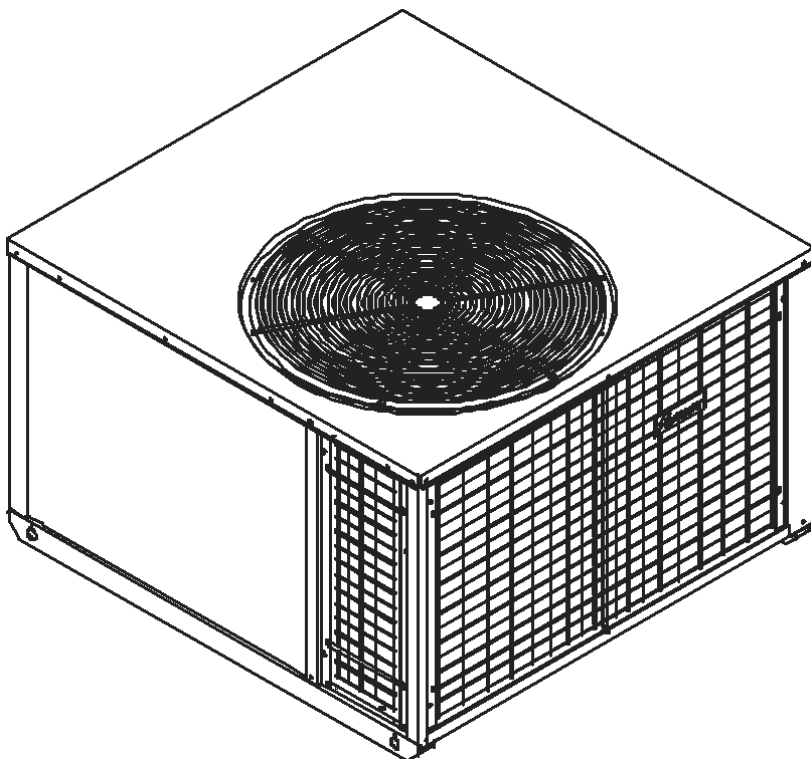


PGA* Package Gas Units

PGA48C0902F	P1236408C
PGA48C1152F	P1236409C
PGA60C0902F	P1236410C
PGA60C1152F	P1236411C



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This manual is to be used by qualified technicians only.

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 17

Views shown are for parts illustrations only, not servicing procedures

1-27-14: updates made(added heat exchanger assy)

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 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 Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman 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 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 Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

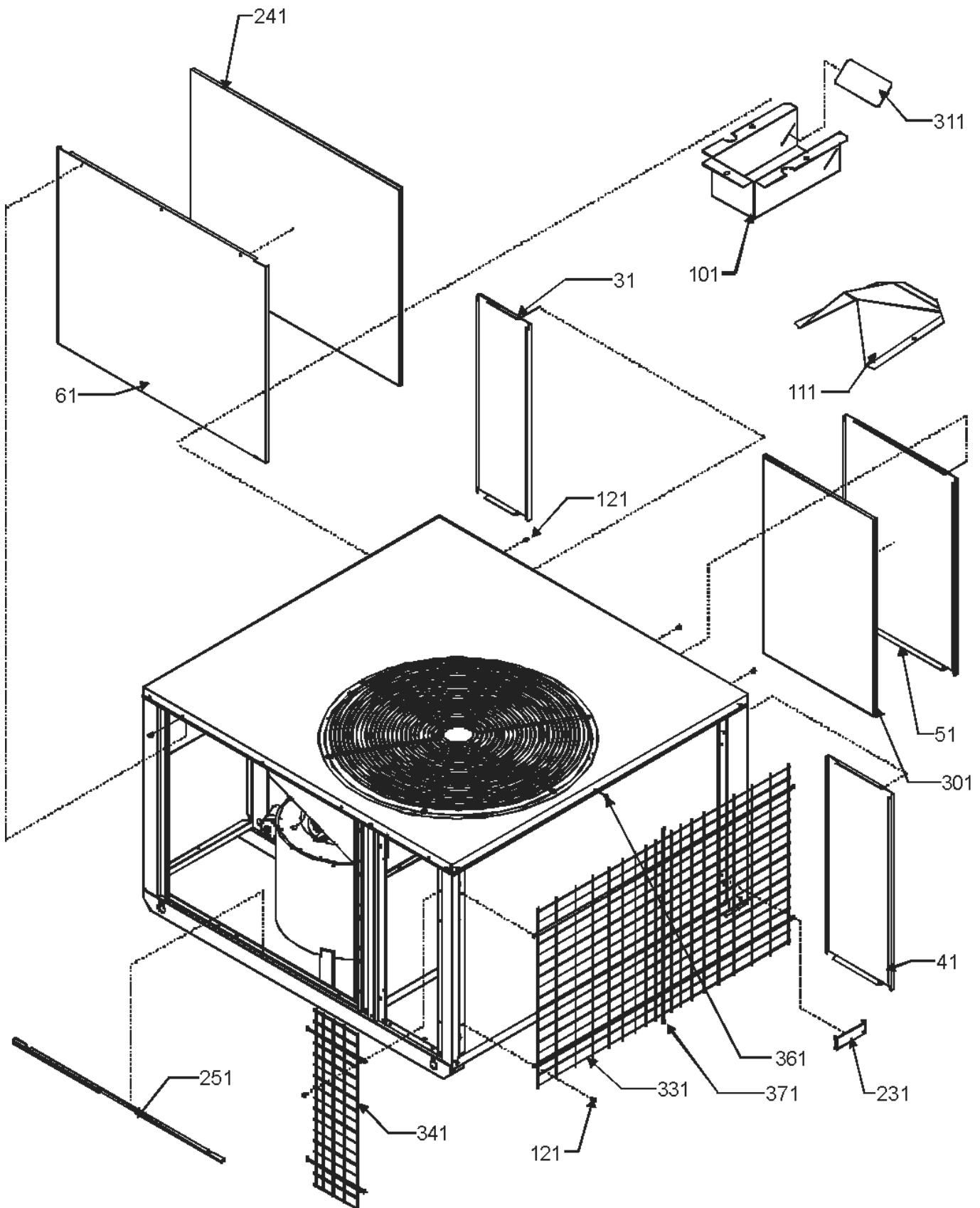
No: Description:

20028901	BLOWER-ID
CAP150000370VC	CAP, 15 MFD/370V/OVAL
CAP075500440RT	CAP, 7.5/50 MFD/440V/DUAL RD (M1, M2)
CAP075600370RT	CAP, 7.5/60 MFD/370V/DUAL RD (M3, M4)
ZR57KCPFV250	COMP,57500,208/230/60/1 (M3, M4)
20152601	COMPRESSOR HARNESS (M3, M4)
11120202	COMPRESSOR HARNESS (M1, M2)
10679722	COMP-TC AVD5545EXN (M1, M2)
20029602	COND ASSY (M1, M2)
20029702	COND ASSY (M3, M4)
11182906	CONDENSER FAN
22308302	CONTACTOR 30 AMP
20261102	CONTROL BOARD
C6453318	CUT-OUT SWITCH, LOW PRESSURE (M3, M4)
20029102	EVAP ASSY (M3, M4)
20029103	EVAP ASSY (M1, M2)
0130F00010	FLAME SENSOR
B1282628S	GAS VALVE, MANIFOLD (36G)
11119803	HARNESS-BLOWER
20261706	IGNITER
10123531	MANUAL RESET LIMIT-LIGHT PURPLE
11112806	MOTOR-COND
20028601	MOTOR-EVAP
10716003	ORIFICE (QTY A/R)
11076310	ORIFICE-PISTON EVAP (.0807) (M1, M2)
11076316	ORIFICE-PISTON EVAP (.0860) (M3, M4)
11113115	PART/TUBE ASSY (M1, M3)
11113116	PART/TUBE ASSY (M2, M4)
20269904	PRIMARY LIMIT (M2, M4)
20269905	PRIMARY LIMIT (M1, M3)
10728335	PRIMARY LIMIT
11154403	PTCR-START DEVICE (M1, M2)
11112501	SWITCH-PRESSURE
11120302	TRANSFORMER
20171401	VENTURI RING
11197701	WASHER-RETAINER (QTY 2)
D6723311	WHEEL-BLOWER
20262105	WIRING HARNESS (12-PIN CONNECTOR)

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C

Outer Case



Outer Case

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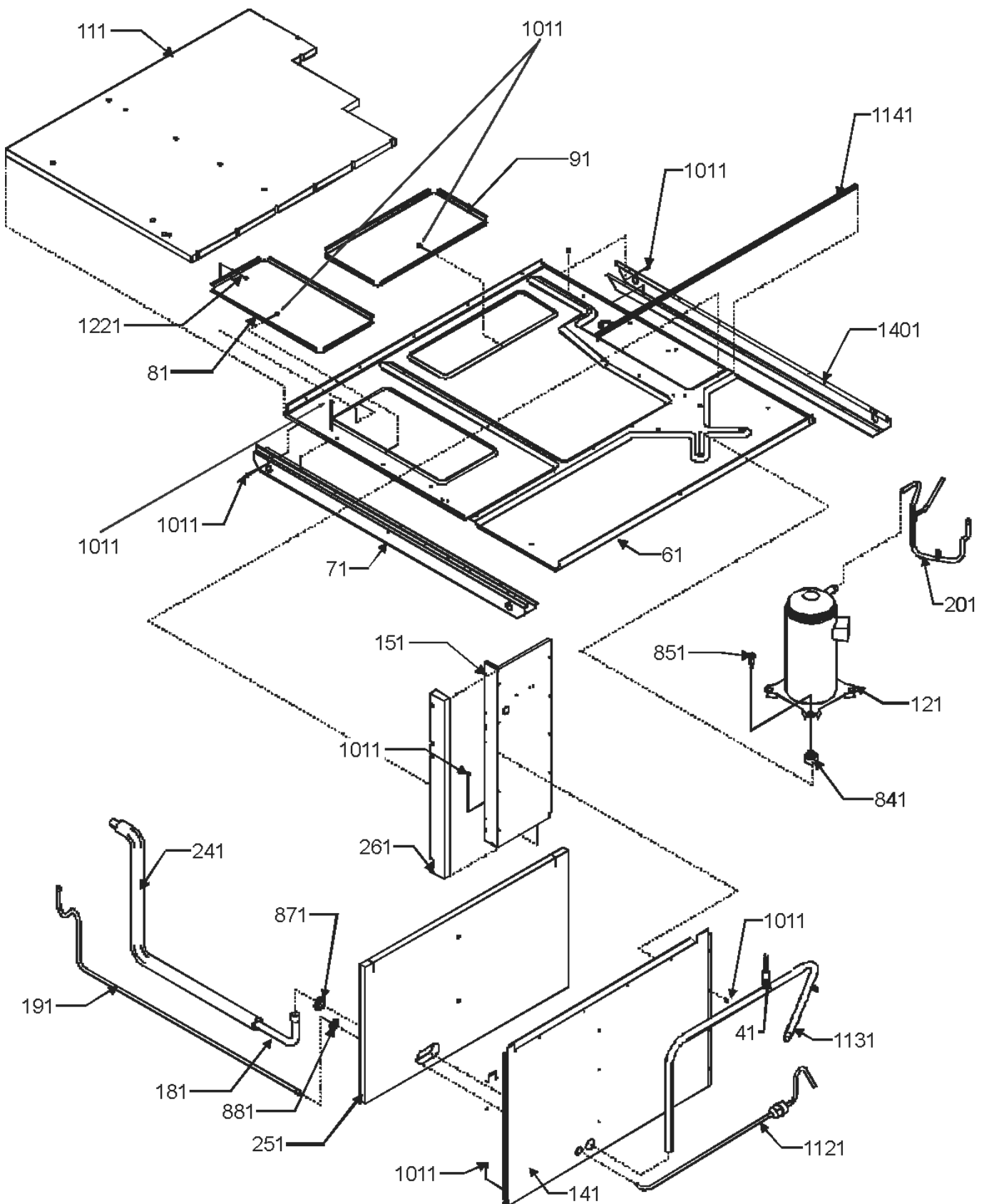
Image 1:

31	11099013	CABINET DOOR
41	11099014	CABINET DOOR
51	11099015	CABINET DOOR
61	11099016	CABINET DOOR
101	11182101	FLUE COVER
111	D9844406	AIR INTAKE HOOD
121	M0221817	SCREW-SM (QTY 8)
231	20187902A	NAMEPLATE-AMANA
241	11131102	INSUL-DOOR
251	20165801	FOAM GASKET
301	11131108	INSULATION, CABINET DOOR
311	11182001	FLUE BAFFLE
331	11186404	GRILLE-FLAT
341	11184704	GRILLE-FLAT
361	M0229130	SCREW-SD (QTY A/R)
371	A4539609	RIVET-POP

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C

Chassis



Chassis

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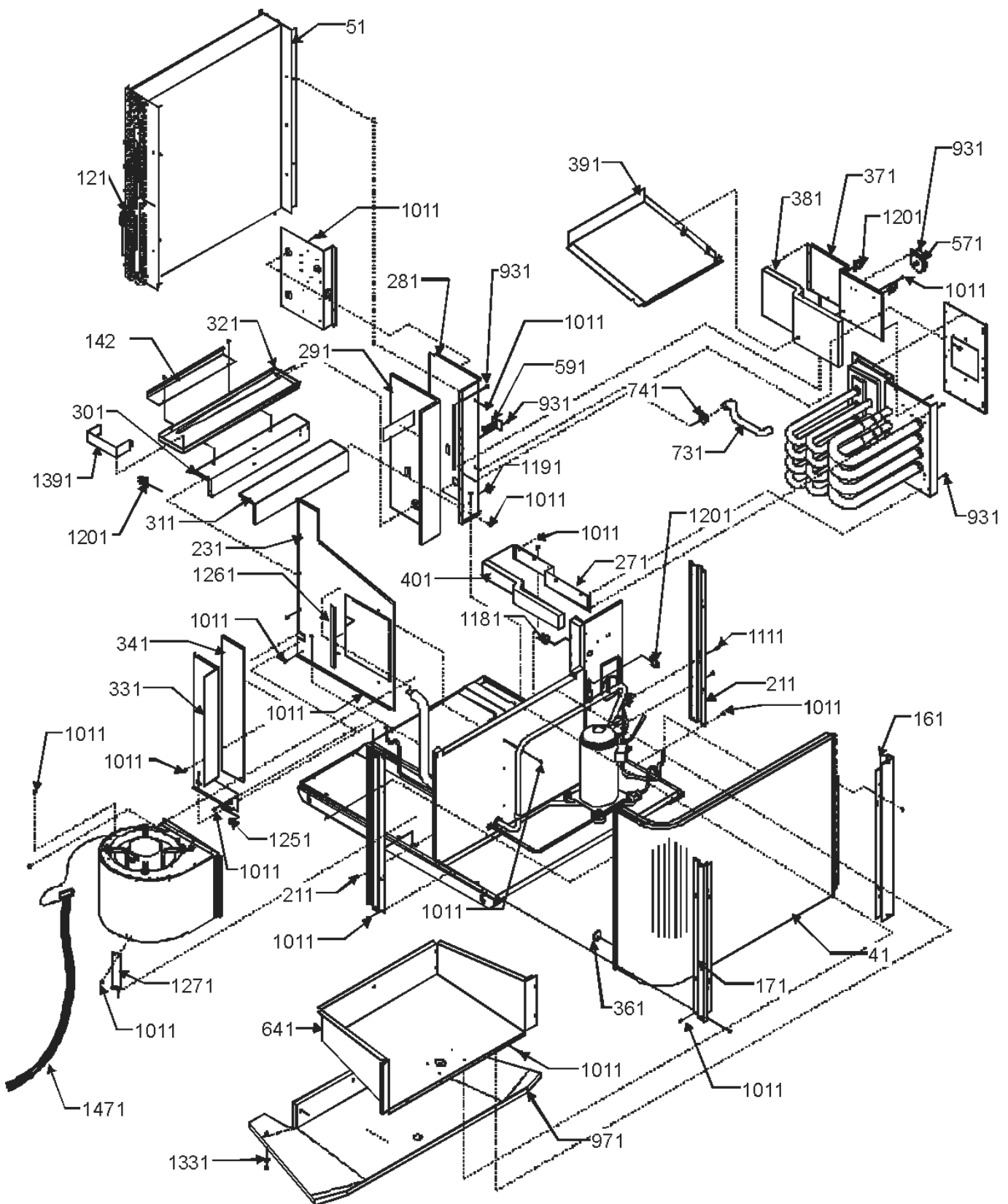
Image 1:

41	C6453318	CUT-OUT SWITCH, LOW PRESSURE (M3, M4)
61	11097601	BASE PAN
71	11097705	BASE PAN RAIL
81	11097003	DUCT COVER
91	11097004	DUCT COVER
111	11130301	INSUL-BASEPAN
121	ZR57KCPFV250	COMP,57500,208/230/60/1 (M3, M4)
121	10679722	COMP-TC AVD5545EXN (M1, M2)
141	11097907	COND PARTITION
151	11098006	PARTITION, HEAT EXCHANGER
181	20176104	TUBE- COMP/EVAP (M3, M4)
181	20030002	TUBE-COMP/EVAP
191	20038602	TUBE-LIQUID (M3, M4)
201	20176302	TUBE WELD-DISCH (M3, M4)
201	20359902	TUBE WELD-DISCH (M1, M2)
241	20156714	INSUL-PIPE
251	11130202	INSUL-COND
261	11130702	INSUL-HT EX PART
841	10107301	GROMMET-COMP FOOT (QTY 4)
851	M0221641	TF SHOULDER SCREW (QTY 4)
871	M0501302	PIPE GROMMET
881	M0501303	GROMMET-PIPE
1011	M0221817	SMALL SCREW (QTY A/R)
1121	11160201	TUBE-LIQUID (M1, M2)
1121	20038602	TUBE-LIQUID (M3, M4)
1131	20176003	TUBE WELD-SUCT (M3, M4)
1131	20359701	TUBE WELD-SUCT (M1, M2)
1141	10839810	GASKET-.18X.38 (QTY A/R)
1221	M0220819	SCREW-SM (QTY 3)
1401	20176703	BASE PAN RAIL

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C

Chassis



Chassis

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

Image 1:

11	11076310	ORIFICE-PISTON EVAP (.0807) (M1, M2)
11	11076316	ORIFICE-PISTON EVAP (.0860) (M3, M4)
41	20029602	COND ASSY (M1, M2)
41	20029702	COND ASSY (M3, M4)
51	20029102	EVAP ASSY (M3, M4)
51	20029103	EVAP ASSY (M1, M2)
161	20001704	CORNER POST
171	20001805	CORNER POST
211	11098721	SIDE POST (QTY 2)
231	11098203	BLOWER PARTITION
271	11104206	PARTITION, HEAT EXCHANGER (M1, M3)
271	11104207	PARTITION, HEAT EXCHANGER (M2, M4)
281	11087105	PARTITION, CONTROL BOARD
291	11130602	INSUL-CONT
301	11097503	EVAP FILLER
311	11130120	INSULATION
321	11095501	DRIP PAN
331	11098102	EVAP PARTITION
341	11131109	INSUL-EVAP
361	M0321202	TIE-ELEC LG (QTY 3)
371	11104311	PLATE, HEAT EXCHANGER (M1, M3)
371	11104312	PLATE, HEAT EXCHANGER (M2, M4)
381	11130104	INSUL-HT EX TOP (M2, M4)
381	11130115	INSUL-HT EX TOP (M1, M3)
391	11097401	HEAT SHIELD
401	11130101	INSUL-HT EX BTM (M1, M3)
571	11112501	SWITCH-PRESSURE
591	10728335	PRIMARY LIMIT
641	11098304	FAN PARTITION
731	11104901	DRAIN TUBE
741	M0117605	CLAMP-TUBE
931	M0211217	SCREW-SM (QTY A/R)
971	11197402	INSUL-FAN PART
1011	M0221817	SCREW-SM (QTY A/R)
1111	M0218151	SCREW-SM
1181	M0571003	BUSHING-SNAP
1191	A4691702	GROMMET (QTY 2)
1201	M0118702	CLIP-GUIDE (QTY 4)
1221	M0220819	SCREW-SM (QTY 3)
1251	A4554801	SNAP BUSHING
1261	10839811	GASKET-.12X1.0 (QTY A/R)
1271	11097202	BLOWER BRACKET
1331	11197701	WASHER-RETAINER (QTY 2)
1391	20172503	BAFFLE-SPLASH
1421	20248101	DRIP PAN COVER

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C

Part/Tube/Manifold

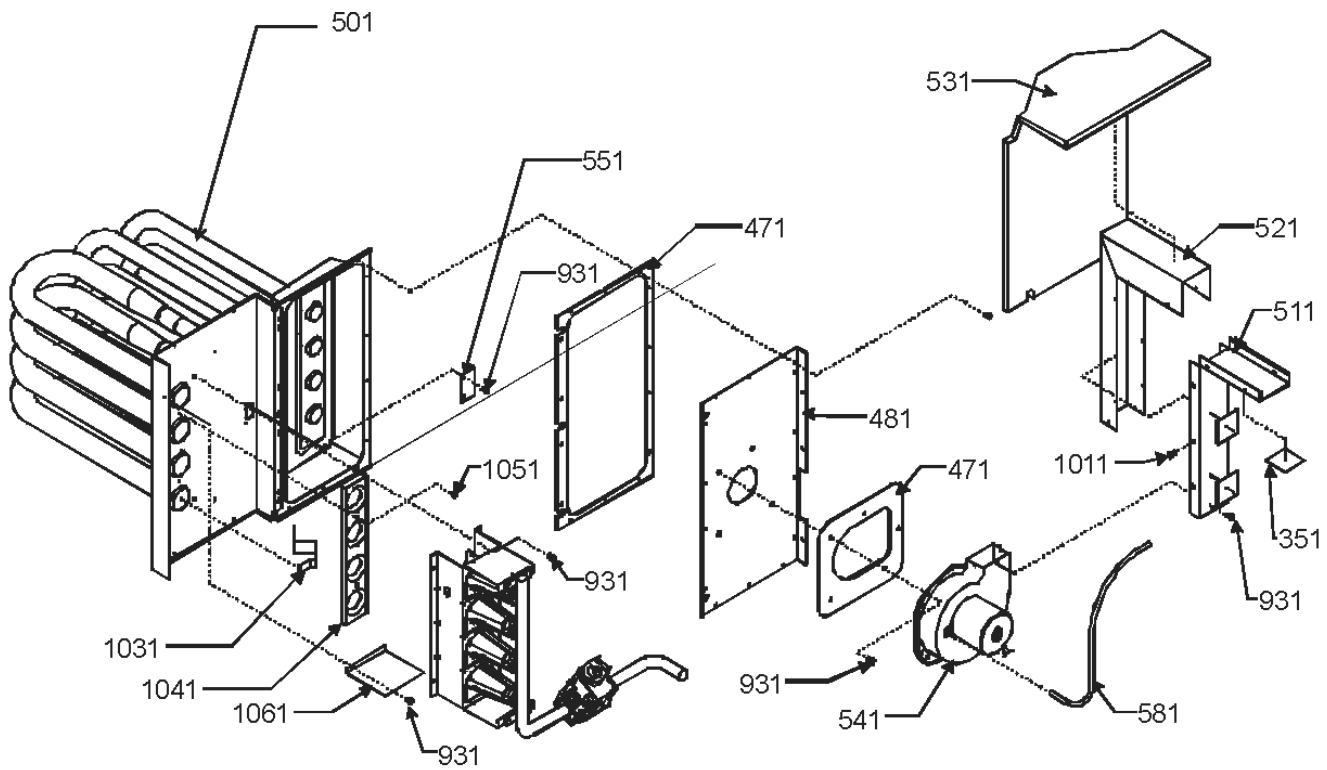
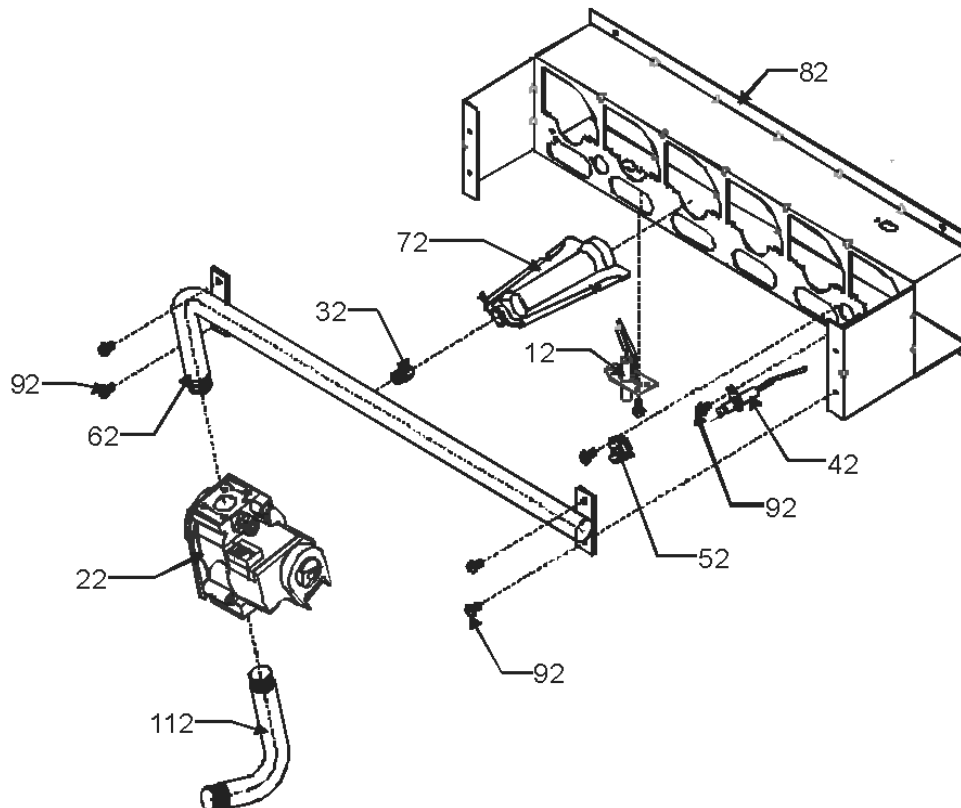


Image 1

Image 2



Part/Tube/Manifold

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

Image 1:

351	M0107602	HANGER-INSUL (QTY 3)
471	11142202	COLLECTOR BOX/ID GASKET (M1, M3)
471	11142203	COLLECTOR BOX/ID GASKET (M2, M4)
481	11186806	BLOWER PLATE (M1, M3)
481	11186804	PLATE-BLWR (M2, M4)
501	11113115	PART/TUBE ASSY (M1, M3)
501	11113116	PART/TUBE ASSY (M2, M4)
511	20014501	BOTTOM FLUE
521	11104603	TOP FLUE
531	11131006	INSUL-FLUE
541	20028901	BLOWER-ID
551	11097102	COVER PLATE
581	B1410301	HOSE-PRESSURE SW
931	M0211217	SCREW-SM (QTY A/R)
1011	M0221817	SCREW-SM (QTY A/R)
1031	10624003	INSERT-MESH TUBE (M2, M3, M4)
1041	11072203	ORIFICE SHIELD (M1, M3)
1041	11072204	ORIFICE SHIELD (M2, M4)
1051	M0211020	SCREW-SM #8-7/8 (QTY 2)
1061	11190202	HEAT DEFLECTOR

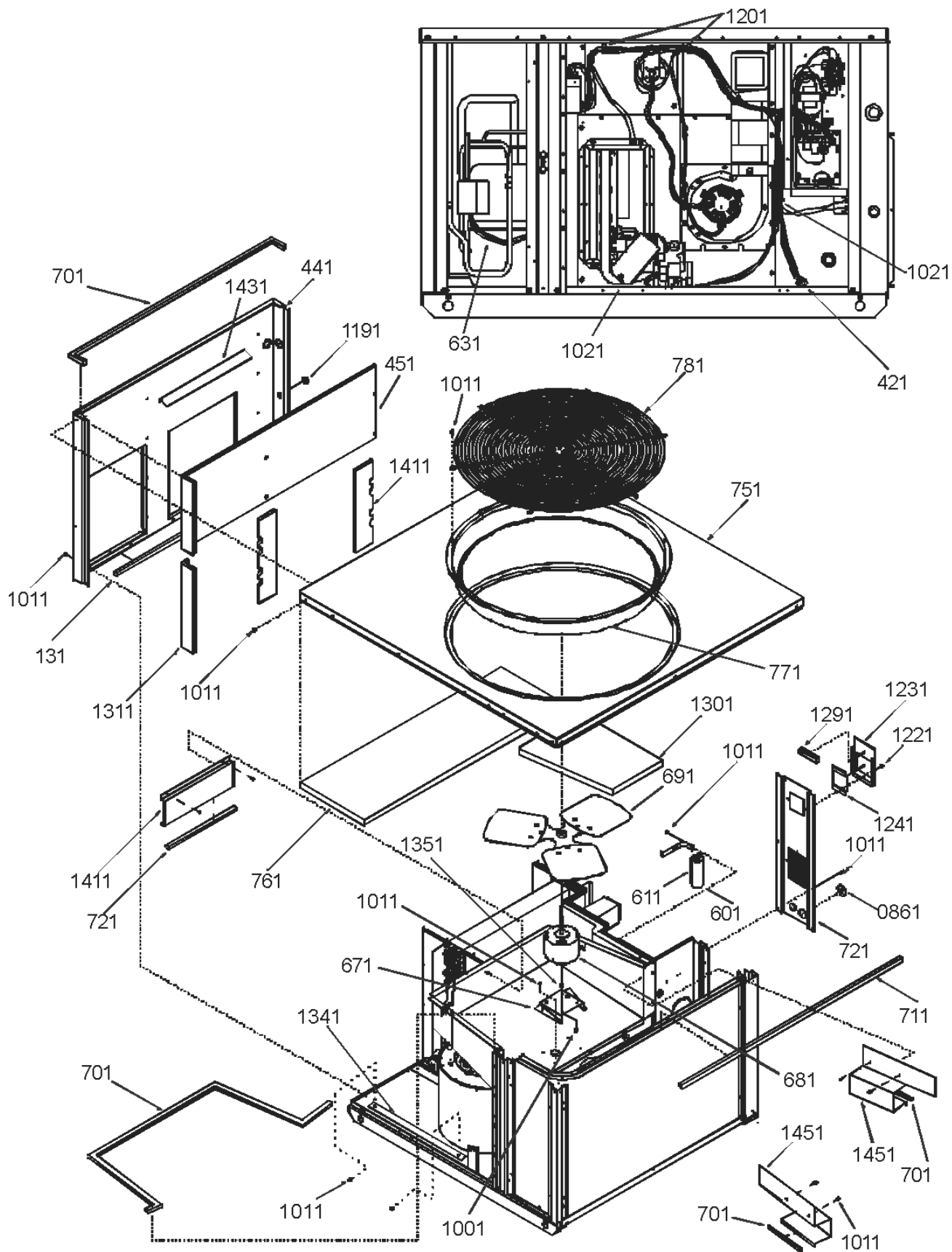
Image 2:

12	20261706	IGNITER
22	B1282628S	GAS VALVE, MANIFOLD (36G)
32	10716003	ORIFICE (QTY A/R)
42	0130F00010	FLAME SENSOR
42	11175401	MANIFOLD (M3, M4)
42	20029801	MANIFOLD (M1, M2)
52	10123531	MANUAL RESET LIMIT-LIGHT PURPLE
62	20336004	MANIFOLD 4B (M1, M3)
62	20336005	MANIFOLD 5B (M2, M4)
72	10735102	BECKETT BURNER (QTY A/R)
82	20190408	BURNER BRACKET 4B (M1, M3)
82	20190409	BURNER BRACKET 5B (M2, M4)
92	M0219916	SCREW-SM (QTY 7)
112	20308203	ELBOW

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C

Chasis



Chasis

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

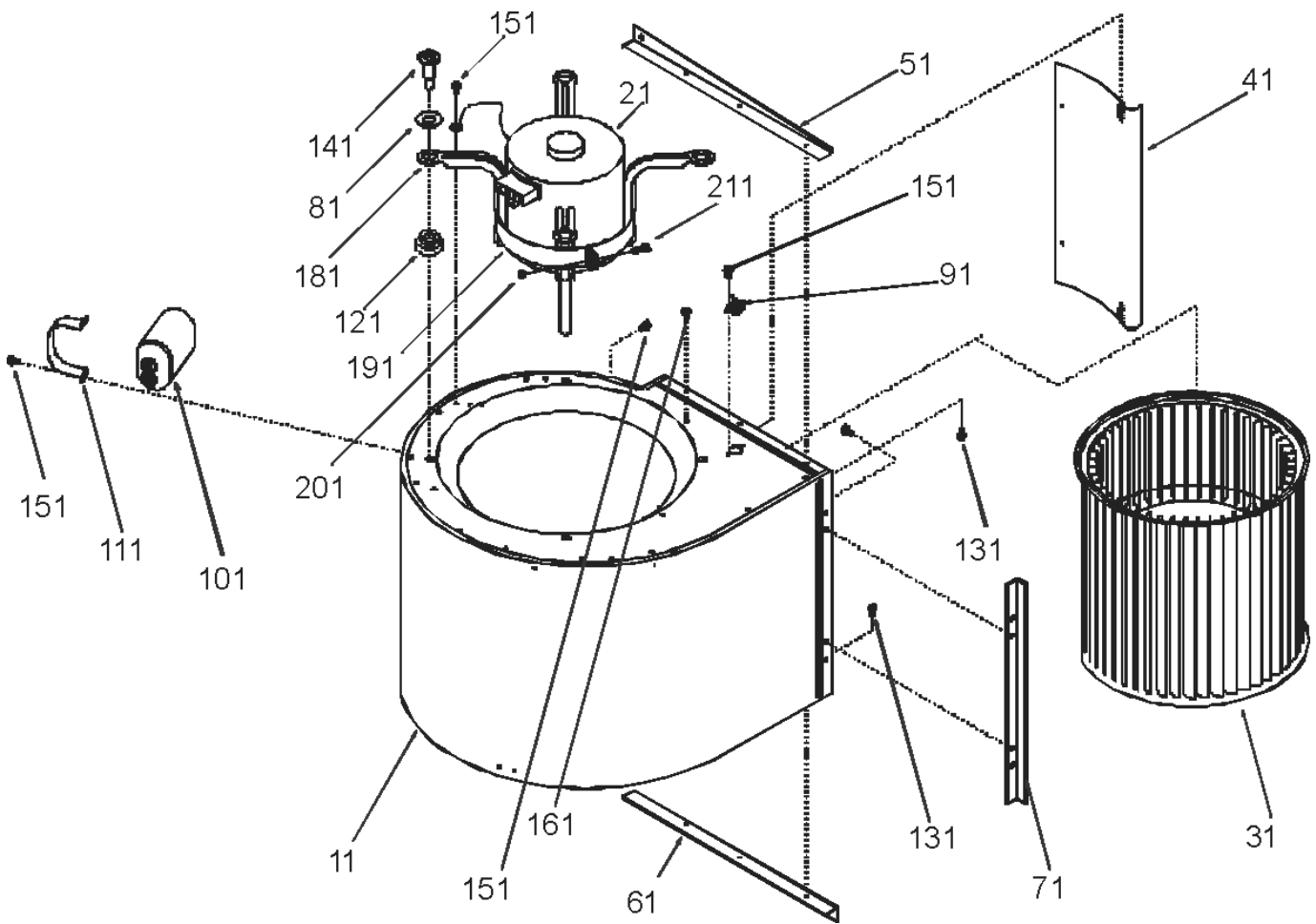
Image 1:

131	10839803	SPLICE GASKET .12 X .50 (QTY A/R)
421	11119803	HARNESS-BLOWER
441	11098404	BACK PANEL
451	20247702	INSUL-BACK PANEL
601	CAP150000370VC	CAP, 15 MFD/370V/OVAL
611	C6300503	CAPACITOR STRAP
631	11120202	COMPRESSOR HARNESS (M1, M2)
631	20152601	COMPRESSOR HARNESS (M3, M4)
671	11099501	COND MOTOR MOUNT
681	11112806	MOTOR-COND
691	11182906	CONDENSER FAN
701	10839801	GASKET-.25X.50 (QTY A/R)
711	10839712	GASKET .62X.75 (QTY A/R)
721	11098605	POST, HEAT EXCHANGER
751	11097802	TOP COVER
761	11130113	INSUL-TOP
761	11182501	INSUL-TOP
771	20171401	VENTURI RING
781	11112001	GRILLE-FAN
861	M0501301	PIPE GROMMET
1001	M0280801	HEX NUT (QTY 4)
1011	M0221817	SCREW-SM (QTY A/R)
1021	M0321204	TIE-ELEC SM (QTY A/R)
1191	A4691702	GROMMET (QTY 2)
1201	M0118702	CLIP-GUIDE (QTY 4)
1221	M0220819	SCREW-SM (QTY 3)
1231	11160501	FLUE BACK
1241	11134901	FLUE MESH
1291	11182801	GASKET-.5X.75X4.75
1301	11182501	INSUL-TOP
1311	11182702	INSUL-BACK PANEL
1341	20005801	RETAINER
1351	20042802	GROMMET-ISLR (QTY 4)
1411	20247901	INSUL-BK PNL (QTY 2)
1431	20248201	BRKT-INSUL BASE
1441	20248502	SOUND BLANKET
1451	20248402	SOUND BLANKET (QTY 2)
NS	11154403	PTCR-START DEVICE (M1, M2)
NS	M0229130	SCREW-SD (QTY 2)

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C

Blower



Blower

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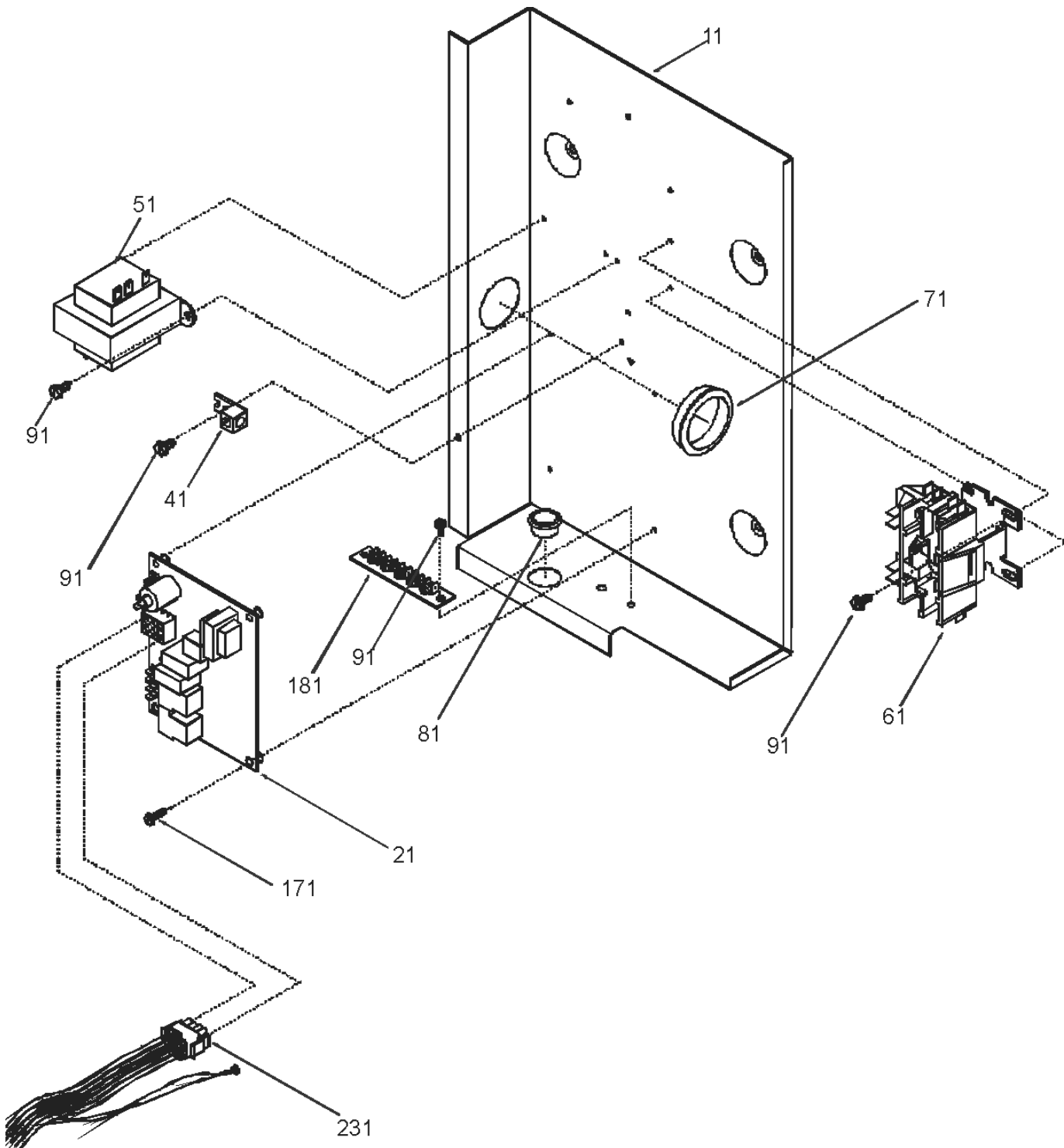
Image 1:

11	11128108Q	BLOWER HOUSING
21	20028601	MOTOR-EVAP
31	D6723311	WHEEL-BLOWER
41	C6121807	BLOWER CUT-OFF
51	11096604	BLOWER SIDE ANGLE
61	11096704	BLOWER SIDE ANGLE
71	11096802	ANGLE, BLOWER BACK
81	M0274008	WASHER-FLAT (QTY 4)
91	20269904	PRIMARY LIMIT (M2, M4)
91	20269905	PRIMARY LIMIT (M1, M3)
101	CAP075500440RT	CAP, 7.5/50 MFD/440V/DUAL RD (M1, M2)
101	CAP075600370RT	CAP, 7.5/60 MFD/370V/DUAL RD (M3, M4)
111	A3410501	CAPACITOR STRAP
121	A4002701	BLOWER MOTOR GROMMET (QTY 4)
131	M0221817	SCREW-SM (QTY 8)
141	M0221461	TC SCREW (QTY 4)
151	M0211017	SCREW-SM #8-1/2LG (QTY 7)
161	M0211020	SCREW-SM #8-7/8 (QTY 2)
181	10441501	MOTOR MOUNT ARM (QTY 4)
191	10441601	MOTOR MOUNT BAND
201	M0282015	KEPS NUT
211	M0267144	MACHINE SCREW

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C

Control Box



Control Box

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

11	11104403	CONTROL BOX PKG
21	20261102	CONTROL BOARD
41	A9015201	LUG-GROUND
51	11120302	TRANSFORMER
61	22308302	CONTACTOR 30 AMP
71	A4554807	BUSHING-SNAP (QTY 2)
81	M0571003	BUSHING-SNAP
91	M0211016	SCREW-SM #8-3/8LG (QTY AR) (QTY A/R)
91	M0219916	SCREW-SM (QTY AR) (QTY A/R)
171	M0216519	SCREW-SM (QTY 5) (QTY 5)
181	20248702	TERMINAL BOARD
231	20262105	WIRING HARNESS (12-PIN CONNECTOR)

Expanded Model Nomenclature

M1 - PGA48C0902F	P1236408C
M2 - PGA48C1152F	P1236409C
M3 - PGA60C0902F	P1236410C
M4 - PGA60C1152F	P1236411C