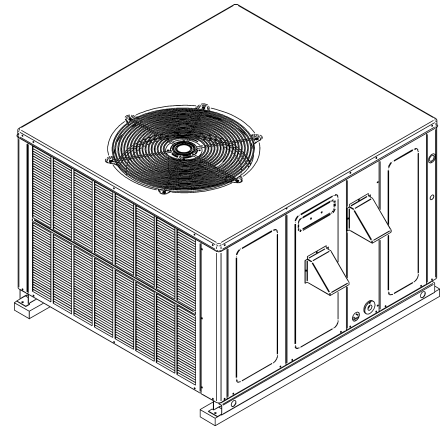




REPAIR PARTS

GPGM5 Residential Package Gas Unit

GPGM52406031AA
GPGM53008031AA
GPGM53608031AA
GPGM54210031AA
GPGM54810031AA



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 - 13

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

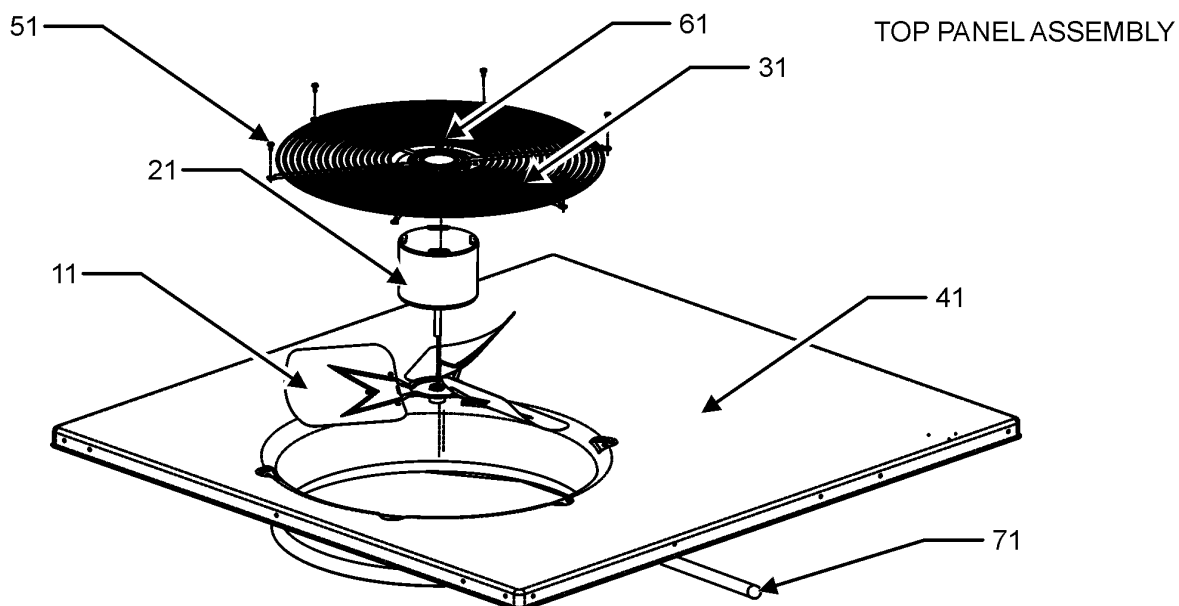
No: Description:

0150G00003	BLADE, FAN 26 SWEPT WING (M3, M4, M5)
B1368000	BLOWER WHEEL (11 X 10) (M3, M4, M5)
CAB050350440CS	CAP, 5/35 MFD/440V RD - BPRF
YPS35K1TPFVASC	COMPRESSOR (M4)
YPS26K1TPFVASE	COMPRESSOR (M2)
YPS40K1TPFVASC	COMPRESSOR (M5)
YPS20K1TPFVASE	COMPRESSOR (M1)
YPS29K1TPFVASE	COMPRESSOR (M3)
CONT1P030024D	CONT, 1 POLE, 30 AMP, 24VAC (M1, M2)
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24VAC (M3, M5)
0131M00747M	CONTROLLERLESS MOTOR (M3, M4, M5)
0131M00750M	CONTROLLERLESS MOTOR (M1, M2)
0150G00002	FAN BLADE SWP/W (M2)
0150M00008	FAN BLADE, 22" TNT2203-25 (M1)
0130F00010	FLAME SENSOR
0151F00000P	GAS VALVE
0130M20009	HIGH PRESSURE SWITCH
0130F00014	IGNITOR
10728342	LIMIT SWITCH (M2, M3)
10728344	LIMIT SWITCH (M4, M5)
10123532	LIMIT-RESET MAN-GRAY (M2)
10123529	LIMIT-RESET MAN-GREEN (M1, M3, M4, M5)
0131M00847	MOTOR, 1/4 HP, 1 SP, 6 PL (M3, M4, M5)
0131M00836	MOTOR, 1/4HP,1SP,8PL,AL (M2)
0131M00979	MOTOR, 1/6 HP, 1SP, 8PL,AL (M1)
0131G00001	MOTOR, ID BLOWER
PCBCM301V0001	PCB CONTROL AIR HANDLER
PCBAG127	PCB IGNITION DSI 2 STG
11112501	PRESSURE SWITCH
0131G20012	PROGRAMMED CONTROLLER (M3)
0131G20011	PROGRAMMED CONTROLLER (M2)
0131G20013	PROGRAMMED CONTROLLER (M4)
0131G20014	PROGRAMMED CONTROLLER (M5)
0131G20010	PROGRAMMED CONTROLLER (M1)
SER2A08012	SENSATA R32 SENSOR
0130G00033	SWITCH, HIGH LIMIT, ULN (M1)
0130M00138	TRANSFORMER 208/230 24V
0151G20001	VALVE, TXV (M2)
0151G20000	VALVE, TXV (M1)
0151G20002	VALVE, TXV (M3)
0151G20003	VALVE, TXV (M4)
0151G20004	VALVE, TXV (M5)
B1368016	WHEEL, BLOWER, 10X8 (M1)
D6723303	WHEEL-BLOWER (M2)

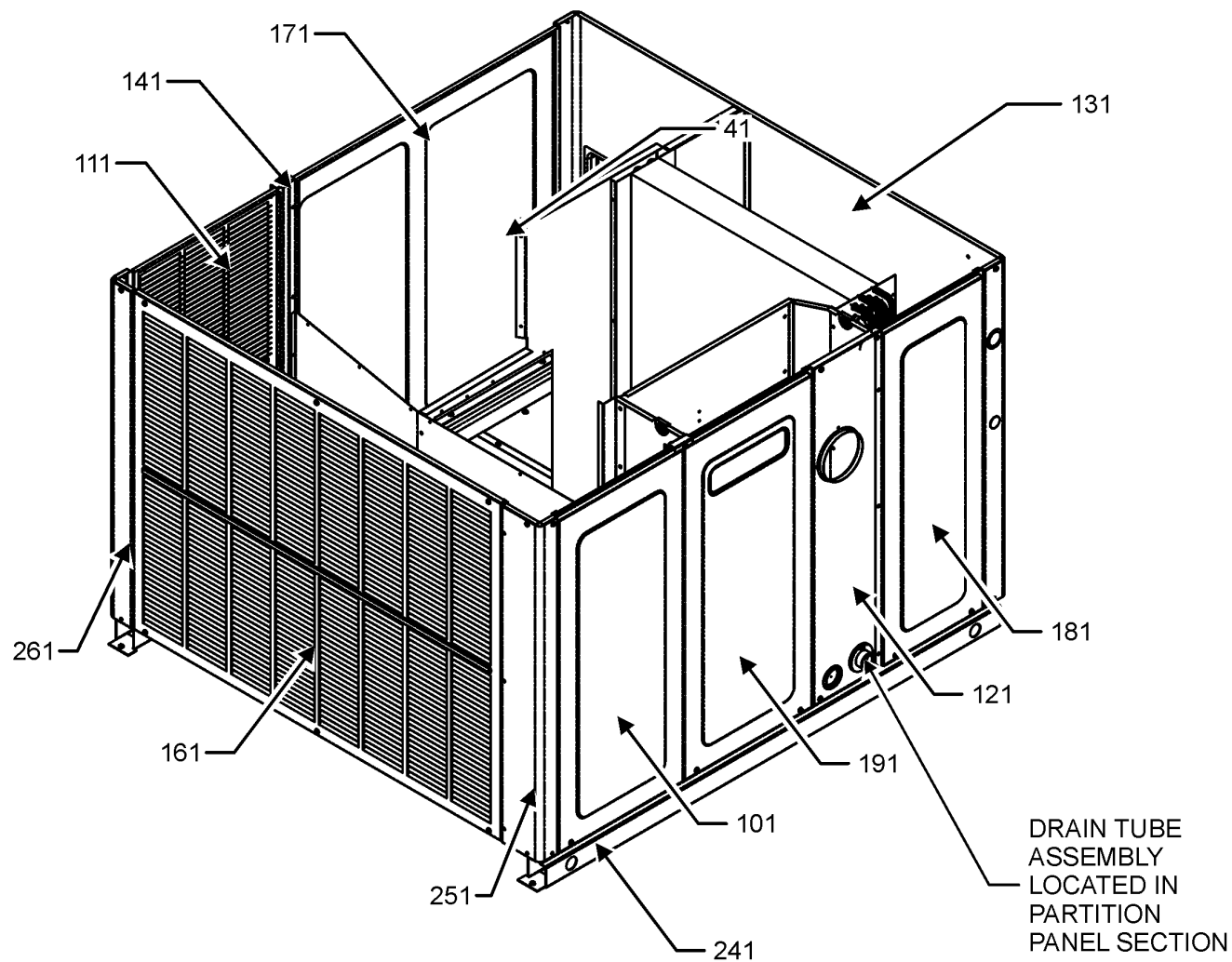
Expanded Model Nomenclature

M1 - GPGM52406031AA
M2 - GPGM53008031AA
M3 - GPGM53608031AA
M4 - GPGM54210031AA
M5 - GPGM54810031AA

Top Panel and Cabinet Assembly



CABINET ASSEMBLY



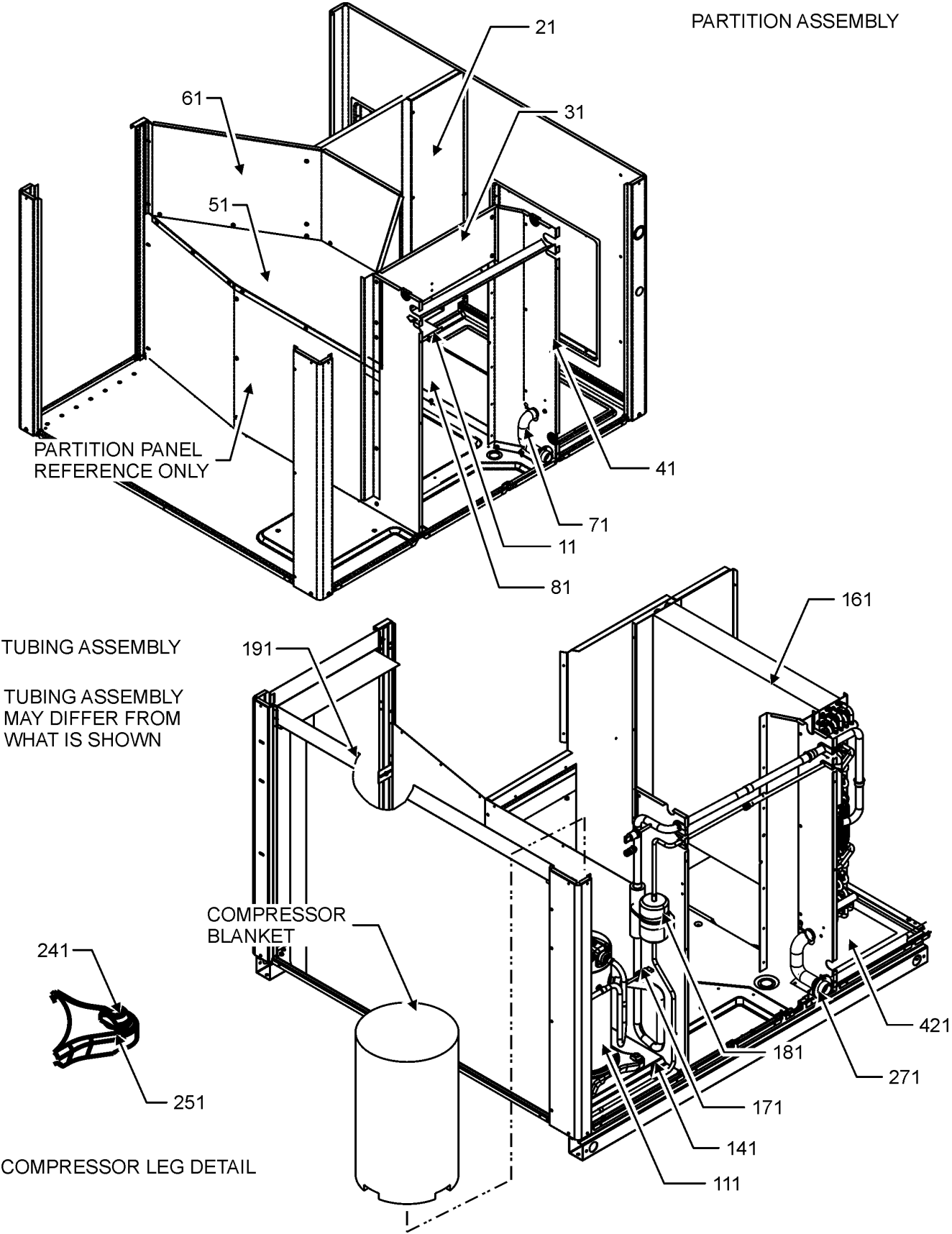
Top Panel and Cabinet Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0150G00003		BLADE, FAN 26 SWEPT WING (M3, M4, M5)
11	0150G00002		FAN BLADE SWP/W (M2)
11	0150M00008		FAN BLADE, 22" TNT2203-25 (M1)
21	0131M00847		MOTOR, 1/4 HP, 1 SP, 6 PL (M3, M4, M5)
21	0131M00836		MOTOR, 1/4HP,1SP,8PL,AL (M2)
21	0131M00979		MOTOR, 1/6 HP, 1SP, 8PL,AL (M1)
31	0152G00003		GRILLE-FAN
41	0121G00887PDG		PNL, TOP, PNT
51	M0221817		SCREW-SM (QTY 11)
61	0163M00006P		ACORN NUT 5/16 HEX BLACK (QTY 4)
71	0161R00123		CONDUIT
101	20464804PDG		DOOR-COMPRESSOR 32 W/PAINT (M1, M2)
101	20464809PDG		DOOR-COMPRESSOR 40 W/PAINT (M3, M4, M5)
111	20467701PDG		PANEL - COND SIDE 32 W/PAINT (M1)
111	20467702PDG		PANEL - COND SIDE 40 W/PAINT (M3, M4, M5)
111	0121G00465DG		PANEL-COND SIDE 32, PNT (M2)
121	20466101PDG		UTILITY PANEL 32 W/PAINT (M1, M2)
121	20466102PDG		UTILITY PANEL 40 W/PAINT (M3, M4, M5)
131	0121G00917DG		PANEL, DUCT, 40" PNT-DG (M3, M4, M5)
131	0121G00802DG		PNL, DUCT, GAS 32.5" PNT (M1, M2)
141	0121G00460		POST-SUPPORT, SIDE (M1, M2)
141	0121G00615		POST-SUPPORT, SIDE 40 (M3, M4, M5)
161	0121G00728DG		PANEL-COND LOUVERED 32 (M1, M2)
161	0121G00729DG		PANEL-COND LOUVERED 40 (M3, M4, M5)
171	20464801PDG		DOOR - BLOWER 32 W/PAINT (M1, M2)
171	20464806PDG		DOOR - BLOWER 40 W/PAINT (M3, M4, M5)
181	20464802PDG		DOOR-EVAP/CONTROL 32 W/PAINT (M1, M2)
181	20464807PDG		DOOR-EVAP/CONTROL 40 W/PAINT (M3, M4, M5)
191	0121G00526DG		DOOR-HT EXCHANGE 32 (M1, M2)
191	0121G00527DG		DOOR-HT EXCHANGE 38 (M3, M4, M5)
241	0121G00947		RAIL, BASEPAN (QTY 2)
251	0121G00453DG		CORNER-POST COMP END, PNT (M2)
251	0121G00455DG		CORNER-POST COMP END, PNT (M3, M5)
251	20464201PDG		CRNR POST-COMP END 32 W/PAINT (M1)
251	20464202PDG		CRNR POST-COMP END 40 W/PAINT (M4)
261	0121G00454DG		CORNER-POST HPIN END, PNT (M1, M2)
261	0121G00456DG		CORNER-POST HPIN END, PNT (M3, M4, M5)
NS	0270G00500		FLUE HOOD ASSY

Expanded Model Nomenclature

M1 - GPGM52406031AA
M2 - GPGM53008031AA
M3 - GPGM53608031AA
M4 - GPGM54210031AA
M5 - GPGM54810031AA

Partition and Tubing Assembly



Partition and Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	20472501	SHIELD-HT TUBES
21	0121G20003	DIVIDER, BLOWER (M3, M4, M5)
21	0121G20009	DIVIDER, BLOWER (M2)
21	0121G20010	DIVIDER, BLOWER (M1)
31	0121G00894	PANEL FILLER HT EXCH 32 (M1, M2)
31	0121G00895	PANEL FILLER HT EXCH 40 (M3, M4, M5)
41	0121G20050	DIVIDER, EVAP/HT EXCHANGE (M3, M4, M5)
41	0121G20048	DIVIDER, HEAT EXCHANGER (M1, M2)
51	20465701	FAN PARTITION SHELF
61	20465801	SURROUND-FAN 32 (M1, M2)
61	20465802	SURROUND-FAN 40 (M3, M4, M5)
71	20498302	TUBE-DRAIN 32 (M1, M2)
71	20498301	TUBE-DRAIN 40 (M3, M4, M5)
81	20463802	BLOCK-EVAP/BPAN 32 (M1, M2)
81	20463801	BLOCK-EVAP/BPAN 40 (M3, M4, M5)
111	YPS20K1TPFVASE	COMPRESSOR (M1)
111	YPS26K1TPFVASE	COMPRESSOR (M2)
111	YPS29K1TPFVASE	COMPRESSOR (M3)
111	YPS35K1TPFVASC	COMPRESSOR (M4)
111	YPS40K1TPFVASC	COMPRESSOR (M5)
141	B1373315	ACCESS FITTING (QTY 2)
161	0202G20019	COIL TUBING ASSEMBLY (M4)
161	0202G20020	COIL TUBING ASSEMBLY (M2)
161	0202G20021	COIL TUBING ASSEMBLY (M5)
161	0202G20022	COIL TUBING ASSEMBLY (M1)
161	0202G20023	COIL TUBING ASSEMBLY (M3)
171	0130M20009	HIGH PRESSURE SWITCH
181	0162G00007	SINGLE-FLOW FILTER DRIER,STL (M3, M4, M5)
181	0162G00008	SINGLE-FLOW FILTER DRIER,STL (M1, M2)
191	0201G00369	ASSY., CONDENSER COIL (M3, M5)
191	0201G00142	COND COIL TUBING ASSY (M1)
191	0201G00249	CONDENSER COIL ASSY (M2)
191	0201G00460	CONDENSER COIL ASSY (M4)
241	M0221641	SCREW-SHOULDER TF (QTY 4)
251	B1339533	COMPRESSOR GROMMET (QTY 4)
271	20513001	EVAP DRAIN FITTING
421	20464901DF	DRAIN PAN-EVAP COIL
NS	0151M00101	ACCESS VALVE FITTING
NS	0159G00031	CABLE, COMPR SOL
NS	0164M00111	GROMMET D (QTY 4)
NS	0164M00110	GROMMET-HORSESHOE
NS	20333401	GROMMET-HORSESHOE
NS	20333501	GROMMET-HORSESHOE
NS	20477501	GROMMET-HORSESHOE
NS	0159G00005	HARNESS-COMP SCROLL (M1, M2)
NS	0159G00015	HARNESS-COMP SCROLL (M3, M4, M5)
NS	0259G00295	HARNESS-COMPRESSOR (M1, M2)
NS	0259G00296	HARNESS-COMPRESSOR (M3, M4, M5)
NS	B1810011	HOSE CLAMP 1.25 (QTY 2)
NS	0163M00629	RED CAP WITH O-RING (QTY 2)
NS	0151G20000	VALVE, TXV (M1)
NS	0151G20001	VALVE, TXV (M2)
NS	0151G20002	VALVE, TXV (M3)
NS	0151G20003	VALVE, TXV (M4)
NS	0151G20004	VALVE, TXV (M5)

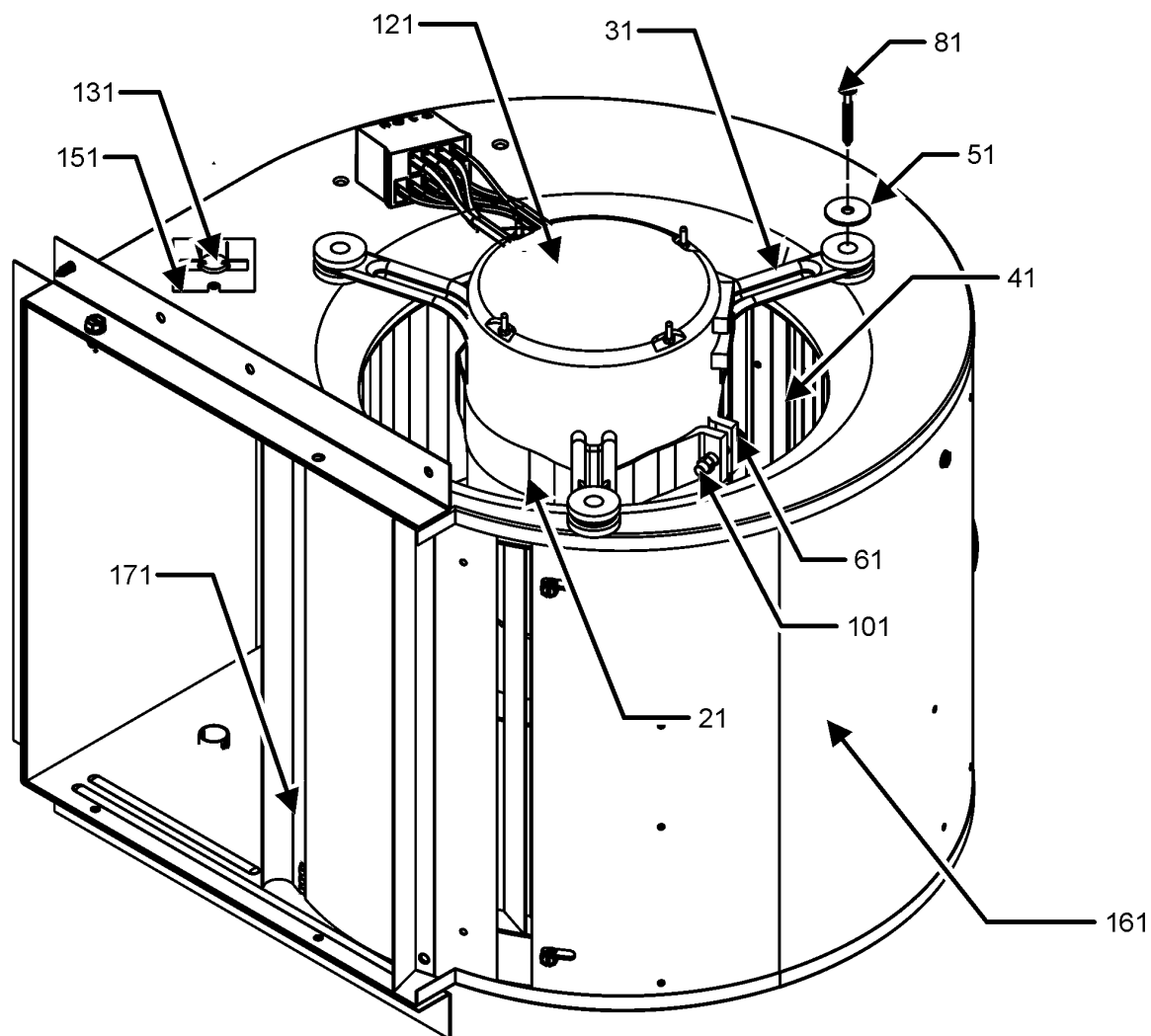
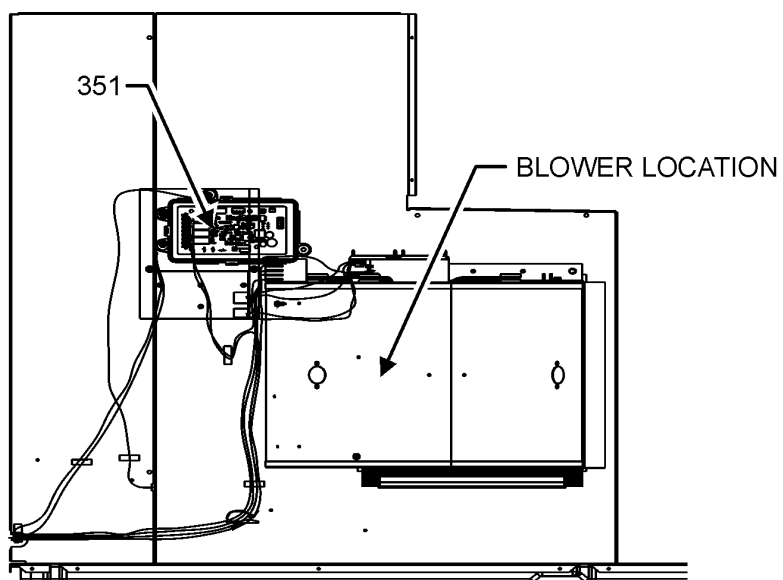
Expanded Model Nomenclature

M1 - GPGM52406031AA
M2 - GPGM53008031AA
M3 - GPGM53608031AA
M4 - GPGM54210031AA
M5 - GPGM54810031AA

Blower Assembly

BLOWER ASSEMBLY

BLOWER ASSEMBLY MAY
DIFFER FROM WHAT IS SHOWN



Blower Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
21	0121M00038		MOTOR MOUNT BAND
31	B1376857		MOTOR MOUNT ARM (QTY 3)
41	B1368000		BLOWER WHEEL (11 X 10) (M3, M4, M5)
41	B1368016		WHEEL, BLOWER, 10X8 (M1)
41	D6723303		WHEEL-BLOWER (M2)
51	B1392918		WASHER FLAT 1/4 ID X 1 OD (QTY 3)
61	B1393323		SCREW,MACHI HWH 1/4-20X1 1/2 BZ
81	M0250565		TC SCREW 1.25" (QTY 3)
101	B1393800		LOCKNUT, NYLON, INSERT 1/4, 20
121	0131M00747M		CONTROLLERLESS MOTOR (M3, M4, M5)
121	0131M00750M		CONTROLLERLESS MOTOR (M1, M2)
121	0131G20010		PROGRAMMED CONTROLLER (M1)
121	0131G20011		PROGRAMMED CONTROLLER (M2)
121	0131G20012		PROGRAMMED CONTROLLER (M3)
121	0131G20013		PROGRAMMED CONTROLLER (M4)
121	0131G20014		PROGRAMMED CONTROLLER (M5)
131	20269903		LIMIT
151	2509503		BRACKET F/ROLLOUT SWUT SWITCH
161	0271G00025		BLOWER HOUSING ASSY (10X8) (M1)
161	0271G00024		BLOWER HOUSING ASSY (10X9) (M2)
161	2539309		BLOWER HOUSING ASSY (11X10) (M3, M4, M5)
171	764742		BLOCK OFF - BLOWER (M2)
171	1864703		BLOWER CUT-OFF ASM,5TON,MORRIS (M3, M4, M5)
171	764740		BLWR BLK-OFF,10X8 (M1)
351	PCBCM301V0001		PCB CONTROL AIR HANDLER
NS	0121G00946		COVER, DOWN DISCHARGE, SINGLE (QTY 2)
NS	20463701		MTG-BLOWER U 11X10 (M3, M4, M5)
NS	0261G20000		PCB CASE

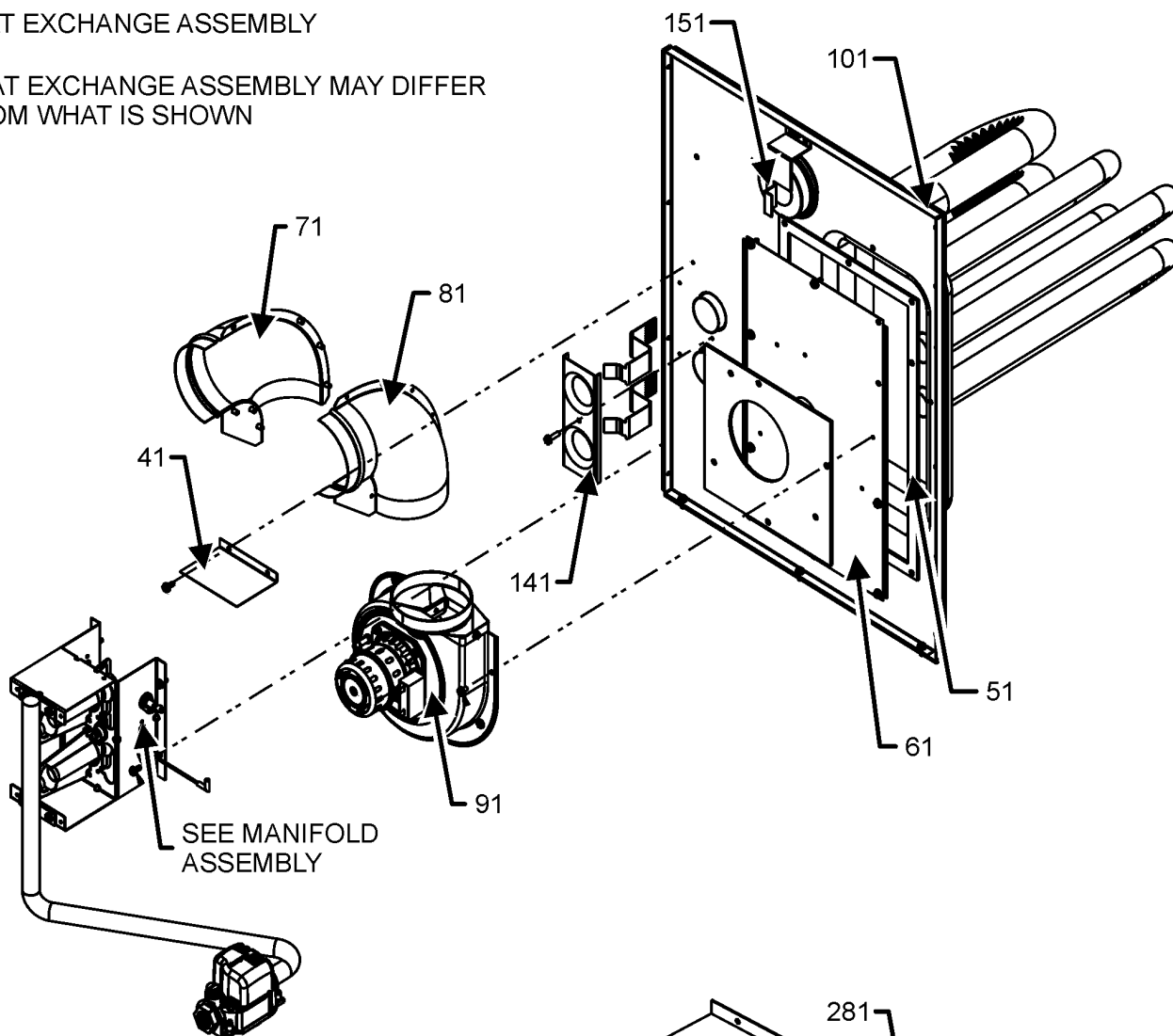
Expanded Model Nomenclature

M1 - GPGM52406031AA
M2 - GPGM53008031AA
M3 - GPGM53608031AA
M4 - GPGM54210031AA
M5 - GPGM54810031AA

Heat Exchange and Manifold Assembly

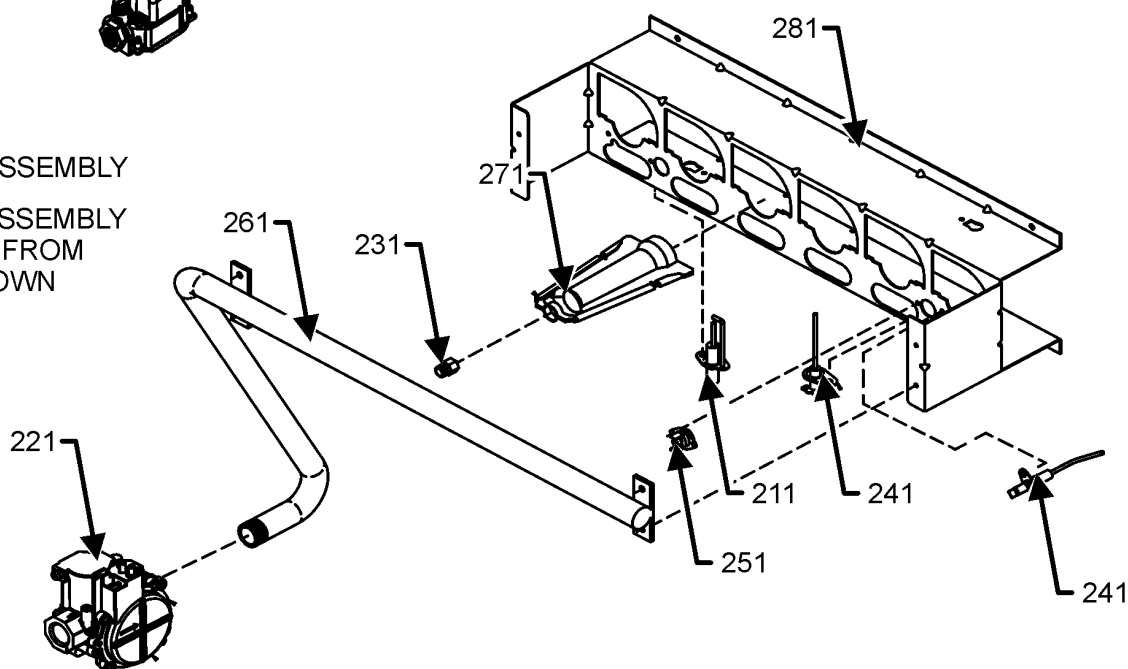
HEAT EXCHANGE ASSEMBLY

HEAT EXCHANGE ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN



MANIFOLD ASSEMBLY

MANIFOLD ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN



Heat Exchange and Manifold Assembly

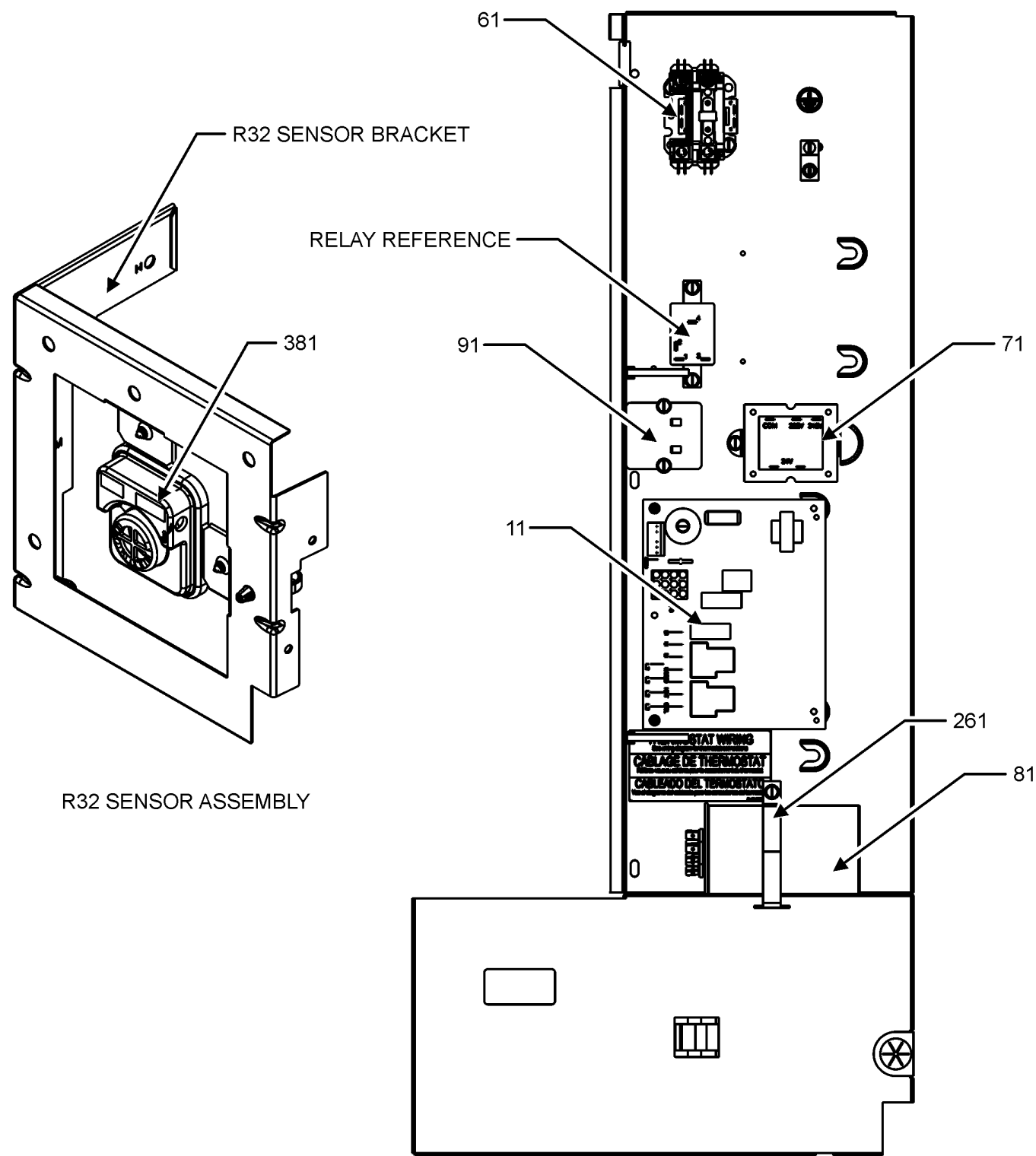
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
41	11190202		DEFLECTOR HEAT PKG
51	0154G00020		GASKET ID BLOWER & PLATE (M1, M2)
51	0154G00021		GASKET ID BLOWER & PLATE (M3, M4, M5)
61	0121G00740		PLATE-ID BLOWER (M1)
61	0121G00743		PLATE-ID BLOWER (M4, M5)
61	0121G00745		PLATE-ID BLOWER (M3)
61	0121G00747		PLATE-ID BLOWER (M2)
71	20484401		FLUE ELBOW LEFT
81	20484402		FLUE ELBOW RIGHT
91	0131G00001		MOTOR, ID BLOWER
101	20490707		PART/TUBE ASSY 3B (M1)
101	20490703		PART/TUBE ASSY 4B (M2)
101	20490704		PART/TUBE ASSY 4B (M3)
101	20490705		PART/TUBE ASSY 5B (M4, M5)
141	11072202		SHIELD-ORF CO FUR (M1)
141	11072203		SHIELD-ORF CO FUR (M2, M3)
141	11072204		SHIELD-ORF CO FUR (M4, M5)
151	11112501		PRESSURE SWITCH
211	0130F00014		IGNITOR
221	0151F00000P		GAS VALVE
231	10716005		ORIFICE (QTY 3)
241	0130F00010		FLAME SENSOR
251	10123532		LIMIT-RESET MAN-GRAY (M2)
251	10123529		LIMIT-RESET MAN-GREEN (M1, M3, M4, M5)
261	20493103		MANIFOLD- 3 BRNR 32 (M1)
261	20493104		MANIFOLD- 4 BRNR 32 (M2)
261	20493105		MANIFOLD- 4 BRNR 38 (M3)
261	20493106		MANIFOLD- 5 BRNR 38 (M4, M5)
271	0163F00017		BECKETT BURNER (QTY 3)
281	0121L02164		BRKT-BURNER 3B FUR (M1)
281	20190412		BRKT-BURNER 4B FUR (M2, M3)
281	20190413		BRKT-BURNER 5B FUR (M4, M5)
NS	0154G00011		ELBOW FLUE GASKET
NS	0154G00013		ELBOW FLUE GASKET

Expanded Model Nomenclature

M1 - GPGM52406031AA
M2 - GPGM53008031AA
M3 - GPGM53608031AA
M4 - GPGM54210031AA
M5 - GPGM54810031AA

Control Panel Assembly

CONTROL BOX ASSEMBLY



CONTROL BOX ASSEMBLY
MAY DIFFER FROM WHAT
IS SHOWN

Control Panel Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

11	PCBAG127	PCB IGNITION DSI 2 STG
61	CONT1P030024D	CONT, 1 POLE, 30 AMP, 24VAC (M1, M2)
61	CONT2P040024D	CONT, 2 POLE, 40 AMP, 24VAC (M3, M5)
71	0130M00138	TRANSFORMER 208/230 24V
81	CAB050350440CS	CAP, 5/35 MFD/440V RD - BPRF
91	10728342	LIMIT SWITCH (M2, M3)
91	10728344	LIMIT SWITCH (M4, M5)
91	0130G00033	SWITCH, HIGH LIMIT, ULN (M1)
261	20520901	STRAP-CAPACITOR
381	SER2A08012	SENSATA R32 SENSOR
NS	0121G20000	BRACKET R32 SENSOR
NS	0259G00295	HARNESS-COMPRESSOR (M1, M2)
NS	0259G00296	HARNESS-COMPRESSOR (M3, M4, M5)
NS	0259G00161	HARNESS-GAS CONTROL (M1, M2)
NS	0259G00162	HARNESS-GAS CONTROL (M3, M4, M5)
NS	0259G00329	WIRE HARNESS ASSEMBLY
NS	0259G00330	WIRE HARNESS ASSEMBLY

Expanded Model Nomenclature

M1 - GPGM52406031AA
M2 - GPGM53008031AA
M3 - GPGM53608031AA
M4 - GPGM54210031AA
M5 - GPGM54810031AA