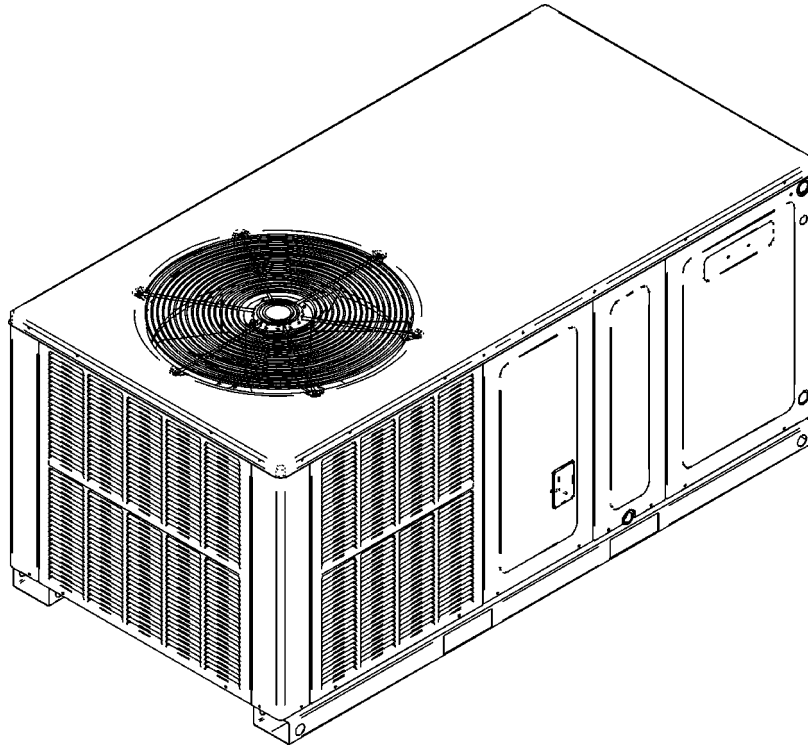


REPAIR PARTS

GPC14 H-Series R410-A Package Coolers

GPC1424H41AB
GPC1424H41AC
GPC1424H41BA
GPC1430H41AB
GPC1430H41AC
GPC1430H41BA
GPC1436H41AB
GPC1436H41BA
GPC1442H41AB
GPC1442H41AC
GPC1442H41BA
GPC1448H41AB
GPC1448H41AC
GPC1448H41BA
GPC1460H41AB
GPC1460H41BA



This manual is to be used by qualified technicians only.

This manual replaces RP-622A.

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Important Information

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

Rev B: Models with Aluminum Evaporator Coils

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

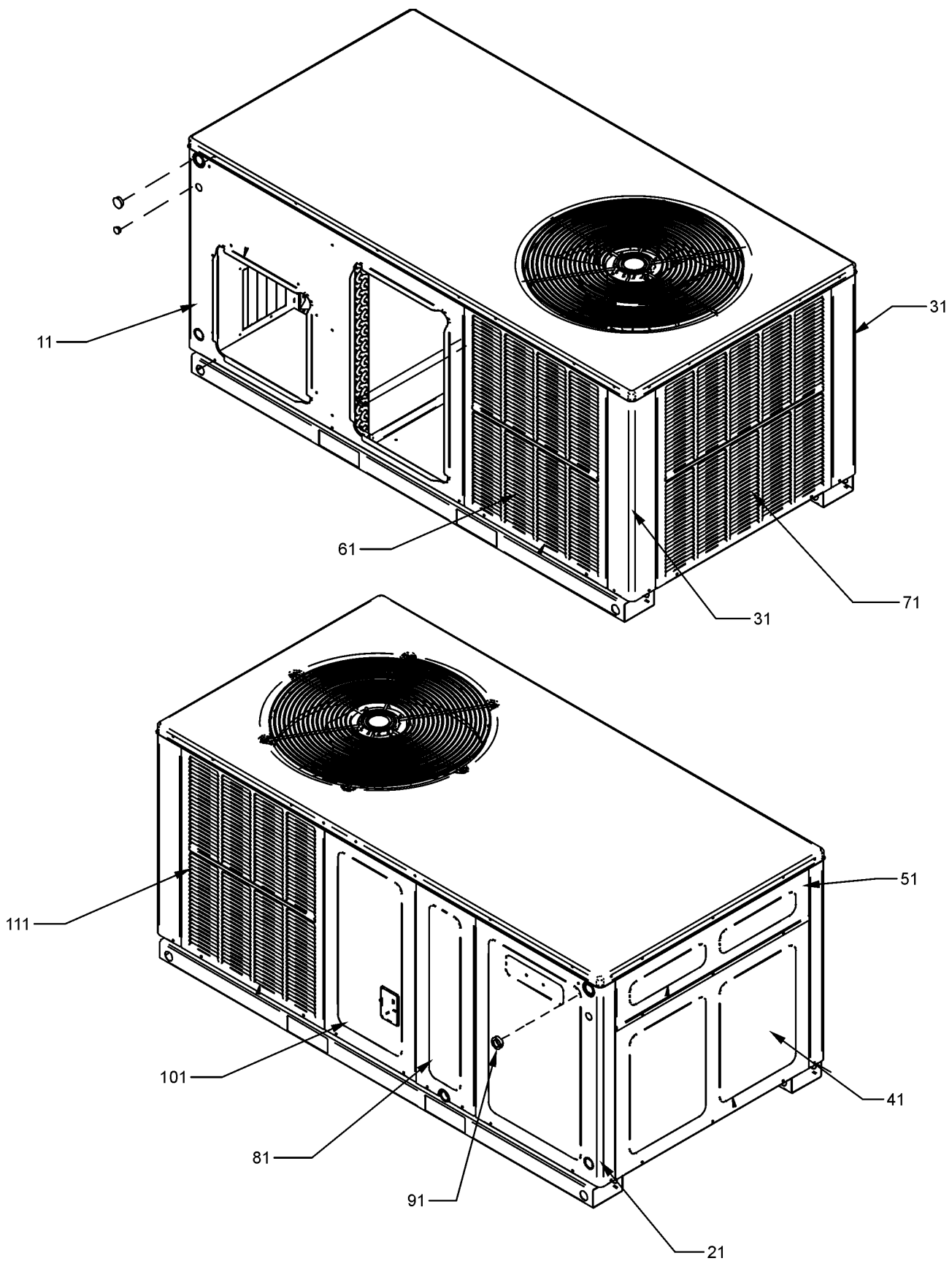
Part

No:

Description:

0131M00209	BLOWER MOTOR 1/2 HP PROGRAMMED (M7, M8)
0131M00207	BLOWER MOTOR 1/2 HP PROGRAMMED (M1, M2, M3)
0131M00210	BLOWER MOTOR 1/2 HP PROGRAMMED (M9, M10, M11)
0131M00208	BLOWER MOTOR 1/2 HP PROGRAMMED (M4, M5, M6)
0131M00211	BLOWER MOTOR 3/4 HP PROGRAMMED (M15, M16)
0131M00206	BLOWER MOTOR 3/4 HP PROGRAMMED (M12, M13, M14)
B1368016S	BLOWER WHEEL 10 X 8 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
B1368054	BLOWER WHEEL 11 X 8 (M15, M16)
CAP050700440RTS	CAP,5/70 MFD/440V/DUAL RD (M15, M16)
CAP050350440RSS	CAPACITOR 5/35/440V (M1, M2, M3)
CAP050400440RTS	CAPACITOR 5/40/440V (M4, M5, M6)
CAP050450440RTS	CAPACITOR 5/45/440V (M7, M8, M9, M10, M11, M12, M13, M14)
ZP20K5EPFV830	COMPRESSOR 20000, 208/230/60/1 (M1, M2, M3)
ZP24K5EPFV830	COMPRESSOR 24000, 208/230/60/1 (M4, M5, M6)
ZP31K5EPFV830	COMPRESSOR 31100, 208/230/60/1 (M7, M8)
ZP34K5EPFV830	COMPRESSOR 34500, 208/230/60/1 (M9, M10, M11)
ZP39K5EPFV830	COMPRESSOR 39000, 208/230/60/1 (M12, M13, M14)
ZP51K5EPFV830	COMPRESSOR 51000, 208/230/60/1 (M15, M16)
0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M9, M10, M11, M12, M13, M14, M15, M16)
0131M00009PS	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M2, M3, M4, M5, M6)
0131M00061S	COND MOTOR, 1/4HP, 1SP, 8PL (M7, M8)
CONT2P025024VS	CONTACTOR 25 AMP, 2P, 24V (M1, M2, M3, M4, M5, M6, M7, M8)
CONT2P030024VS	CONTACTOR 30 AMP, 2P, 24V (M9, M10, M11, M12, M13, M14)
CONT2P040024VS	CONTACTOR 40 AMP, 2P, 24V (M15, M16)
0150G00004	FAN BLADE (M9, M10, M11, M12, M13, M14)
0150G00001S	FAN BLADE (M15, M16)
0150G00005S	FAN BLADE (M1, M2, M3, M4, M5, M6)
B1086765S	FAN BLADE TYPE 3 (M7, M8)
B1141643	TRANSFORMER 208/230, 24V

Cabinet Assembly



Cabinet Assembly

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

Image 1:

11	0270G00008PS	INSULATED ASSY, DUCT PANEL 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
11	0270G00009PS	INSULATED ASSY, DUCT PANEL 32.5" (M9, M10, M11)
11	0270G00010PS	INSULATED ASSY, DUCT PANEL 36" (M12, M13, M14, M15, M16)
21	0270G00011PS	INSULATED ASSY, CORNER PANEL 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
21	0270G00012PS	INSULATED ASSY, CORNER PANEL 32.5" (M9, M10, M11)
21	0270G00013PS	INSULATED ASSY, CORNER PANEL 36" (M12, M13, M14, M15, M16)
31	0121G00047PDGS	CORNER POST 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
31	0121G00048PDGS	CORNER POST 32.5" (M9, M10, M11)
31	0121G00082PDGS	CORNER POST 36" (M12, M13, M14, M15, M16)
41	0270G00113S	INSULATED ASSY, BLOWER DOOR 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
41	0270G00114S	INSULATED ASSY, BLOWER DOOR 32.5" (M9, M10, M11)
41	0270G00115S	INSULATED ASSY, BLOWER DOOR 36" (M12, M13, M14, M15, M16)
51	0121G00276DGS	EXTERNAL CONTROL BOX PANEL
61	0121G00069PDGS	LOUVERED PANEL 4 BANK 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
61	0121G00070PDGS	LOUVERED PANEL 4 BANK 32.5" (M9, M10, M11)
61	0121G00090PDGS	LOUVERED PANEL 4 BANK 36" (M12, M13, M14, M15, M16)
71	0121G00072PDGS	LOUVERED PANEL 5 BANK 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
71	0121G00073PDGS	LOUVERED PANEL 5 BANK 32.5" (M9, M10, M11)
71	0121G00091PDGS	LOUVERED PANEL 5 BANK 36" (M12, M13, M14, M15, M16)
81	0270G00017PS	INSULATED ASSY, EVAP PANEL 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
81	0270G00018PS	INSULATED ASSY, EVAP PANEL 32.5" (M9, M10, M11)
81	0270G00019PS	INSULATED ASSY, EVAP PANEL 36" (M12, M13, M14, M15, M16)
91	B1392011	GROMMET / HS .62 - .45
101	0121G00087PDGS	PNL, COMP 8.75"X36" (M12, M13, M14, M15, M16)
101	0121G00062PDGS	PNL, COMP, 13.68" X 27.50" (M1, M2, M3, M4, M5, M6, M7, M8)
101	0121G00060PDGS	PNL, COMP, 8.75" X 32.50" (M9, M10, M11)
111	0121G00069PDGS	LOUVERED PANEL 4 BANK 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
111	0121G00073PDGS	LOUVERED PANEL 5 BANK 32.5" (M9, M10, M11)
111	0121G00091PDGS	LOUVERED PANEL 5 BANK 36" (M12, M13, M14, M15, M16)

Expanded Model Nomenclature

M1 - GPC1424H41AB
M2 - GPC1424H41AC
M3 - GPC1424H41BA
M4 - GPC1430H41AB
M5 - GPC1430H41AC
M6 - GPC1430H41BA
M7 - GPC1436H41AB
M8 - GPC1436H41BA
M9 - GPC1442H41AB
M10 - GPC1442H41AC
M11 - GPC1442H41BA
M12 - GPC1448H41AB
M13 - GPC1448H41AC
M14 - GPC1448H41BA
M15 - GPC1460H41AB
M16 - GPC1460H41BA

Chassis Assembly

Image 1

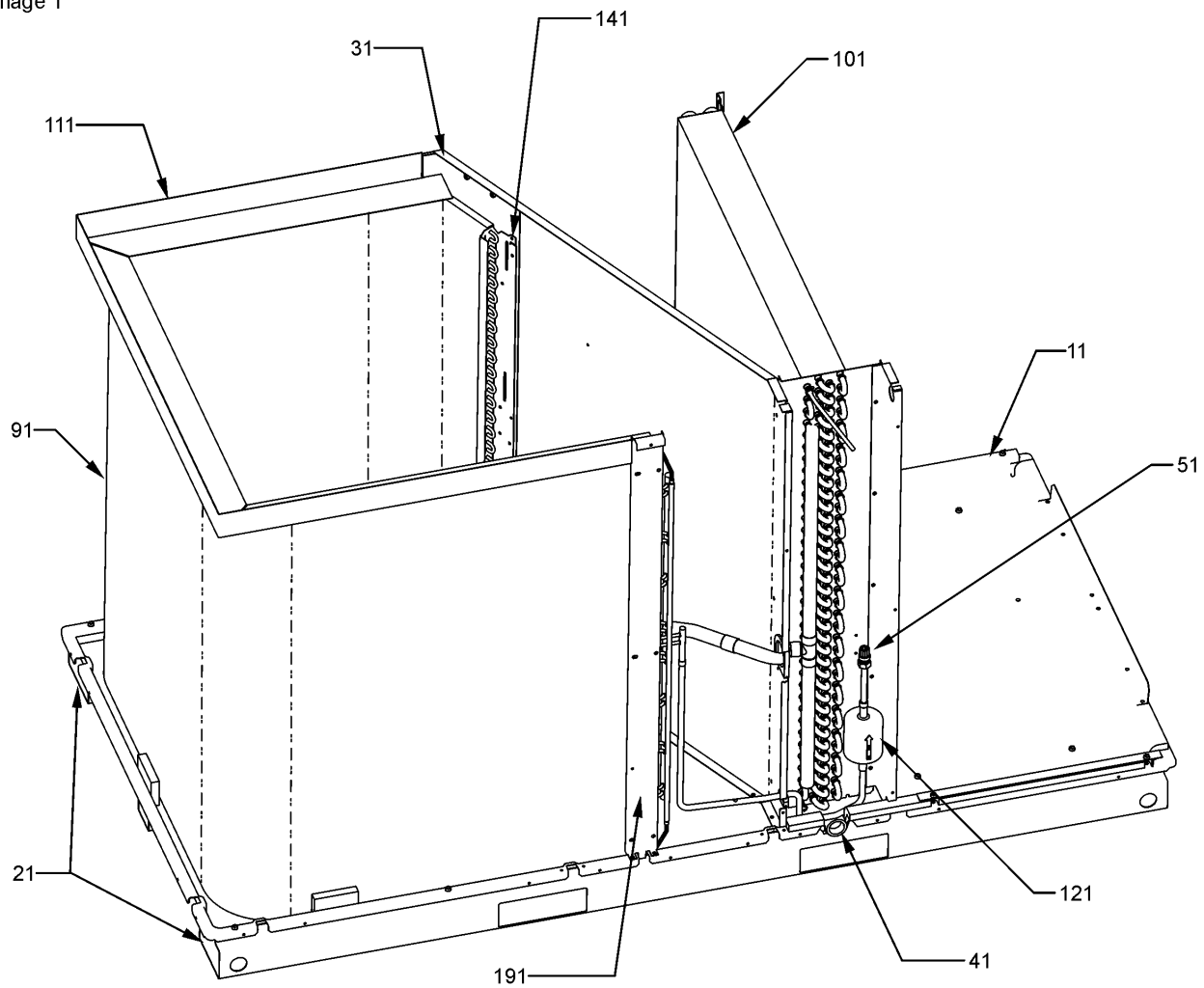
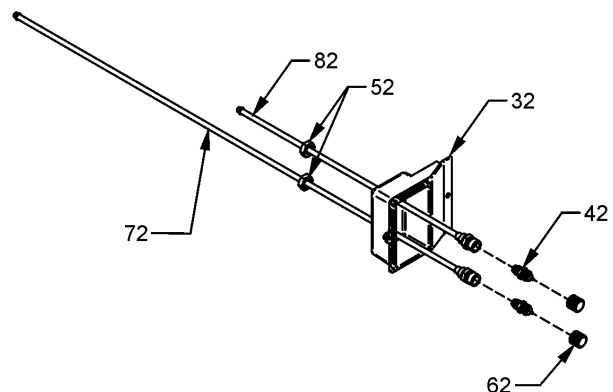


Image 2



Chassis Assembly

Ref. Part			Ref. Part		
No:	No:	Description:	No:	No:	Description:
Image 1:			Image 1:		
11	0273G00001P	INSULATED ASSY, BASEPAN	NS	0128G00052	EVAP DRIP SHIELD (M3, M6, M8, M11, M14, M16)
21	0121G00044PS	BASE PAN RAIL (QTY 2)	Image 2:		
31	0270G00075	INSULATED ASSY, PARTITION PANEL 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)	32	0161G00001P	ACCESS FITTING BOX
31	0270G00076	INSULATED ASSY, PARTITION PANEL 32.5" (M9, M10, M11)	42	B1373315	ACCESS FITTING (QTY 2)
31	0270G00077	INSULATED ASSY, PARTITION PANEL 36" (M12, M13, M14, M15, M16)	52	0163G00000P	FASTEST FITTING NUT (QTY 2)
41	0270G00004PS	DRAIN PAN ASSY (M1, M2, M4, M5, M7, M9, M10, M12, M13, M15)	62	B9102097	CAP W/O-RING (QTY 2)
41	0270G00254	DRAIN PAN ASSY (M3, M6, M8, M11, M14, M16)	72	0210G00031P	PROCESS TUBE ASSY-SUCTION
51	0162M00093S	FLOWRATOR (M15, M16)	82	0210G00030P	PROCESS TUBE ASSY-LIQUID (M1, M4, M7, M9, M12)
51	0162M00111S	FLOWRATOR .057 (M1, M2, M3)	82	0210G00389	PROCESS TUBING ASSY - LIQUID (M2, M3, M5, M6, M8, M10, M11, M13, M14, M15, M16)
51	0162M00017PS	FLOWRATOR .062 (M4, M5, M6)	Expanded Model Nomenclature		
51	0162M000053	FLOWRATOR .068 (M7, M8)	M1 - GPC1424H41AB M2 - GPC1424H41AC M3 - GPC1424H41BA M4 - GPC1430H41AB M5 - GPC1430H41AC M6 - GPC1430H41BA M7 - GPC1436H41AB M8 - GPC1436H41BA M9 - GPC1442H41AB M10 - GPC1442H41AC M11 - GPC1442H41BA M12 - GPC1448H41AB M13 - GPC1448H41AC M14 - GPC1448H41BA M15 - GPC1460H41AB M16 - GPC1460H41BA		
51	0162M00109S	FLOWRATOR .072 (M9, M10, M11)			
51	0162M00147	FLOWRATOR .078 (M12, M13, M14)			
91	0201G00182	COND COIL TUBING ASSY (M1, M2, M3)			
91	0201G00183	COND COIL TUBING ASSY (M4, M5, M6, M7, M8)			
91	0201G00187	COND COIL TUBING ASSY (M9, M10, M11)			
91	0201G00190	COND COIL TUBING ASSY (M12, M13, M14)			
91	0201G00245	COND COIL TUBING ASSY (M15, M16)			
101	0202G00258S	EVAP COIL TUBING ASSY (M15)			
101	0202G00264S	EVAP COIL TUBING ASSY (M12, M13)			
101	0202G00269S	EVAP COIL TUBING ASSY (M9, M10)			
101	0202G00273S	EVAP COIL TUBING ASSY (M7)			
101	0202G00300S	EVAP COIL TUBING ASSY (M1, M2)			
101	0202G00310S	EVAP COIL TUBING ASSY (M4, M5)			
101	0202G00351	EVAP COIL TUBING ASSY (M3)			
101	0202G00352	EVAP COIL TUBING ASSY (M8)			
101	0202G00354	EVAP COIL TUBING ASSY (M11)			
101	0202G00355	EVAP COIL TUBING ASSY (M14)			
101	0202G00373	EVAP COIL TUBING ASSY (M6)			
101	0202G00381	EVAP COIL TUBING ASSY (M16)			
111	0121G00368	CONDENSER COIL BLOCKOFF (M1, M2, M3, M4, M5, M6, M7, M8)			
111	0121G00372	CONDENSER COIL BLOCKOFF (M9, M10, M11, M12, M13, M14, M15, M16)			
121	B1219212	SINGLE-FLOW FILTER DRIER, STEEL (M1, M2, M3, M4, M5, M6, M7, M8)			
121	B1219225	SINGLE-FLOW FILTER DRIER, STEEL (M9, M10, M11, M12, M13, M14, M15, M16)			
141	0121G00365	PARTITION EXTENSION PANEL (M12, M13, M14, M15, M16)			
191	0121G00045P	POST 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)			
191	0121G00079P	POST 32.5" (M9, M10, M11)			
191	0121G00083P	POST 36" (M12, M13, M14, M15, M16)			
NS	0121G00043P	EVAP DRIP SHIELD (M1, M2, M4, M5, M7, M9, M10, M12, M13, M15)			

Compressor and Top Panel Assembly

Image 1

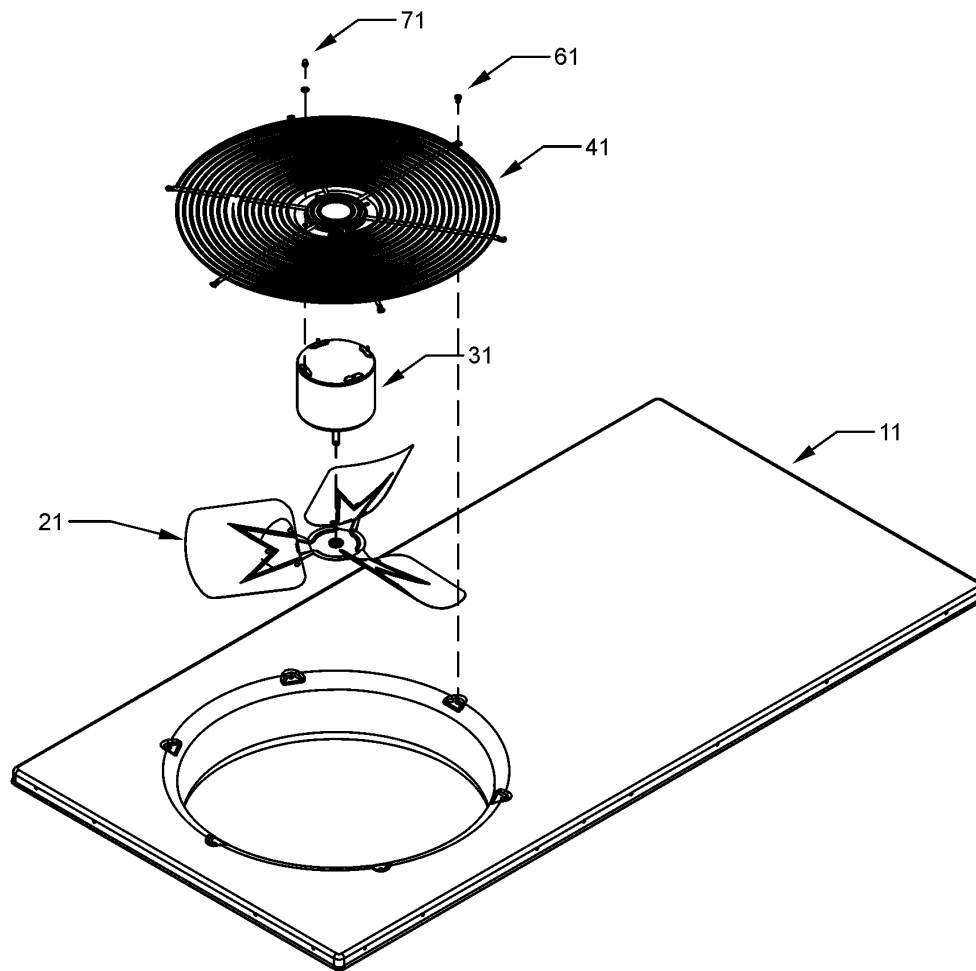
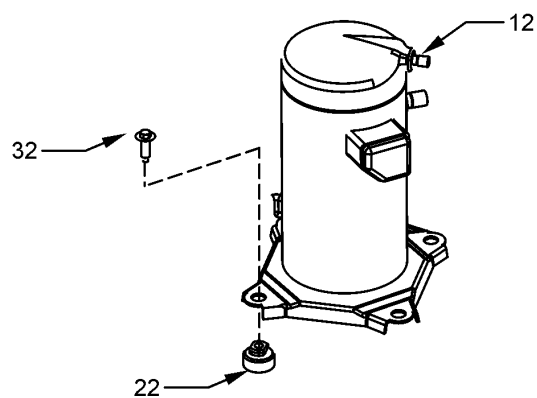


Image 2



Compressor and Top Panel Assembly

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

11	0274G00037	INSULATED ASSY, TOP PANEL
21	0150G00001S	FAN BLADE (M15, M16)
21	0150G00004	FAN BLADE (M9, M10, M11, M12, M13, M14)
21	0150G00005S	FAN BLADE (M1, M2, M3, M4, M5, M6)
21	B1086765S	FAN BLADE TYPE 3 (M7, M8)
31	0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M9, M10, M11, M12, M13, M14, M15, M16)
31	0131M00009PS	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M2, M3, M4, M5, M6)
31	0131M00061S	COND MOTOR, 1/4HP, 1SP, 8PL (M7, M8)
41	0152G00002S	GRILLE-FAN
61	M0221817	SMALL SCREW (QTY 6)
71	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)
NS	17788000083F	PVC CONDUIT 8.25"

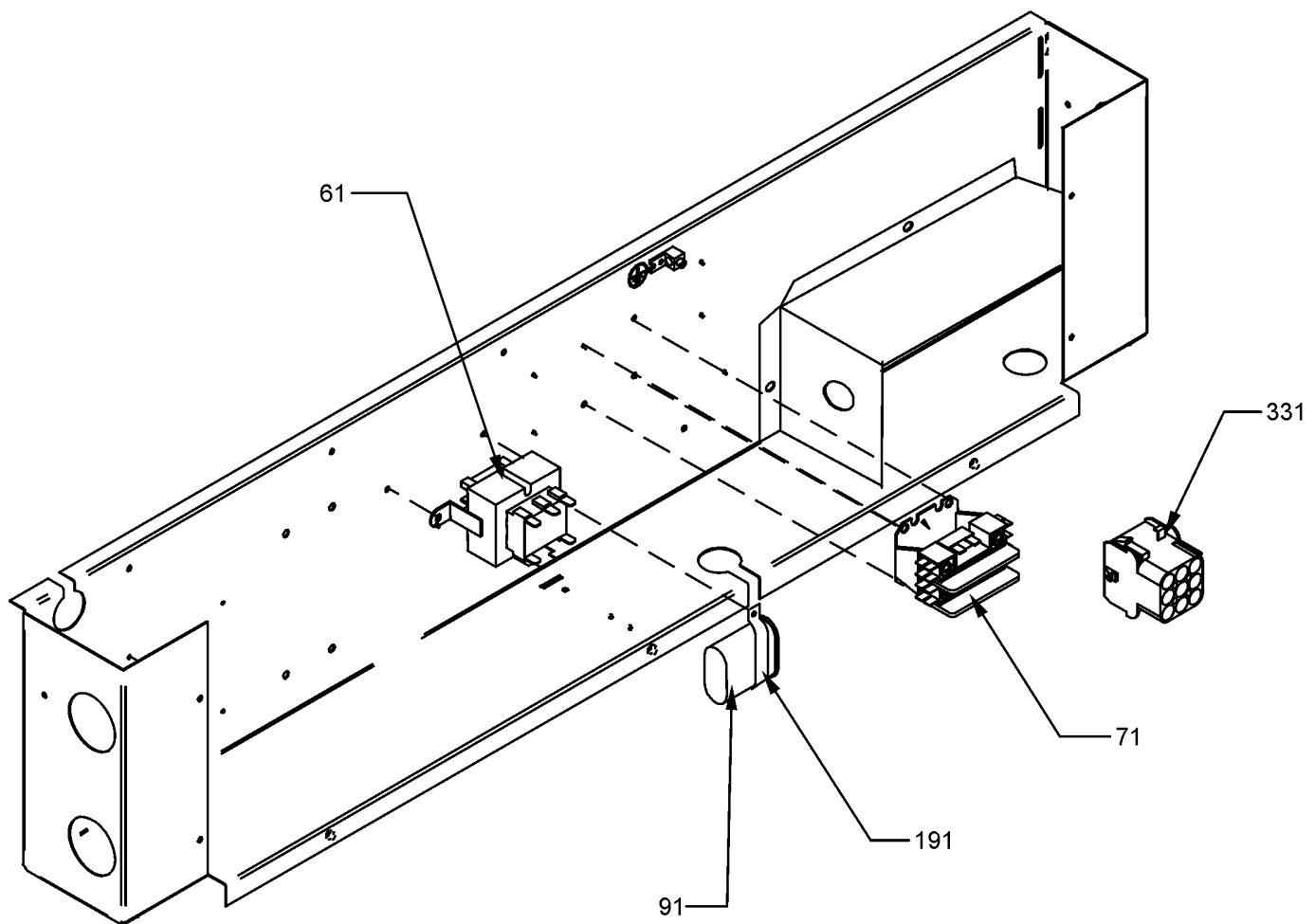
Image 2:

12	ZP20K5EPFV830	COMPRESSOR 20000, 208/230/60/1 (M1, M2, M3)
12	ZP24K5EPFV830	COMPRESSOR 24000, 208/230/60/1 (M4, M5, M6)
12	ZP31K5EPFV830	COMPRESSOR 31100, 208/230/60/1 (M7, M8)
12	ZP34K5EPFV830	COMPRESSOR 34500, 208/230/60/1 (M9, M10, M11)
12	ZP39K5EPFV830	COMPRESSOR 39000, 208/230/60/1 (M12, M13, M14)
12	ZP51K5EPFV830	COMPRESSOR 51000, 208/230/60/1 (M15, M16)
22	B1339530	COMPRESSOR GROMMET (M1, M2, M3, M4, M5, M6)
22	B1339533	COMPRESSOR GROMMET (M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
32	M0221641	TF SHOULDER SCREW (QTY 4)
NS	0159G00004	COMPRESSOR SCROLL HARNESS

Expanded Model Nomenclature

M1 - GPC1424H41AB
M2 - GPC1424H41AC
M3 - GPC1424H41BA
M4 - GPC1430H41AB
M5 - GPC1430H41AC
M6 - GPC1430H41BA
M7 - GPC1436H41AB
M8 - GPC1436H41BA
M9 - GPC1442H41AB
M10 - GPC1442H41AC
M11 - GPC1442H41BA
M12 - GPC1448H41AB
M13 - GPC1448H41AC
M14 - GPC1448H41BA
M15 - GPC1460H41AB
M16 - GPC1460H41BA

Control Box Assembly



Control Box Assembly

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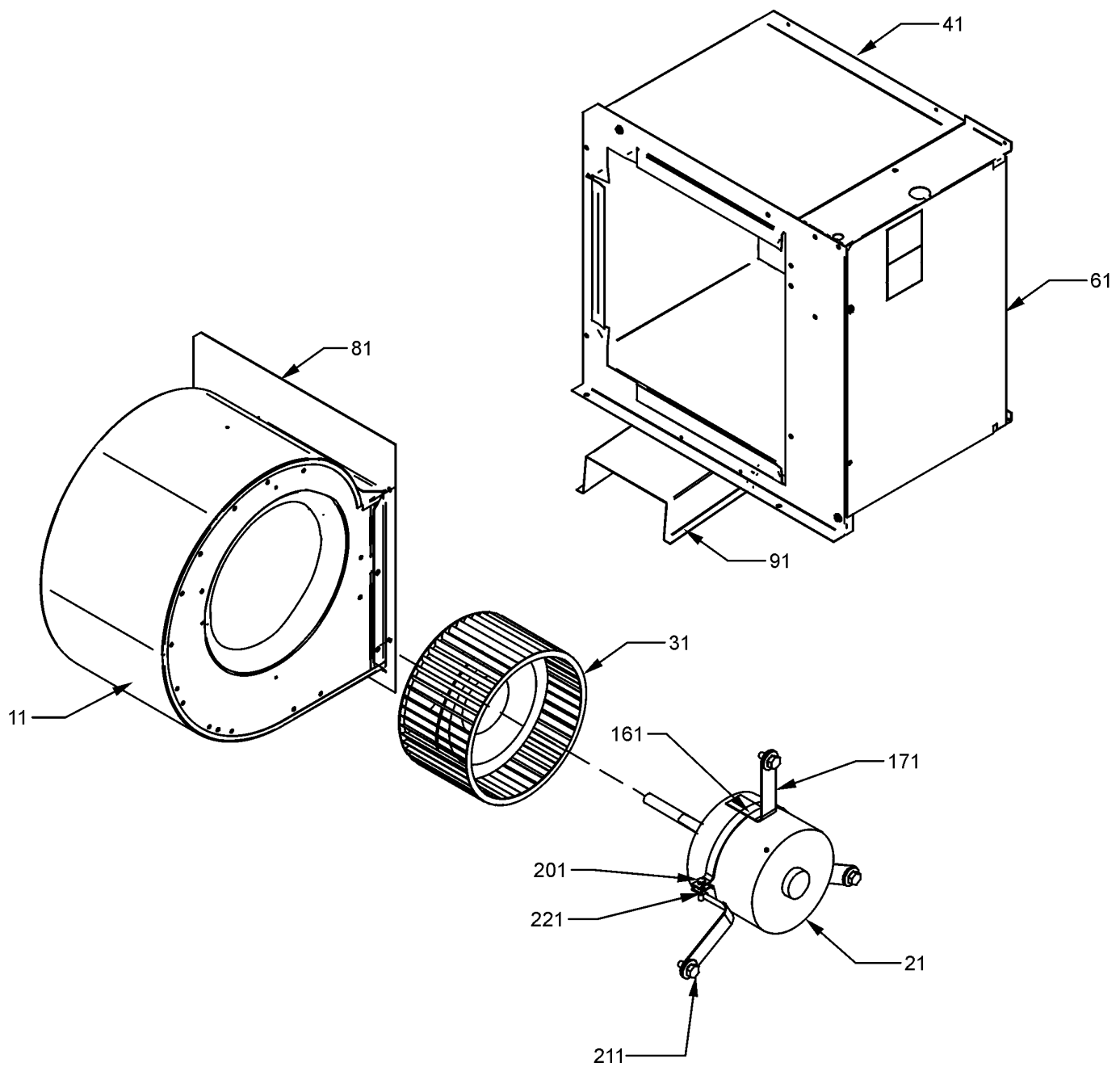
Image 1:

61	B1141643	TRANSFORMER 208/230, 24V
71	CONT2P025024VS	CONTACTOR 25 AMP, 2P, 24V (M1, M2, M3, M4, M5, M6, M7, M8)
71	CONT2P030024VS	CONTACTOR 30 AMP, 2P, 24V (M9, M10, M11, M12, M13, M14)
71	CONT2P040024VS	CONTACTOR 40 AMP, 2P, 24V (M15, M16)
91	CAP050700440RTS	CAP,5/70 MFD/440V/DUAL RD (M15, M16)
91	CAP050350440RSS	CAPACITOR 5/35/440V (M1, M2, M3)
91	CAP050400440RTS	CAPACITOR 5/40/440V (M4, M5, M6)
91	CAP050450440RTS	CAPACITOR 5/45/440V (M7, M8, M9, M10, M11, M12, M13, M14)
191	20520901	CAPACITOR STRAP
331	0259G00021	WIRE HARNESS, ELECTRIC HEAT

Expanded Model Nomenclature

M1 - GPC1424H41AB
M2 - GPC1424H41AC
M3 - GPC1424H41BA
M4 - GPC1430H41AB
M5 - GPC1430H41AC
M6 - GPC1430H41BA
M7 - GPC1436H41AB
M8 - GPC1436H41BA
M9 - GPC1442H41AB
M10 - GPC1442H41AC
M11 - GPC1442H41BA
M12 - GPC1448H41AB
M13 - GPC1448H41AC
M14 - GPC1448H41BA
M15 - GPC1460H41AB
M16 - GPC1460H41BA

Blower Assembly



Blower Assembly

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

Image 1:

11	10324248	BLOWER HOUSING 10 X 8 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
11	0271G00017	BLOWER HOUSING 11 X 8 (M15, M16)
21	0131M00207	BLOWER MOTOR 1/2 HP PROGRAMMED (M1, M2, M3)
21	0131M00208	BLOWER MOTOR 1/2 HP PROGRAMMED (M4, M5, M6)
21	0131M00209	BLOWER MOTOR 1/2 HP PROGRAMMED (M7, M8)
21	0131M00210	BLOWER MOTOR 1/2 HP PROGRAMMED (M9, M10, M11)
21	0131M00206	BLOWER MOTOR 3/4 HP PROGRAMMED (M12, M13, M14)
21	0131M00211	BLOWER MOTOR 3/4 HP PROGRAMMED (M15, M16)
31	B1368016S	BLOWER WHEEL 10 X 8 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
31	B1368054	BLOWER WHEEL 11 X 8 (M15, M16)
41	0270G00025PS	TRANSITION DUCT ASSY
61	0121G00039PS	PL, HK COVER
81	0121G00128P	BLOWER MOUNT (M15, M16)
81	0121G00035P	BLOWER MOUNT 10 X 8 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
91	0121G00040P	BLOWER SUPPORT
161	0121M00038	MOTOR MOUNT BAND
171	B1376853	MOTOR MOUNT ARM (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
171	B1376857	MOTOR MOUNT ARM (M15, M16)
201	B1393323	MACHINE SCREW HWH 1/4-20 X 1-1/2 BZ
211	M0250565	TC SCREW 1.25" (QTY 3)
221	B1393800	LOCKNUT, NYLON, INSERT 1/4, 20
NS	C6121810	BLOWER CUT-OFF (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
NS	2964700	BLOWER CUT-OFF 11 X 8 (M15, M16)

Expanded Model Nomenclature

M1 - GPC1424H41AB
M2 - GPC1424H41AC
M3 - GPC1424H41BA
M4 - GPC1430H41AB
M5 - GPC1430H41AC
M6 - GPC1430H41BA
M7 - GPC1436H41AB
M8 - GPC1436H41BA
M9 - GPC1442H41AB
M10 - GPC1442H41AC
M11 - GPC1442H41BA
M12 - GPC1448H41AB
M13 - GPC1448H41AC
M14 - GPC1448H41BA
M15 - GPC1460H41AB
M16 - GPC1460H41BA