)
271	0121L02633	BLOWER DECK U-BRACKET
331	0121L01628	DRAINPAN SUPPORT
341	0161L00007	DRAIN PAN, EVAPORATOR 3-5 TON
351	0163L00071	PLUG, DRAIN
371	0154L00180	GASKET, DRAIN PAN
401	0121L04308DG	PAINTED, SIDE POST
411	0121L00300	POST-DECK SUPPORT
481	0121L01625DG	PAINTED CORNER POST (QTY 2)
491	0121L03445DG	PAINTED SIDE POST
511	11112501	SWITCH-PRESSURE
521	0121L03320	BRACKET, TUBE SUPPORT
NS	0121L00293	ANGLE-HEAT EXCHANGER BACK (QTY 2)
NS	0121L02900	BLOWER SIDE PLATE
NS	0121L03125	BRACKET, TUBE (QTY 6)
NS	0121L02935	BRACKET, TUBE SUPPORT
NS	0164M00111	GROMMET-D
NS	0164G00005	GROMMET-HORSESHOW 1.675
NS	0121L01811	HORIZONTAL SUPPORT (QTY 2)
NS	0121L04896	OD COIL BLOCKOFF ANGLE
NS	0121L04021	SIDE SUPPORT (QTY 2)

Expanded Model Nomenclature

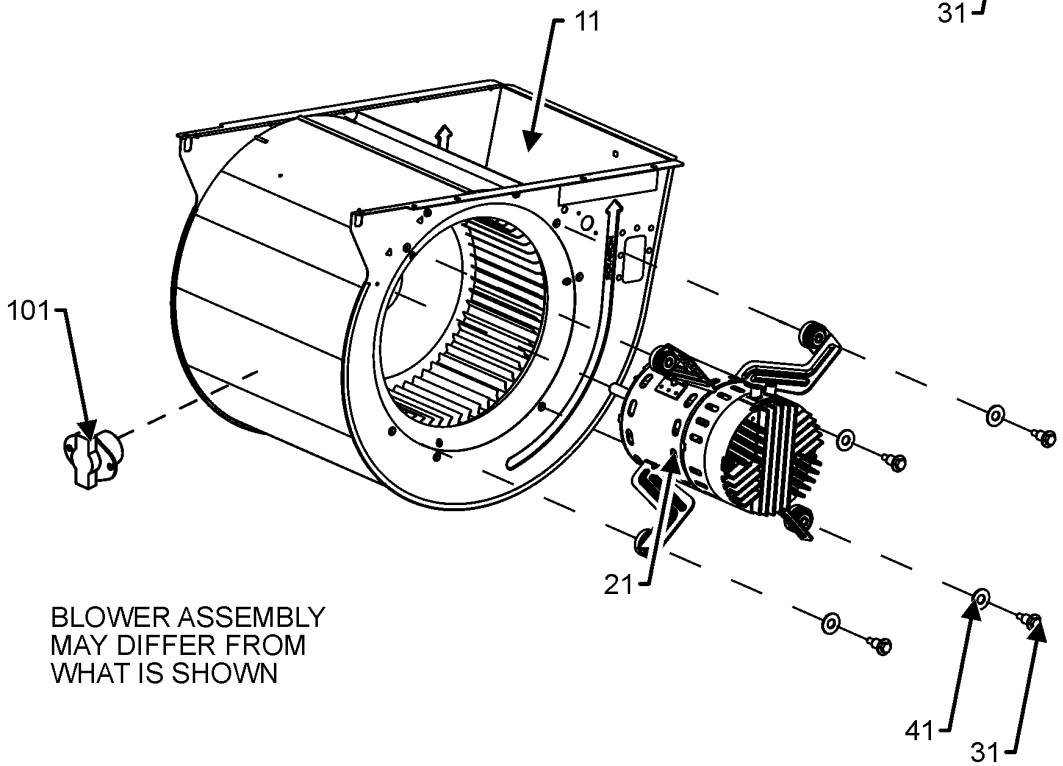
M1 - GPGM56014031AA

BLOWER ASSEMBLY

BLOWER ASSEMBLY 1



BLOWER ASSEMBLY 2



BLOWER ASSEMBLY
MAY DIFFER FROM
WHAT IS SHOWN

BLOWER ASSEMBLY

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:

Image 1:

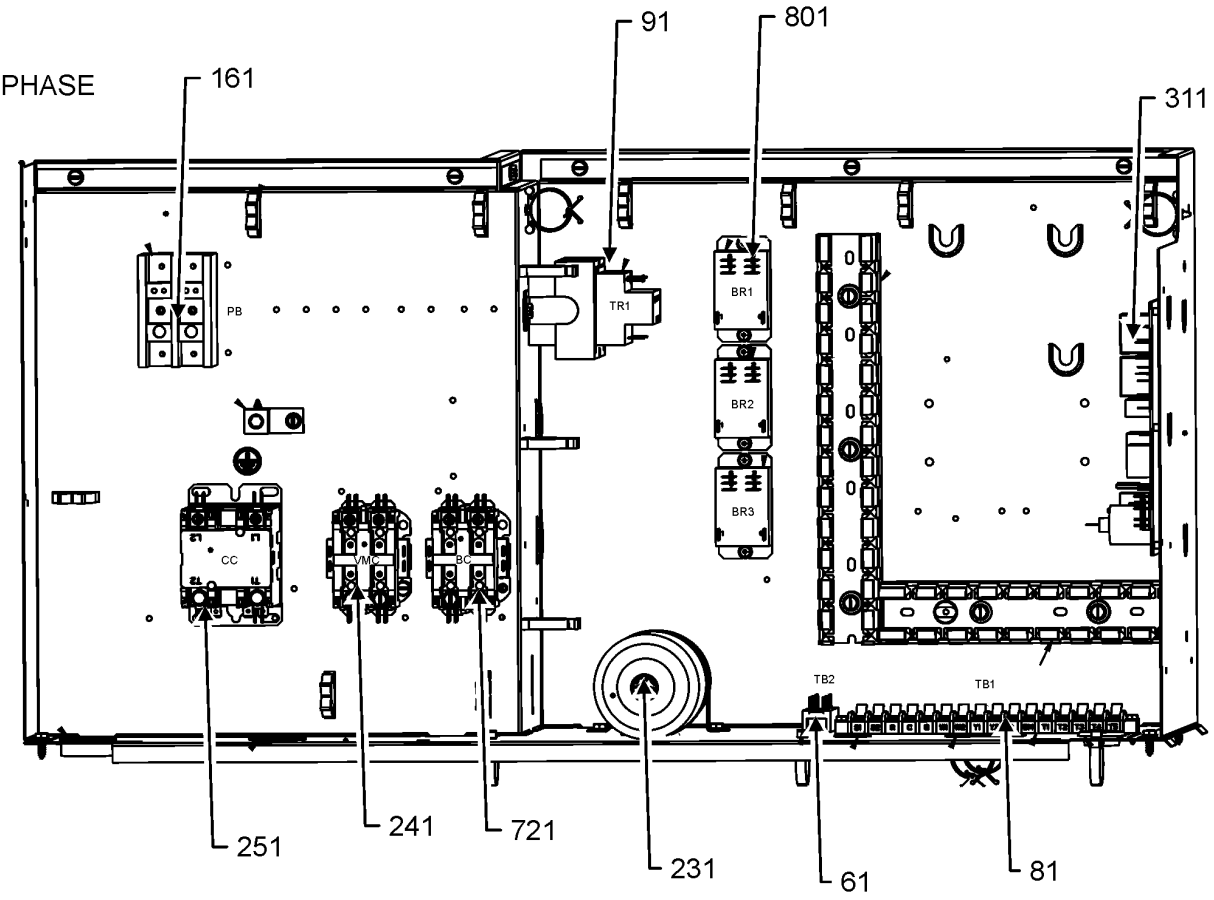
11	0271L00133	ASSY., HOUSING, BLWR
21	0131L00685	PROGRAM, MOTOR
31	M0250565	SCREW-TC 1.25" (QTY 4)
41	B1392918	WASHER, FLAT 1/4 ID X 1 OD (QTY 4)
51	0163A00008	MOTOR MOUNTING ARM (QTY 4)
61	10441601	BAND-MTR MOUNT
81	0163M00320	HEX HEAD ALL THREAD TAP BOLT
91	B1393800	LOCKNUT, NYLON, INSERT 1/4,20
101	20162904	LIMIT-BROWN

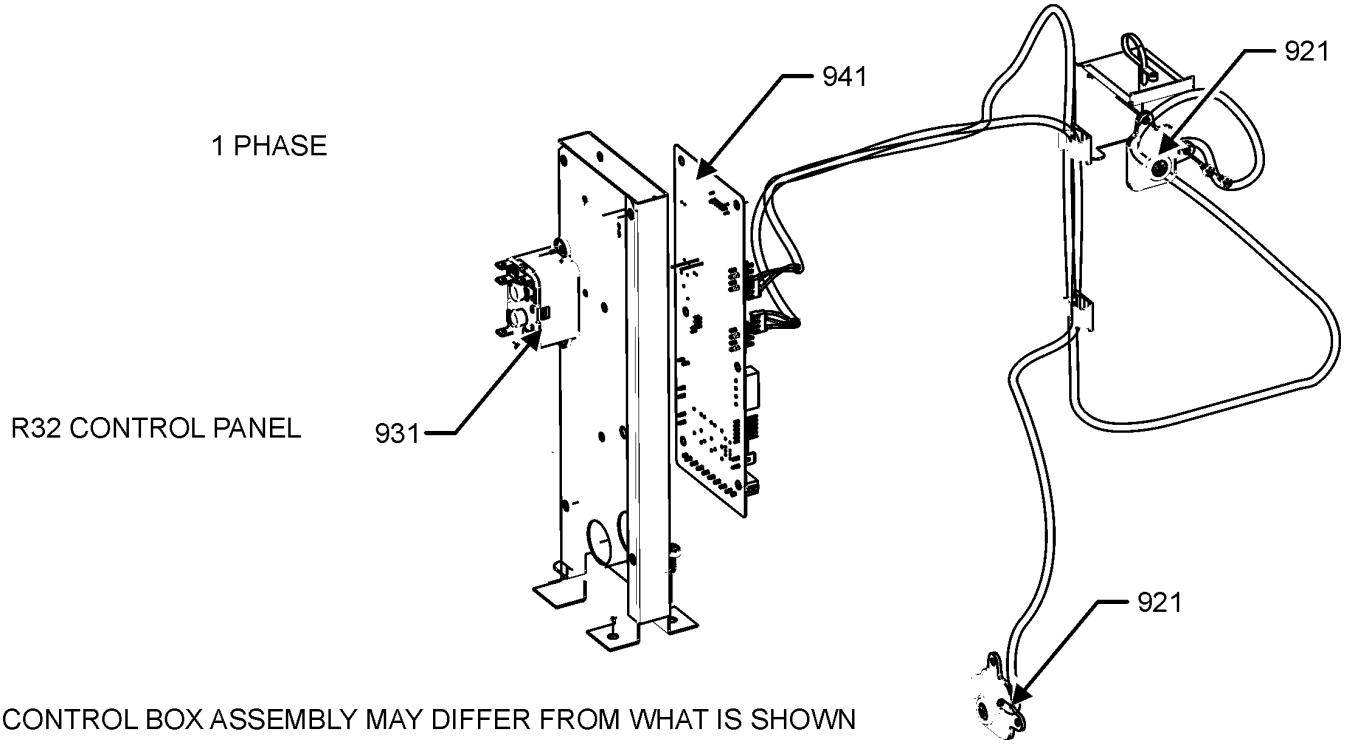
Expanded Model Nomenclature

M1 - GPGM56014031AA

CONTROL BOX ASSEMBLY

CONTROL BOX ASSEMBLY





CONTROL BOX ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

CONTROL BOX ASSEMBLY

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:

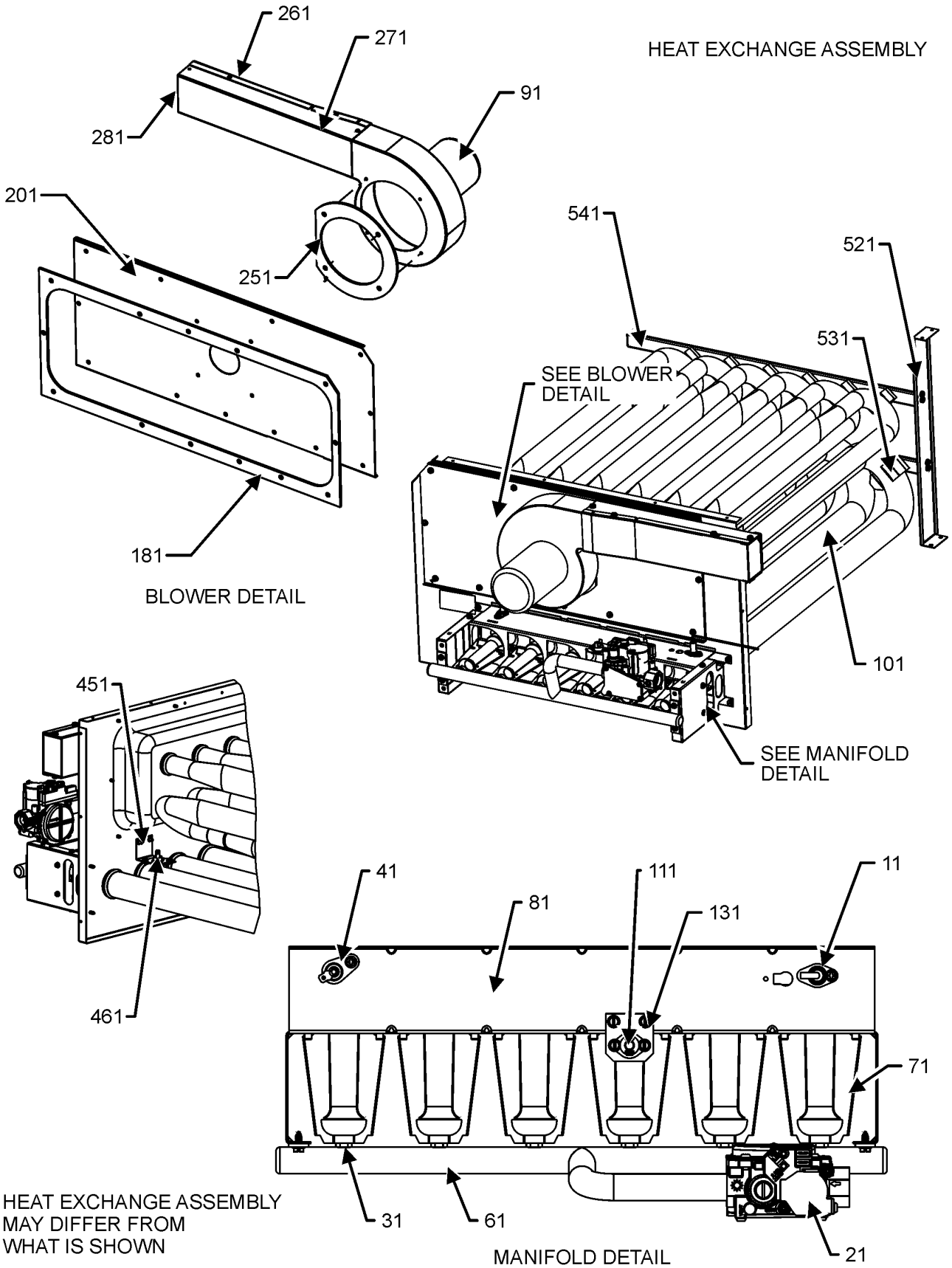
Image 1:

61	802007090	TERM BOARD
81	0130M00038	TERMINAL BOARD
91	0130M00859	TRANSFORMER
161	0130M00510	BLOCK, POWER
231	CAP400000440CS	CAP,40MFD/440V/SINGLERD
241	CONT2P040024D	CONT, 2 POLE, 40 AMP, 24VAC
251	CONT2P040024D	CONT, 2 POLE, 40 AMP, 24VAC
311	PCBAG123	PCB, IGNITION, DSI, INTEG
721	CONT2P040024D	CONT, 2 POLE, 40 AMP, 24VAC
801	0130M00178	DPDT RELAY 24VAC (QTY 3)
921	SER2A08012	SENSATA R32 SENSOR
931	10135604	RELAY
941	PCBCM301V0001	PCB CONTROL CIR HANDLER
NS	0164M00079	BOOT-CAPACITOR, ROUND
NS	0130M00507	MOTOR POWER HARNESS
NS	20520901	STRAP-CAPACITOR (QTY 6)
NS	0259L02254	WIRE HARNESS ASSY.
NS	0259L02255	WIRE HARNESS ASSY.

Expanded Model Nomenclature

M1 - GPGM56014031AA

HEAT EXCHANGE ASSEMBLY



HEAT EXCHANGE ASSEMBLY

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:

Image 1:

11	20261709	IGNITOR
21	0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE
31	0163F00018	ORIFICE (QTY 6)
41	0130M00962	FLAME SENSOR
61	0163L00025	MANIFOLD-GAS, 6 BURNER
71	0163F00017	BECKETT BURNER (QTY 6)
81	0121L01363	BRACKET, BURNER 6
91	0131L00002	VENT MOTOR
101	0270L01360	ASSY, PANEL, PARTITION/TUBE, 6
111	10123532	LIMIT-RESET MAN-GRAY
131	0121L00053	BRACKET-FLAME ROLLOUT
181	0154L00007	GASKET, BLOWER/ORIFICE PLATE
201	0121L03552	PLATE, ID BLOWER
251	0154L00007	GASKET, BLOWER/ORIFICE PLATE
261	0121L01355	FLUE CHANNEL
271	0121L01356	FLUE SIDE COVER
281	0163L00072	SCREEEN-FLUE
451	0121L03948	BRACKET, PRIMARY LIMIT
461	0130F00067	LIMIT, PRIMARY
521	0121L03320	BRACKET, TUBE SUPPORT
531	0121L03125	BRACKET, TUBE (QTY 6)
541	0121L02935	BRACKET, SUPPORT, TUBE

Expanded Model Nomenclature

M1 - GPGM56014031AA