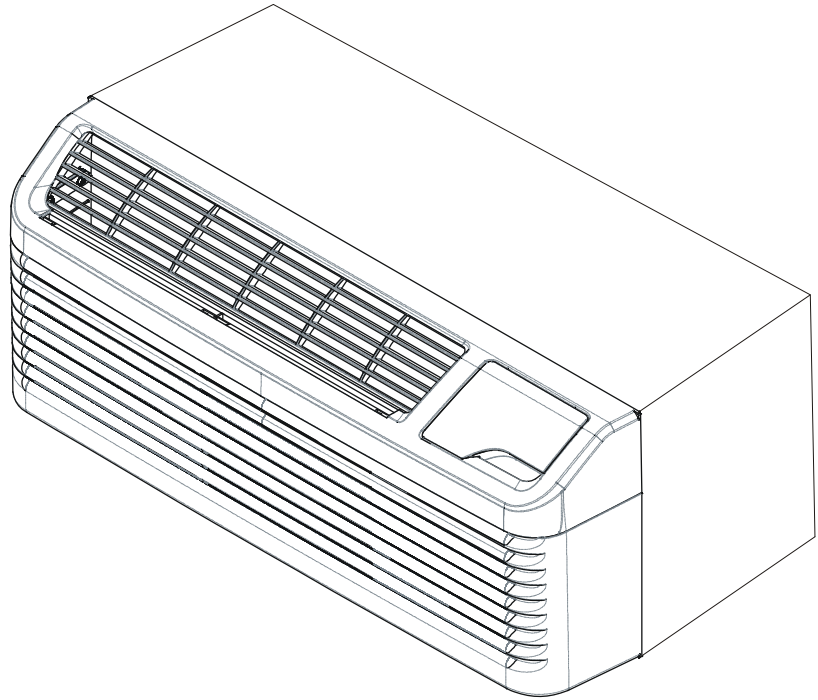

PTH074E Package Terminal Heat Pumps

PTH074E25AXXXAC
PTH074E25CXXXAB
PTH074E25CXXXAC
PTH074E25RXXXAB
PTH074E35CXXXAB
PTH074E35CXXXAC
PTH074E35DXXXAC
PTH074E35QRXXAC
PTH074E35QXXXAC
PTH074E35RXXXAB



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This manual is to be used by qualified technicians only.

This manual replaces RP-674B.

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Important Information

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Functional Parts List	3
Illustration and Parts	4 - 13

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:

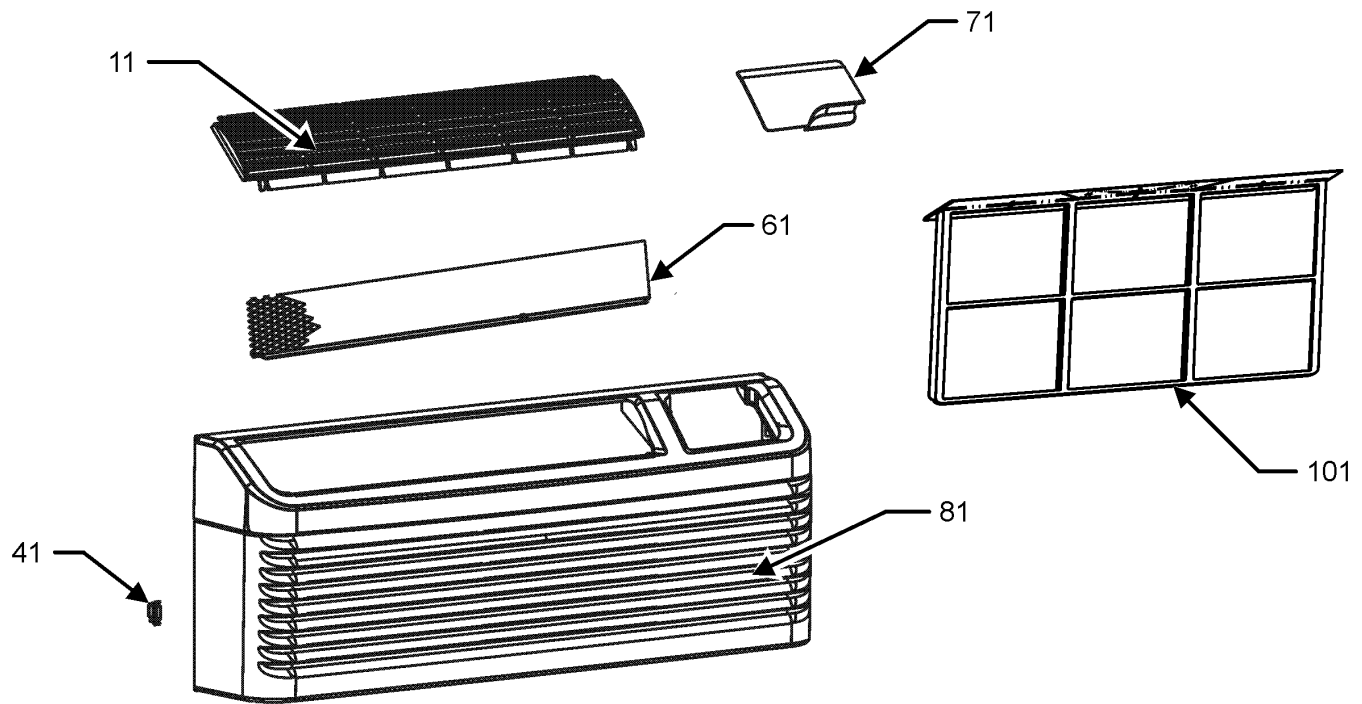
20406303	BASE PAN VALVE
CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD (M1, M3, M6, M7, M8, M9)
CAP010000500RP	CAPACITOR
CAP020150440RS	CAPACITOR, 440V (M2, M4, M5, M10)
39A167A	COMPRESSOR, RECHI
RSKP0010	CONTROL BOARD M61
RSKP0005	CONTROL PANEL COVER AND MEMBRANE
11114701	CORD 277 VAC, 20A
0130M00132	CUT-OUT SWITCH, HIGH PRESSURE
0131P00017	FAN MOTOR OUTDOOR (M2, M4, M5, M10)
0131P00037	FAN MOTOR, INDOOR
0131P00028	FAN MOTOR, OUTDOOR (M1, M3, M6, M7, M8, M9)
0161P00055	FAN, CONDENSER
A3410402	FUSE 15A (M1, M2, M3, M4)
A3410403	FUSE 20A (M5, M6, M7, M8, M9, M10)
0275P00040	HEATER ASSY (M5, M6, M7, M8, M9, M10)
0275P00023	HEATER ASSY (M1, M2, M3, M4)
0130P00137	MOTOR (M7)
60343547	OVERLOAD PROTECTOR
0130M00097	RELAY (M1, M3, M6, M7, M8, M9)
C8873932	RELAY (POWER VENT) (M7)
0130P00073	THERMISTOR (M1, M3, M6, M7, M8, M9)
0130P00134	THERMISTOR - DISCHARGE
0130P00085	THERMISTOR - HEAT PUMP (M1, M3, M6, M7, M8, M9)
0130P00077	THERMISTOR - INDOOR (M4, M8, M10)
0130P00046	THERMISTOR - INDOOR AMBIENT (M2, M4, M5, M10)
20295707	THERMISTOR - INDOOR COIL (M2, M4, M5, M10)
0130P00084	THERMISTOR - INDOOR COIL (M1, M3, M6, M7, M8, M9)
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4, M8, M10)
20295709	THERMISTOR-HEAT PUMP (M2, M4, M5, M10)
0130M00329	TRANSFORMER 20VA 60HZ
0130M00151	TRANSFORMER 277V to 24V, 40VA (M7)

Expanded Model Nomenclature

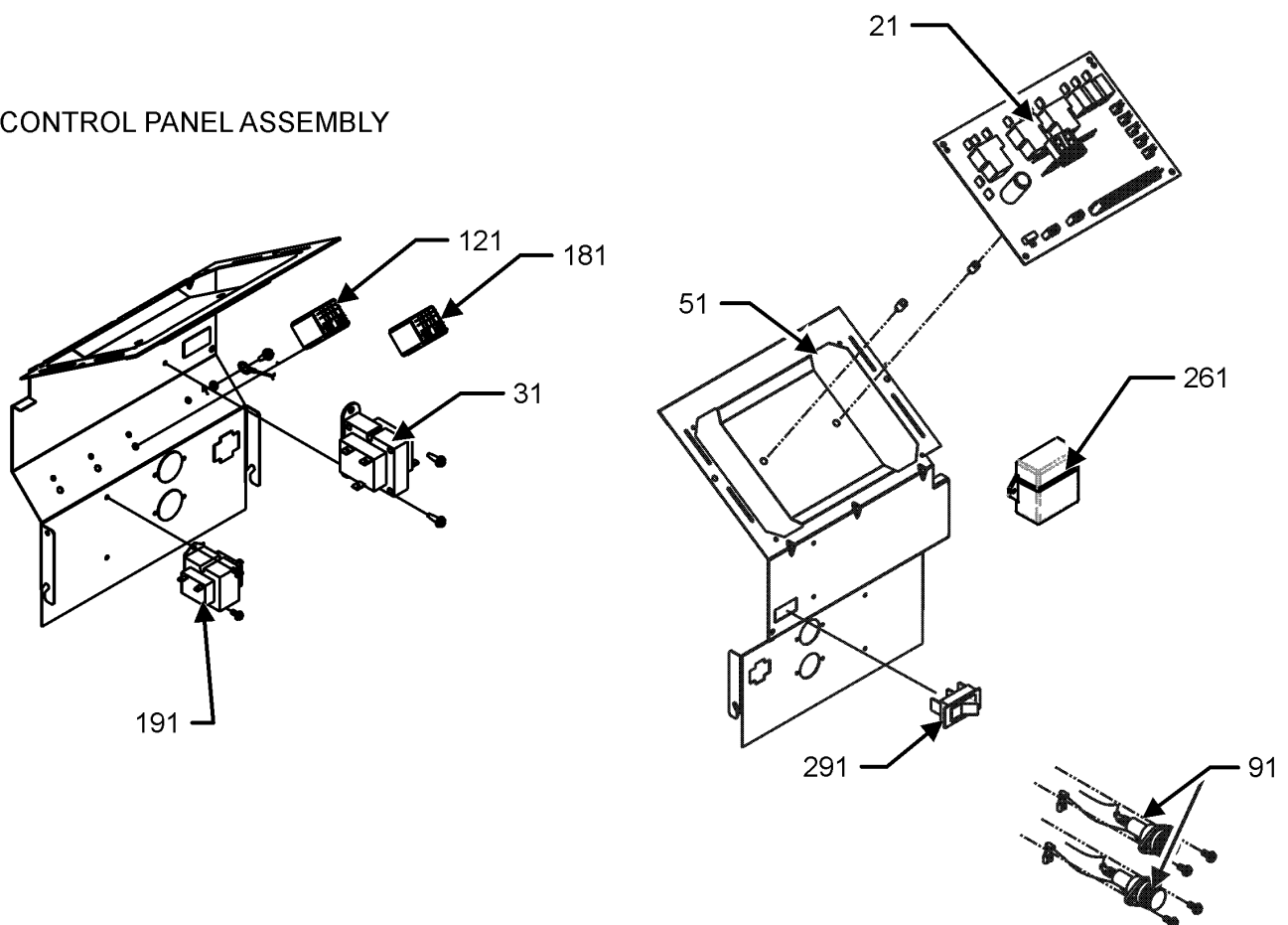
M1 - PTH074E25AXXXAC
M2 - PTH074E25CXXXAB
M3 - PTH074E25CXXXAC
M4 - PTH074E25RXXXAB
M5 - PTH074E35CXXXAB
M6 - PTH074E35CXXXAC
M7 - PTH074E35DXXXAC
M8 - PTH074E35QRXXAC
M9 - PTH074E35QXXXAC
M10 - PTH074E35RXXXAB

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:
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Image 1:

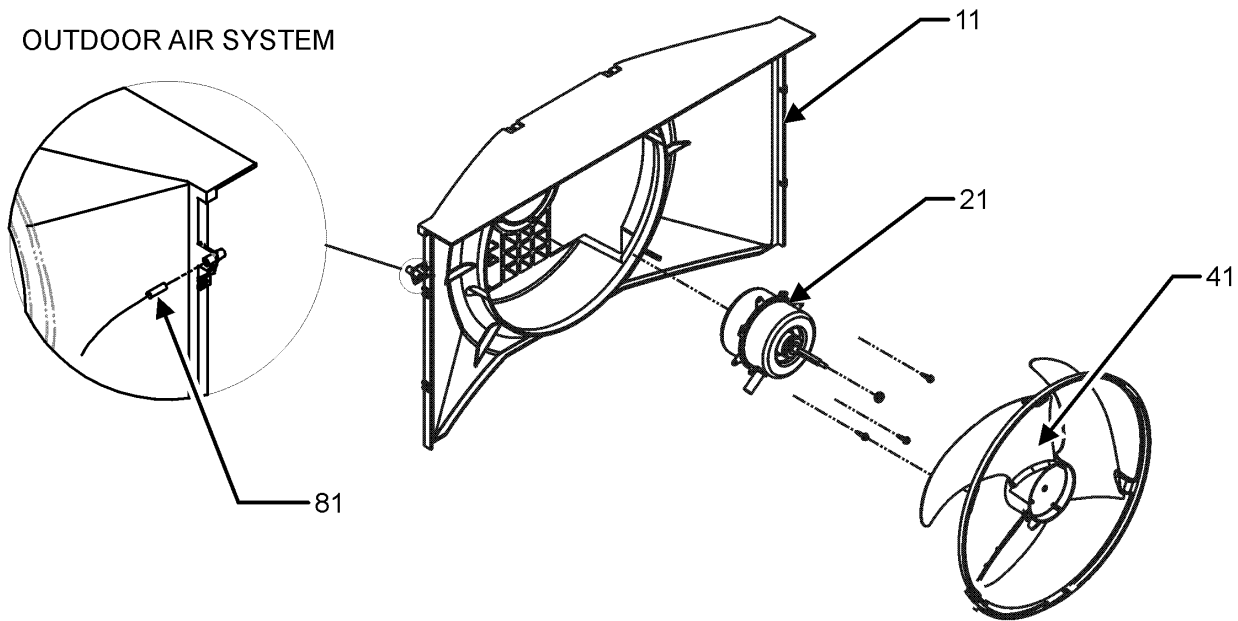
11	0161P00048	FRONT-DICHARGE LOUVERS
21	RSKP0010	CONTROL BOARD M61
31	0130M00329	TRANSFORMER 20VA 60HZ
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
91	C6476001	BAYONET FUSE HOLDER (M1, M2, M3, M4)
91	C6476002	BAYONET FUSE HOLDER (M5, M6, M7, M8, M9, M10)
101	0161P00035	FILTER, RACK (QTY 2)
121	0130M00097	RELAY (M1, M3, M6, M7, M8, M9)
181	C8873932	RELAY (POWER VENT) (M7)
191	0130M00151	TRANSFORMER 277V to 24V, 40VA (M7)
261	0130P00104	ANTENNA (DIGITENNA) (M4, M8, M10)
291	B1337701	PADDLE SWITCH (M7)
NS	A3410402	FUSE 15A (M1, M2, M3, M4)
NS	A3410403	FUSE 20A (M5, M6, M7, M8, M9, M10)

Expanded Model Nomenclature

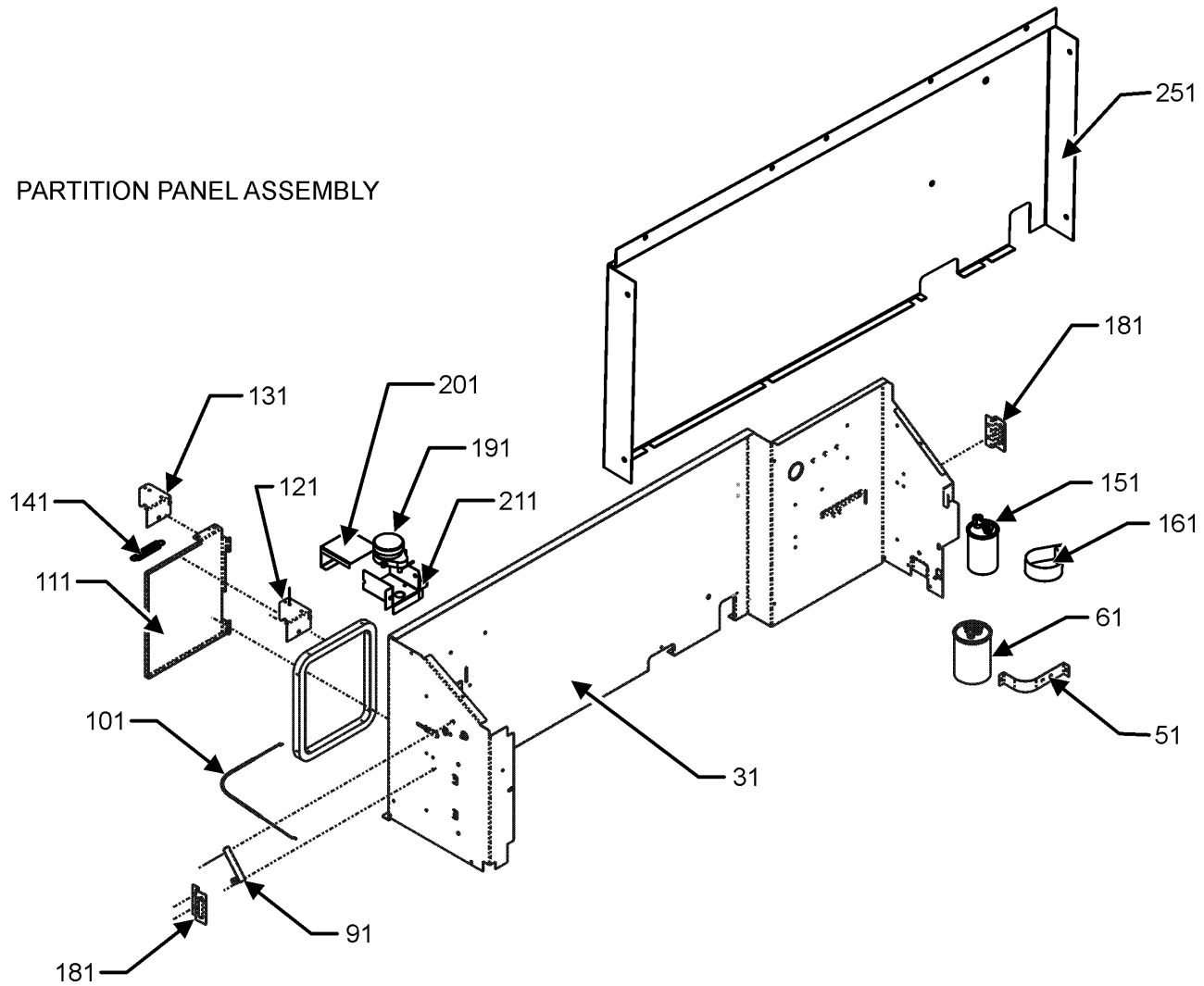
M1 - PTH074E25AXXXAC
M2 - PTH074E25CXXXAB
M3 - PTH074E25CXXXAC
M4 - PTH074E25RXXXAB
M5 - PTH074E35CXXXAB
M6 - PTH074E35CXXXAC
M7 - PTH074E35DXXXAC
M8 - PTH074E35QRXXAC
M9 - PTH074E35QXXXAC
M10 - PTH074E35RXXXAB

Outdoor System and Partition Panel Assy

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor System and Partition Panel Assy

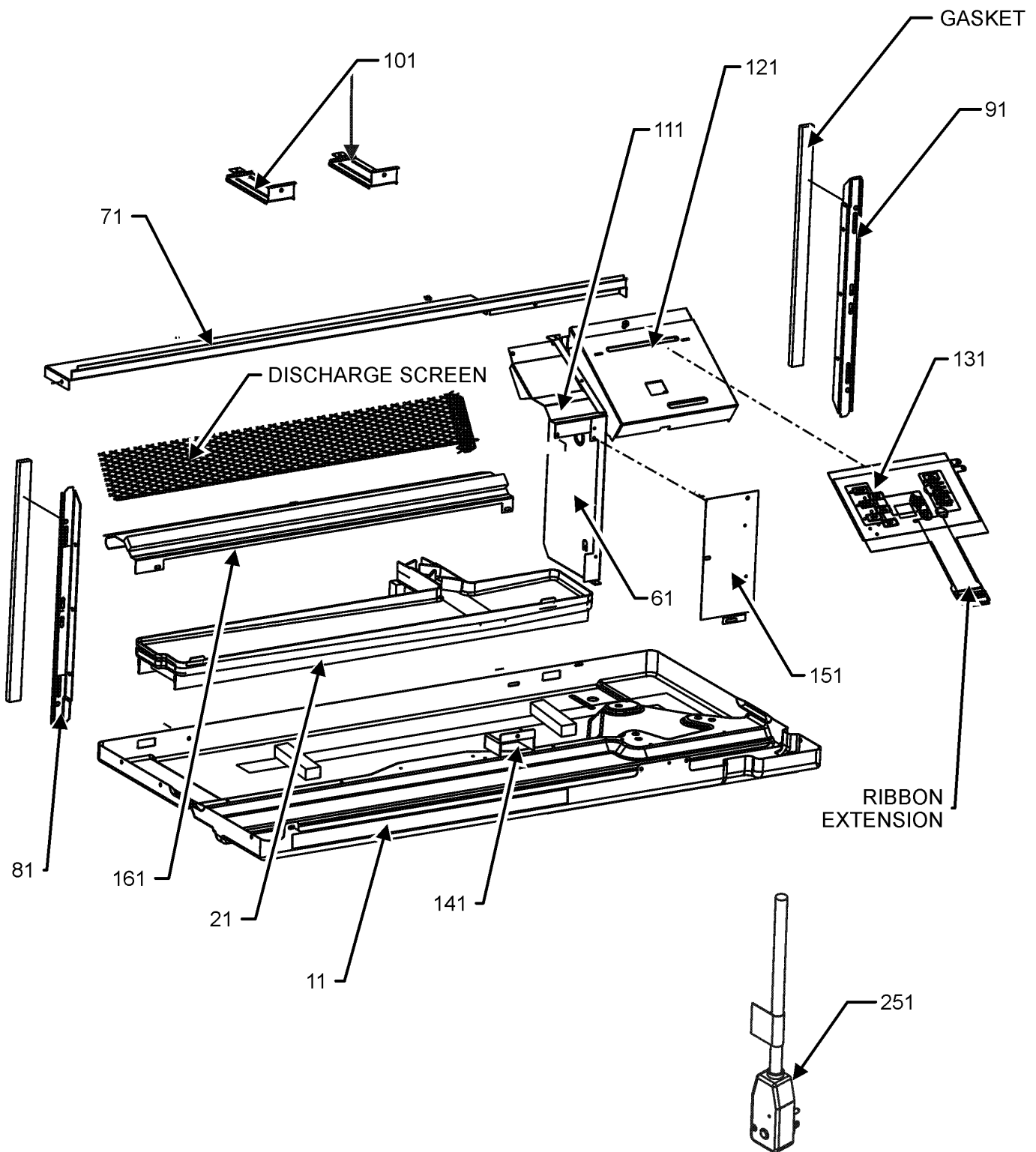
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00026		SHROUD, CONDENSER (M2, M4, M5, M10)
11	0161P00053		SHROUD, CONDENSOR (M1, M3, M6, M7, M8, M9)
21	0131P00017		FAN MOTOR OUTDOOR (M2, M4, M5, M10)
21	0131P00028		FAN MOTOR, OUTDOOR (M1, M3, M6, M7, M8, M9)
31	0121P00093		PANEL-PARTITION (M8, M9)
31	0121P00108NG		PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M10)
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP020150450CS		CAP, 2/15 MFD/450V/DUAL RD (M1, M3, M6, M7, M8, M9)
61	CAP020150440RS		CAPACITOR, 440V (M2, M4, M5, M10)
81	0130P00098		THERMISTOR - OUTDOOR AMBIENT (M4, M8, M10)
91	11046302		LEVER ARM (M1, M2, M3, M4, M5, M6, M10)
101	0163P00019		CABLE (M1, M2, M3, M4, M5, M6, M10)
111	0121P00177NG		DOOR - PNT VENT PTC (M1, M2, M3, M4, M5, M6, M7, M10)
121	0121P00079		BRACKET, VENT DOOR (M7)
131	0121P00072NG		BRACKET, VENT DOOR-C (M1, M2, M3, M4, M5, M6, M10)
131	0121P00180		BRKT, POWER VENT (M7)
141	11166401		EXTENSION SPRING (M7)
151	CAP010000500RP		CAPACITOR
161	0163P00029		CAPACITOR CLAMP
181	11191703		PARTITION PANEL BRACKET (QTY 2)
191	0130P00137		MOTOR (M7)
201	11166201		POWER VENT COVER BRACKET (M7)
211	11166101		POWER VENT MOTOR BRACKET (M7)
251	0121P00091		PANEL-AUXILLIARY (M8, M9)

Expanded Model Nomenclature

M1 - PTH074E25AXXXAC
M2 - PTH074E25CXXXAB
M3 - PTH074E25CXXXAC
M4 - PTH074E25RXXXAB
M5 - PTH074E35CXXXAB
M6 - PTH074E35CXXXAC
M7 - PTH074E35DXXXAC
M8 - PTH074E35QRXXAC
M9 - PTH074E35QXXXAC
M10 - PTH074E35RXXXAB

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

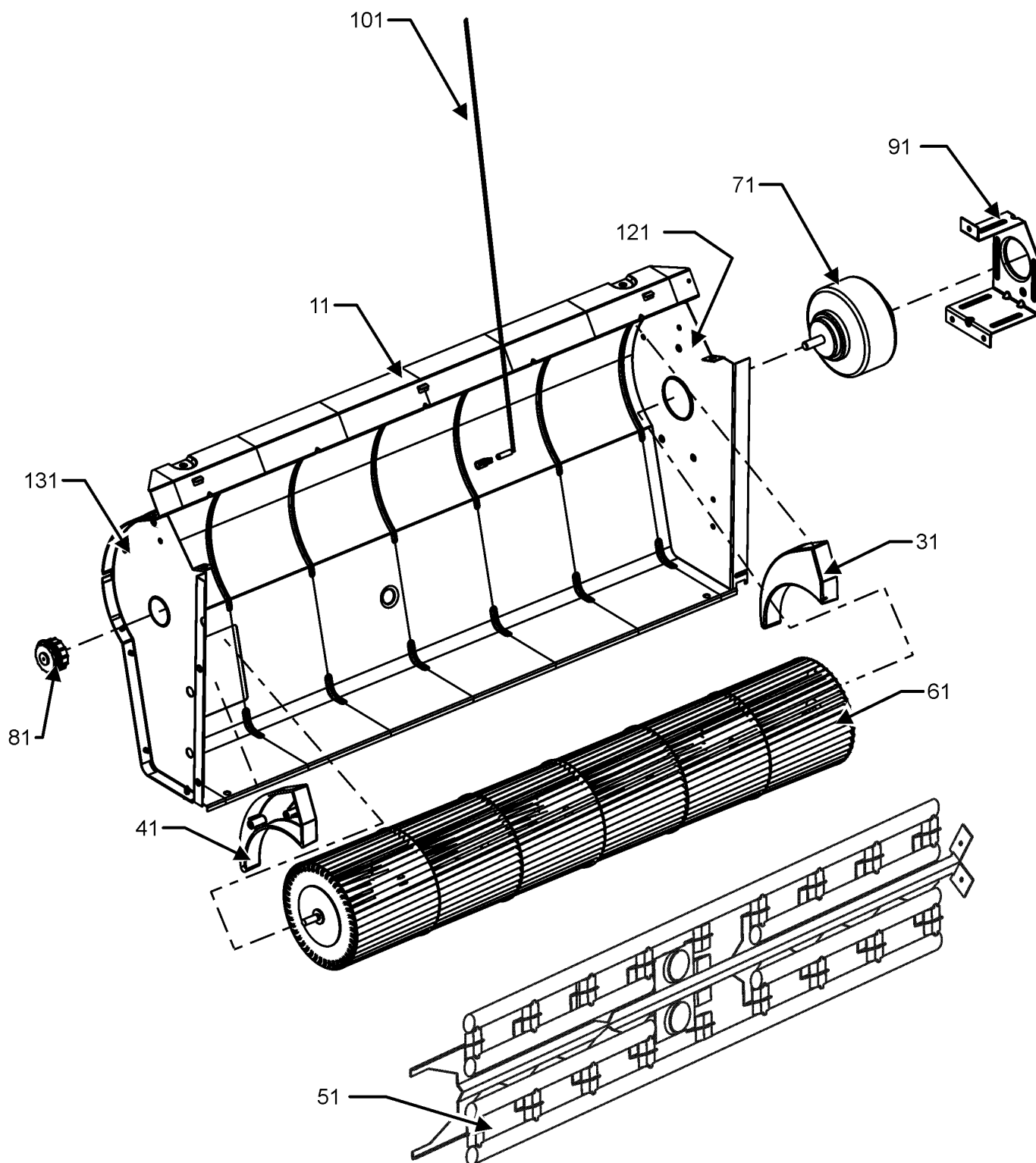
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00175DG		BASE PAN (M1, M4, M7, M8, M9, M10)
11	0121P00175NG		BASE PAN (M2, M3, M5, M6)
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
71	0121P00063NG		TOP, PARTITION PANEL
81	0121P00197		SEAL-L SIDE PTC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

Expanded Model Nomenclature

M1 - PTH074E25AXXXAC
 M2 - PTH074E25CXXXAB
 M3 - PTH074E25CXXXAC
 M4 - PTH074E25RXXXAB
 M5 - PTH074E35CXXXAB
 M6 - PTH074E35CXXXAC
 M7 - PTH074E35DXXXAC
 M8 - PTH074E35QRXXAC
 M9 - PTH074E35QXXXAC
 M10 - PTH074E35RXXXAB

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:

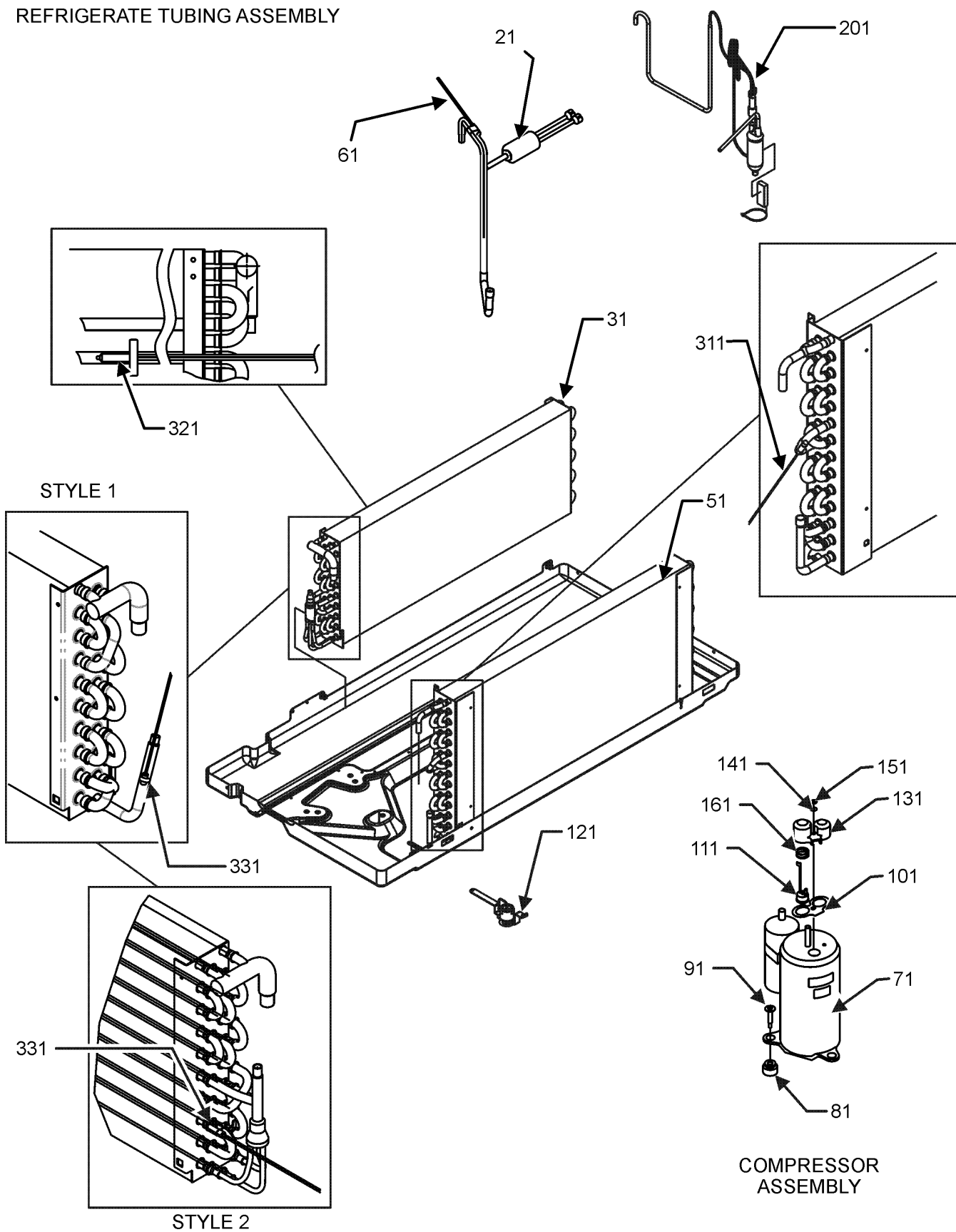
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M1, M2, M3, M4)
51	0275P00040	HEATER ASSY (M5, M6, M7, M8, M9, M10)
61	0150P00004	WHEEL, BLOWER
71	0131P00037	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134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

Expanded Model Nomenclature

M1 - PTH074E25AXXXAC
 M2 - PTH074E25CXXXAB
 M3 - PTH074E25CXXXAC
 M4 - PTH074E25RXXXAB
 M5 - PTH074E35CXXXAB
 M6 - PTH074E35CXXXAC
 M7 - PTH074E35DXXXAC
 M8 - PTH074E35QRXXAC
 M9 - PTH074E35QXXXAC
 M10 - PTH074E35RXXXAB

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



COMPRESSOR ASSEMBLY

Refrigerate Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
21	0130M00132		CUT-OUT SWITCH, HIGH PRESSURE
31	0202P00067		EVAP ASSY, 3/8, 2 ROW
51	0201P00082		COND ASSY, 5/16, 2 ROW (M1, M4, M7, M8, M9, M10)
51	0201P00085DG		CONDENSER ASSY (M2, M3, M5, M6)
61	0130P00077		THERMISTOR - INDOOR (M4, M8, M10)
71	39A167A		COMPRESSOR, RECHI
81	60110202		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253661		SHOULDER SCREW (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	0210P00181		CAPILLARY WELDMENT
311	0130P00085		THERMISTOR - HEAT PUMP (M1, M3, M6, M7, M8, M9)
311	20295709		THERMISTOR-HEAT PUMP (M2, M4, M5, M10)
321	0130P00073		THERMISTOR (M1, M3, M6, M7, M8, M9)
321	0130P00046		THERMISTOR - INDOOR AMBIENT (M2, M4, M5, M10)
331	0130P00084		THERMISTOR - INDOOR COIL (M1, M3, M6, M7, M8, M9)
331	20295707		THERMISTOR - INDOOR COIL (M2, M4, M5, M10)

Expanded Model Nomenclature

M1 - PTH074E25AXXXAC
 M2 - PTH074E25CXXXAB
 M3 - PTH074E25CXXXAC
 M4 - PTH074E25RXXXAB
 M5 - PTH074E35CXXXAB
 M6 - PTH074E35CXXXAC
 M7 - PTH074E35DXXXAC
 M8 - PTH074E35QRXXAC
 M9 - PTH074E35QXXXAC
 M10 - PTH074E35RXXXAB