

PTH154G Package Terminal Heat Pump

PTH154G15QXXCB
PTH154G25AXXXCB
PTH154G25CXXCB
PTH154G25DRXXCB
PTH154G25DXXCB
PTH154G25RXXCB
PTH154G35AXXXCB
PTH154G35CXXCB
PTH154G35QRXXCB
PTH154G35QXXCB
PTH154G35RXXCB
PTH154G35VXXCB
PTH154G50AXXXCB
PTH154G50CXXCB
PTH154G50VXXCB



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5034A.

Important Information

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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

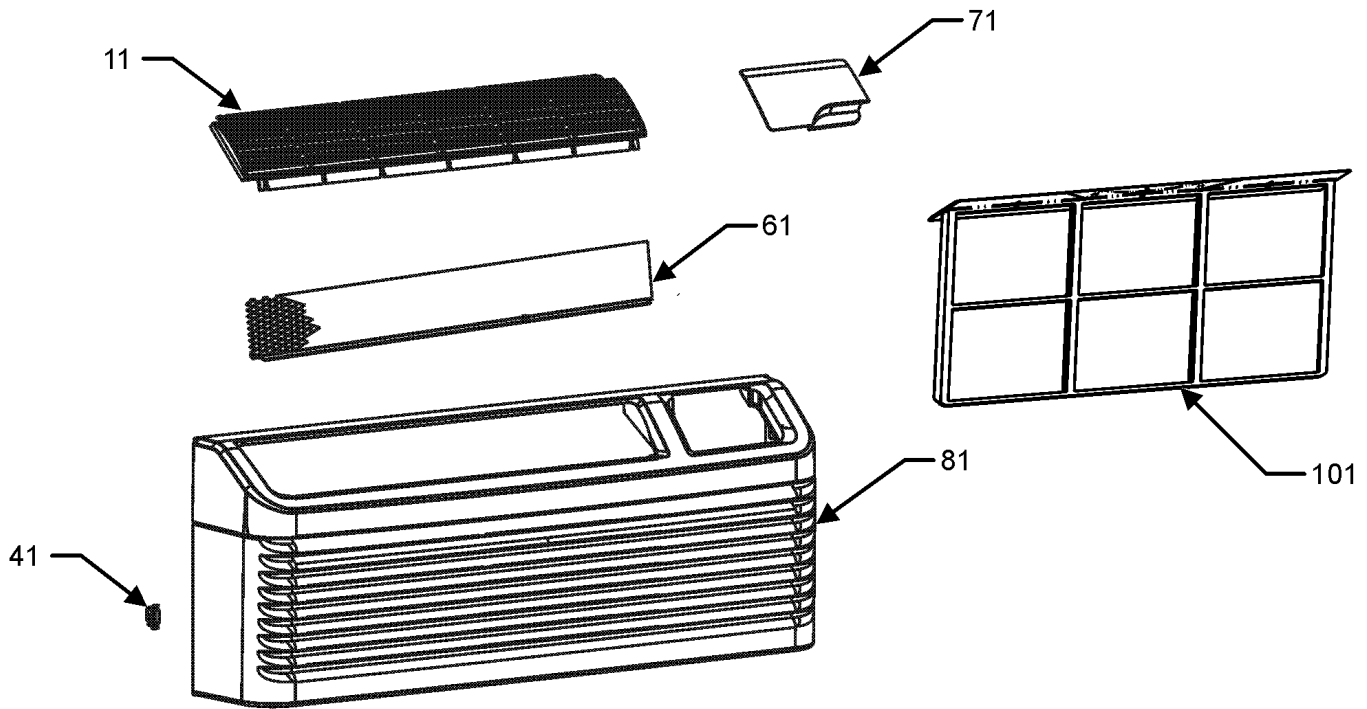
Part

No: Description:

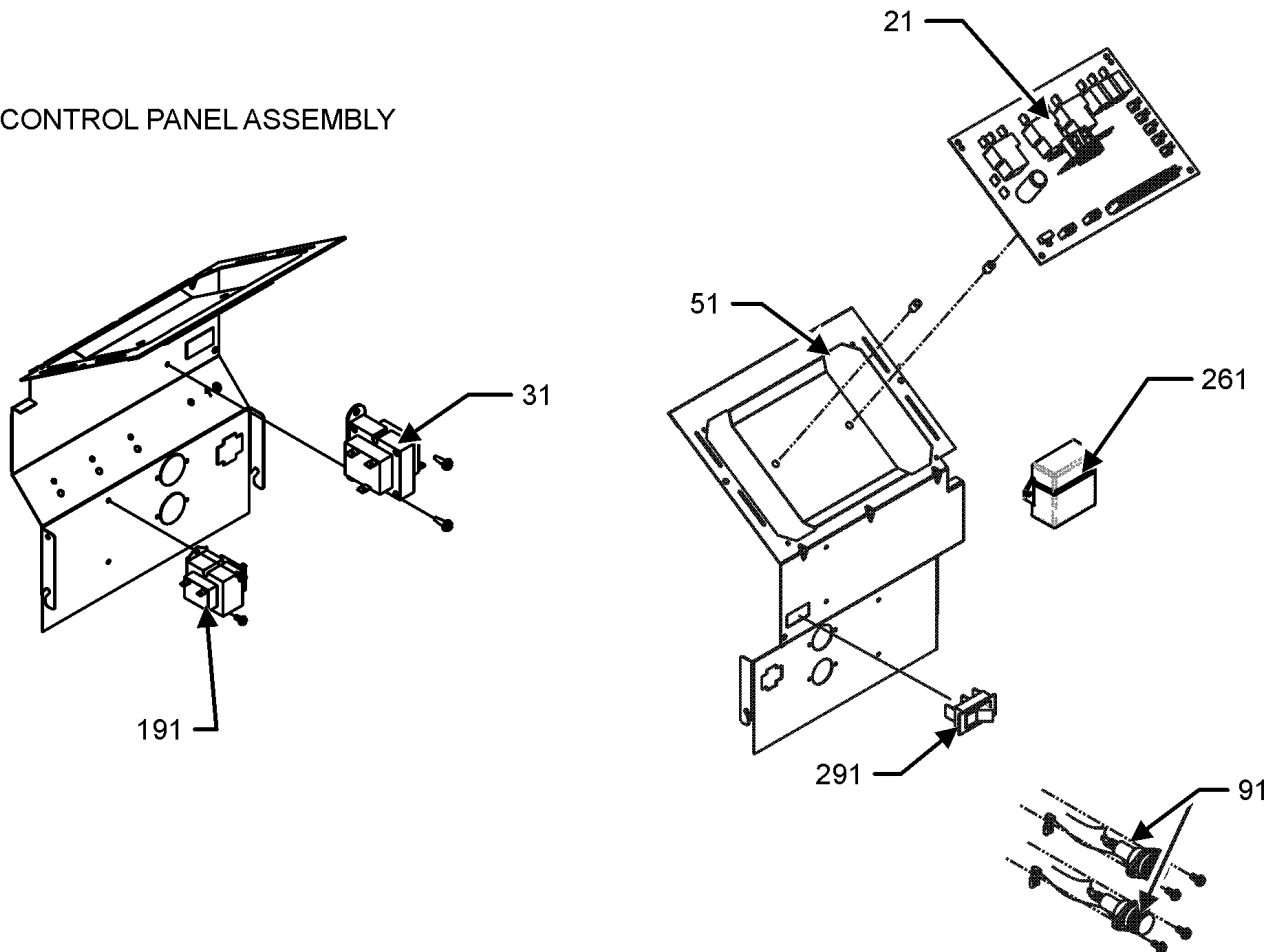
		Expanded Model Nomenclature
20406303	BASE PAN VALVE	M1 - PTH154G15QXXxcb
CAP015000500RP	CAPACITOR	M2 - PTH154G25AXXXCB
CAP020250450CS	CAPACITOR 2/25/450V/DUAL RD	M3 - PTH154G25CXXxcb
50A367QM-9GKG	COMPRESSOR, RECHI	M4 - PTH154G25DRXXCB
RSKP0012	CONTROL BOARD M70	M5 - PTH154G25DXXxcb
RSKP0015	CONTROL PANEL COVER AND MEMBRANE	M6 - PTH154G25RXXxcb
0130P00128	CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M7 - PTH154G35AXXXCB
0130P00129	CORD, 277V, 30A (M13, M14, M15)	M8 - PTH154G35CXXxcb
0131P00038	FAN MOTOR, INDOOR	M9 - PTH154G35QRXXCB
0131P00026	FAN MOTOR, OUTDOOR	M10 - PTH154G35QXXxcb
0161P00055	FAN, CONDENSER	M11 - PTH154G35RXXxcb
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6)	M12 - PTH154G35VXXxcb
A3410403	FUSE 20A (M7, M8, M9, M10, M11, M12)	M13 - PTH154G50AXXXCB
A3410404	FUSE 25A (M13, M14, M15)	M14 - PTH154G50CXXxcb
0275P00041	HEATER ASSY (M13, M14, M15)	M15 - PTH154G50VXXxcb
0275P00040	HEATER ASSY (M7, M8, M9, M10, M11, M12)	
0275P00023	HEATER ASSY (M2, M3, M4, M5, M6)	
0130P00133	HUMIDITY SENSOR (M4, M5, M12, M15)	
0130P00137	MOTOR (M4, M5, M12, M15)	
60343525	OVERLOAD PROTECTOR	
PCBCP147	PCB, CONTROL, D70 (M4, M5, M12, M15)	
0151P00005	PTAC REVERSING VALVE ASSY	
0130P00022	REVERSING VALVE COIL	
0130M00132	SWITCH, HIGH PRESS (M3, M8, M14)	
0130M00169	SWITCH, HIGH PRESS (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)	
802007090	TERMINAL BOARD	
0130P00144	THERMISTOR	
0130P00142	THERMISTOR	
0130P00134	THERMISTOR - DISCHARGE	
0130P00077	THERMISTOR - INDOOR (M4, M6, M9, M11)	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4, M6, M9, M11)	
0130P00093	THERMISTOR, .375 CLIP, BLUE	
0130M00342	TRANSFORMER 20VA 265V	
0130M00151	TRANSFORMER 277V to 24V, 40VA (M4, M5, M12, M15)	
0150P00004	WHEEL, BLOWER	

Front Panel / Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel / Control Panel Assembly

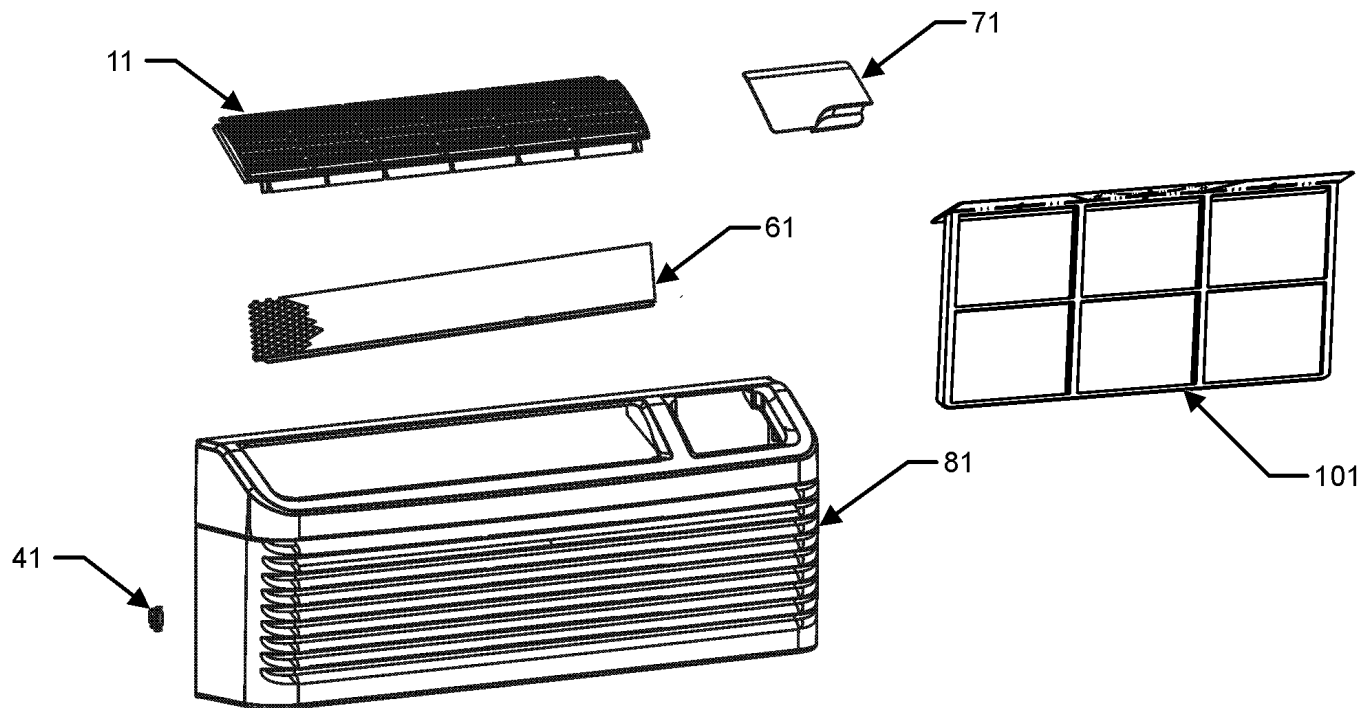
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00048		FRONT, LOUVERS DISCHARGE
21	RSKP0012		CONTROL BOARD M70
31	0130M00342		TRANSFORMER 20VA 265V
41	0163P00025		CLIP (QTY 2)
51	0121P00130		PANEL, CONTROL
61	0121P00194BL		SCREEN, DISCHARGE, PAINTED
71	0261P00003		DOOR ASSY -AMANA-
81	0261P00011		FRONT ASSY
91	C6476001		BAYONET FUSE HOLDER (M1, M2, M3, M4, M5, M6)
91	C6476002		BAYONET FUSE HOLDER (M7, M8, M9, M10, M11, M12)
91	C6476003		BAYONET FUSE HOLDER (M13, M14, M15)
101	0161P00035		FILTER, RACK (QTY 2)
191	0130M00151		TRANSFORMER 277V to 24V, 40VA (M4, M5, M12, M15)
261	0130P00104		ANTENNA (M4, M6, M9, M11)
291	B1337701		PADDLE SWITCH (M4, M5, M12, M15)
NS	A3410402		FUSE 15A (M1, M2, M3, M4, M5, M6)
NS	A3410403		FUSE 20A (M7, M8, M9, M10, M11, M12)
NS	A3410404		FUSE 25A (M13, M14, M15)
NS	PCBCP147		PCB, CONTROL, D70 (M4, M5, M12, M15)

Expanded Model Nomenclature

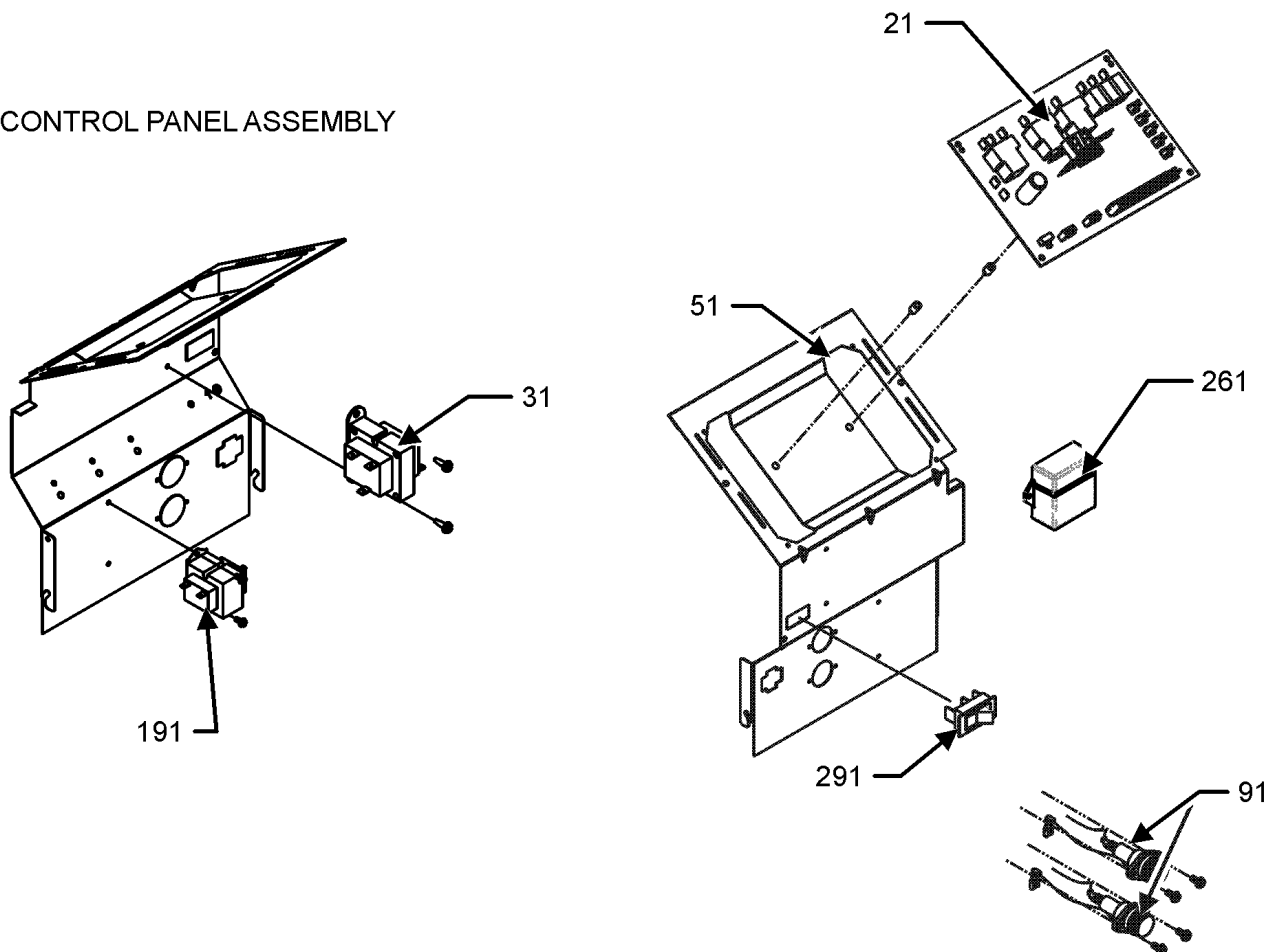
M1 - PTH154G15QXXCB
 M2 - PTH154G25AXXXCB
 M3 - PTH154G25CXXCB
 M4 - PTH154G25DRXXCB
 M5 - PTH154G25DXXCB
 M6 - PTH154G25RXXCB
 M7 - PTH154G35AXXXCB
 M8 - PTH154G35CXXCB
 M9 - PTH154G35QRXXCB
 M10 - PTH154G35QXXCB
 M11 - PTH154G35RXXCB
 M12 - PTH154G35VXXCB
 M13 - PTH154G50AXXXCB
 M14 - PTH154G50CXXCB
 M15 - PTH154G50VXXCB

Outdoor Air System / Partition Panel

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Outdoor Air System / Partition Panel

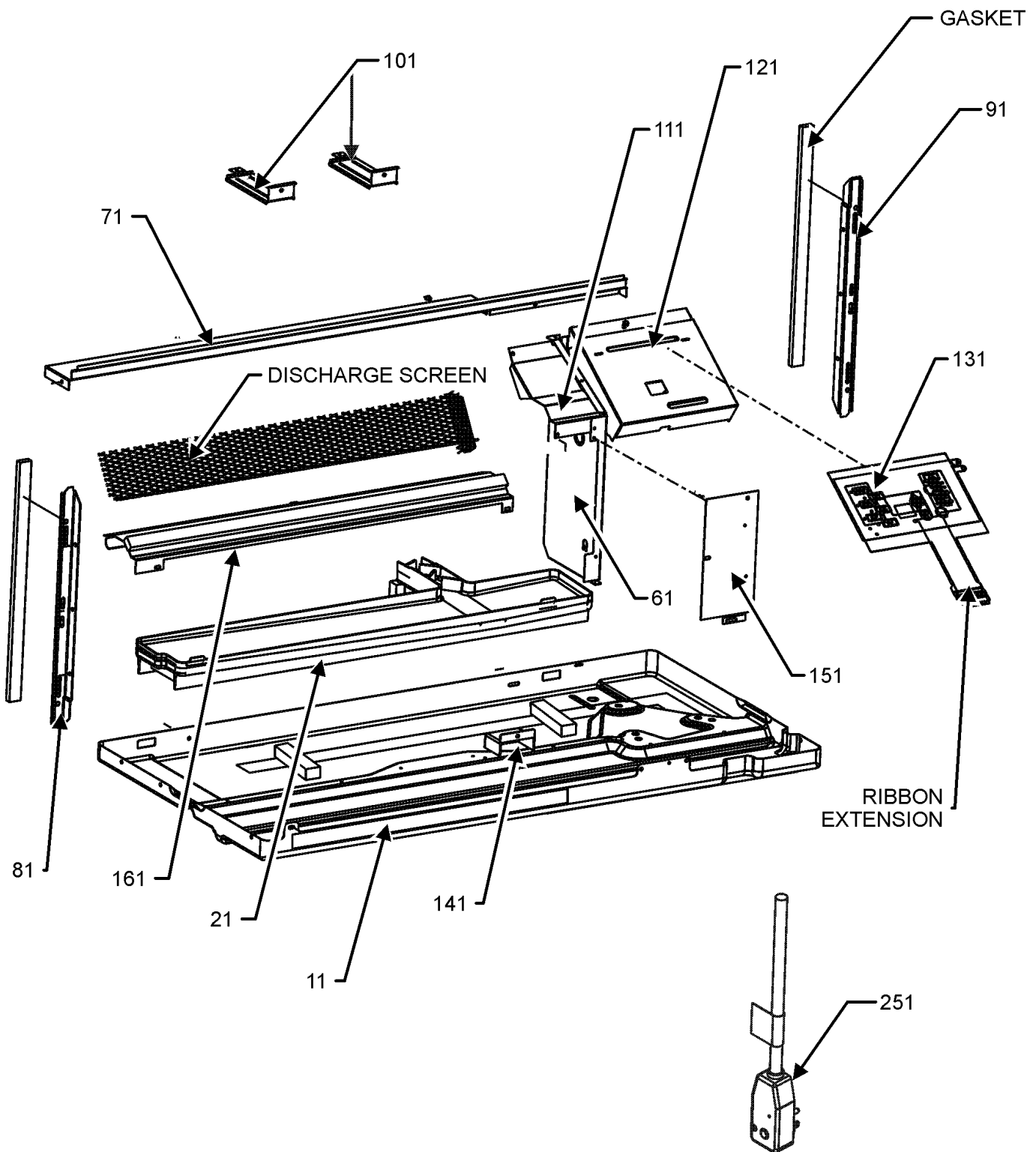
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00053		SHROUD, CONDENSOR
21	0131P00026		FAN MOTOR, OUTDOOR
31	0121P00093		PANEL-PARTITION (M1, M9, M10)
31	0121P00108NG		PANEL-PARTITION (M2, M3, M4, M5, M6, M7, M8, M11, M12, M13, M14, M15)
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP020250450CS		CAPACITOR 2/25/450V/DUAL RD
71	802007090		TERMINAL BOARD
81	0130P00098		THERMISTOR - OUTDOOR AMBIENT (M4, M6, M9, M11)
91	11046302		LEVER ARM (M2, M3, M6, M7, M8, M11, M13, M14)
101	0163P00019		CABLE (M2, M3, M6, M7, M8, M11, M13, M14)
111	0121P00177		DOOR-VENT PTC (M2, M3, M4, M5, M6, M7, M8, M11, M12, M13, M14, M15)
121	0121P00079		BRACKET, VENT DOOR (M4, M5, M12, M15)
131	0121P00180		BRACKET, POWER VENT (M4, M5, M12, M15)
131	0121P00072		BRACKET, VENT DOOR (M2, M6, M7, M11, M13)
141	11166401		EXTENSION SPRING (M4, M5, M12, M15)
151	CAP015000500RP		CAPACITOR
161	0163P00029		CAPACITOR CLAMP
181	11191703		PARTITION PANEL BRACKET (QTY 2)
191	0130P00137		MOTOR (M4, M5, M12, M15)
201	11166201		POWER VENT COVER BRACKET (M4, M5, M12, M15)
211	11166101		POWER VENT MOTOR BRACKET (M4, M5, M12, M15)
251	0121P00091		PANEL-AUXILLIARY (M1, M9, M10)
NS	0130P00133		HUMIDITY SENSOR (M4, M5, M12, M15)

Expanded Model Nomenclature

M1 - PTH154G15QXXCB
 M2 - PTH154G25AXXXCB
 M3 - PTH154G25CXXCB
 M4 - PTH154G25DRXXCB
 M5 - PTH154G25DXXCB
 M6 - PTH154G25RXXCB
 M7 - PTH154G35AXXXCB
 M8 - PTH154G35CXXCB
 M9 - PTH154G35QRXXCB
 M10 - PTH154G35QXXCB
 M11 - PTH154G35RXXCB
 M12 - PTH154G35VXXCB
 M13 - PTH154G50AXXXCB
 M14 - PTH154G50CXXCB
 M15 - PTH154G50VXXCB

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:

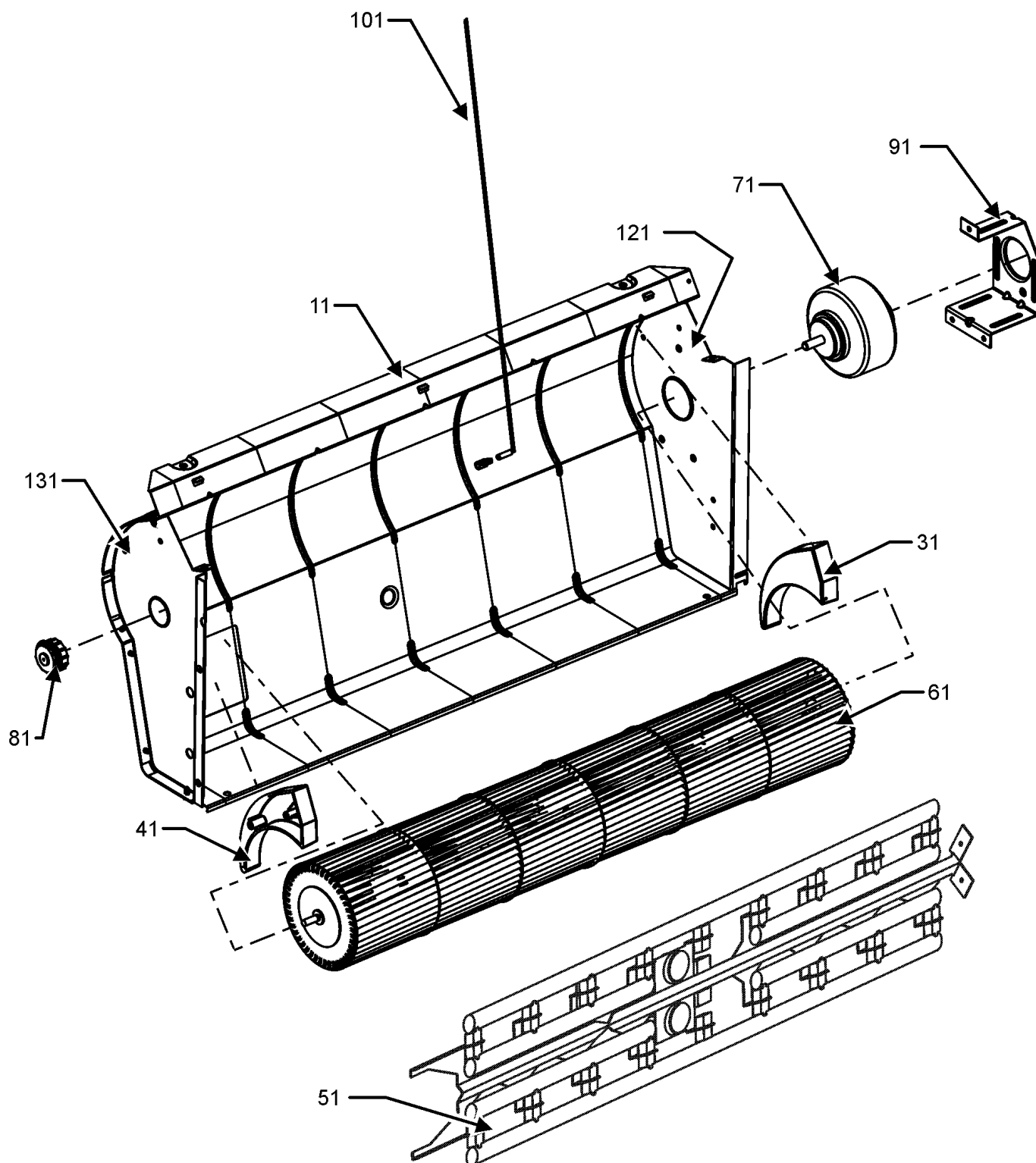
11	0121P00175DG	BASE PAN (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)
11	0121P00175NG	BASE PAN (M3, M8, M14)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL PNT
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD (M2, M3, M4, M5, M6, M7, M8, M11, M12, M13, M14, M15)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00128	CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
251	0130P00129	CORD, 277V, 30A (M13, M14, M15)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH154G15QXXCB
 M2 - PTH154G25AXXXCB
 M3 - PTH154G25CXXCB
 M4 - PTH154G25DRXXCB
 M5 - PTH154G25DXXCB
 M6 - PTH154G25RXXCB
 M7 - PTH154G35AXXXCB
 M8 - PTH154G35CXXCB
 M9 - PTH154G35QRXXCB
 M10 - PTH154G35QXXCB
 M11 - PTH154G35RXXCB
 M12 - PTH154G35VXXCB
 M13 - PTH154G50AXXXCB
 M14 - PTH154G50CXXCB
 M15 - PTH154G50VXXCB

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:

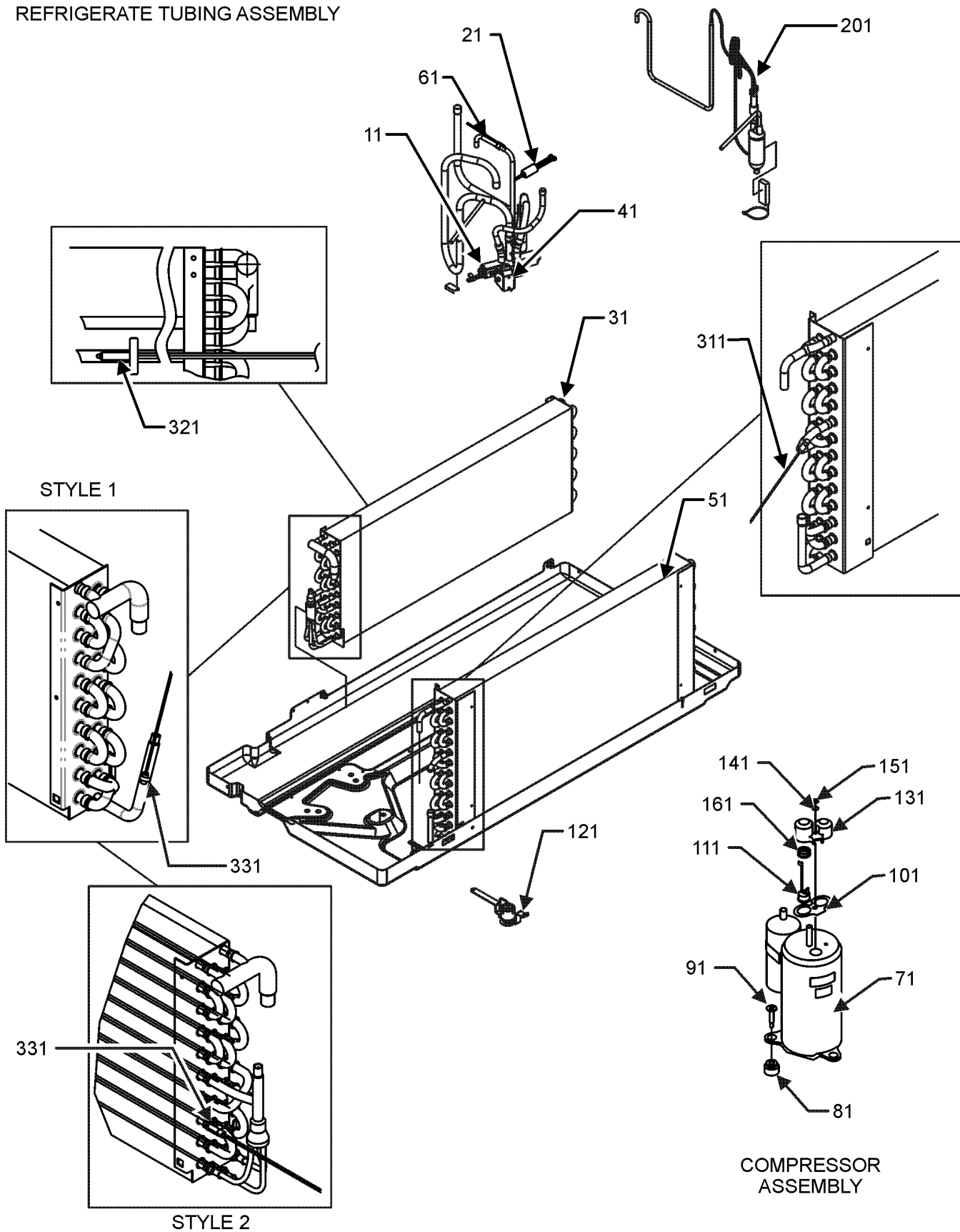
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M2, M3, M4, M5, M6)
51	0275P00040	HEATER ASSY (M7, M8, M9, M10, M11, M12)
51	0275P00041	HEATER ASSY (M13, M14, M15)
61	0150P00004	WHEEL, BLOWER
71	0131P00038	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE-LH SCROLL, PNT

Expanded Model Nomenclature

M1 - PTH154G15QXXCB
 M2 - PTH154G25AXXXCB
 M3 - PTH154G25CXXCB
 M4 - PTH154G25DRXXCB
 M5 - PTH154G25DXXCB
 M6 - PTH154G25RXXCB
 M7 - PTH154G35AXXXCB
 M8 - PTH154G35CXXCB
 M9 - PTH154G35QRXXCB
 M10 - PTH154G35QXXCB
 M11 - PTH154G35RXXCB
 M12 - PTH154G35VXXCB
 M13 - PTH154G50AXXXCB
 M14 - PTH154G50CXXCB
 M15 - PTH154G50VXXCB

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	0130M00132		SWITCH, HIGH PRESS (M3, M8, M14)
21	0130M00169		SWITCH, HIGH PRESS (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)
31	0202P00065		EVAP ASSY, 5/16, 3 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00079		CONDENSER ASSY PNT (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)
51	0201P00083NG		CONDENSER ASSY PNT (M3, M8, M14)
61	0130P00077		THERMISTOR - INDOOR (M4, M6, M9, M11)
71	50A367QM-9GKG		COMPRESSOR, RECHI
81	60140209		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0227803		SCREW-TC (QTY 3)
101	60100103		TERMINAL GASKET
111	60343525		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	0210P00152		CAPILLARY WELDMENT
311	0130P00093		THERMISTOR, .375 CLIP, BLUE
321	0130P00142		THERMISTOR
331	0130P00144		THERMISTOR
NS	BT1392310		PLASTIC CLAMP, .1875 DIA (M4, M5, M12, M15)

Expanded Model Nomenclature

M1 - PTH154G15QXXCB
 M2 - PTH154G25AXXXCB
 M3 - PTH154G25CXXCB
 M4 - PTH154G25DRXXCB
 M5 - PTH154G25DXXCB
 M6 - PTH154G25RXXCB
 M7 - PTH154G35AXXXCB
 M8 - PTH154G35CXXCB
 M9 - PTH154G35QRXXCB
 M10 - PTH154G35QXXCB
 M11 - PTH154G35RXXCB
 M12 - PTH154G35VXXCB
 M13 - PTH154G50AXXXCB
 M14 - PTH154G50CXXCB
 M15 - PTH154G50VXXCB