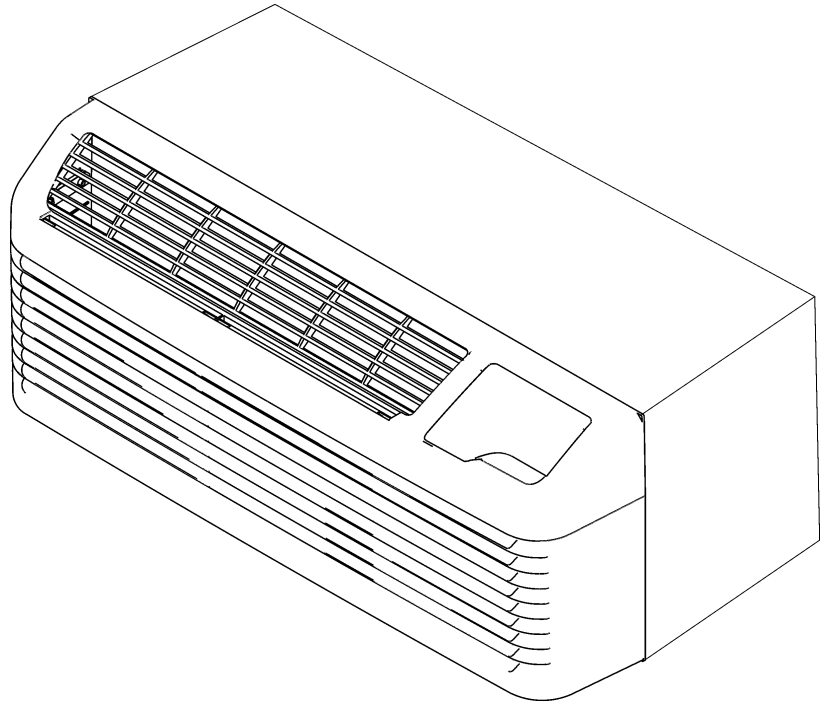

PTC074E Package Terminal Air Conditioner

PTC074E00HRXXAB
PTC074E00HXXXAB
PTC074E25AXXXAB
PTC074E25AXXXAC
PTC074E25CXXXAB
PTC074E25CXXXAC
PTC074E25RXXXAB
PTC074E35AXXXAB
PTC074E35AXXXAC
PTC074E35CXXXAB
PTC074E35CXXXAC
PTC074E35RXXXAB



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This manual is to be used by qualified technicians only.

This manual replaces RP-642A.

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Important Information

Index

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:

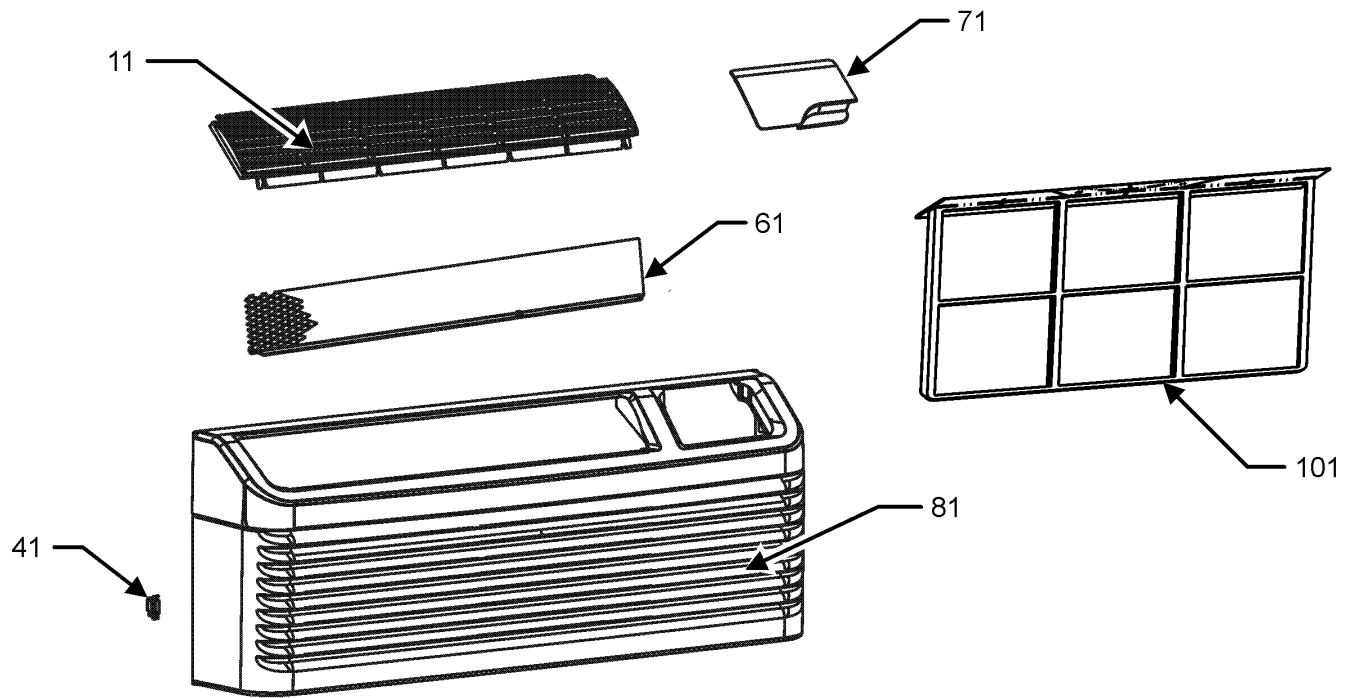
CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD (M4, M6, M9, M11)
CAP010000500RP	CAPACITOR
CAP020150440RS	CAPACITOR, 440V (M1, M2, M3, M5, M7, M8, M10, M12)
39A167A	COMPRESSOR, RECHI
RSKP0010	CONTROL BOARD M61 (M1, M7, M12)
RSKP0005	CONTROL PANEL COVER AND MEMBRANE
11114701	CORD 277 VAC, 20A
0130M00132	CUT-OUT SWITCH, HIGH PRESSURE
0131P00017	FAN MOTOR OUTDOOR (M1, M2, M3, M5, M7, M8, M10, M12)
0131P00037	FAN MOTOR, INDOOR
0131P00028	FAN MOTOR, OUTDOOR (M4, M6, M9, M11)
0161P00055	FAN, CONDENSER
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7)
A3410403	FUSE 20A (M8, M9, M10, M11, M12)
0275P00040	HEATER ASSY (M8, M9, M10, M11, M12)
0275P00023	HEATER ASSY (M3, M4, M5, M6, M7)
60343547	OVERLOAD PROTECTOR
0130M00097	RELAY (M4, M6, M9, M11)
C8873917	RELAY (HYDRONIC) (M1, M2)
0130P00134	THERMISTOR - DISCHARGE
0130P00085	THERMISTOR - HEAT PUMP (M1, M7, M12)
0130P00077	THERMISTOR - INDOOR (M1, M7, M12)
0130P00046	THERMISTOR - INDOOR AMBIENT
20295707	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M1, M7, M12)
0130M00329	TRANSFORMER 20VA 60HZ (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
0130M00151	TRANSFORMER 277V to 24V, 40VA (M1, M2)

Expanded Model Nomenclature

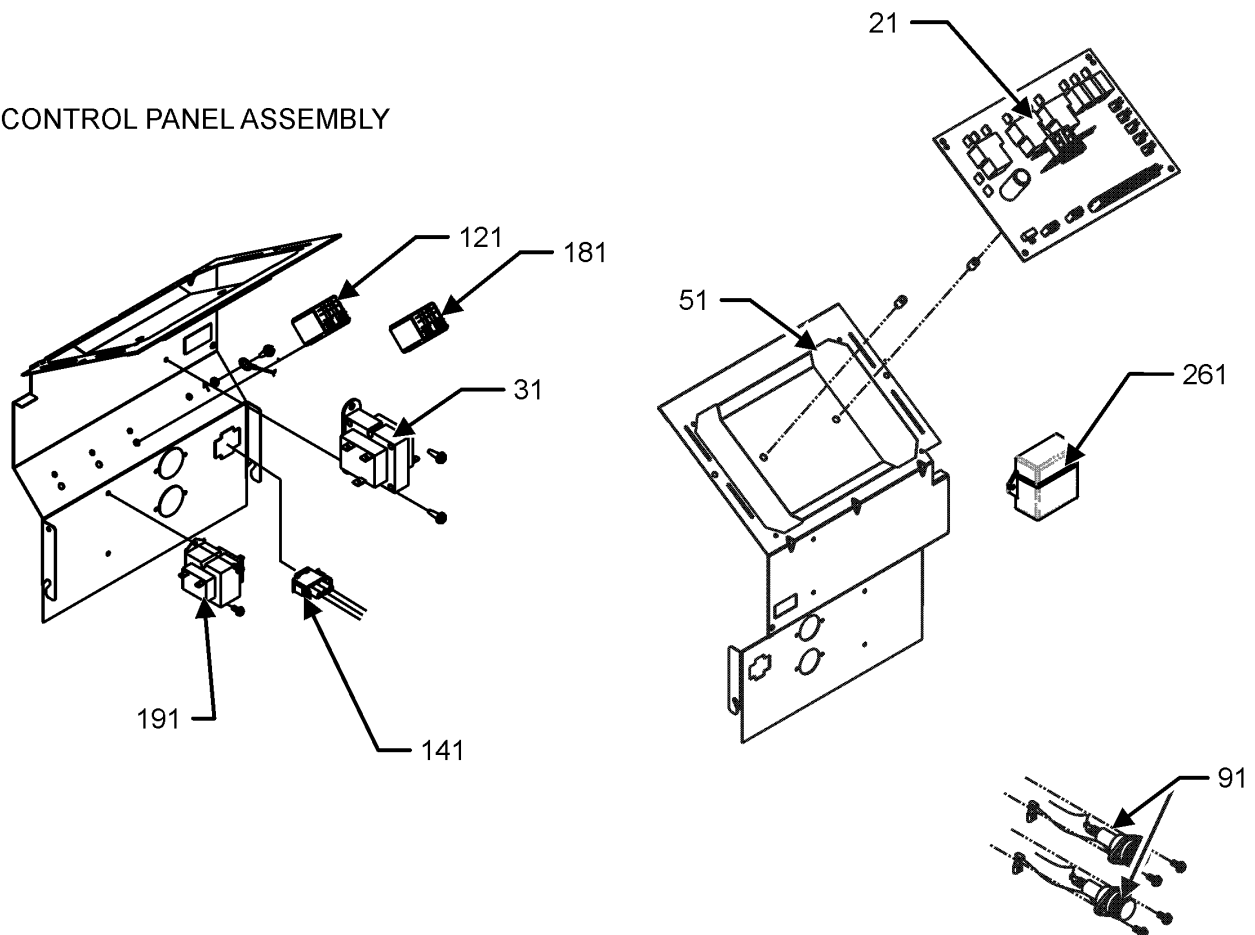
M1 - PTC074E00HRXXAB
 M2 - PTC074E00HXXXAB
 M3 - PTC074E25AXXXAB
 M4 - PTC074E25AXXXAC
 M5 - PTC074E25CXXXAB
 M6 - PTC074E25CXXXAC
 M7 - PTC074E25RXXXAB
 M8 - PTC074E35AXXXAB
 M9 - PTC074E35AXXXAC
 M10 - PTC074E35CXXXAB
 M11 - PTC074E35CXXXAC
 M12 - PTC074E35RXXXAB

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel and Control Panel Assembly

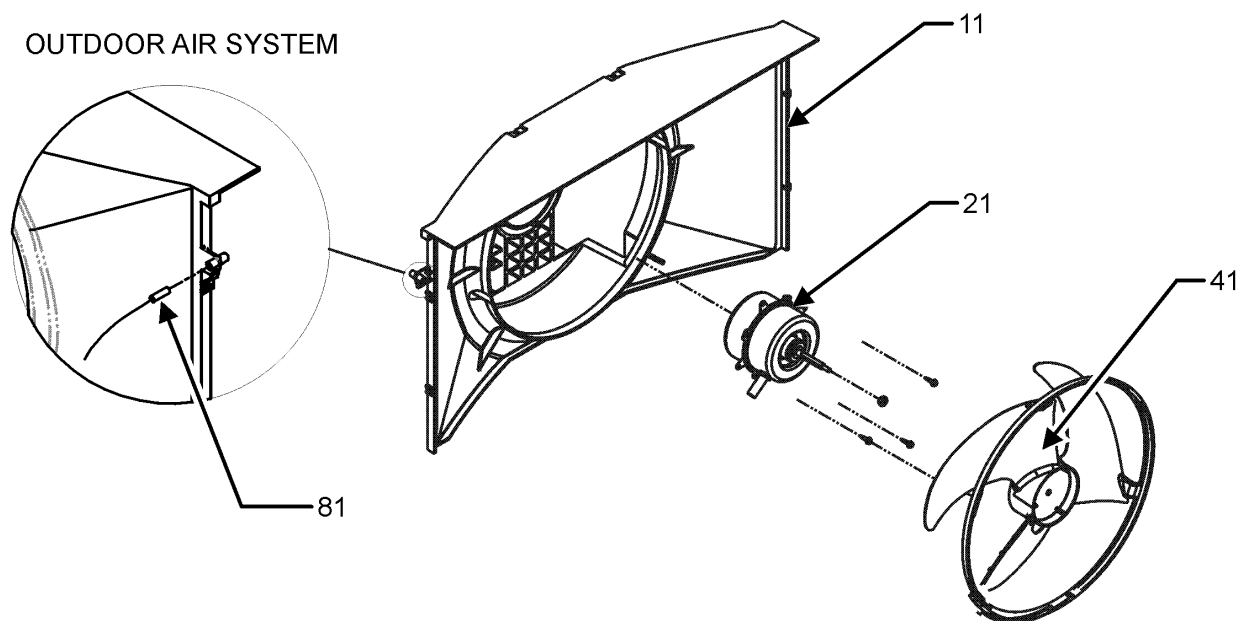
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00048		FRONT-DICHARGE LOUVERS (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
21	RSKP0010		CONTROL BOARD M61 (M1, M7, M12)
31	0130M00151		TRANSFORMER 277V to 24V, 40VA (M1, M2)
41	0163P00025		CLIP (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
51	0121P00130		PANEL, CONTROL
61	0121P00073		SCREEN, DISCHARGE (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
71	0261P00003		DOOR ASSY -AMANA- (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
81	0261P00011		FRONT ASSY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
91	C6476001		BAYONET FUSE HOLDER (M1, M2, M3, M4, M5, M6, M7)
91	C6476002		BAYONET FUSE HOLDER (M8, M9, M10, M11, M12)
101	0161P00035		FILTER, RACK (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
121	0130M00097		RELAY (M4, M6, M9, M11)
121	C8873917		RELAY (HYDRONIC) (M1, M2)
141	0259P00009		HARNESS, HYDR HT PTC (M1, M2)
191	0130M00329		TRANSFORMER 20VA 60HZ (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
261	0130P00104		ANTENNA (DIGITENNA) (M1, M7, M12)
NS	A3410402		FUSE 15A (M1, M2, M3, M4, M5, M6, M7)
NS	A3410403		FUSE 20A (M8, M9, M10, M11, M12)

Expanded Model Nomenclature

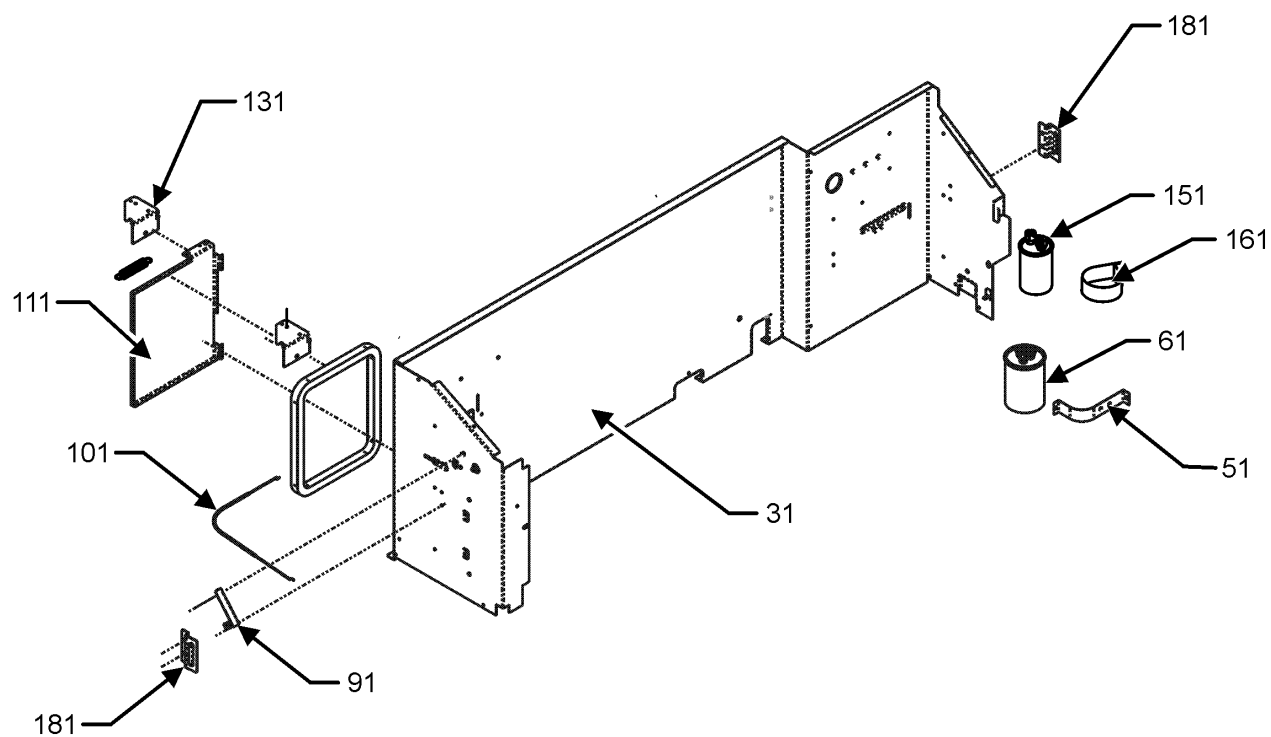
M1 - PTC074E00HRXXAB
M2 - PTC074E00HXXXAB
M3 - PTC074E25AXXXAB
M4 - PTC074E25AXXXAC
M5 - PTC074E25CXXXAB
M6 - PTC074E25CXXXAC
M7 - PTC074E25RXXXAB
M8 - PTC074E35AXXXAB
M9 - PTC074E35AXXXAC
M10 - PTC074E35CXXXAB
M11 - PTC074E35CXXXAC
M12 - PTC074E35RXXXAB

Outdoor System and Partition Panel Assy

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor System and Partition Panel Assy

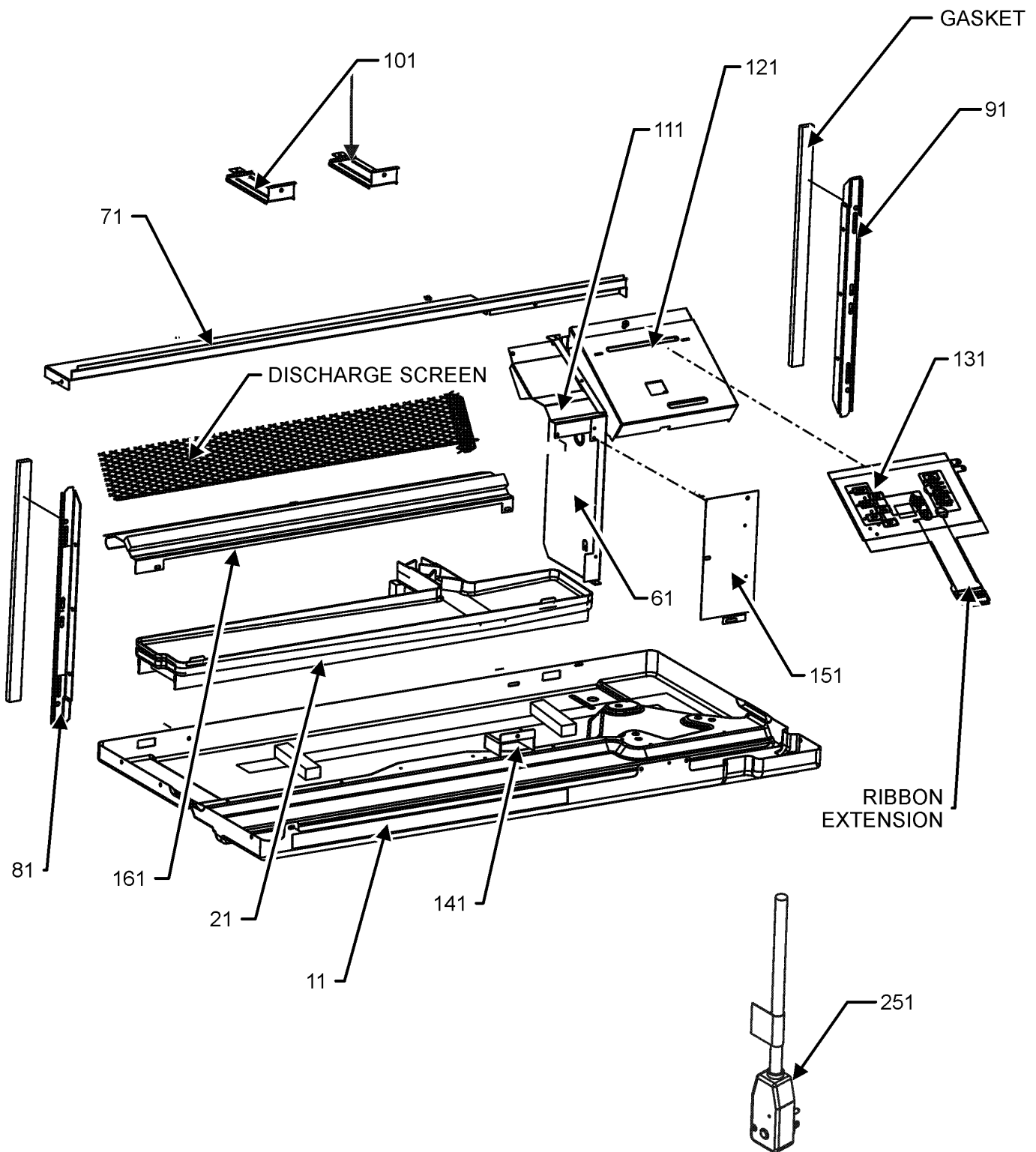
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00026		SHROUD, CONDENSER (M1, M2, M3, M5, M7, M8, M10, M12)
21	0131P00017		FAN MOTOR OUTDOOR (M1, M2, M3, M5, M7, M8, M10, M12)
21	0131P00028		FAN MOTOR, OUTDOOR (M4, M6, M9, M11)
31	0121P00108NG		PANEL-PARTITION
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP020150450CS		CAP, 2/15 MFD/450V/DUAL RD (M4, M6, M9, M11)
61	CAP020150440RS		CAPACITOR, 440V (M1, M2, M3, M5, M7, M8, M10, M12)
81	0130P00098		THERMISTOR - OUTDOOR AMBIENT (M1, M7, M12)
91	11046302		LEVER ARM
101	0163P00019		CABLE
111	0121P00177NG		DOOR - PNT VENT PTC
131	0121P00072NG		BRACKET, VENT DOOR-C
151	CAP010000500RP		CAPACITOR
161	0163P00029		CAPACITOR CLAMP
181	11191703		PARTITION PANEL BRACKET (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)

Expanded Model Nomenclature

M1 - PTC074E00HRXXAB
M2 - PTC074E00HXXXAB
M3 - PTC074E25AXXXAB
M4 - PTC074E25AXXXAC
M5 - PTC074E25CXXXAB
M6 - PTC074E25CXXXAC
M7 - PTC074E25RXXXAB
M8 - PTC074E35AXXXAB
M9 - PTC074E35AXXXAC
M10 - PTC074E35CXXXAB
M11 - PTC074E35CXXXAC
M12 - PTC074E35RXXXAB

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:

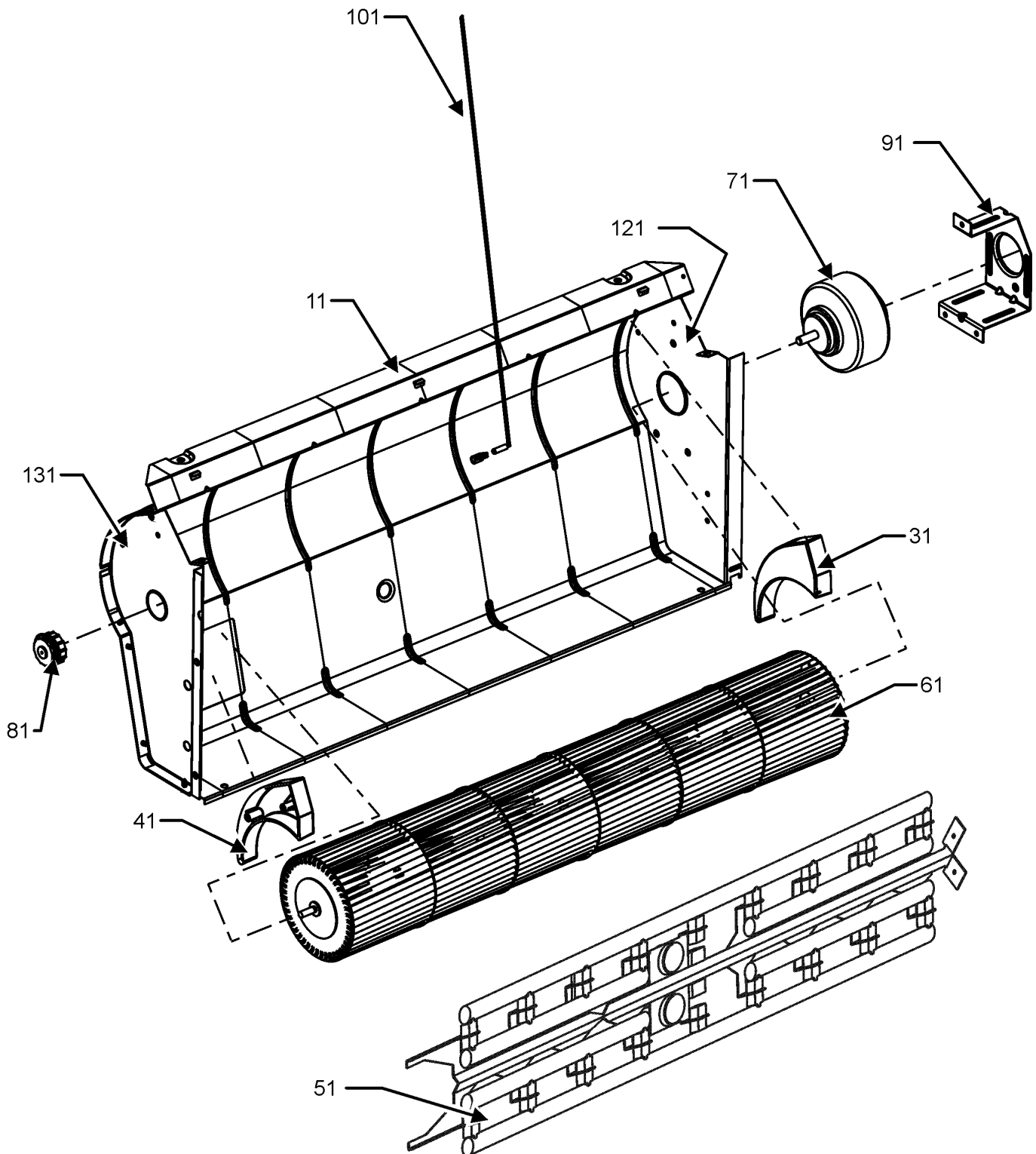
11	0121P00175DG	BASE PAN (M1, M2, M3, M4, M7, M8, M9, M12)
11	0121P00175NG	BASE PAN (M5, M6, M10, M11)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0005	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	11114701	CORD 277 VAC, 20A
NS	0130P00054	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTC074E00HRXXAB
M2 - PTC074E00HXXXAB
M3 - PTC074E25AXXXAB
M4 - PTC074E25AXXXAC
M5 - PTC074E25CXXXAB
M6 - PTC074E25CXXXAC
M7 - PTC074E25RXXXAB
M8 - PTC074E35AXXXAB
M9 - PTC074E35AXXXAC
M10 - PTC074E35CXXXAB
M11 - PTC074E35CXXXAC
M12 - PTC074E35RXXXAB

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

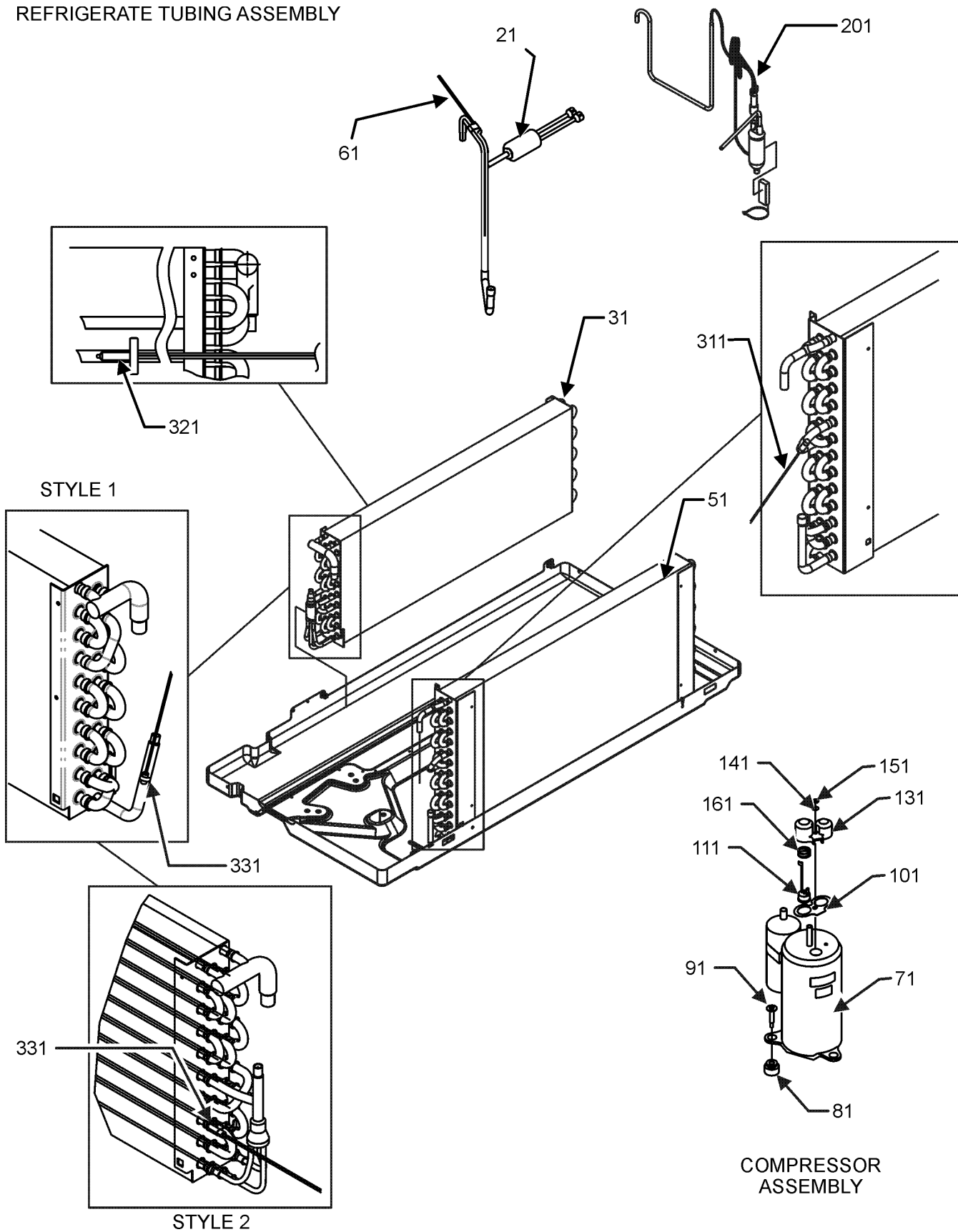
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M3, M4, M5, M6, M7)
51	0275P00040	HEATER ASSY (M8, M9, M10, M11, M12)
61	0150P00004	WHEEL, BLOWER
71	0131P00037	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134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

Expanded Model Nomenclature

M1 - PTC074E00HRXXAB
M2 - PTC074E00HXXXAB
M3 - PTC074E25AXXXAB
M4 - PTC074E25AXXXAC
M5 - PTC074E25CXXXAB
M6 - PTC074E25CXXXAC
M7 - PTC074E25RXXXAB
M8 - PTC074E35AXXXAB
M9 - PTC074E35AXXXAC
M10 - PTC074E35CXXXAB
M11 - PTC074E35CXXXAC
M12 - PTC074E35RXXXAB

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, M2, M3, M4, M7, M8, M9, M12)
51	0201P00085DG		CONDENSER ASSY (M5, M6, M10, M11)
61	0130P00077		THERMISTOR - INDOOR (M1, M7, M12)
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
131	60100314		TERMINAL COVER - RECHI COMP
141	60100201		WASHER - RECHI COMPRESSOR
151	60100401		TERMINAL NUT - RECHI COMP
161	60500101		OLP SPRING - RECHI COMPRESSOR
201	0210P00179		CAPILLARY WELD
311	0130P00085		THERMISTOR - HEAT PUMP (M1, M7, M12)
321	0130P00046		THERMISTOR - INDOOR AMBIENT
331	20295707		THERMISTOR - INDOOR COIL

Expanded Model Nomenclature

M1 - PTC074E00HRXXAB
M2 - PTC074E00HXXXAB
M3 - PTC074E25AXXXAB
M4 - PTC074E25AXXXAC
M5 - PTC074E25CXXXAB
M6 - PTC074E25CXXXAC
M7 - PTC074E25RXXXAB
M8 - PTC074E35AXXXAB
M9 - PTC074E35AXXXAC
M10 - PTC074E35CXXXAB
M11 - PTC074E35CXXXAC
M12 - PTC074E35RXXXAB