

PTH074G Package Terminal Heat Pump

PTH074G15AXXXCA
PTH074G15QXXXCA
PTH074G25AXXXCA
PTH074G25CXXXCA
PTH074G25QRXXCA
PTH074G25RXXXCA
PTH074G25WXXXCA
PTH074G35AXXXCA
PTH074G35CXXXCA
PTH074G35LRVXCA
PTH074G35QRXXCA
PTH074G35QXXXCA
PTH074G35RXXXCA
PTH074G35VXXXCA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5001H.

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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 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:

Homeowner Support
Goodman 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 Company, L.P.
19001 Kermier Road
Waller, Texas 77484
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: Description:

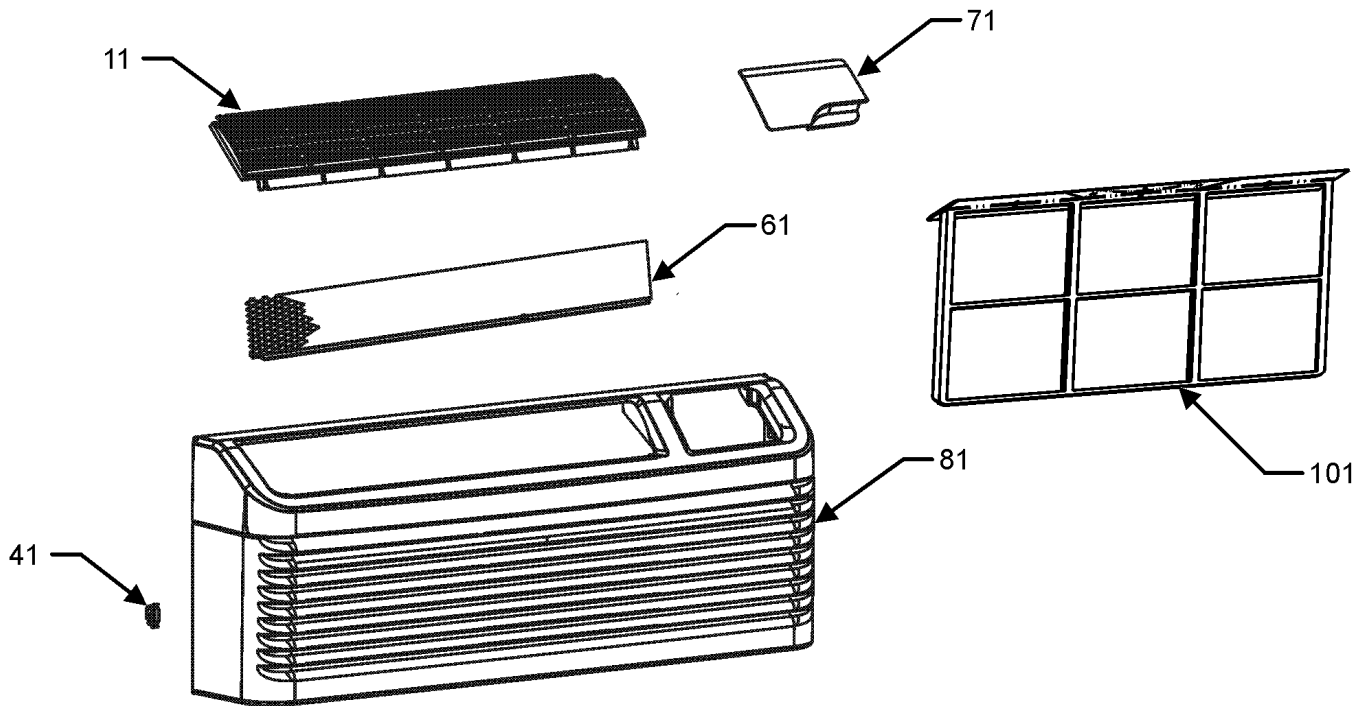
20406303	BASE PAN VALVE
CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD
CAP010000500RP	CAPACITOR
39A167AD&9DKZ	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00128	CORD, 277V, 20A
0131P00037	FAN MOTOR, INDOOR
0131P00034	FAN MOTOR, OUTDOOR
0161P00055	FAN, CONDENSER
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7)
A3410403	FUSE 20A (M8, M9, M10, M11, M12, M13, M14)
0275P00023	HEATER ASSY (M3, M4, M5, M6, M7)
0275P00040	HEATER ASSY (M8, M9, M10, M11, M12, M13, M14)
0275P00026	HEATER ASSY (M1, M2)
0130P00133	HUMIDITY SENSOR (M10, M14)
60343547	OVERLOAD PROTECTOR
PCBCP147	PCB, CONTROL, D70 (M10)
0130P00137	POWER VENT MOTOR (M10, M14)
0151P00005	PTAC REVERSING VALVE ASSY
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00077	THERMISTOR (M5, M6, M10, M11, M13)
0130P00130	THERMISTOR
0130P00141	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00084	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M5, M6, M10, M11, M13)
0130M00342	TRANSFORMER 20VA 265V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M11, M12, M13, M14)
0130M00151	TRANSFORMER 277V to 24V, 40VA (M10, M14)
0150P00004	WHEEL, BLOWER

Expanded Model Nomenclature

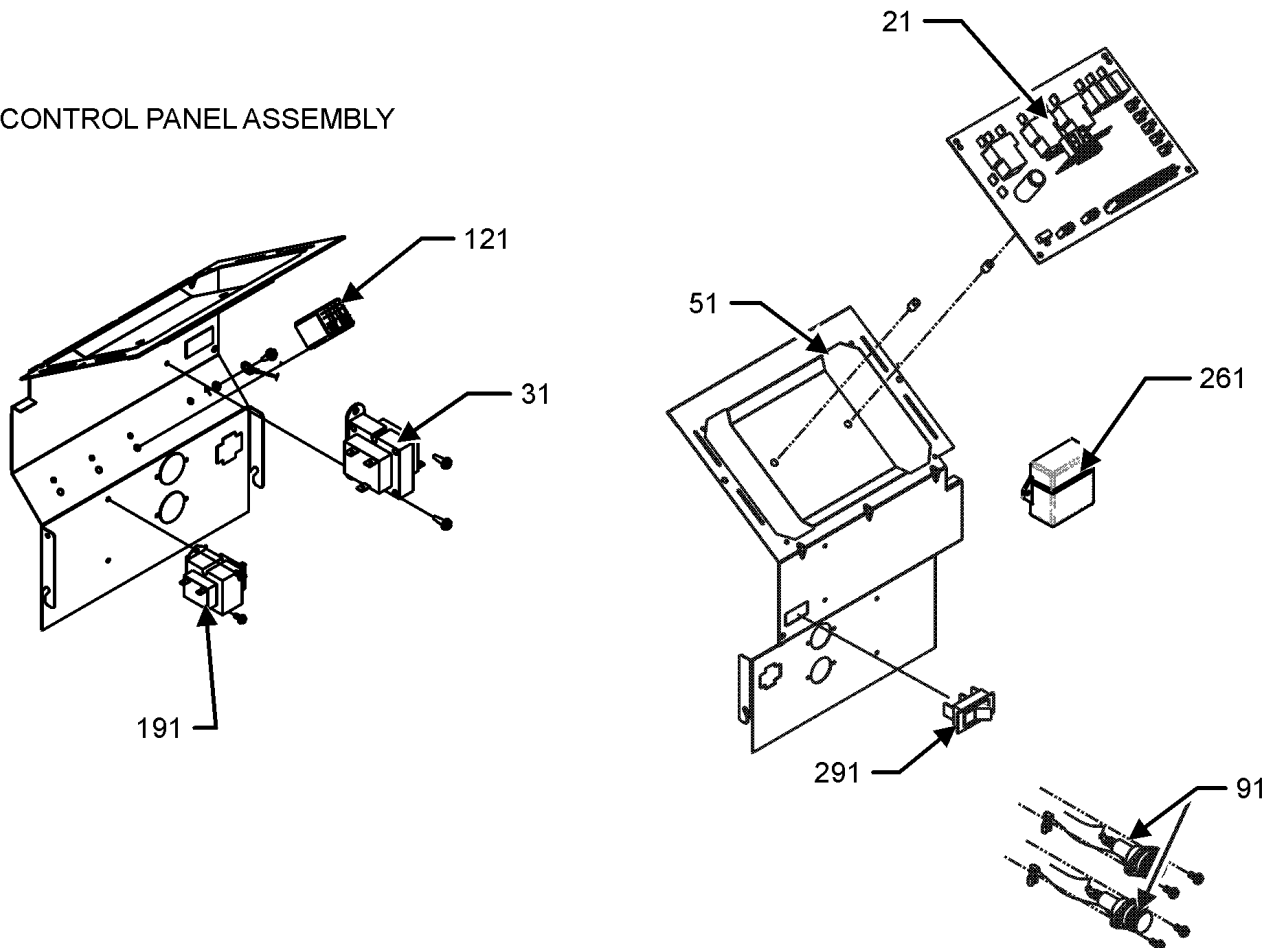
M1 - PTH074G15AXXXCA
 M2 - PTH074G15QXXXCA
 M3 - PTH074G25AXXXCA
 M4 - PTH074G25CXXXCA
 M5 - PTH074G25QRXXCA
 M6 - PTH074G25RXXXCA
 M7 - PTH074G25WXXXCA
 M8 - PTH074G35AXXXCA
 M9 - PTH074G35CXXXCA
 M10 - PTH074G35LRVXCA
 M11 - PTH074G35QRXXCA
 M12 - PTH074G35QXXXCA
 M13 - PTH074G35RXXXCA
 M14 - PTH074G35VXXXCA

Front Panel / Control Board Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel / Control Board Assembly

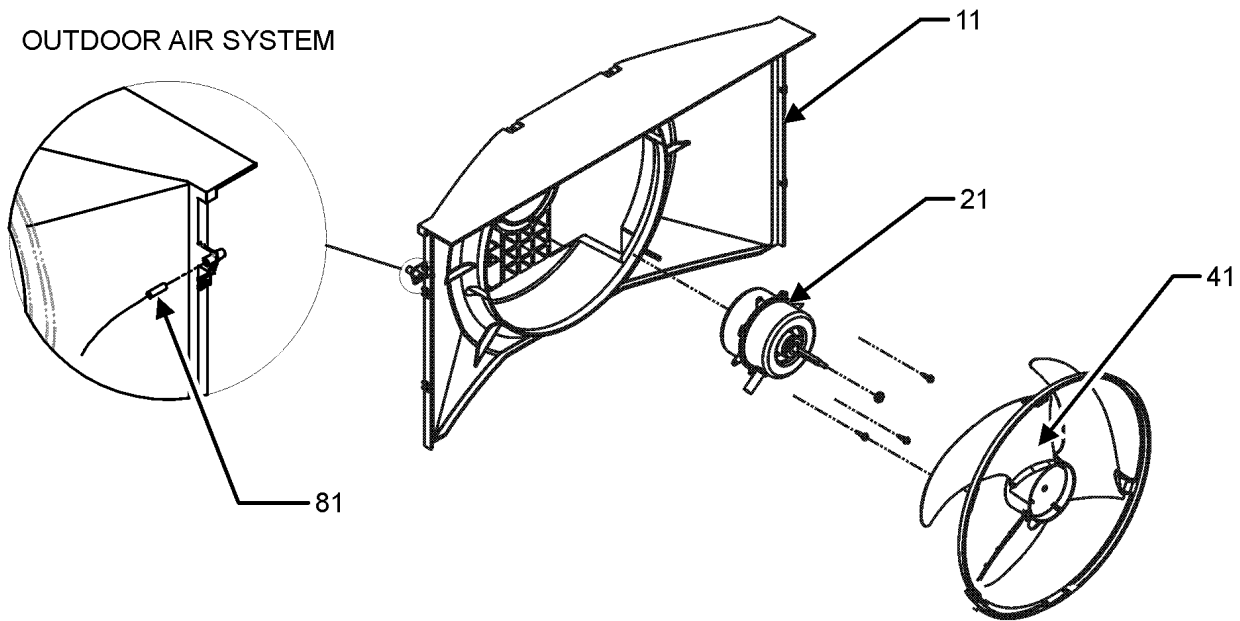
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00048		FRONT, LOUVERS DISCHARGE
21	RSKP0012		CONTROL BOARD M70
31	0130M00342		TRANSFORMER 20VA 265V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M11, M12, M13, M14)
41	0163P00025		CLIP (QTY 2)
51	0121P00130		PANEL, CONTROL
61	0121P00194BL		SCREEN, DISCHARGE, PAINTED
71	0261P00003		DOOR ASSY -AMANA-
81	0261P00011		FRONT ASSY
91	C6476001		BAYONET FUSE HOLDER (M1, M2, M3, M4, M5, M6, M7)
91	C6476002		BAYONET FUSE HOLDER (M8, M9, M10, M11, M12, M13, M14)
101	0161P00035		FILTER, RACK (QTY 2)
191	0130M00151		TRANSFORMER 277V to 24V, 40VA (M10, M14)
261	0130P00104		ANTENNA (M5, M6, M10, M11, M13)
291	B1337701		PADDLE SWITCH (M10, M14)
NS	A3410402		FUSE 15A (M1, M2, M3, M4, M5, M6, M7)
NS	A3410403		FUSE 20A (M8, M9, M10, M11, M12, M13, M14)
NS	PCBCP147		PCB, CONTROL, D70 (M10)

Expanded Model Nomenclature

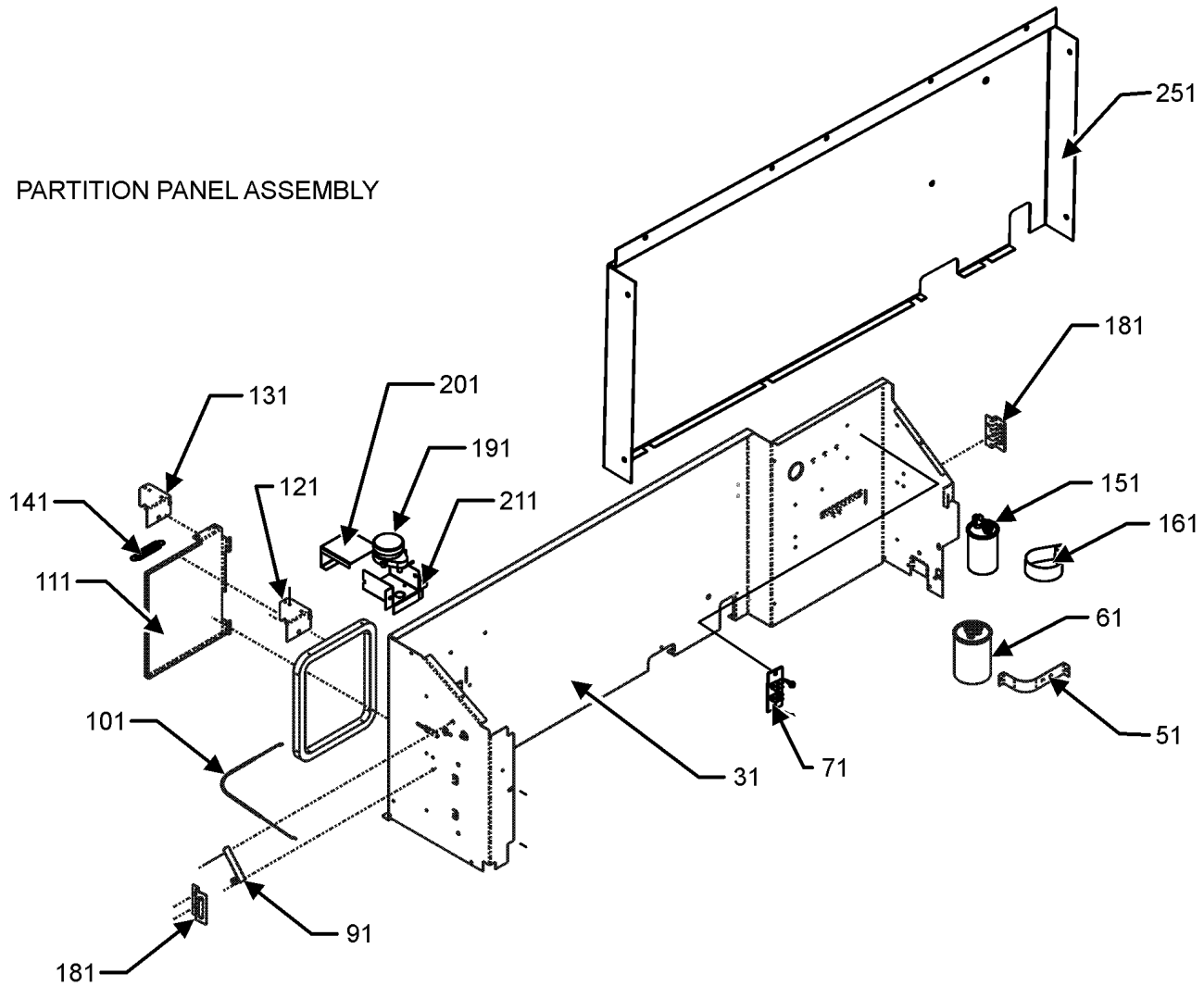
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 M2 - PTH074G15QXXXCA
 M3 - PTH074G25AXXXCA
 M4 - PTH074G25CXXXCA
 M5 - PTH074G25QRXXCA
 M6 - PTH074G25RXXXCA
 M7 - PTH074G25WXXXCA
 M8 - PTH074G35AXXXCA
 M9 - PTH074G35CXXXCA
 M10 - PTH074G35LRVXCA
 M11 - PTH074G35QRXXCA
 M12 - PTH074G35QXXXCA
 M13 - PTH074G35RXXXCA
 M14 - PTH074G35VXXXCA

Outdoor Air System / Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor Air System / Partition Panel

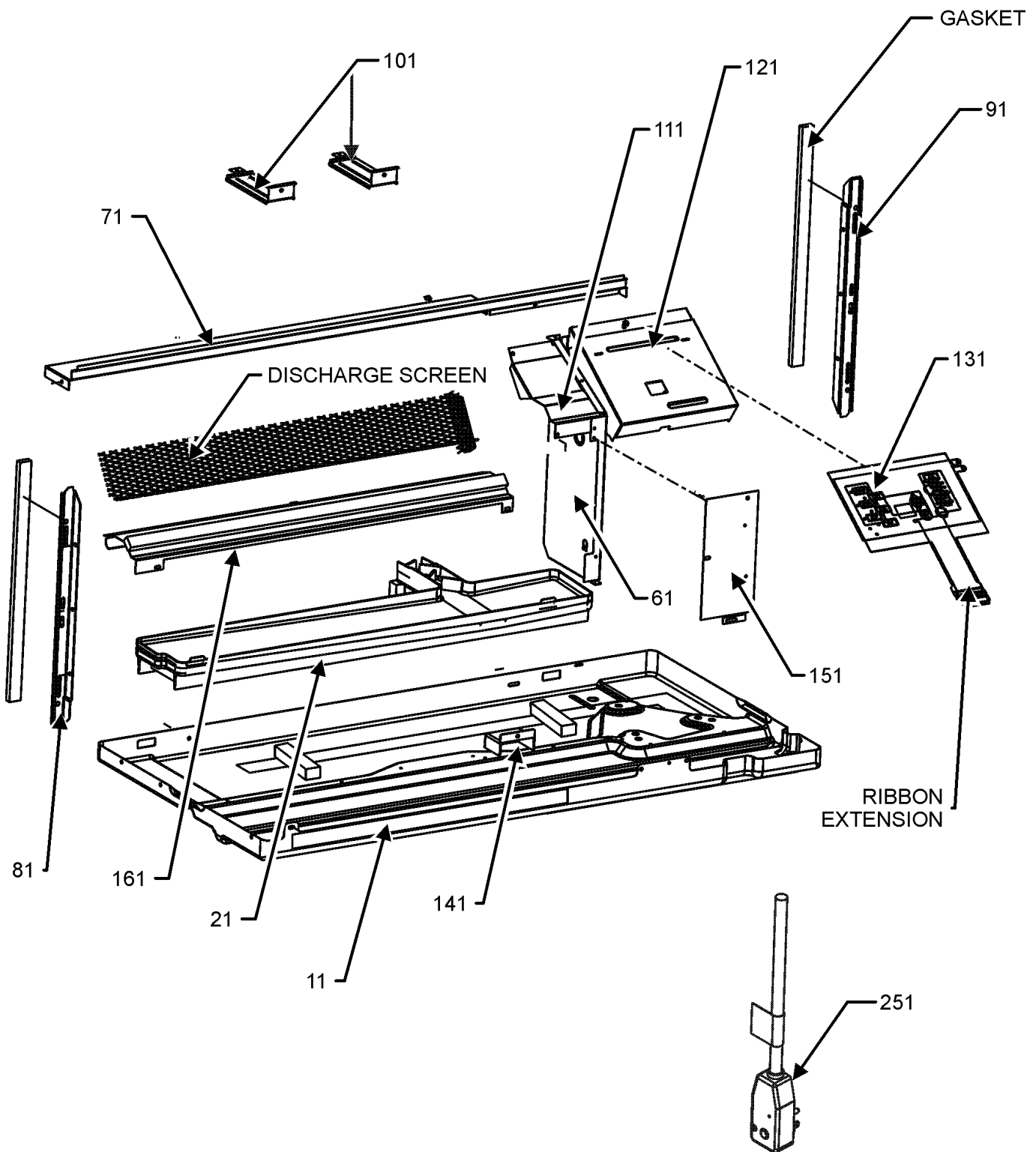
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00053		SHROUD, CONDENSER
21	0131P00034		FAN MOTOR, OUTDOOR
31	0121P00093		PANEL-PARTITION (M2, M5, M11, M12)
31	0121P00108NG		PANEL-PARTITION (M1, M3, M4, M6, M7, M8, M9, M10, M13, M14)
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP020150450CS		CAP, 2/15 MFD/450V/DUAL RD
71	802007090		TERMINAL BOARD
81	0130P00098		THERMISTOR - OUTDOOR AMBIENT (M5, M6, M10, M11, M13)
91	11046302		LEVER ARM (M1, M3, M4, M6, M7, M8, M9, M13)
101	0163P00019		CABLE (M1, M3, M4, M6, M7, M8, M9, M13)
111	0121P00177		DOOR-VENT PTC (M1, M3, M4, M6, M7, M8, M9, M10, M13, M14)
121	0121P00079		BRACKET, VENT DOOR (M10, M14)
131	0121P00180		BRACKET, POWER VENT (M10, M14)
131	0121P00072		BRACKET, VENT DOOR (M1, M3, M6, M7, M8, M13)
141	11166401		EXTENSION SPRING (M10, M14)
151	CAP010000500RP		CAPACITOR
161	0163P00029		CAPACITOR CLAMP
181	11191703		PARTITION PANEL BRACKET (QTY 2)
191	0130P00137		POWER VENT MOTOR (M10, M14)
201	11166201		POWER VENT COVER BRACKET (M10, M14)
211	11166101		POWER VENT MOTOR BRACKET (M10, M14)
251	0121P00091		PANEL-AUXILLIARY (M2, M5, M11, M12)
NS	0130P00133		HUMIDITY SENSOR (M10, M14)

Expanded Model Nomenclature

M1 - PTH074G15AXXXCA
 M2 - PTH074G15QXXXCA
 M3 - PTH074G25AXXXCA
 M4 - PTH074G25CXXXCA
 M5 - PTH074G25QRXXCA
 M6 - PTH074G25RXXXCA
 M7 - PTH074G25WXXXCA
 M8 - PTH074G35AXXXCA
 M9 - PTH074G35CXXXCA
 M10 - PTH074G35LRVXCA
 M11 - PTH074G35QRXXCA
 M12 - PTH074G35QXXXCA
 M13 - PTH074G35RXXXCA
 M14 - PTH074G35VXXXCA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

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

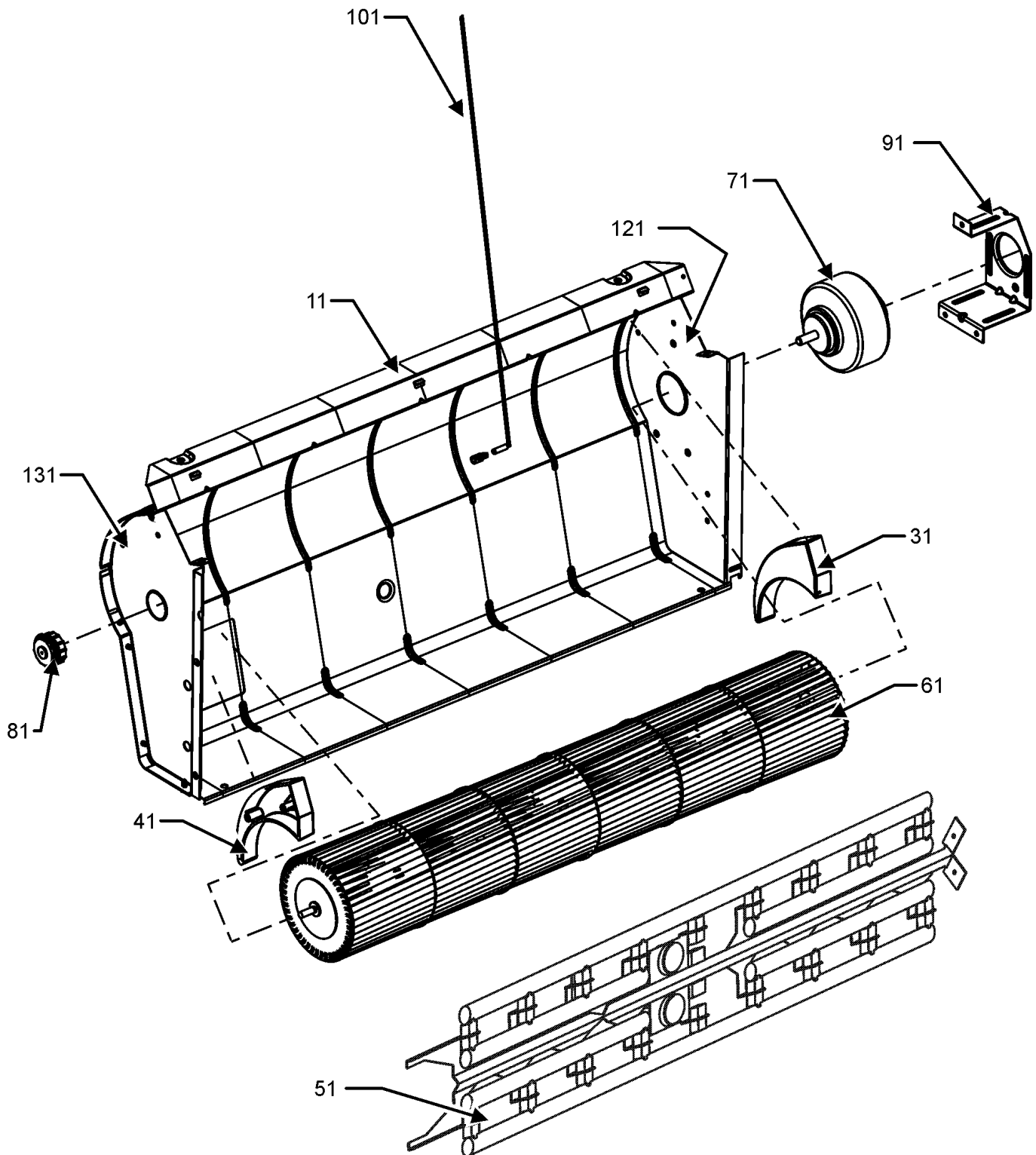
11	0121P00175DG	BASEPAN (M1, M2, M3, M5, M6, M7, M8, M10, M11, M12, M13, M14)
11	0121P00175NG	BASEPAN (M4, M9)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD (M1, M3, M4, M6, M7, M8, M9, M10, M13, M14)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00128	CORD, 277V, 20A
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH074G15AXXXCA
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 M3 - PTH074G25AXXXCA
 M4 - PTH074G25CXXXCA
 M5 - PTH074G25QRXXCA
 M6 - PTH074G25RXXXCA
 M7 - PTH074G25WXXXCA
 M8 - PTH074G35AXXXCA
 M9 - PTH074G35CXXXCA
 M10 - PTH074G35LRVXCA
 M11 - PTH074G35QRXXCA
 M12 - PTH074G35QXXXCA
 M13 - PTH074G35RXXXCA
 M14 - PTH074G35VXXXCA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

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

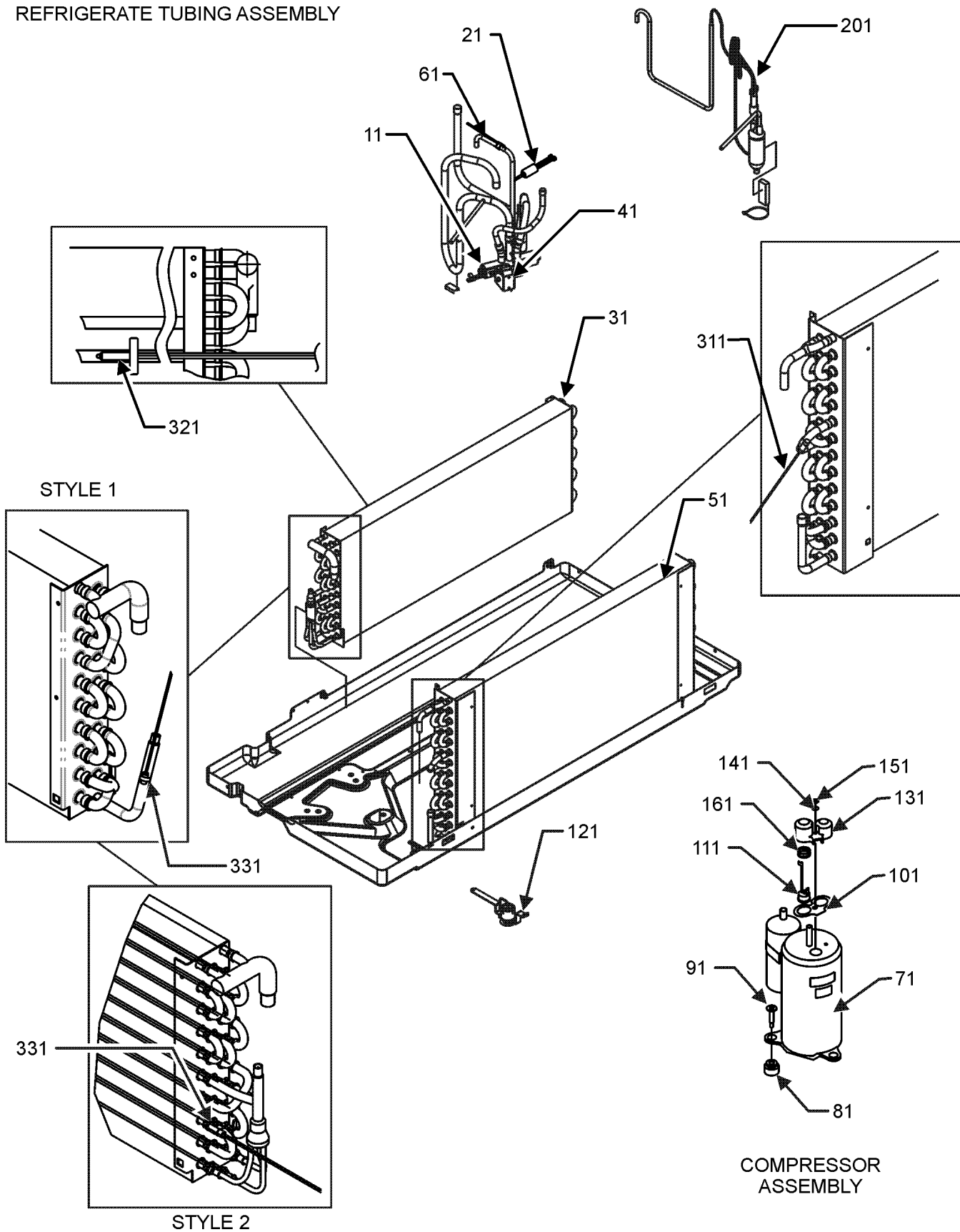
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M3, M4, M5, M6, M7)
51	0275P00026	HEATER ASSY (M1, M2)
51	0275P00040	HEATER ASSY (M8, M9, M10, M11, M12, M13, M14)
61	0150P00004	WHEEL, BLOWER
71	0131P00037	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL, PNT
131	0121P00215DG	ENDPLATE-LH SCROLL, PNT

Expanded Model Nomenclature

M1 - PTH074G15AXXXCA
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 M3 - PTH074G25AXXXCA
 M4 - PTH074G25CXXXCA
 M5 - PTH074G25QRXXCA
 M6 - PTH074G25RXXXCA
 M7 - PTH074G25WXXXCA
 M8 - PTH074G35AXXXCA
 M9 - PTH074G35CXXXCA
 M10 - PTH074G35LRVXCA
 M11 - PTH074G35QRXXCA
 M12 - PTH074G35QXXXCA
 M13 - PTH074G35RXXXCA
 M14 - PTH074G35VXXXCA

Refrigerant Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerant Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00005	PTAC REVERSING VALVE ASSY	
21	0130M00169	SWITCH, HIGH PRESS	
31	0202P00067	EVAP ASSY, 3/8, 2 ROW	
41	0130P00022	REVERSING VALVE COIL	
51	0201P00097	7 MM CONDENSER COIL ASSY (M1, M2, M3, M5, M6, M7, M8, M10, M11, M12, M13, M14)	
51	0201P00105NG	7 MM CONDENSER COIL ASSY (M4, M9)	
61	0130P00077	THERMISTOR (M5, M6, M10, M11, M13)	
71	39A167AD&9DKZ	COMPRESSOR, RECHI	
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)	
91	0163M00079	SCREW, SHOULDER (QTY 3)	
101	60100103	TERMINAL GASKET	
111	60343547	OVERLOAD PROTECTOR	
121	20406303	BASE PAN VALVE	
131	60100314	TERMINAL COVER - RECHI COMP	
141	60100201	WASHER - RECHI COMPRESSOR	
151	60100401	TERMINAL NUT - RECHI COMP	
161	60500101	OLP SPRING - RECHI COMPRESSOR	
201	0210P00277	CAPILLARY TUBE WELD	
311	0130P00130	THERMISTOR	
321	0130P00141	THERMISTOR	
331	0130P00084	THERMISTOR - INDOOR COIL	
NS	BT1392310	PLASTIC CLAMP, .1875 DIA (M10, M14)	

Expanded Model Nomenclature

M1 - PTH074G15AXXXCA
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 M3 - PTH074G25AXXXCA
 M4 - PTH074G25CXXXCA
 M5 - PTH074G25QRXXCA
 M6 - PTH074G25RXXXCA
 M7 - PTH074G25WXXXCA
 M8 - PTH074G35AXXXCA
 M9 - PTH074G35CXXXCA
 M10 - PTH074G35LRVXCA
 M11 - PTH074G35QRXXCA
 M12 - PTH074G35QXXXCA
 M13 - PTH074G35RXXXCA
 M14 - PTH074G35VXXXCA