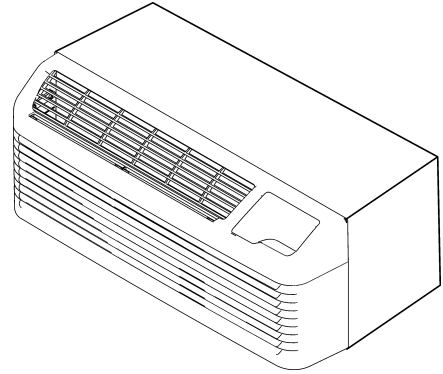


PTH094E Package Terminal Heat Pumps

PTH094E25AXXXAC
PTH094E25CXXXAB
PTH094E25CXXXAC
PTH094E25DRXXAC
PTH094E25RXXXAB
PTH094E35AXXXAC
PTH094E35CXXXAB
PTH094E35CXXXAC
PTH094E35DXXXAB
PTH094E35QRXXAC
PTH094E35QXXXAC
PTH094E35VXXXAB
PTH094E50AXXXAC
PTH094E50CXXXAC
PTH094E50DXXXAC



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This manual is to be used by qualified technicians only.

This manual replaces RP-676B.

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 13

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

This system uses R410A refrigerant. If sealed system work is required, use approved equipment and follow service procedures. Refer to Service Manual or Installation Instructions for service 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

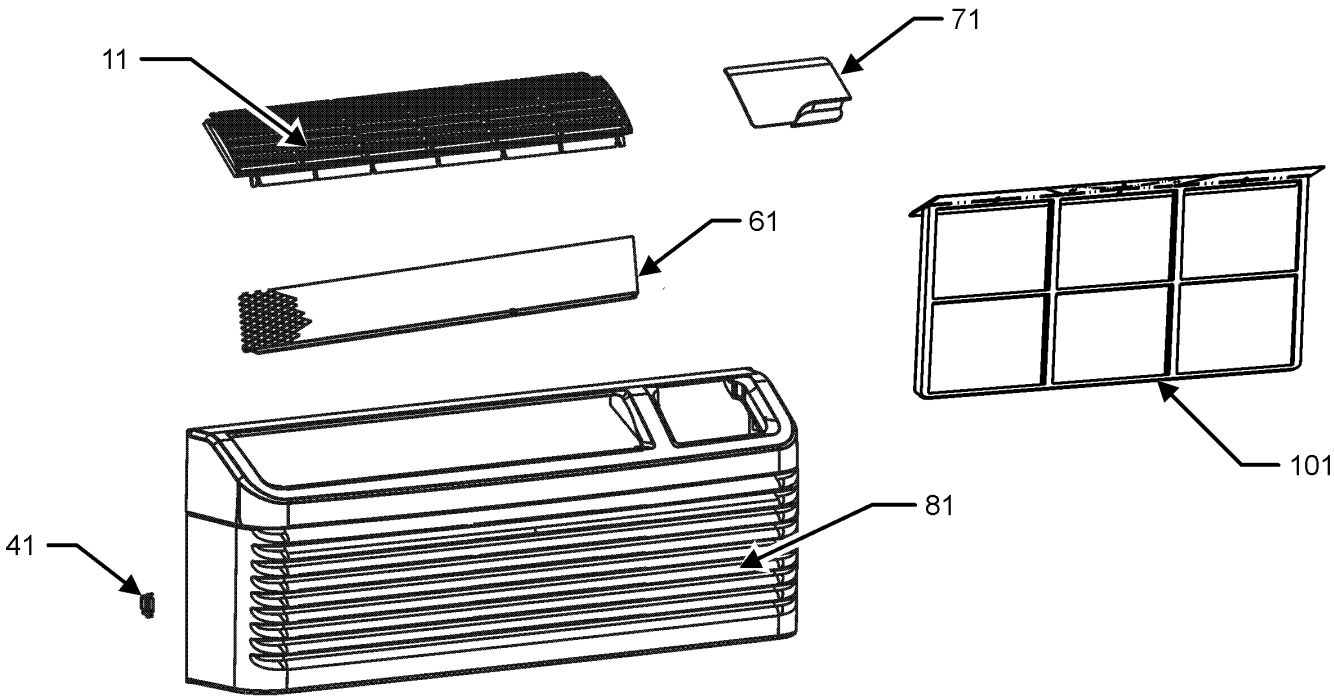
Part

No: Description:

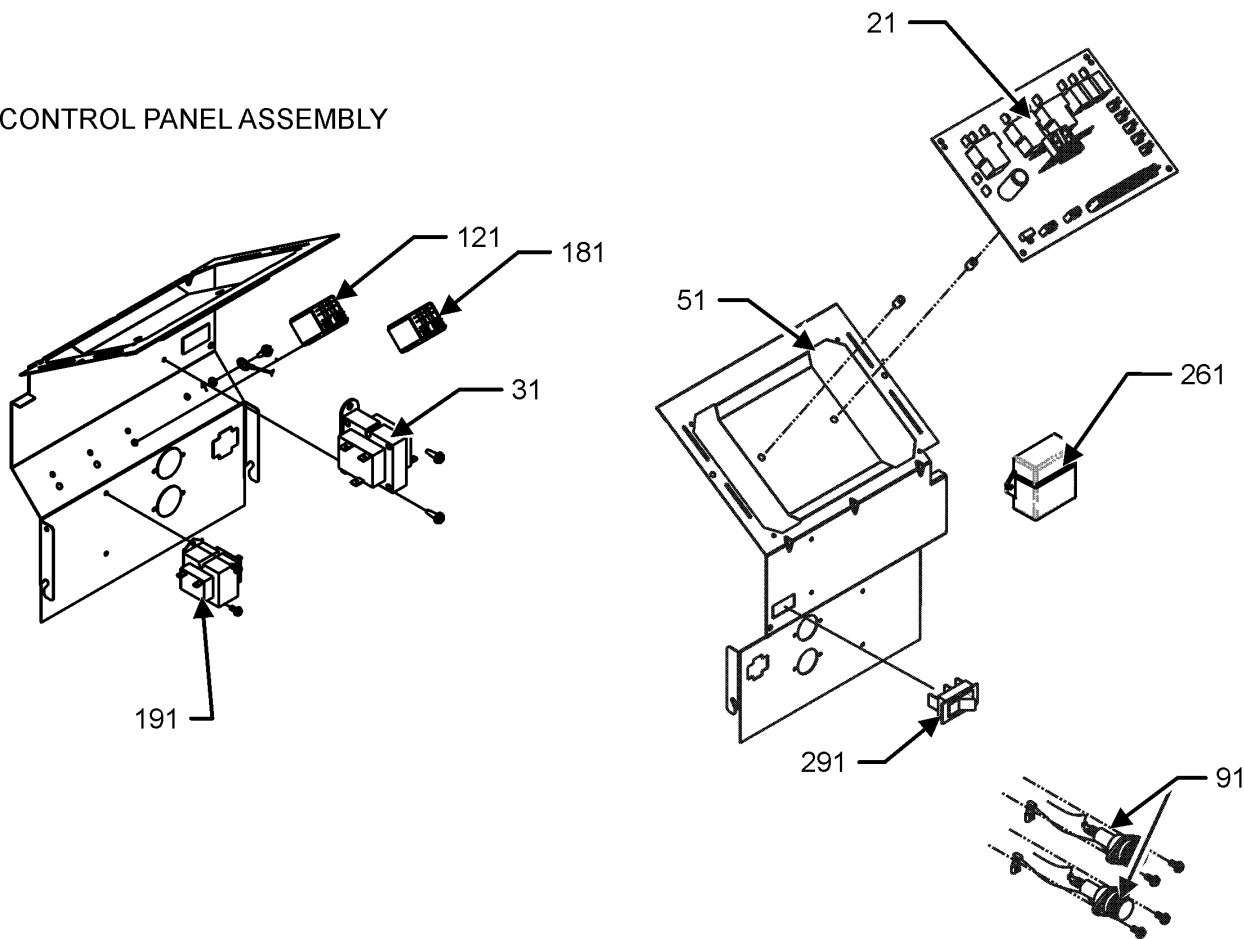
		Expanded Model Nomenclature
20406303	BASE PAN VALVE	M1 - PTH094E25AXXXAC
CAP015000500RP	CAPACITOR (M13, M14, M15)	M2 - PTH094E25CXXXAB
CAP010000500RP	CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M3 - PTH094E25CXXXAC
CAP020250450CS	CAPACITOR 2/25/450V/DUAL RD (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)	M4 - PTH094E25DRXXAC
CAP020250440RS	CAPACITOR 2/250/440V (M2, M5, M7, M9, M12)	M5 - PTH094E25RXXXAB
44A207AK&AEKD	COMPRESSOR, RECHI	M6 - PTH094E35AXXXAC
RSKP0014	CONTROL BOARD KIT	M7 - PTH094E35CXXXAB
RSKP0010	CONTROL BOARD M61	M8 - PTH094E35CXXXAC
11114801	CORD-277V 30A (M13, M14, M15)	M9 - PTH094E35DXXXAB
11114701	CORD-277V-20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M10 - PTH094E35QRXXAC
0130M00132	CUT-OUT SWITCH, HIGH PRESSURE	M11 - PTH094E35QXXXAC
0131P00017	FAN MOTOR OUTDOOR (M2, M5, M7, M9, M12)	M12 - PTH094E35VXXXAB
0131P00056	FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M13 - PTH094E50AXXXAC
0131P00057	FAN MOTOR, INDOOR (M13, M14, M15)	M14 - PTH094E50CXXXAC
0131P00028	FAN MOTOR, OUTDOOR (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)	M15 - PTH094E50DXXXAC
0161P00055	FAN, CONDENSER	
A3410402	FUSE 15A (M1, M2, M3, M4, M5)	
A3410403	FUSE 20A (M6, M7, M8, M9, M10, M11, M12)	
A3410404	FUSE 25A (M13, M14, M15)	
0275P00023	HEATER ASSY (M1, M2, M3, M4, M5)	
0275P00041	HEATER ASSY (M13, M14, M15)	
0275P00040	HEATER ASSY (M6, M7, M8, M9, M10, M11, M12)	
RSKP0005	MEMBRANE KIT	
0130P00137	MOTOR (M4, M9, M12, M15)	
60343516	OVERLOAD PROTECTOR	
0130M00097	RELAY (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)	
C8873932	RELAY (POWER VENT) (M4, M9, M12, M15)	
0130P00077	THERMISTOR (M4, M5, M10)	
0130P00142	THERMISTOR (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)	
20295711	THERMISTOR (M2, M5, M7, M9, M12)	
0130P00134	THERMISTOR - DISCHARGE	
0130P00098	THERMISTOR GREEN OAT (M4, M5, M10)	
0130P00047	THERMISTOR - INDOOR AMBIENT (M2, M5, M7, M9, M12)	
0130P00144	THERMISTOR - INDOOR COIL (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)	
0130P00093	THERMISTOR, .375 CLIP, BLUE (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)	
0130P00033	THERMISTOR-INDOOR COIL (M2, M5, M7, M9, M12)	
0130M00341	TRANSFORMER 20VA 230V (M1, M2, M3, M5, M6, M7, M8, M10, M11, M13, M14)	
0130M00329	TRANSFORMER 20VA 60HZ (M4, M9, M12, M15)	
0130M00601	TRANSFORMER, 40VA, 277V TO 24V (M4, M9, M12, M15)	

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel and Control Panel Assembly

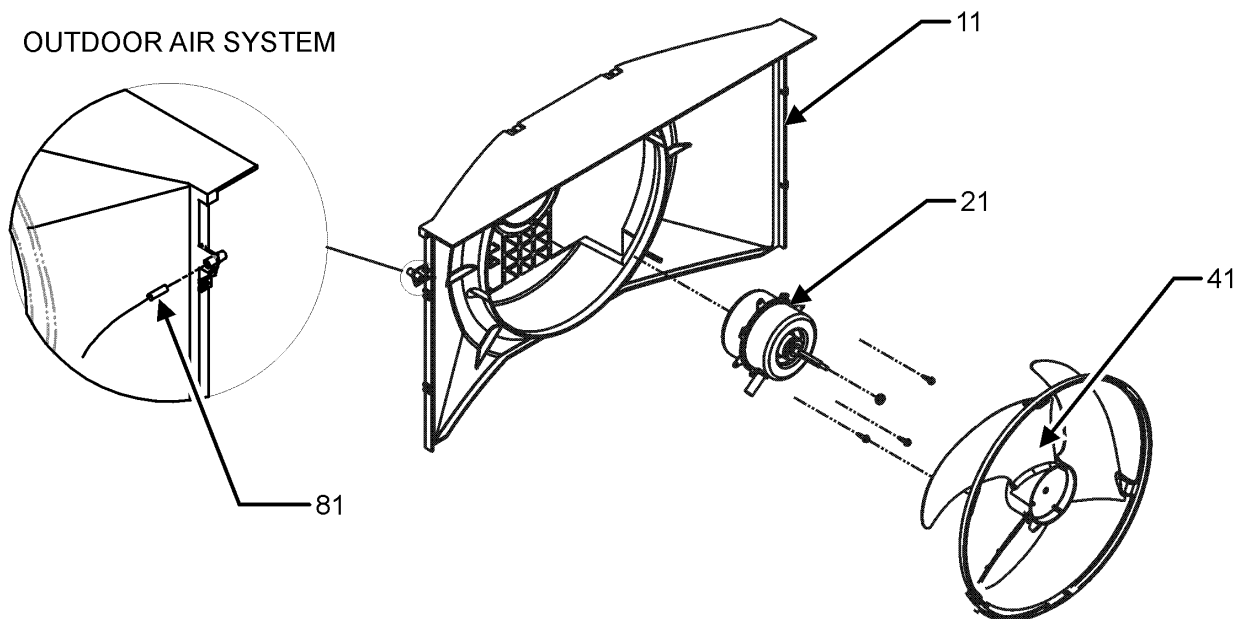
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00048		FRONT-DICHARGE LOUVERS
21	RSKP0014		CONTROL BOARD KIT
21	RSKP0010		CONTROL BOARD M61
31	0130M00341		TRANSFORMER 20VA 230V (M1, M2, M3, M5, M6, M7, M8, M10, M11, M13, M14)
31	0130M00329		TRANSFORMER 20VA 60HZ (M4, M9, M12, M15)
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)
91	C6476002		BAYONET FUSE HOLDER (M6, M7, M8, M9, M10, M11, M12)
91	C6476003		BAYONET FUSE HOLDER (M13, M14, M15)
101	0161P00035		FILTER, RACK (QTY 2)
121	0130M00097		RELAY (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)
181	C8873932		RELAY (POWER VENT) (M4, M9, M12, M15)
191	0130M00601		TRANSFORMER, 40VA, 277V TO 24V (M4, M9, M12, M15)
261	0130P00104		ANTENNA (M4, M5, M10)
291	B1337701		PADDLE SWITCH (M4, M9, M12, M15)
NS	A3410402		FUSE 15A (M1, M2, M3, M4, M5)
NS	A3410403		FUSE 20A (M6, M7, M8, M9, M10, M11, M12)
NS	A3410404		FUSE 25A (M13, M14, M15)

Expanded Model Nomenclature

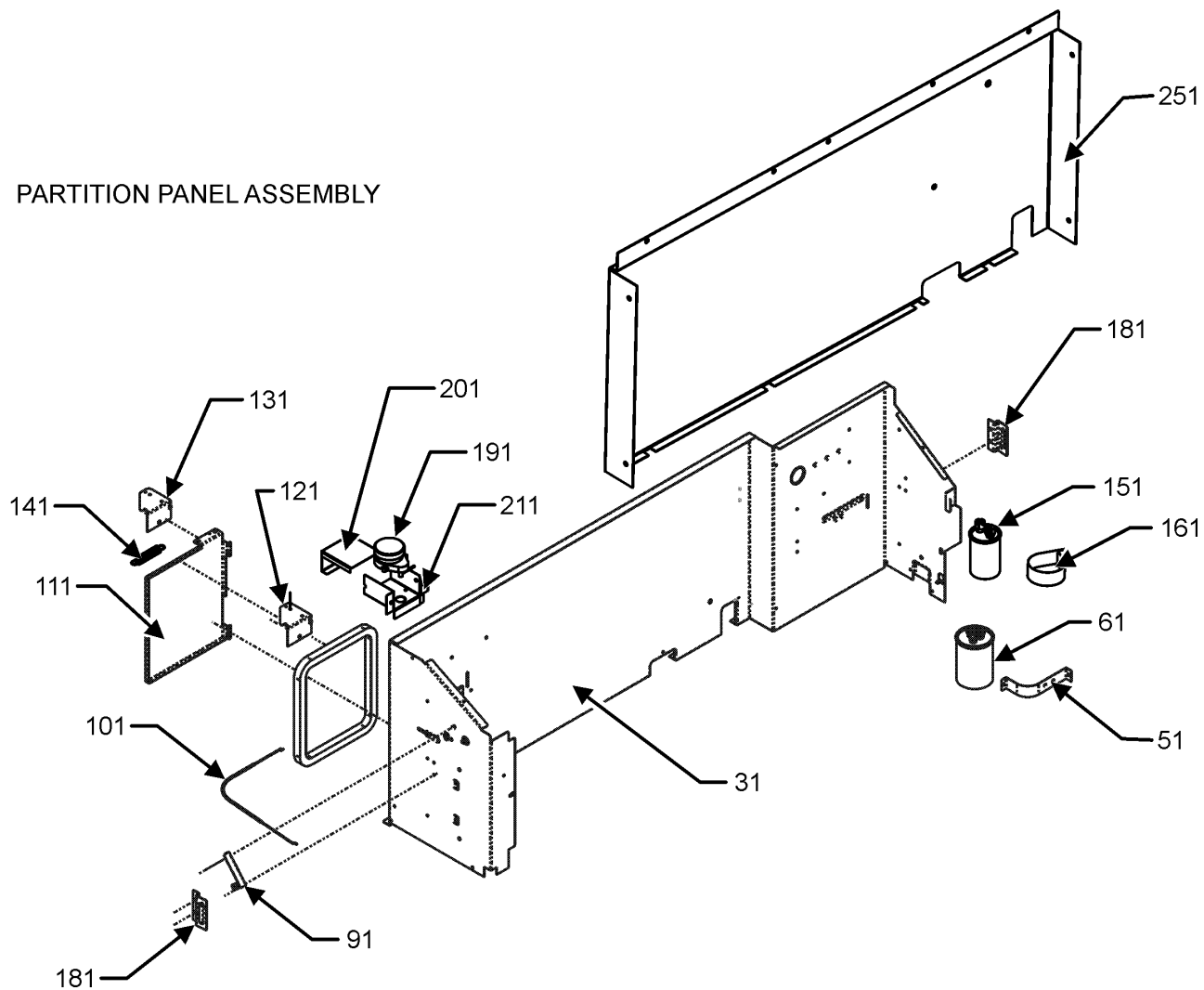
M1 - PTH094E25AXXXAC
 M2 - PTH094E25CXXXAB
 M3 - PTH094E25CXXXAC
 M4 - PTH094E25DRXXAC
 M5 - PTH094E25RXXXAB
 M6 - PTH094E35AXXXAC
 M7 - PTH094E35CXXXAB
 M8 - PTH094E35CXXXAC
 M9 - PTH094E35DXXXAB
 M10 - PTH094E35QRXXAC
 M11 - PTH094E35QXXXAC
 M12 - PTH094E35VXXXAB
 M13 - PTH094E50AXXXAC
 M14 - PTH094E50CXXXAC
 M15 - PTH094E50DXXXAC

Outdoor System and Partition Panel Assy

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor System and Partition Panel Assy

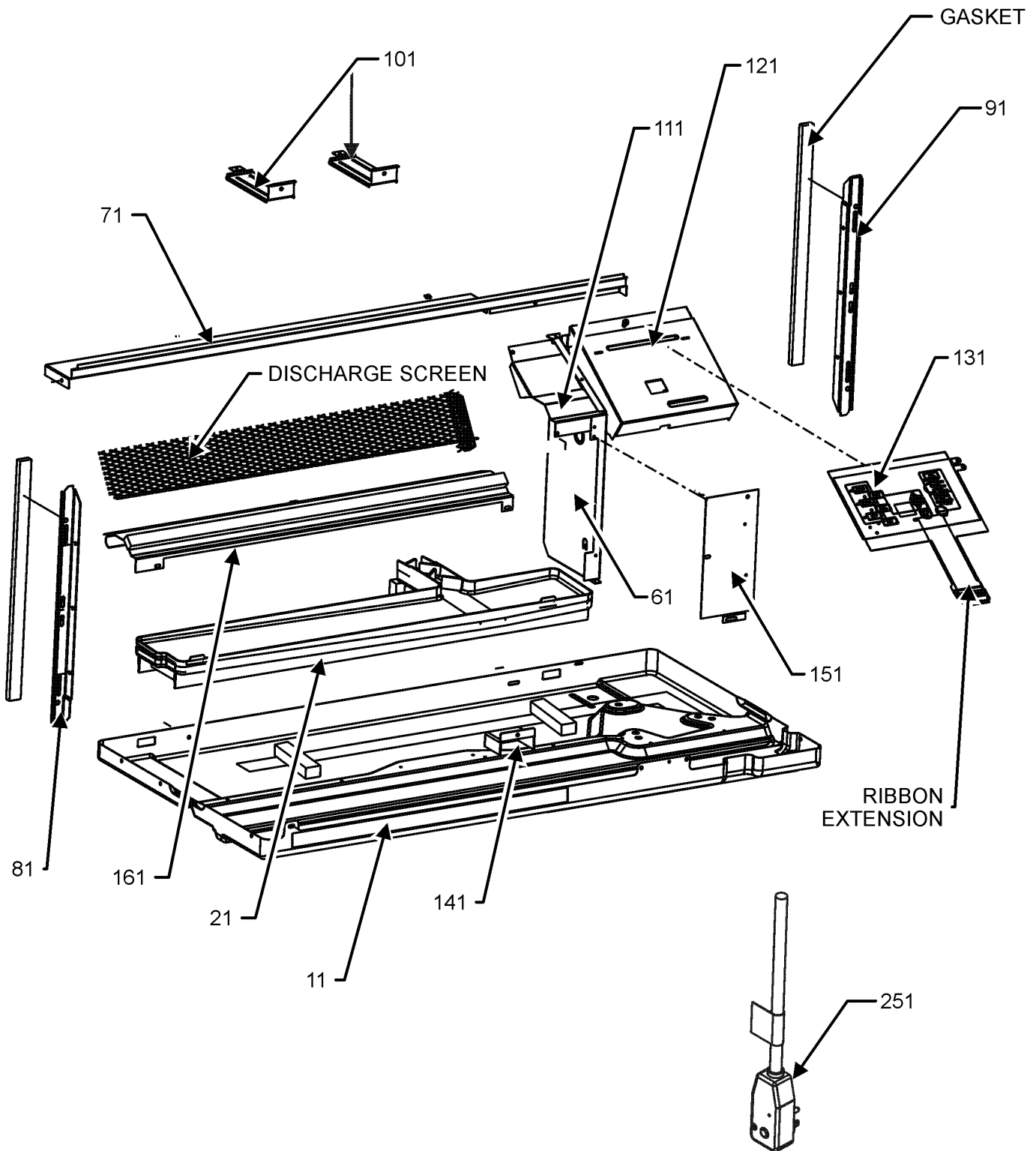
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00026		SHROUD, CONDENSER (M2, M5, M7, M9, M12)
21	0131P00017		FAN MOTOR OUTDOOR (M2, M5, M7, M9, M12)
21	0131P00028		FAN MOTOR, OUTDOOR (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)
31	0121P00093		PANEL-PARTITION (M10, M11)
31	0121P00108NG		PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M9, M12, M13, M14, M15)
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP020250450CS		CAPACITOR 2/25/450V/DUAL RD (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)
61	CAP020250440RS		CAPACITOR 2/250/440V (M2, M5, M7, M9, M12)
81	0130P00098		THERMISTOR GREEN OAT (M4, M5, M10)
91	11046302		LEVER ARM (M1, M2, M3, M5, M6, M7, M8, M13, M14)
101	0163P00019		CABLE (M1, M2, M3, M5, M6, M7, M8, M13, M14)
111	0121P00177NG		DOOR - PNT VENT PTC (M2, M3, M7, M8, M14)
121	0121P00079		BRACKET, VENT DOOR (M4, M9, M12, M15)
131	0121P00072NG		BRACKET, VENT DOOR-C (M2, M3, M7, M8, M14)
131	0121P00180		BRKT, POWER VENT (M4, M9, M12, M15)
141	11166401		EXTENSION SPRING (M4, M9, M12, M15)
151	CAP010000500RP		CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
151	CAP015000500RP		CAPACITOR (M13, M14, M15)
161	0163P00029		CAPACITOR CLAMP
181	11191703		PARTITION PANEL BRACKET (QTY 2)
191	0130P00137		MOTOR (M4, M9, M12, M15)
201	11166201		POWER VENT COVER BRACKET (M4, M9, M12, M15)
211	11166101		POWER VENT MOTOR BRACKET (M4, M9, M12, M15)
251	0121P00091		PANEL-AUXILLIARY (M10, M11)

Expanded Model Nomenclature

M1 - PTH094E25AXXXAC
 M2 - PTH094E25CXXXAB
 M3 - PTH094E25CXXXAC
 M4 - PTH094E25DRXXAC
 M5 - PTH094E25RXXXAB
 M6 - PTH094E35A XXXAC
 M7 - PTH094E35CXXXAB
 M8 - PTH094E35CXXXAC
 M9 - PTH094E35DXXXAB
 M10 - PTH094E35QRXXAC
 M11 - PTH094E35QXXXAC
 M12 - PTH094E35V XXXAB
 M13 - PTH094E50A XXXAC
 M14 - PTH094E50CXXXAC
 M15 - PTH094E50DXXXAC

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

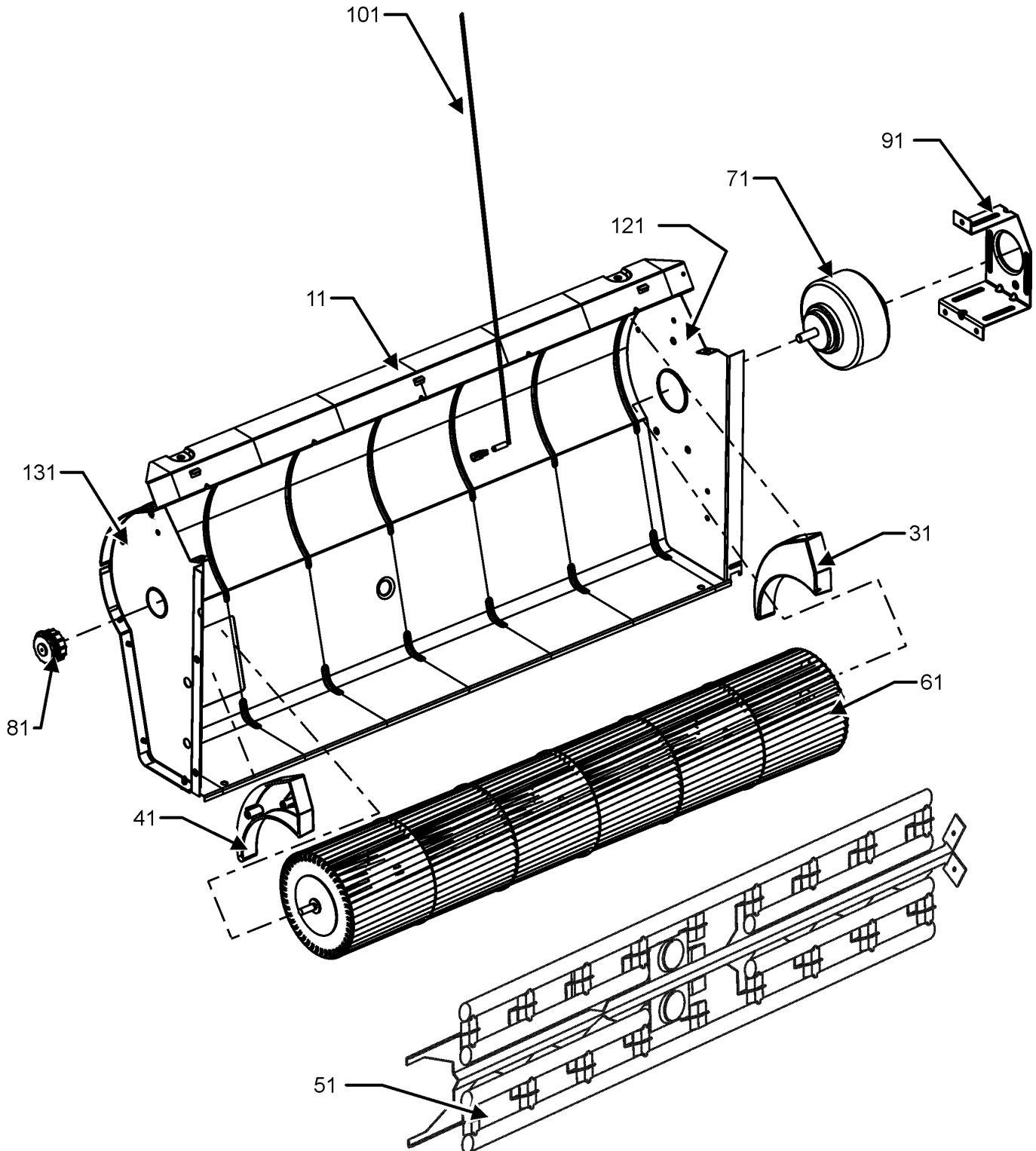
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00175DG		BASE PAN (M1, M4, M5, M6, M9, M10, M11, M12, M13, M15)
11	0121P00175NG		BASE PAN (M2, M3, M7, M8, M14)
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
71	0121P00063NG		TOP, PARTITION PANEL
81	0121P00197		SEAL-L SIDE PTC
91	0121P00198		SEAL-R SIDE PTC
101	0121P00071NG		BRACE, TIE (QTY 2)
111	0121P00070DG		COVER, MOTOR
121	0121P00129		COVER-CONTROL PANEL
131	RSKP0005		MEMBRANE KIT
141	0161P00016		PLASTIC-HOOD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M12, M13, M14, M15)
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
251	11114801		CORD-277V 30A (M13, M14, M15)
251	11114701		CORD-277V-20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
NS	0130P00054		MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH094E25AXXXAC
 M2 - PTH094E25CXXXAB
 M3 - PTH094E25CXXXAC
 M4 - PTH094E25DRXXAC
 M5 - PTH094E25RXXXAB
 M6 - PTH094E35A XXXAC
 M7 - PTH094E35CXXXAB
 M8 - PTH094E35CXXXAC
 M9 - PTH094E35DXXXAB
 M10 - PTH094E35QRXXAC
 M11 - PTH094E35QXXXAC
 M12 - PTH094E35VXXXAB
 M13 - PTH094E50A XXXAC
 M14 - PTH094E50CXXXAC
 M15 - PTH094E50DXXXAC

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

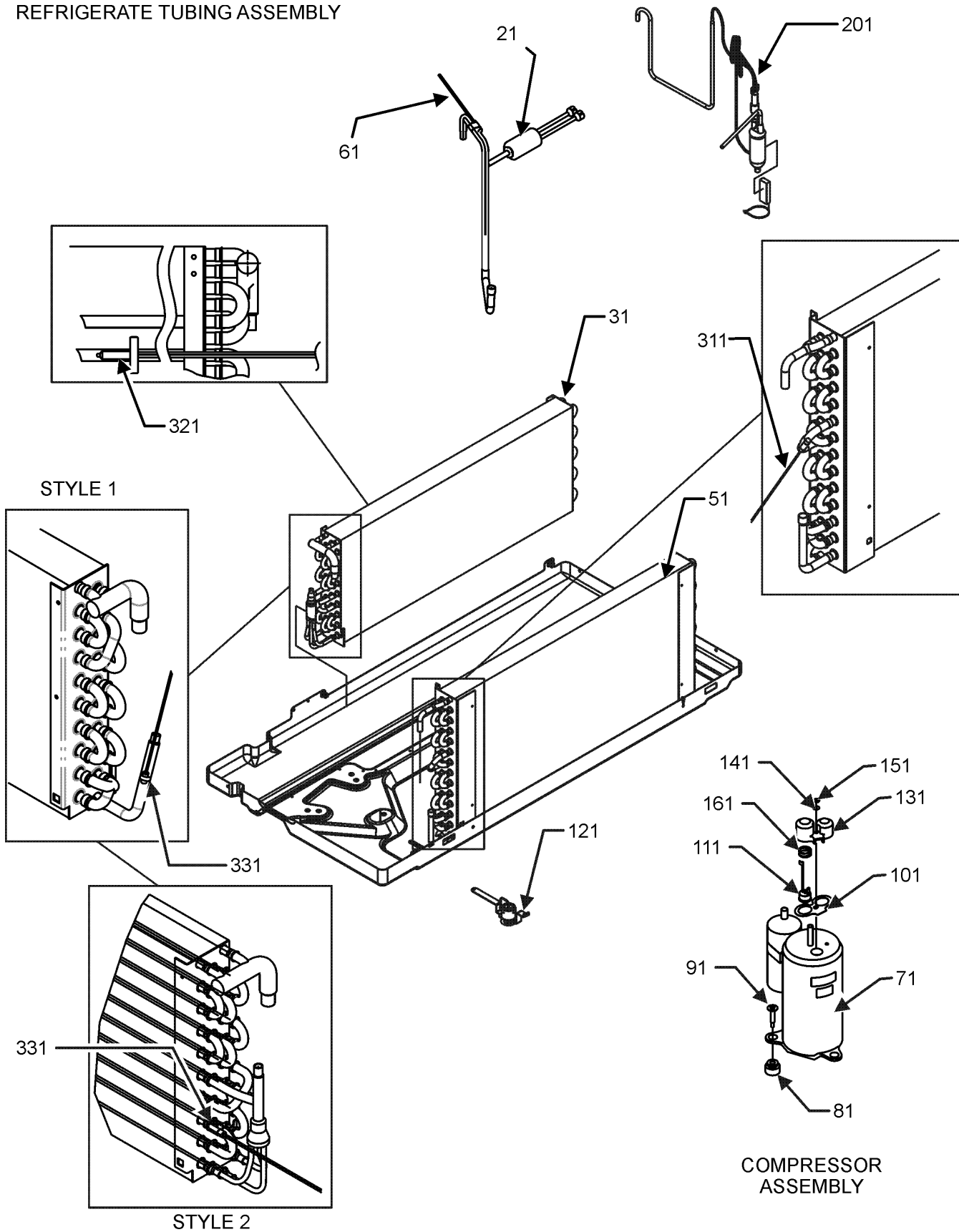
11	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M1, M2, M3, M4, M5)
51	0275P00040	HEATER ASSY (M6, M7, M8, M9, M10, M11, M12)
51	0275P00041	HEATER ASSY (M13, M14, M15)
61	0150P00005	WHEEL, BLOWER
71	0131P00056	FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
71	0131P00057	FAN MOTOR, INDOOR (M13, M14, M15)
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PTH094E25A XXXAC
 M2 - PTH094E25C XXXAB
 M3 - PTH094E25C XXXAC
 M4 - PTH094E25DR XXAC
 M5 - PTH094E25R XXXAB
 M6 - PTH094E35A XXXAC
 M7 - PTH094E35C XXXAB
 M8 - PTH094E35C XXXAC
 M9 - PTH094E35D XXXAB
 M10 - PTH094E35QR XXAC
 M11 - PTH094E35Q XXXAC
 M12 - PTH094E35V XXXAB
 M13 - PTH094E50A XXXAC
 M14 - PTH094E50C XXXAC
 M15 - PTH094E50D XXXAC

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
21	0130M00132		CUT-OUT SWITCH, HIGH PRESSURE
31	0202P00065		EVAP ASSY, 5/16, 3 ROW
51	0201P00079		CONDENSER ASSY (M1, M4, M5, M6, M9, M10, M11, M12, M13, M15)
51	0201P00083DG		CONDENSER ASSY (M2, M3, M7, M8, M14)
61	0130P00077		THERMISTOR (M4, M5, M10)
71	44A207AK&AEKD		COMPRESSOR, RECHI
81	60130203		GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079		SCREW, SHOULDER (QTY 3)
101	60100103		TERMINAL GASKET
111	60343516		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	0210P00124		CAPILLARY WELDMENT
311	20295711		THERMISTOR (M2, M5, M7, M9, M12)
311	0130P00093		THERMISTOR, .375 CLIP, BLUE (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)
321	0130P00142		THERMISTOR (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)
321	0130P00047		THERMISTOR - INDOOR AMBIENT (M2, M5, M7, M9, M12)
331	0130P00144		THERMISTOR - INDOOR COIL (M1, M3, M4, M6, M8, M10, M11, M13, M14, M15)
331	0130P00033		THERMISTOR-INDOOR COIL (M2, M5, M7, M9, M12)

Expanded Model Nomenclature

M1 - PTH094E25AXXXAC
M2 - PTH094E25CXXXAB
M3 - PTH094E25CXXXAC
M4 - PTH094E25DRXXAC
M5 - PTH094E25RXXXAB
M6 - PTH094E35AXXXAC
M7 - PTH094E35CXXXAB
M8 - PTH094E35CXXXAC
M9 - PTH094E35DXXXAB
M10 - PTH094E35QRXXAC
M11 - PTH094E35QXXXAC
M12 - PTH094E35VXXXAB
M13 - PTH094E50AXXXAC
M14 - PTH094E50CXXXAC
M15 - PTH094E50DXXXAC