



REPAIR PARTS

PGB 50 HZ 090 thru 180 Package Gas Units

PGB090210-5F
PGB120245-5F
PGB180245-5F



Made in the USA by:
Goodman Manufacturing Company, L.P.
2550 North Loop West, Suite 400
Houston Texas 77092

www.goodmanmfg.com

RP-395
May 2006

Important Information

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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. Goodman® brand products are proudly made in the USA.

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:

1262505	ASSY, COND COIL (M2)
1262504	ASSY, COND COIL (M1)
1262506	ASSY, COND COIL (M3)
1262620	ASSY, EVAP COIL (M3)
1262618	ASSY, EVAP COIL (M2)
1262615	ASSY, EVAP COIL (M1)
3227201S	ASSY, HEAT EXCHANGER (M2, M3)
3227200S	ASSY, HEAT EXCHANGER (M1)
B1809922	AUXILIARY MODULE, 50HZ (CE) (M1, M2)
B1172607	BURNER - SENSOR
B945651	CAPACITOR 7.5/370 (M1, M2)
ZR54KCTFD930	COMPRESSOR, COPELAND ZR54KCTFD230 (M1)
ZR72KCTFD930	COMPRESSOR, COPELAND ZR72KCTFD230 (M2, M3)
B1360315	CONTACTOR, 25 AMP, 3P, 24V (M1, M2)
B1370165	CONTROL - TEMP, ROLLOUT SWITCH
B1370166	CONTROL - TEMP, SPST - AUX LIMIT 160°F
B1370164	CONTROL - TEMP, SPST - HIGH LIMIT 200°F
B1170555	FUSE, GAS HEAT, 460V (M1, M2)
B1370117	MILD AMBIENT CONTROL (M1, M2)
B3240001	MOTOR , CONDENSER 1/2 HP (QTY AR)
B3240003	MOTOR, 2.0, 230 & 460V, 3P (M1)
B3240004	MOTOR, 3.0, 230 & 460V, 3P (M2)
B3240005	MOTOR, 5.0, 230 & 460V, 3P (M3)
B3289358	ORIFICE
B1370175	SWITCH, AIR PRESSURE (M1)
B1370176	SWITCH, AIR PRESSURE (M2)
B1360713	SWITCH, HIGH PRESSURE (QTY AR)
B1360717	SWITCH, LOW PRESSURE (QTY AR)
B1368265	TERMINAL BOARD, 24V (M1, M2)
B1400901	TIMER, 60 SECONDS (M3)
B1141655	TRANSFORMER 380-415, 75V (M1, M2)
B1141667	TRANSFORMER 50 HZ (M1, M2)
B1787000	VALVE CORE (QTY 6)
0230A00000P	WIRE ASSY, 6-POSITION INTERLOCK (M3)
3268402F	WIRE ASSY, 6-POSITION INTERLOCK (M1, M2)

SPECIAL PARTS

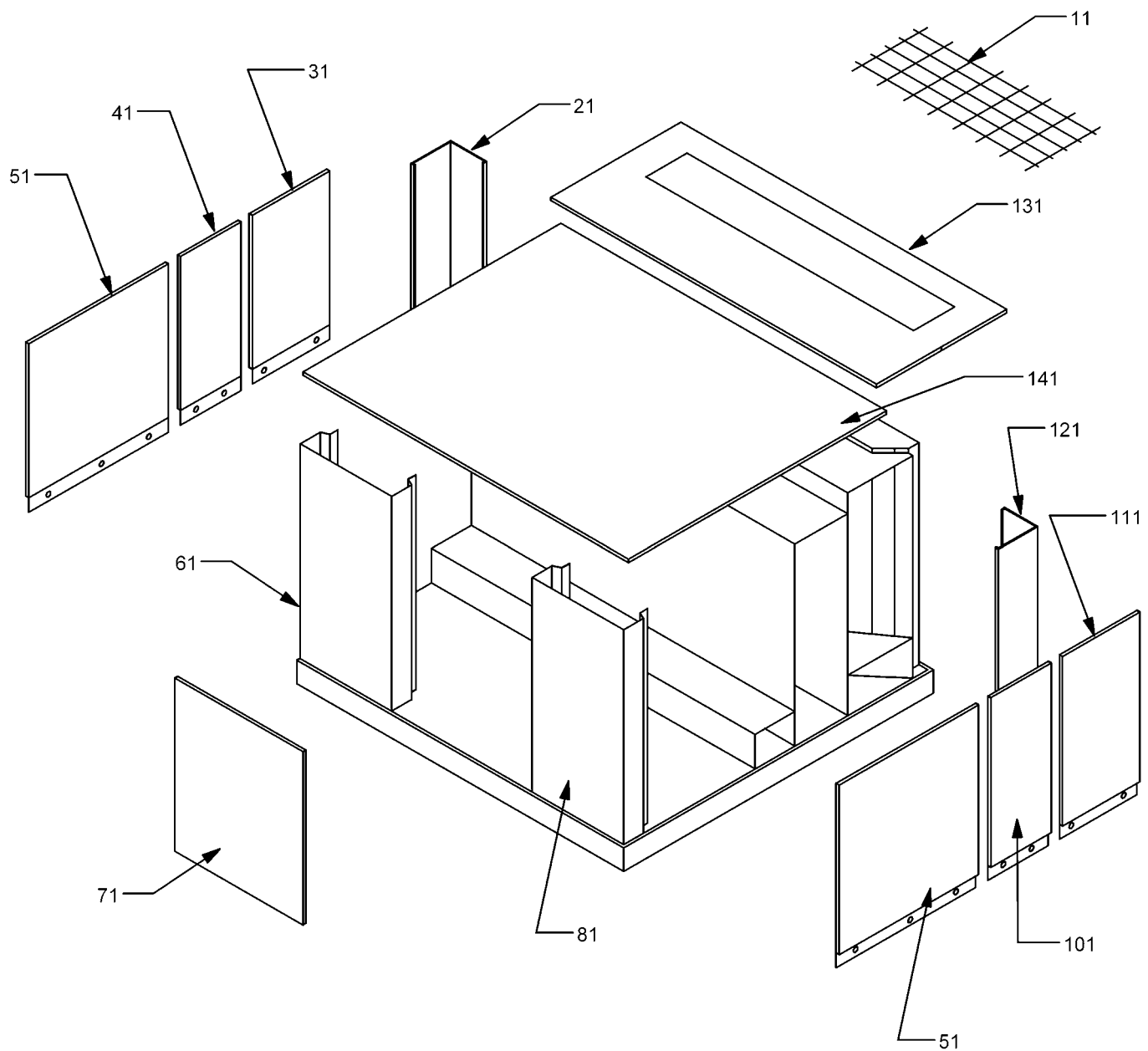
IO-178CEA INSTALLATION INSTRUCTIONS

RP-395 REPAIR PART LIST

Expanded Model Nomenclature

M1 - PGB090210-5F
M2 - PGB120245-5F
M3 - PGB180245-5F

Cabinet Assembly



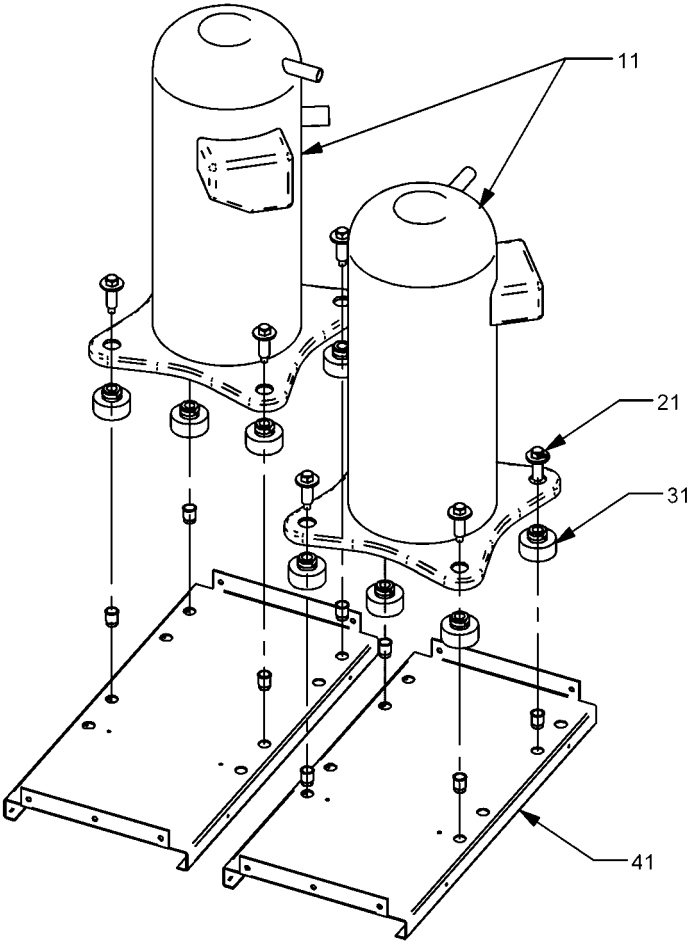
Cabinet Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	B1259641		GRILLE, COND
21	3226500FPDG		PANEL, COMPRESSOR FRONT (M1)
21	3249501FPDG		PANEL, COMPRESSOR FRONT (M2, M3)
31	3211000FPDG		ACCESS PANEL, COMPRESSOR (M1)
31	3241000FPDG		ACCESS PANEL, COMPRESSOR (M2, M3)
41	3222738FS		INSUL, HEAT ACCESS PANEL (M1)
41	3222749FS		INSUL, HEAT ACCESS PANEL (M2, M3)
51	3222739FS		INSUL, BLOWER/FILTER PANEL (M1)
51	3222748FS		INSUL, BLOWER/FILTER PANEL (M2, M3)
61	3222736FS		INSUL ASSY, BACK PANEL - LEFT (M1)
61	3222744S		INSUL ASSY, BACK PANEL - LEFT (M2, M3)
71	3222740FS		INSUL ASSY, BACK ACCESS PANEL (M1)
71	3222747FS		INSUL ASSY, BACK ACCESS PANEL (M2, M3)
81	3222734FS		INSUL ASSY, BACK PANEL - RIGHT (M1)
81	3222745S		INSUL ASSY, BACK PANEL - RIGHT (M2, M3)
101	3222741FS		ASSY, GAS ACCESS PANEL (M1)
101	3222746FS		ASSY, GAS ACCESS PANEL (M2, M3)
111	3227000FPDG		PANEL, CONTROL BOX (M1)
111	3250000FPDG		PANEL, CONTROL BOX (M2, M3)
121	3226001FPDG		PANEL, CONTROL BOX FRONT (M1)
121	3249500FPDG		PANEL, CONTROL BOX FRONT (M2, M3)
131	3222742F		ASSY, COND TOP & GASKET
141	3222737F		INSUL, EVAP TOP

Expanded Model Nomenclature

M1 - PGB090210-5F
M2 - PGB120245-5F
M3 - PGB180245-5F

Compressor



Compressor

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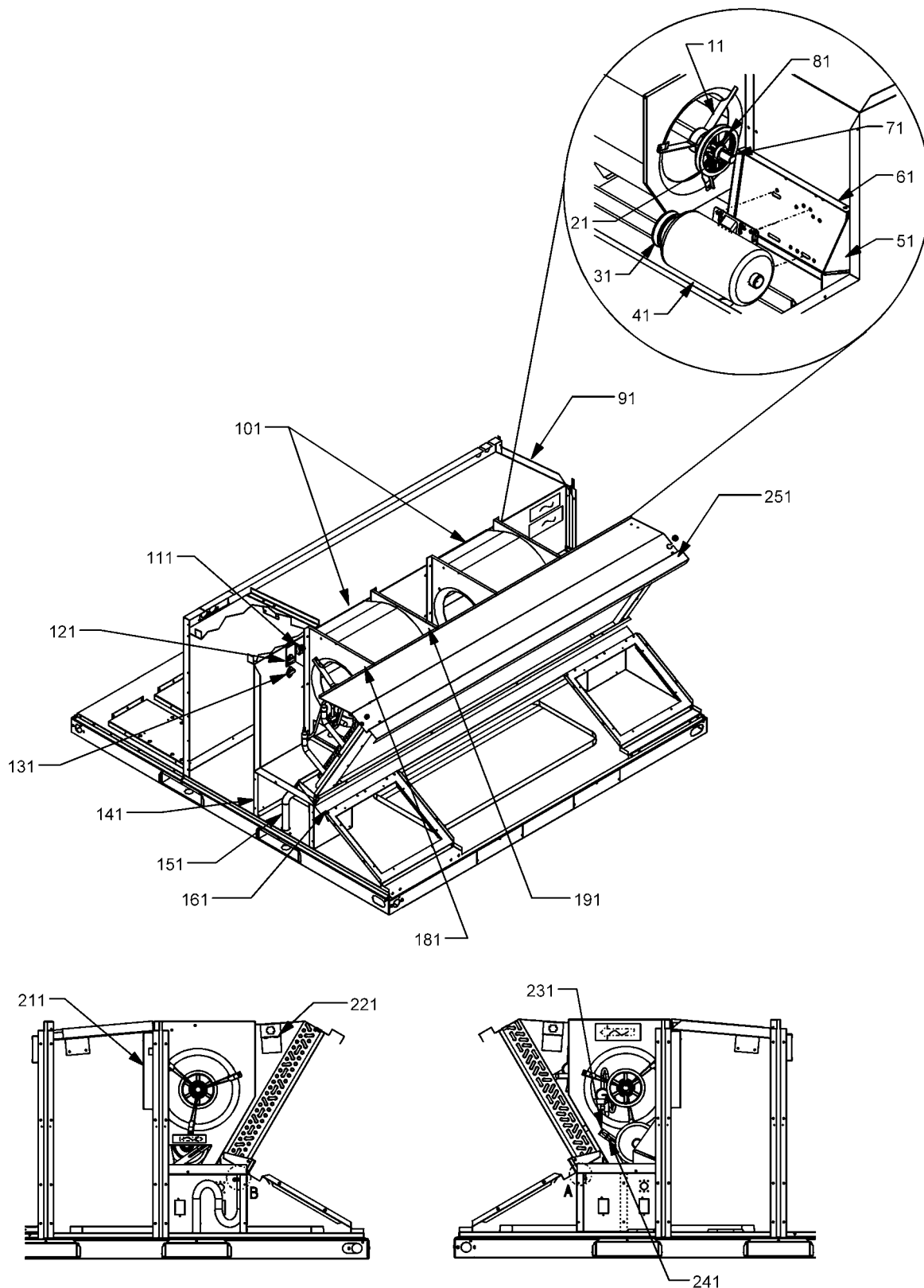
Image 1:

11	ZR54KCTFD930	COMPRESSOR, COPELAND ZR54KCTFD230 (M1)
11	ZR72KCTFD930	COMPRESSOR, COPELAND ZR72KCTFD230 (M2, M3)
21	B1393740	COMPRESSOR BOLT & SLEEVE (QTY AR)
31	B1339533	GROMMET, COMPRESSOR (QTY AR)
41	3222000F	BASE, COMPRESSOR (M1, M2)
41	3251000F	BASE, COMPRESSOR (M3)
NS	B1360713	SWITCH, HIGH PRESSURE (QTY AR)
NS	B1360717	SWITCH, LOW PRESSURE (QTY AR)

Expanded Model Nomenclature

M1 - PGB090210-5F
M2 - PGB120245-5F
M3 - PGB180245-5F

Supply Air Fan Assembly



Supply Air Fan Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		NS 3205500F	WRAP, BLOWER (M1)
11 B3201300	MOUNTING BRACKET, BEARING (QTY 2)	NS 3205501F	WRAP, BLOWER (M2, M3)
21 B3200200	SHAFT, EVAPORATOR FAN (M2, M3)	Expanded Model Nomenclature	
21 B3200201	SHAFT, EVAPORATOR FAN (M1)	M1 - PGB090210-5F M2 - PGB120245-5F M3 - PGB180245-5F	
31 B2120013	VARIABLE PITCH SHEAVE 1VP50 (M1, M2)		
31 B3204308	VARIABLE PITCH SHEAVE 2VP56 (M3)		
41 B3240003	MOTOR, 2.0, 230 & 460V, 3P (M1)		
41 B3240004	MOTOR, 3.0, 230 & 460V, 3P (M2)		
41 B3240005	MOTOR, 5.0, 230 & 460V, 3P (M3)		
51 3201500F	SUPPORT, MOTOR (M1)		
51 3239500F	SUPPORT, MOTOR (M2, M3)		
61 3224000F	BASE, MOTOR		
71 B1398604	STEEL KEY 2.0"		
81 B3204304	SHEAVE FIXED 2AK59 (M3)		
81 B3204309	SHEAVE FIXED AK61 1-3/16 (M2)		
81 B3204310	SHEAVE FIXED AK66, 1" I.D. (M1)		
101 3213200F	ASSY, BLOWER HOUSING (M1)		
101 3213201F	ASSY, BLOWER HOUSING (M2, M3)		
111 B1370166	CONTROL - TEMP, SPST - AUX LIMIT 160°F		
121 B1370164	CONTROL - TEMP, SPST - HIGH LIMIT 200°F		
131 B1370177	SWITCH, MANUAL RESET 310 (M1)		
131 B1370178	SWITCH, MANUAL RESET 320 (M2, M3)		
141 3205400FPDG	ASSY, DRAIN PAN		
151 B3201800	DRAIN HOSE (M1)		
151 B3201801	DRAIN HOSE (M2, M3)		
161 3224500F	SUPPORT, BOTTOM FILTER		
181 3201001F	PLATE, LH BLOWER SIDE (M1)		
181 3239001F	PLATE, LH BLOWER SIDE (M2, M3)		
191 3201000F	PLATE, RH BLOWER SIDE (M1)		
191 3239000F	PLATE, RH BLOWER SIDE (M2, M3)		
211 3222500F	ANGLE, BLOWER (QTY 4)		
221 0270G00039	ASSY, BOARD/PLUG		
231 3225001F	STRAP, MOTOR		
241 3205600F	ASSY, BELT TIGHTENER		
251 3223000F	SUPPORT, TOP FILTER (M1)		
251 3243000F	SUPPORT, TOP FILTER (M2, M3)		
NS 3225000F	ANGLE, BELT TIGHTENER		
NS B1399500	BALL BEARING 1.00 (M1)		
NS B1399501	BALL BEARING 1.875 (M2, M3)		
NS B2110010	FAN BELT, AX29 (M1, M3)		
NS B2110009	FAN BELT, AX31 (M2)		
NS 3209000F	PAN, DRAIN		
NS B1398603	STEEL KEY 4.5" (QTY 2)		
NS B1368266	TERMINAL BLOCK, 24V AUX SWITCH		
NS B1368051	WHEEL, BLOWER (M1) (QTY 2)		
NS B1368052	WHEEL, BLOWER (M2, M3) (QTY 2)		

Cond Fan and Evap Coil Assembly

Image 1

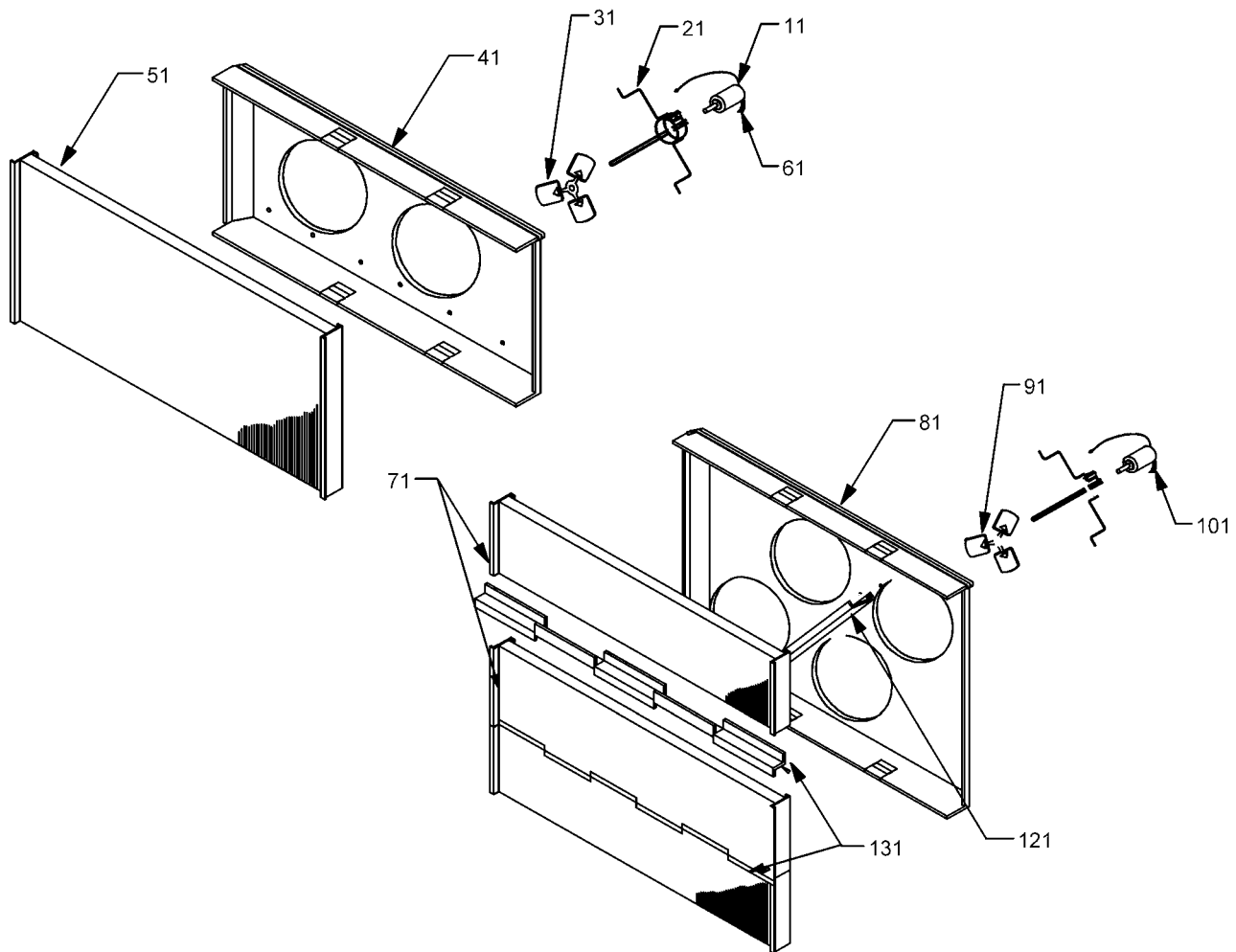
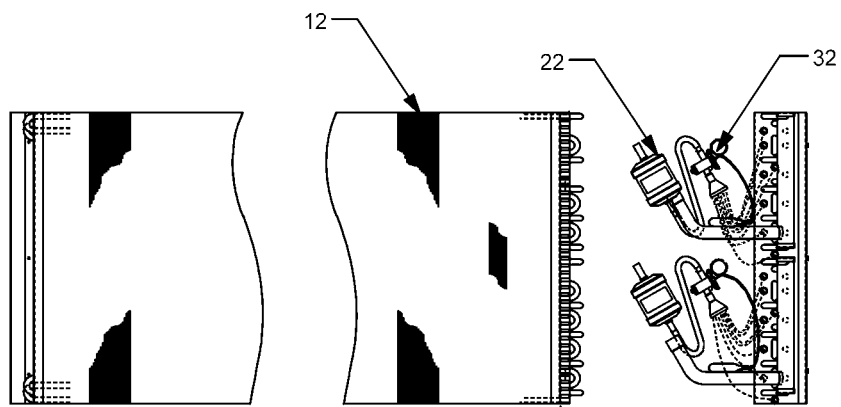


Image 2



Cond Fan and Evap Coil Assembly

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

11	B3240001	MOTOR , CONDENSER 1/2 HP (QTY AR)
21	B3201301	MOTOR MOUNT, COND (QTY AR)
31	B1086760	IMPELLER/CONDENSER FAN (M1)
41	3210000F	PANEL, FAN (M1)
51	1262504	ASSY, COND COIL (M1)
61	3268402F	WIRE ASSY, 6-POSITION INTERLOCK (M1, M2)
71	1262505	ASSY, COND COIL (M2)
71	1262506	ASSY, COND COIL (M3)
81	3255500F	PANEL, FAN (M2, M3)
91	B1086761	IMPELLER/CONDENSER FAN (M3)
91	B1086762	IMPELLER/CONDENSER FAN (M2)
101	0230A00000P	WIRE ASSY, 6-POSITION INTERLOCK (M3)
121	3252000F	SUPPORT, CONDENSER (M3)
131	3246500F	CHANNEL, COIL (M2)
131	3251500F	CHANNEL, COIL (M3)

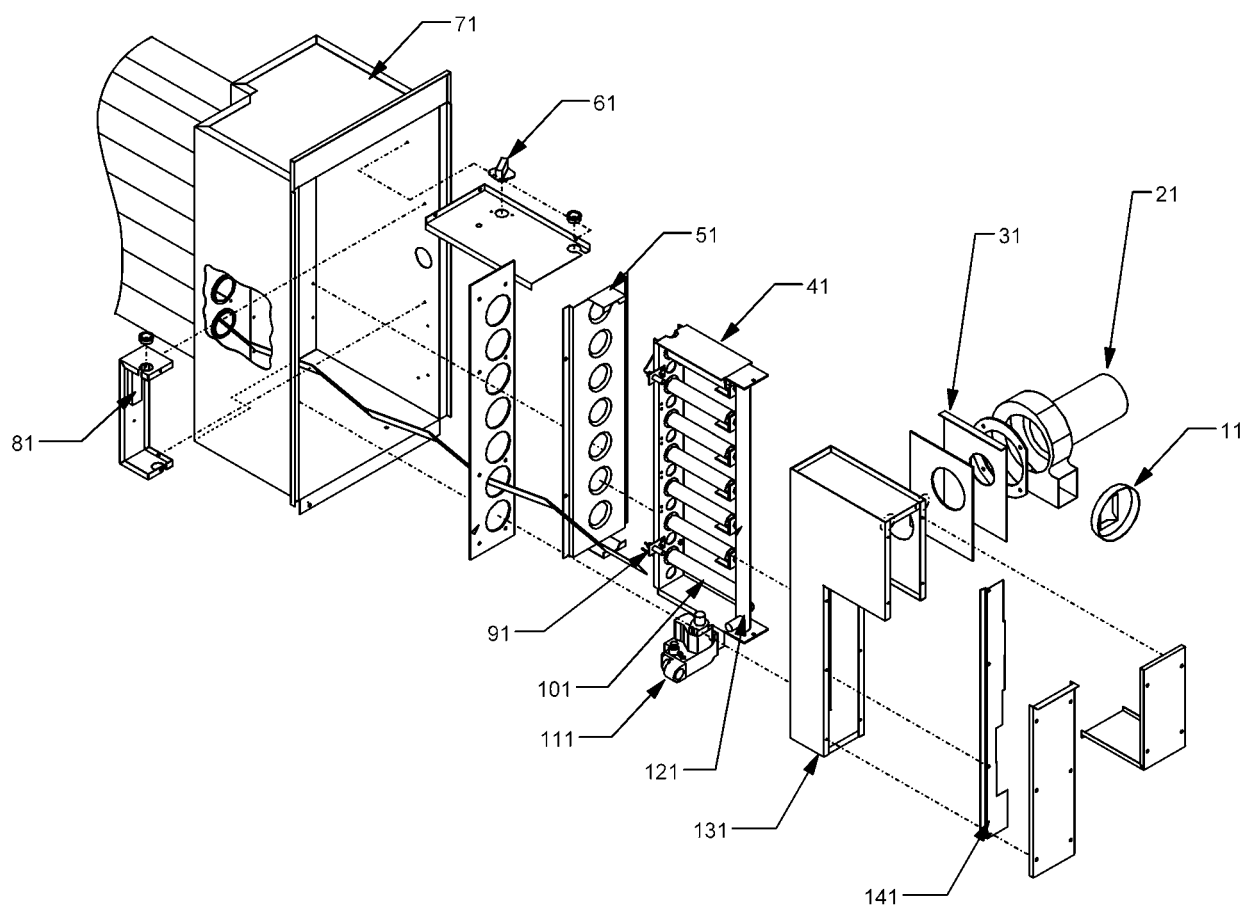
Image 2:

12	1262615	ASSY, EVAP COIL (M1)
12	1262618	ASSY, EVAP COIL (M2)
12	1262620	ASSY, EVAP COIL (M3)
22	B1219225	FILTER DRIER, SINGLE-FLOW (QTY AR)
32	B1284655	EXPANSION VALVE (QTY AR)
NS	B1369610	FILTER, 16 X 25 X 2, STANDARD (M2, M3)
NS	B1369611	FILTER, 20 X 25 X 2, STANDARD (M2, M3)
NS	B1369612	FILTER, 25 X 25 X 2, STANDARD (M1)
NS	B1787000	VALVE CORE (QTY 6)

Expanded Model Nomenclature

M1 - PGB090210-5F M2 - PGB120245-5F M3 - PGB180245-5F

Heat Exchanger Assembly



Heat Exchanger Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	3200701F		SLEEVE (M1)
11	3200702F		SLEEVE (M2, M3)
21	B3233004		VENT MOTOR (M1)
21	B3233005		VENT MOTOR (M2, M3)
31	3204002F		PLATE, ORIFICE 2.75 DIA
41	3218000F		SUPPORT, BURNER (M1)
41	3218001F		SUPPORT, BURNER (M2, M3)
51	3217500F		PANEL, VENTURI (M1)
61	B1370165		CONTROL - TEMP, ROLLOUT SWITCH
71	3227200S		ASSY, HEAT EXCHANGER (M1)
71	3227201S		ASSY, HEAT EXCHANGER (M2, M3)
81	B1370751		RELAY, 24V
91	B1172607		BURNER - SENSOR
101	B1822514		BURNER - INSHOT (QTY 6)
111	B1282625		GAS VALVE (50 HZ)
121	B3226003		MANIFOLD (M1)
121	B3226004		MANIFOLD (M2, M3)
131	3238300F		ASSY, FLUE WELD
141	3220000F		BAFFLE, FURNACE (M1)
141	3260500F		BAFFLE, FURNACE (M2, M3)
NS	B1822515		BURNER TUBE CARRY OVER
NS	B1401017		IGNITION CABLE
NS	B3289358		ORIFICE
NS	B3239736		ORIFICE BURNER #36 (QTY AR)

Expanded Model Nomenclature

M1 - PGB090210-5F M2 - PGB120245-5F M3 - PGB180245-5F

Control Box Assembly

Image 1

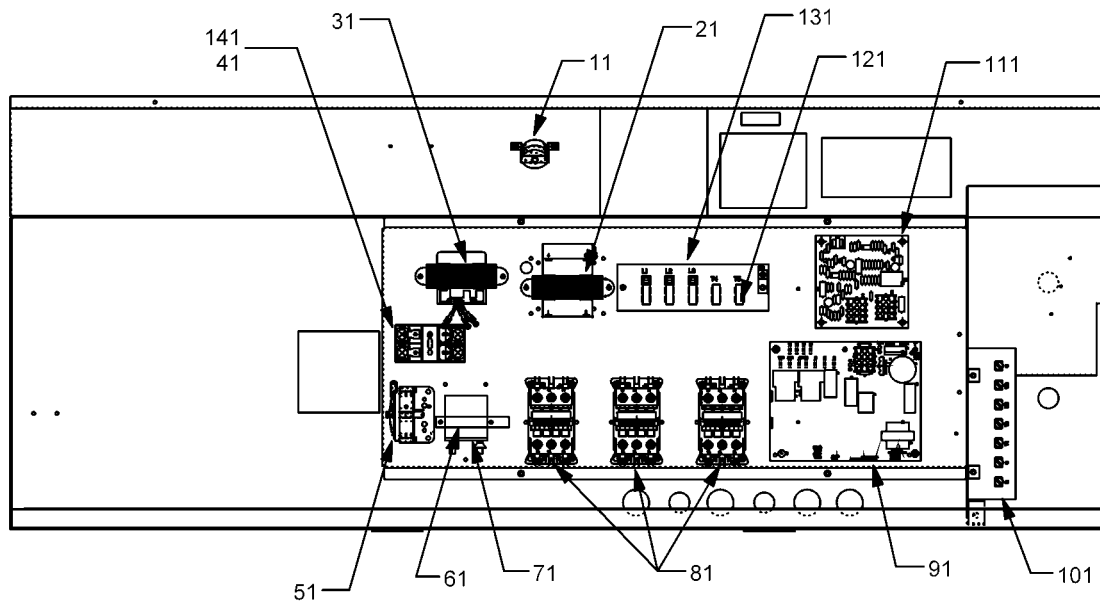
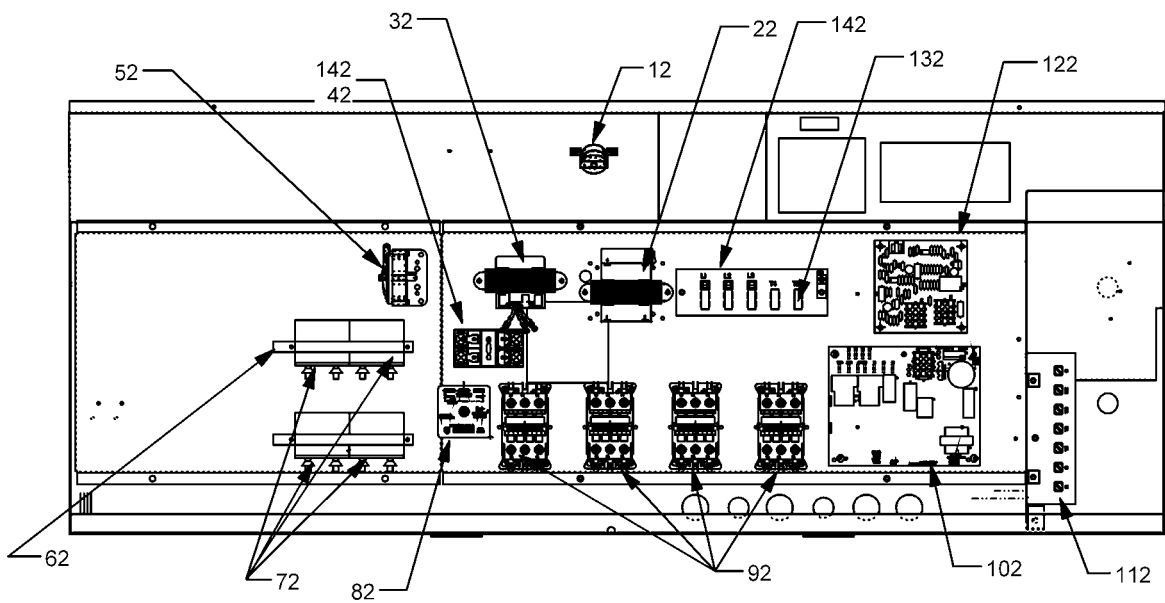


Image 2



Control Box Assembly

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

11	B1370117	MILD AMBIENT CONTROL (M1, M2)
21	B1141667	TRANSFORMER 50 HZ (M1, M2)
31	B1141655	TRANSFORMER 380-415, 75V (M1, M2)
41	B1170557	FUSE HOLDER (M1, M2)
51	B1370175	SWITCH, AIR PRESSURE (M1)
51	B1370176	SWITCH, AIR PRESSURE (M2)
61	B945651	CAPACITOR 7.5/370 (M1, M2)
71	20520901	CAPACITOR STRAP (M1, M2)
81	B1360315	CONTACTOR, 25 AMP, 3P, 24V (M1, M2)
91	B1809921	IGNITION CONTROL, DSI 50 HZ, CE (M1, M2)
101	B1368265	TERMINAL BOARD, 24V (M1, M2)
111	B1809922	AUXILIARY MODULE, 50HZ (CE) (M1, M2)
121	B1378540	TERMINAL MULTIPLIER (M1, M2)
131	B1368264	TERMINAL BOARD, POWER (M1, M2)
141	B1170555	FUSE, GAS HEAT, 460V (M1, M2)
NS	2968415F	ASSY, CONNECTION PLUG 12-PIN (M1, M2)
NS	2268402F	ASSY, MALE PLUG 7.5/10 TON (M1, M2)
NS	3268400F	WIRE ASSY, 12-PIN MALE (M1, M2)
NS	3268401F	WIRE ASSY, 9-PIN FEMALE (M1, M2)

Image 2:

12	B1370117	MILD AMBIENT CONTROL (M3)
22	B1141667	TRANSFORMER 50 HZ (M3)
32	B1141655	TRANSFORMER 380-415, 75V (M3)
42	B1170557	FUSE HOLDER (M3)
52	B1370176	SWITCH, AIR PRESSURE (M3)
62	20520901	CAPACITOR STRAP (M3)
72	B945651	CAPACITOR 7.5/370 (M3)
82	B1400901	TIMER, 60 SECONDS (M3)
92	B1360315	CONTACTOR, 25 AMP, 3P, 24V (M3)
102	B1809921	IGNITION CONTROL, DSI 50 HZ, CE (M3)
112	B1368265	TERMINAL BOARD, 24V (M3)
122	B1809922	AUXILIARY MODULE, 50HZ (CE) (M3)
132	B1378540	TERMINAL MULTIPLIER (M3)
142	B1170555	FUSE, GAS HEAT, 460V (M3)
142	B1368264	TERMINAL BOARD, POWER (M3)
NS	2968415F	ASSY, CONNECTION PLUG 12-PIN (M3)
NS	2268402F	ASSY, MALE PLUG 7.5/10 TON (M3)
NS	3268400F	WIRE ASSY, 12-PIN MALE (M3)
NS	3268401F	WIRE ASSY, 9-PIN FEMALE (M3)

Expanded Model Nomenclature

M1 - PGB090210-5F
M2 - PGB120245-5F
M3 - PGB180245-5F