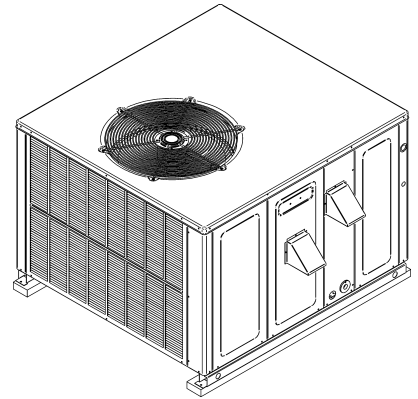




REPAIR PARTS

GPGM5 Residential Package Gas Unit

GPGM52406041AA
GPGM52406041AB
GPGM53008041AA
GPGM53008041AB
GPGM53608041AA
GPGM53608041AB
GPGM54210041AA
GPGM54210041AB
GPGM54810041AA
GPGM54810041AB



This manual is to be used by qualified technicians only.

This manual replaces RP-G

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Important Information

Index

Functional Parts List	3
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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

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

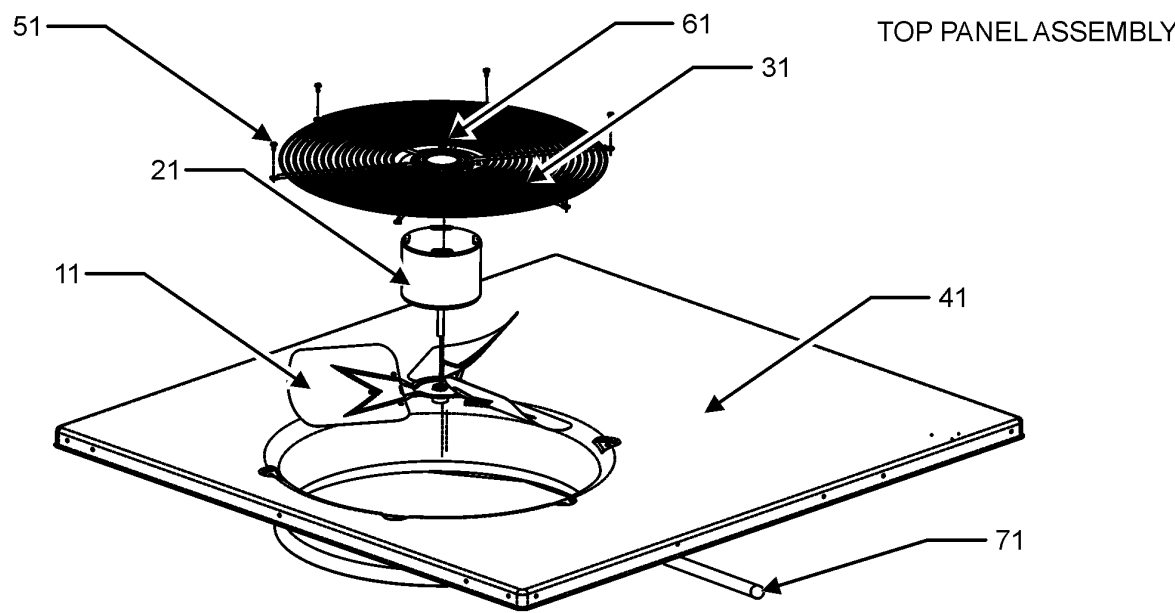
No: Description:

0150G00003	BLADE, FAN 26 SWEPT WING (M5, M6, M7, M8, M9, M10)	PWGMFG	GOODMAN PRODUCT WARRANTY (M1, M3, M5, M7, M9)
B1368000	BLOWER WHEEL (11 X 10) (M5, M6, M7, M8, M9, M10)	HI-116G	HOMEOWNERS MANUAL
CAB050350440CS	CAP, 5/35 MFD/440V RD - BPRF (M1, M2, M9, M10)	IOG-3026	INSTALLATION INSTRUCTIONS (M1, M3, M5, M7, M9)
CAB050400440CT	CAP, 5/40 MFD/440V RD - BPRF (M3, M4)	IOG-3026B	INSTALLATION INSTRUCTIONS (M2, M4, M6, M8, M10)
CAB050450440CT	CAP, 5/45 MFD/440V RD - BPRF (M5, M6)	Expanded Model Nomenclature	
CAP050300440CS	CAP, 5/30MFD/440V/DUAL RD (M7, M8)	M1 - GPGM52406041AA M2 - GPGM52406041AB M3 - GPGM53008041AA M4 - GPGM53008041AB M5 - GPGM53608041AA M6 - GPGM53608041AB M7 - GPGM54210041AA M8 - GPGM54210041AB M9 - GPGM54810041AA M10 - GPGM54810041AB	
ZPS35K6EPFV130	COMP, 37200, 208/230/60/1 (M7, M8)		
ZPS40K6EPFV130	COMP, 40000, 208/230/60/1 (M9, M10)		
ZPS20K6EPFV130	COMPRESSOR, 25100, 208/230/60/1 (M1, M2)		
ZPS30K6EPFV130	COMPRESSOR, 37900, 208/230/60/1 (M5, M6)		
ZPS26K5EPFV130	COMPRESSOR, COPELAND (M3, M4)		
CONT1P030024V	CONT, 1 POLE, 30 AMP, 24 VAC (M1, M2, M3, M4, M7, M8)		
CONT2P040024V	CONT, 2 POLE, 40 AMP, 24 VAC (M5, M6, M9, M10)		
0131M00747M	CONTROLLERLESS MOTOR (M5, M6, M7, M8, M9, M10)		
0131M00750M	CONTROLLERLESS MOTOR (M1, M2, M3, M4)		
0150G00002	FAN BLADE SWP/W (M3, M4)		
0150M00008	FAN BLADE, 22" TNT2203-25 (M1, M2)		
0130F00010	FLAME SENSOR		
0151F00000P	GAS VALVE		
0130M00074	HIGH PRESSURE SWITCH		
0130F00014	IGNITOR		
10728344	LIMIT SWITCH (M7, M8, M9, M10)		
10728342	LIMIT SWITCH (M3, M4, M5, M6)		
10123532	LIMIT-RESET MAN-GRAY (M3, M4)		
10123529	LIMIT-RESET MAN-GREEN (M1, M2, M5, M6, M7, M8, M9, M10)		
0131M00847	MOTOR, 1/4 HP, 1 SP, 6 PL (M5, M6, M7, M8, M9, M10)		
0131M00836	MOTOR, 1/4HP, 1SP, 8PL, AL (M3, M4)		
0131M00979	MOTOR, 1/6 HP, 1SP, 8PL, AL (M1, M2)		
0131G00001	MOTOR, ID BLOWER		
PCBAG127	PCB IGNITION DSI 2 STG		
11112501	PRESSURE SWITCH		
0131G00157	PROGRAMMED CONTROLLER (M9, M10)		
0131G00156	PROGRAMMED CONTROLLER (M7, M8)		
0131G00153	PROGRAMMED CONTROLLER (M1, M2)		
0131G00154	PROGRAMMED CONTROLLER (M3, M4)		
0131G00155	PROGRAMMED CONTROLLER (M5, M6)		
0130G00033	SWITCH, HIGH LIMIT, ULN (M1, M2)		
0130M00138	TRANSFORMER 208/230 24V		
B1368016	WHEEL, BLOWER, 10X8 (M1, M2)		
D6723303	WHEEL-BLOWER (M3, M4)		

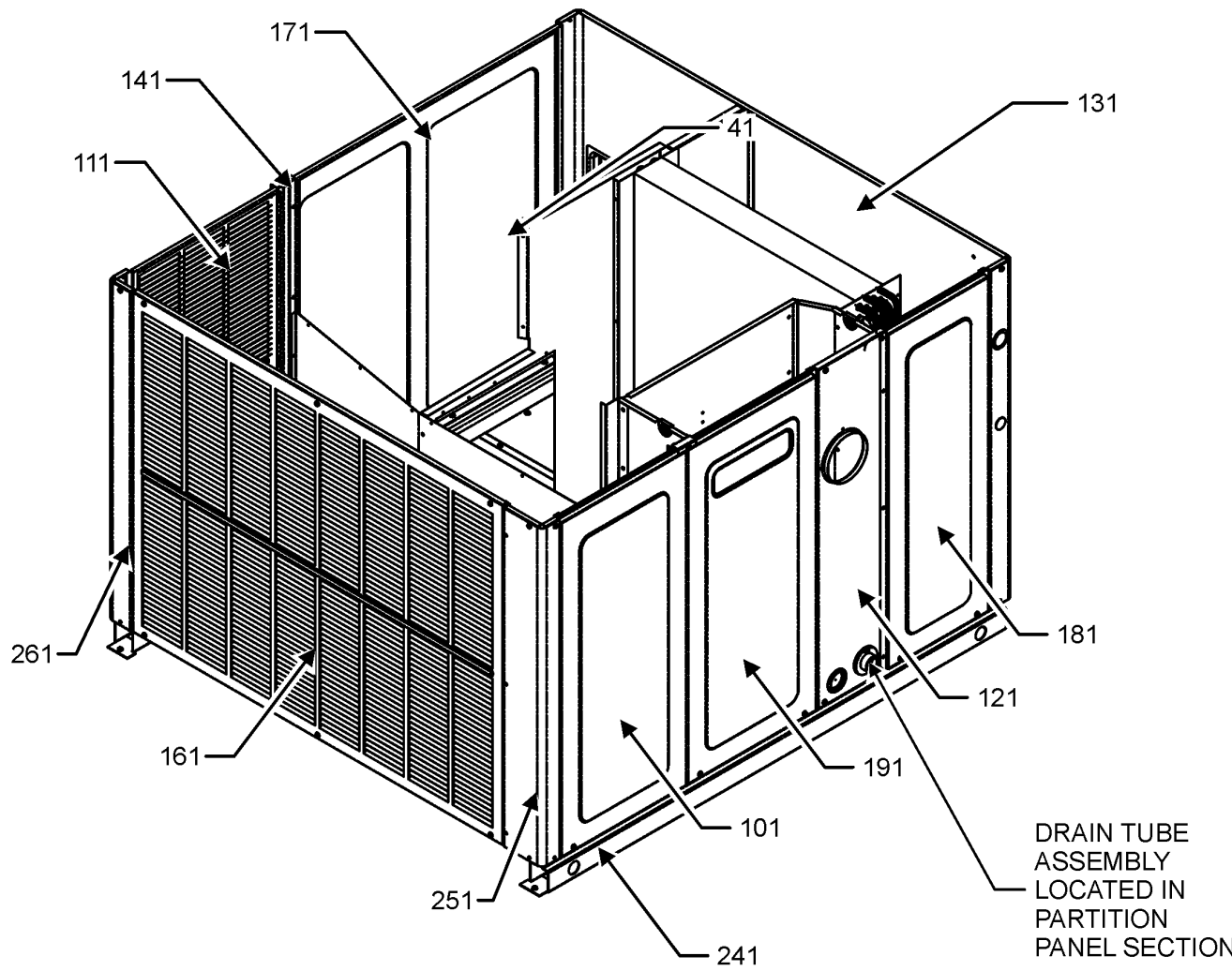
SPECIAL PARTS

TP-109D	AL COIL-APPROVED CLEANING LIST (M2, M4, M6, M8, M10)
TP-109C	AL COIL-APPROVED CLEANING LIST (M1, M3, M5, M7, M9)
PWGMFGB	GOODMAN PRODUCT WARRANTY (M2, M4, M6, M8, M10)

Top Panel and Cabinet Assembly



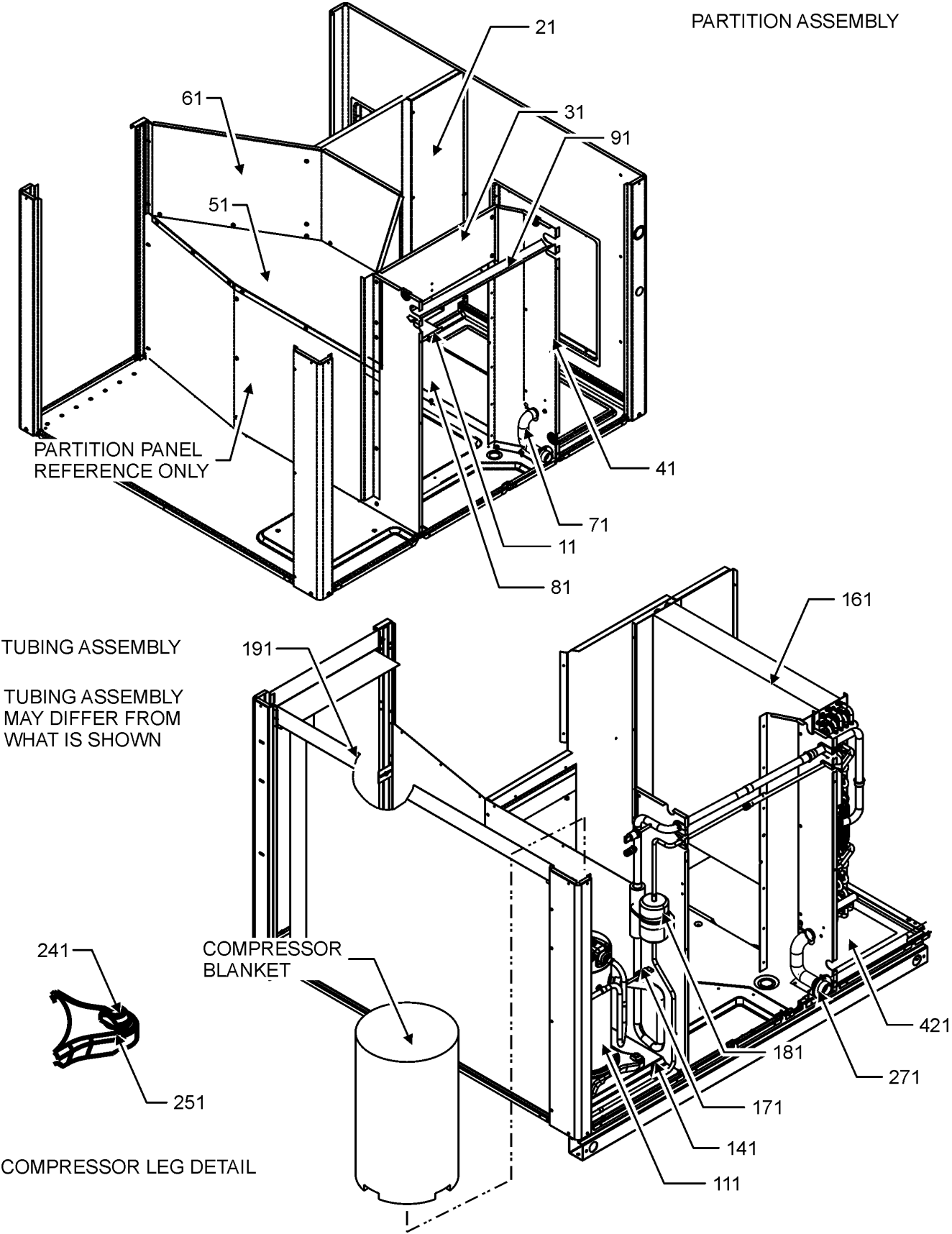
CABINET ASSEMBLY



Top Panel and Cabinet Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 1:	
11 0150G00003	BLADE, FAN 26 SWEPT WING (M5, M6, M7, M8, M9, M10)	NS TP-109C	AL COIL-APPROVED CLEANING LIST (M1, M3, M5, M7, M9)
11 0150G00002	FAN BLADE SWP/W (M3, M4)	NS TP-109D	AL COIL-APPROVED CLEANING LIST (M2, M4, M6, M8, M10)
11 0150M00008	FAN BLADE, 22" TNT2203-25 (M1, M2)	NS 0270G00500	FLUE HOOD ASSY
21 0131M00847	MOTOR, 1/4 HP, 1 SP, 6 PL (M5, M6, M7, M8, M9, M10)	NS PWGMFG	GOODMAN PRODUCT WARRANTY (M1, M3, M5, M7, M9)
21 0131M00836	MOTOR, 1/4HP,1SP,8PL,AL (M3, M4)	NS PWGMFGB	GOODMAN PRODUCT WARRANTY (M2, M4, M6, M8, M10)
21 0131M00979	MOTOR, 1/6 HP, 1SP, 8PL,AL (M1, M2)	NS HI-116G	HOMEOWNERS MANUAL
31 0152G00003	GRILLE-FAN	NS IOG-3026	INSTALLATION INSTRUCTIONS (M1, M3, M5, M7, M9)
41 0121G00887PDG	PNL, TOP, PNT	NS IOG-3026B	INSTALLATION INSTRUCTIONS (M2, M4, M6, M8, M10)
51 M0221817	SCREW-SM (QTY 6)	Expanded Model Nomenclature M1 - GPGM52406041AA M2 - GPGM52406041AB M3 - GPGM53008041AA M4 - GPGM53008041AB M5 - GPGM53608041AA M6 - GPGM53608041AB M7 - GPGM54210041AA M8 - GPGM54210041AB M9 - GPGM54810041AA M10 - GPGM54810041AB	
61 0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)		
71 0161R00123	CONDUIT		
101 20464804PDG	DOOR-COMPRESSOR 32 W/PAINT (M1, M2, M3, M4)		
101 20464809PDG	DOOR-COMPRESSOR 40 W/PAINT (M5, M6, M7, M8, M9, M10)		
111 20467701PDG	PANEL - COND SIDE 32 W/PAINT (M1, M2)		
111 20467702PDG	PANEL - COND SIDE 40 W/PAINT (M5, M6, M7, M8, M9, M10)		
111 0121G00465DG	PANEL-COND SIDE 32, PNT (M3, M4)		
121 20466101PDG	UTILITY PANEL 32 W/PAINT (M1, M2, M3, M4)		
121 20466102PDG	UTILITY PANEL 40 W/PAINT (M5, M6, M7, M8, M9, M10)		
131 0121G00917DG	PANEL, DUCT, 40" PNT-DG (M5, M6, M7, M8, M9, M10)		
131 0121G00802DG	PNL, DUCT, GAS 32.5" PNT (M1, M2, M3, M4)		
141 0121G00460	POST-SUPPORT, SIDE (M1, M2, M3, M4)		
141 0121G00615	POST-SUPPORT, SIDE 40 (M5, M6, M7, M8, M9, M10)		
161 0121G00728DG	PANEL-COND LOUVERED 32 (M1, M2, M3, M4)		
161 0121G00729DG	PANEL-COND LOUVERED 40 (M5, M6, M7, M8, M9, M10)		
171 20464801PDG	DOOR - BLOWER 32 W/PAINT (M1, M2, M3, M4)		
171 20464806PDG	DOOR - BLOWER 40 W/PAINT (M5, M6, M7, M8, M9, M10)		
181 20464802PDG	DOOR-EVAP/CONTROL 32 W/PAINT (M1, M2, M3, M4)		
181 20464807PDG	DOOR-EVAP/CONTROL 40 W/PAINT (M5, M6, M7, M8, M9, M10)		
191 0121G00526DG	DOOR-HT EXCHANGE 32 (M1, M2, M3, M4)		
191 0121G00527DG	DOOR-HT EXCHANGE 38 (M5, M6, M7, M8, M9, M10)		
241 0121G00947	RAIL, BASEPAN (QTY 2)		
251 0121G00453DG	CORNER-POST COMP END, PNT (M3, M4)		
251 0121G00455DG	CORNER-POST COMP END, PNT (M5, M6, M9, M10)		
251 20464201PDG	CRNR POST-COMP END 32 W/PAINT (M1, M2)		
251 20464202PDG	CRNR POST-COMP END 40 W/PAINT (M7, M8)		
261 0121G00454DG	CORNER-POST HPIN END, PNT (M1, M2, M3, M4)		
261 0121G00456DG	CORNER-POST HPIN END, PNT (M5, M6, M7, M8, M9, M10)		

Partition and Tubing Assembly

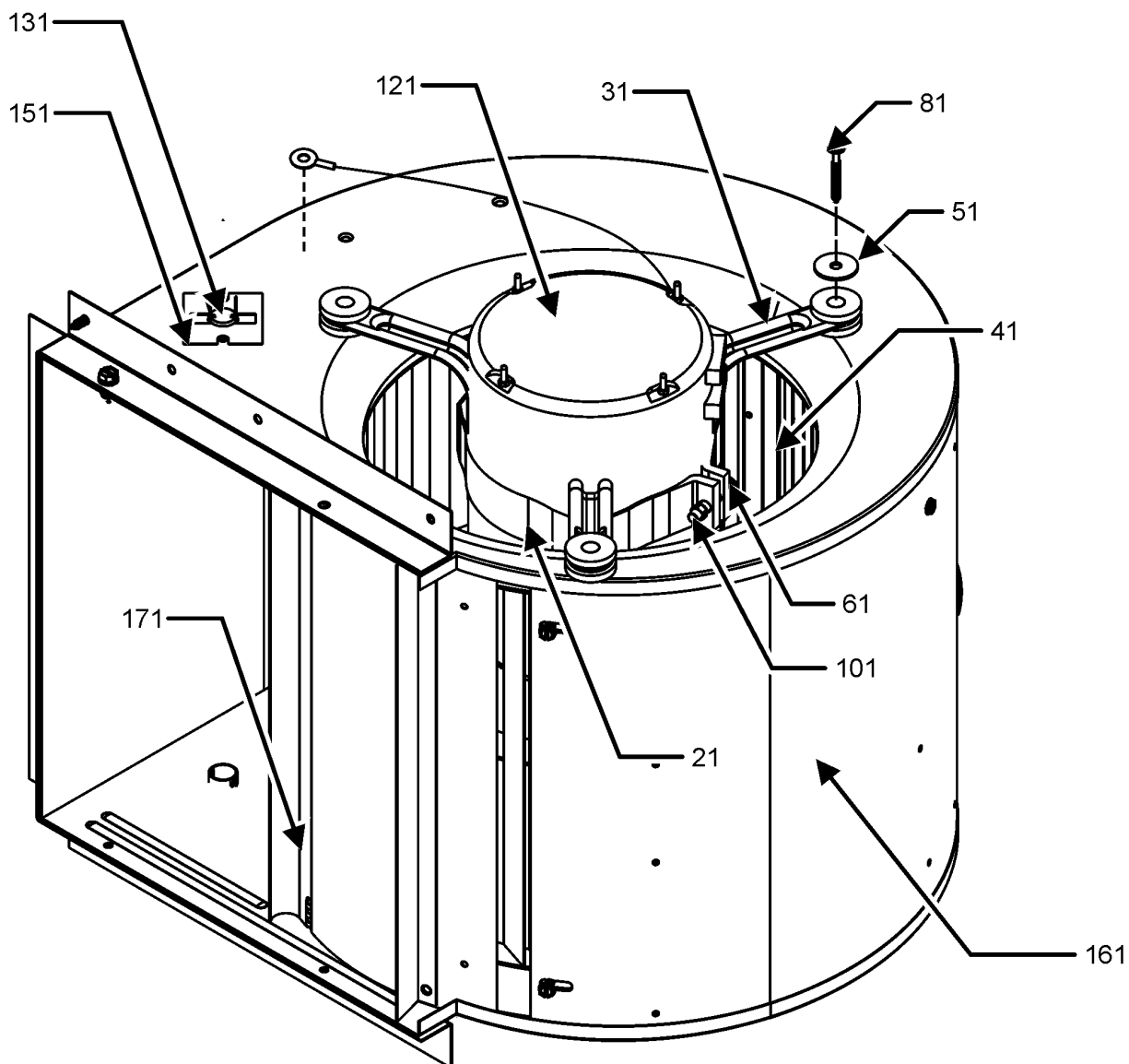


Partition and Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 1:	
11	20472501	SHIELD-HT TUBES	NS 0259G00296 HARNESS-COMPRESSOR (M5, M6, M7, M8, M9, M10)
21	20465305	DIVIDER-BLOWER (M1, M2)	
21	20465304	DIVIDER-BLOWER 32 10X9 (M3, M4)	NS B1810011 HOSE CLAMP 1.25 (QTY 2)
21	20465302	DIVIDER-BLOWER 38 (M5, M6, M7, M8, M9, M10)	NS 0151M00074 VALVE, NXT R-410A (M9, M10)
31	0121G00894	PANEL FILLER HT EXCH 32 (M1, M2, M3, M4)	NS 0151M00076 VALVE-TXV R410A (M1, M2)
31	0121G00895	PANEL FILLER HT EXCH 40 (M5, M6, M7, M8, M9, M10)	NS 0151M00077 VALVE-TXV R410A (M3, M4, M5, M6, M7, M8)
41	0121G00757	DIVIDER, EVAP/HT EXCH 32 (M1, M2, M3, M4)	Expanded Model Nomenclature M1 - GPGM52406041AA M2 - GPGM52406041AB M3 - GPGM53008041AA M4 - GPGM53008041AB M5 - GPGM53608041AA M6 - GPGM53608041AB M7 - GPGM54210041AA M8 - GPGM54210041AB M9 - GPGM54810041AA M10 - GPGM54810041AB
41	0121G00758	DIVIDER, EVAP/HT EXCH 38 (M5, M6, M7, M8, M9, M10)	
51	20465701	FAN PARTITION SHELF	
61	20465801	SURROUND-FAN 32 (M1, M2, M3, M4)	
61	20465802	SURROUND-FAN 40 (M5, M6, M7, M8, M9, M10)	
71	20498302	TUBE-DRAIN 32 (M1, M2, M3, M4)	
71	20498301	TUBE-DRAIN 40 (M5, M6, M7, M8, M9, M10)	
81	20463802	BLOCK-EVAP/BPAN 32 (M1, M2, M3, M4)	
81	20463801	BLOCK-EVAP/BPAN 40 (M5, M6, M7, M8, M9, M10)	
91	0121G00555	DRAIN CHANNEL, SUCTION TUBE	
111	ZPS35K6EPFV130	COMP, 37200, 208/230/60/1 (M7, M8)	
111	ZPS40K6EPFV130	COMP, 40000,208/230/60/1 (M9, M10)	
111	ZPS20K6EPFV130	COMPRESSOR, 25100,208/230/60/1 (M1, M2)	
111	ZPS30K6EPFV130	COMPRESSOR, 37900,208/230/60/1 (M5, M6)	
111	ZPS26K5EPFV130	COMPRESSOR, COPELAND (M3, M4)	
141	B1373315	ACCESS FITTING (QTY 2)	
161	0202G00727	ASSY., COIL TUBING (M3, M4)	
161	0202G00775	ASSY., COIL TUBING (M5, M6)	
161	0202G00776	ASSY., COIL TUBING (M9, M10)	
161	0202G00782	ASSY., COIL TUBING (M1, M2)	
161	0202G00728	COIL TUBING ASSY (M7, M8)	
171	0130M00074	HIGH PRESSURE SWITCH	
181	0162G00007	SINGLE-FLOW FILTER DRIER,STL (M5, M6, M7, M8, M9, M10)	
181	0162G00008	SINGLE-FLOW FILTER DRIER,STL (M1, M2, M3, M4)	
191	0201G00369	ASSY., CONDENSER COIL (M5, M6, M9, M10)	
191	0201G00142	COND COIL TUBING ASSY (M1, M2)	
191	0201G00249	CONDENSER COIL ASSY (M3, M4)	
191	0201G00460	CONDENSER COIL ASSY (M7, M8)	
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	0163M00175	CAP WITH O-RING (QTY 2)	
NS	0164M00111	GROMMET D (QTY 2)	
NS	0164M00023	GROMMET-HORSESHOE	
NS	20333401	GROMMET-HORSESHOE	
NS	20333501	GROMMET-HORSESHOE	
NS	20477501	GROMMET-HORSESHOE	
NS	0159G00005	HARNESS-COMP SCROLL (M1, M2, M3, M4)	
NS	0159G00015	HARNESS-COMP SCROLL (M5, M6, M7, M8, M9, M10)	
NS	0259G00295	HARNESS-COMPRESSOR (M1, M2, M3, M4)	

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) (M5, M6, M7, M8, M9, M10)
41	B1368016		WHEEL, BLOWER, 10X8 (M1, M2)
41	D6723303		WHEEL-BLOWER (M3, M4)
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 (M5, M6, M7, M8, M9, M10)
121	0131M00750M		CONTROLLERLESS MOTOR (M1, M2, M3, M4)
121	0131G00153		PROGRAMMED CONTROLLER (M1, M2)
121	0131G00154		PROGRAMMED CONTROLLER (M3, M4)
121	0131G00155		PROGRAMMED CONTROLLER (M5, M6)
121	0131G00156		PROGRAMMED CONTROLLER (M7, M8)
121	0131G00157		PROGRAMMED CONTROLLER (M9, M10)
131	20269903		LIMIT
151	2509503		BRACKET F/ROLLOUT SWUT SWITCH
161	0271G00025		BLOWER HOUSING ASSY (10X8) (M1, M2)
161	0271G00024		BLOWER HOUSING ASSY (10X9) (M3, M4)
161	2539309		BLOWER HOUSING ASSY (11X10) (M5, M6, M7, M8, M9, M10)
171	764742		BLOCK OFF - BLOWER (M3, M4)
171	1864703		BLOWER CUT-OFF ASM,5TON,MORRIS (M5, M6, M7, M8, M9, M10)
NS	0121G00946		COVER, DOWN DISCHARGE, SINGLE (QTY 2)
NS	20463701		MTG-BLOWER U 11X10 (M5, M6, M7, M8, M9, M10)

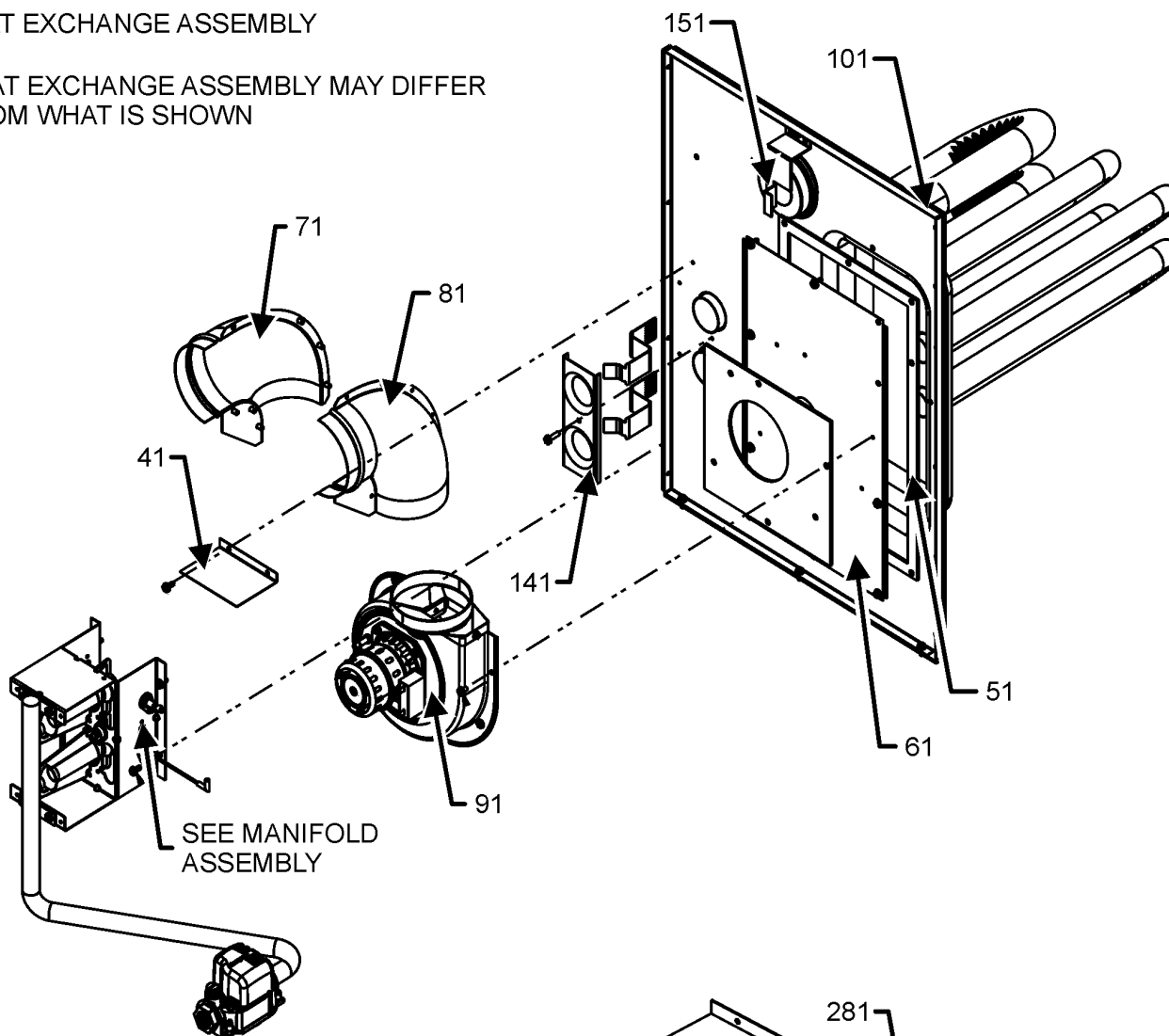
Expanded Model Nomenclature

M1 - GPGM52406041AA
M2 - GPGM52406041AB
M3 - GPGM53008041AA
M4 - GPGM53008041AB
M5 - GPGM53608041AA
M6 - GPGM53608041AB
M7 - GPGM54210041AA
M8 - GPGM54210041AB
M9 - GPGM54810041AA
M10 - GPGM54810041AB

Heat Exchange and Manifold Assembly

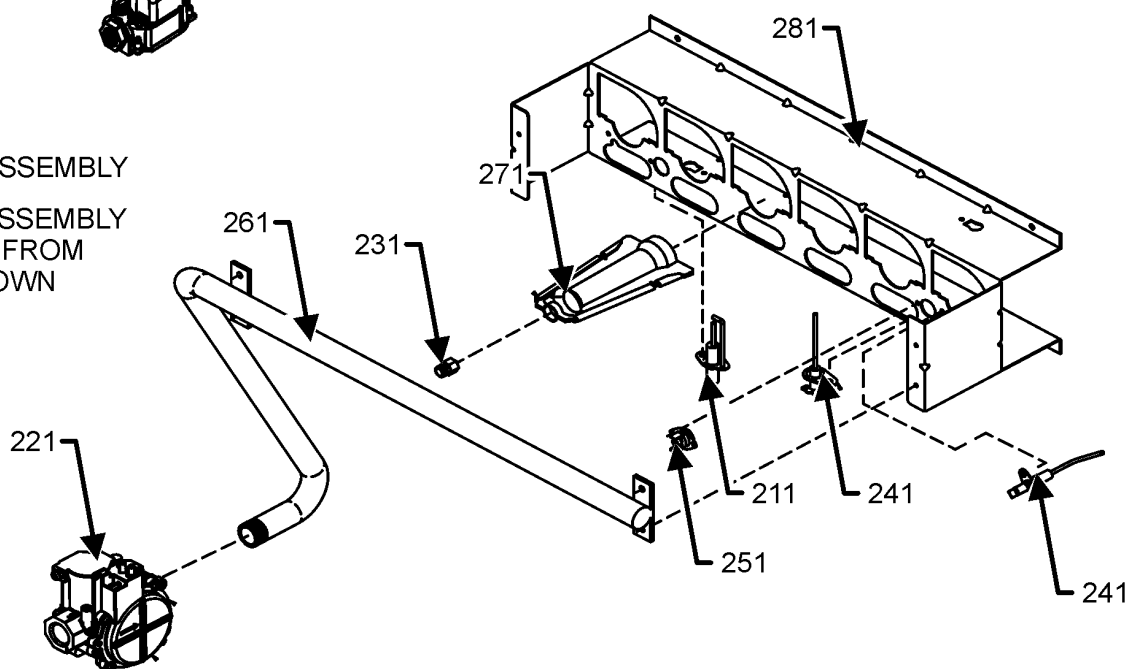
HEAT EXCHANGE ASSEMBLY

HEAT EXCHANGE ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN



MANIFOLD ASSEMBLY

MANIFOLD ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN



Heat Exchange and Manifold Assembly

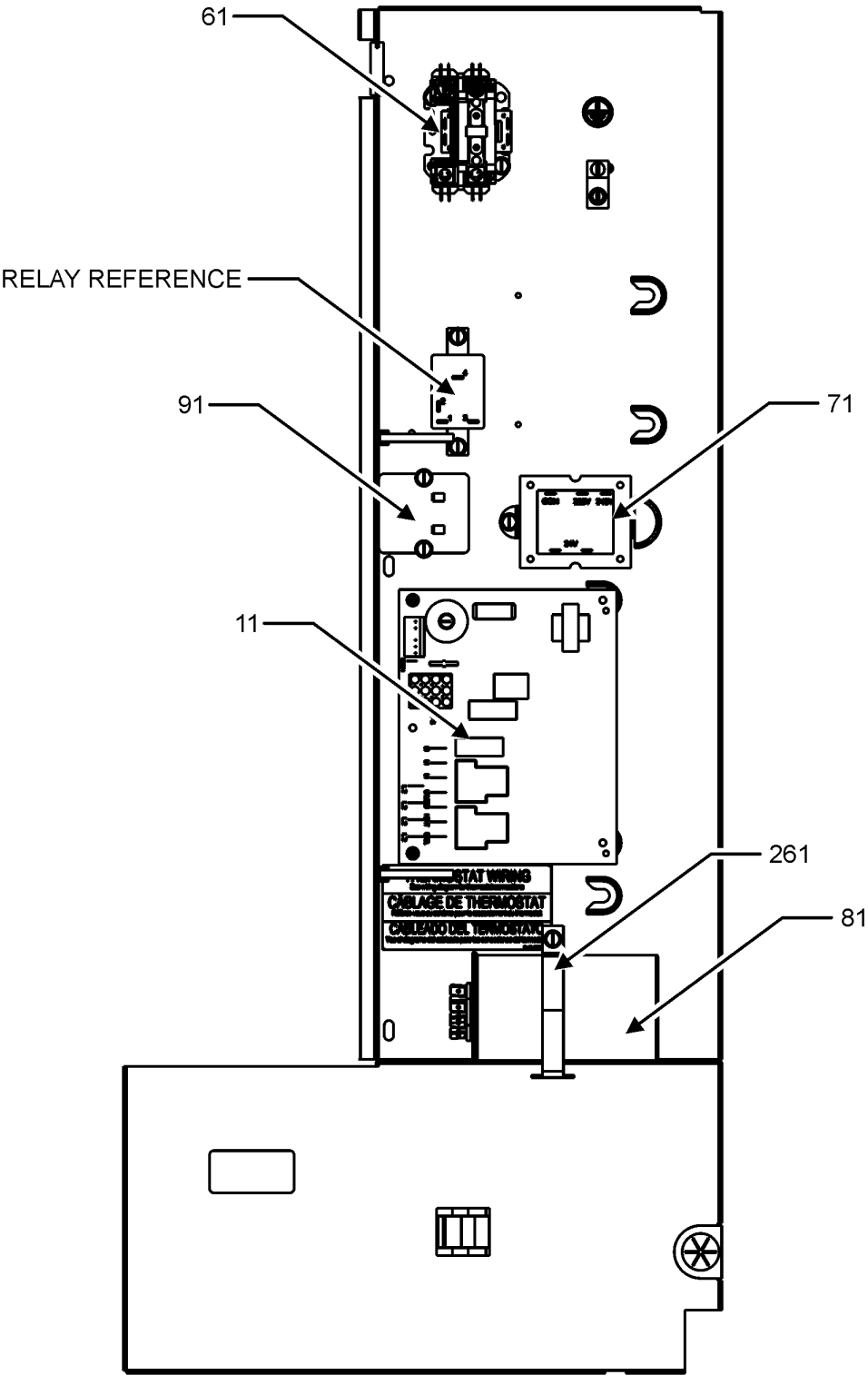
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
41	11190202		DEFLECTOR HEAT PKG
51	0154G00020		GASKET ID BLOWER & PLATE (M1, M2, M3, M4)
51	0154G00021		GASKET ID BLOWER & PLATE (M5, M6, M7, M8, M9, M10)
61	0121G00740		PLATE-ID BLOWER (M1, M2)
61	0121G00743		PLATE-ID BLOWER (M7, M8, M9, M10)
61	0121G00745		PLATE-ID BLOWER (M5, M6)
61	0121G00747		PLATE-ID BLOWER (M3, M4)
71	20484401		FLUE ELBOW LEFT
81	20484402		FLUE ELBOW RIGHT
91	0131G00001		MOTOR, ID BLOWER
101	20490707		PART/TUBE ASSY 3B (M1, M2)
101	20490703		PART/TUBE ASSY 4B (M3, M4)
101	20490704		PART/TUBE ASSY 4B (M5, M6)
101	20490705		PART/TUBE ASSY 5B (M7, M8, M9, M10)
141	11072202		SHIELD-ORF CO FUR (M1, M2)
141	11072203		SHIELD-ORF CO FUR (M3, M4, M5, M6)
141	11072204		SHIELD-ORF CO FUR (M7, M8, M9, M10)
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 (M3, M4)
251	10123529		LIMIT-RESET MAN-GREEN (M1, M2, M5, M6, M7, M8, M9, M10)
261	20493103		MANIFOLD- 3 BRNR 32 (M1, M2)
261	20493104		MANIFOLD- 4 BRNR 32 (M3, M4)
261	20493105		MANIFOLD- 4 BRNR 38 (M5, M6)
261	20493106		MANIFOLD- 5 BRNR 38 (M7, M8, M9, M10)
271	0163F00017		BECKETT BURNER (QTY 3)
281	0121L02164		BRKT-BURNER 3B FUR (M1, M2)
281	20190412		BRKT-BURNER 4B FUR (M3, M4, M5, M6)
281	20190413		BRKT-BURNER 5B FUR (M7, M8, M9, M10)
NS	0154G00011		ELBOW FLUE GASKET
NS	0154G00013		ELBOW FLUE GASKET
NS	0270G00500		FLUE HOOD ASSY

Expanded Model Nomenclature

M1 - GPGM52406041AA
M2 - GPGM52406041AB
M3 - GPGM53008041AA
M4 - GPGM53008041AB
M5 - GPGM53608041AA
M6 - GPGM53608041AB
M7 - GPGM54210041AA
M8 - GPGM54210041AB
M9 - GPGM54810041AA
M10 - GPGM54810041AB

Control Panel

CONTROL BOX ASSEMBLY



CONTROL BOX ASSEMBLY
MAY DIFFER FROM WHAT
IS SHOWN

Control Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	PCBAG127		PCB IGNITION DSI 2 STG
61	CONT1P030024V		CONT, 1 POLE, 30 AMP, 24 VAC (M1, M2, M3, M4, M7, M8)
61	CONT2P040024V		CONT, 2 POLE, 40 AMP, 24 VAC (M5, M6, M9, M10)
71	0130M00138		TRANSFORMER 208/230 24V
81	CAB050350440CS		CAP, 5/35 MFD/440V RD - BPRF (M1, M2, M9, M10)
81	CAB050400440CT		CAP, 5/40 MFD/440V RD - BPRF (M3, M4)
81	CAB050450440CT		CAP, 5/45 MFD/440V RD - BPRF (M5, M6)
81	CAP050300440CS		CAP,5/30MFD/440V/DUAL RD (M7, M8)
91	10728342		LIMIT SWITCH (M3, M4, M5, M6)
91	10728344		LIMIT SWITCH (M7, M8, M9, M10)
91	0130G00033		SWITCH, HIGH LIMIT, ULN (M1, M2)
261	20520901		STRAP-CAPACITOR
NS	0259G00160		BLOWER-HARNESS
NS	0159G00005		HARNESS-COMP SCROLL (M1, M2, M3, M4)
NS	0159G00015		HARNESS-COMP SCROLL (M5, M6, M7, M8, M9, M10)
NS	0259G00295		HARNESS-COMPRESSOR (M1, M2, M3, M4)
NS	0259G00296		HARNESS-COMPRESSOR (M5, M6, M7, M8, M9, M10)
NS	0259G00161		HARNESS-GAS CONTROL (M1, M2, M3, M4)
NS	0259G00162		HARNESS-GAS CONTROL (M5, M6, M7, M8, M9, M10)

Expanded Model Nomenclature

M1 - GPGM52406041AA
M2 - GPGM52406041AB
M3 - GPGM53008041AA
M4 - GPGM53008041AB
M5 - GPGM53608041AA
M6 - GPGM53608041AB
M7 - GPGM54210041AA
M8 - GPGM54210041AB
M9 - GPGM54810041AA
M10 - GPGM54810041AB