

PTC154G Package Terminal Air Conditioner

PTC154G00AXXXBA
PTC154G00DHXXBA
PTC154G00HRXXBA
PTC154G00HXXBA
PTC154G25AXXXBA
PTC154G25CXXBA
PTC154G25RXXBA
PTC154G25VXXBA
PTC154G35AXXXBA
PTC154G35CXXBA
PTC154G35QRXXBA
PTC154G35QXXBA
PTC154G35RWXXBA
PTC154G35RXXBA
PTC154G35VXXBA
PTC154G50AXXXBA
PTC154G50CXXBA
PTC154G50DXXBA
PTC154G50QRXXBA
PTC154G50RXXBA
PTC154G50VXXBA



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This manual is to be used by qualified technicians only.

This manual replaces RP-867F.

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

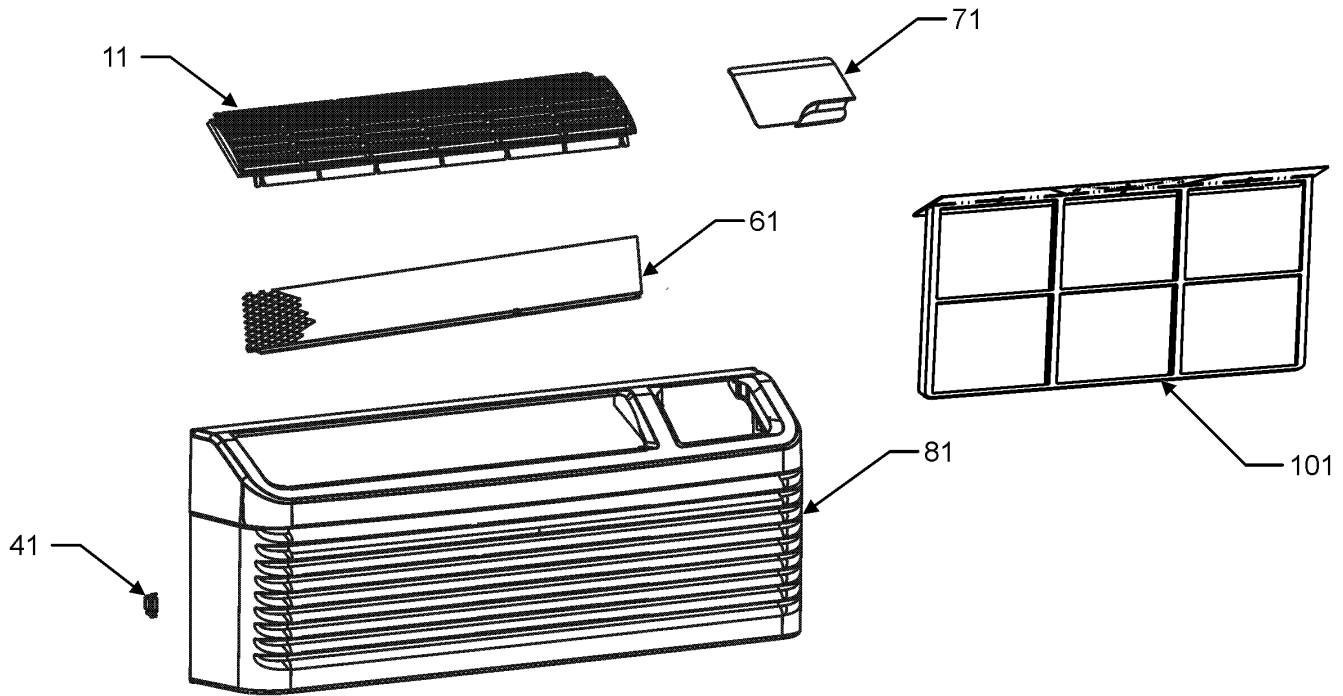
Part

No: Description:

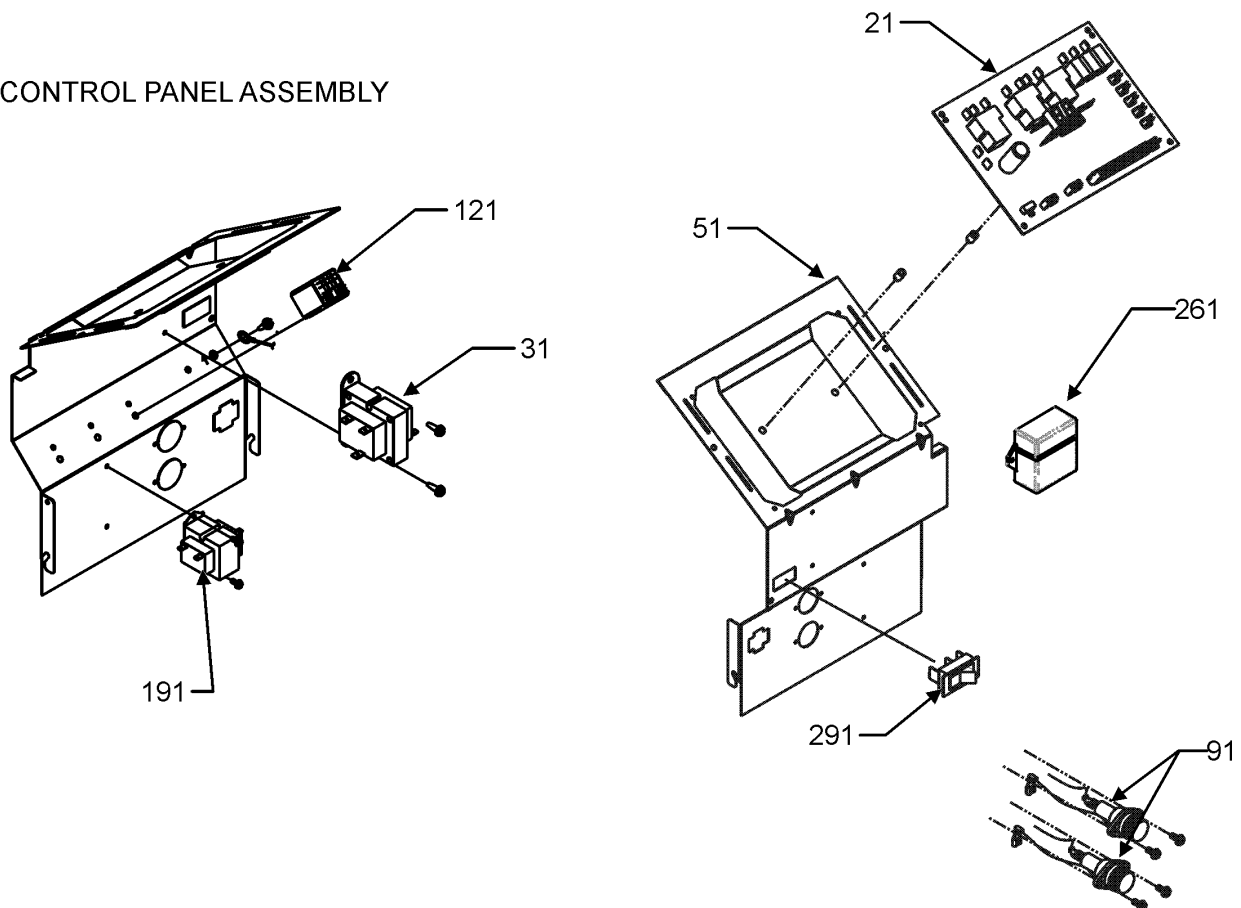
		Expanded Model Nomenclature
CAP015000500RP	CAPACITOR	M1 - PTC154G00AXXXBA
CAP020250450CS	CAPACITOR 2/25/450V/DUAL RD	M2 - PTC154G00DHXXBA
50A367Q	COMPRESSOR, RECHI	M3 - PTC154G00HRXXBA
RSKP0012	CONTROL BOARD M70	M4 - PTC154G00HXXBA
RSKP0015	CONTROL PANEL COVER AND MEMBRANE	M5 - PTC154G25AXXXBA
0130P00128	CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	M6 - PTC154G25CXXBA
0130P00129	CORD, 277V, 30A (M16, M17, M18, M19, M20, M21)	M7 - PTC154G25RXXBA
0131P00038	FAN MOTOR, INDOOR	M8 - PTC154G25VXXBA
0131P00026	FAN MOTOR, OUTDOOR	M9 - PTC154G35AXXXBA
0161P00055	FAN, CONDENSER	M10 - PTC154G35CXXBA
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7, M8)	M11 - PTC154G35QRXXBA
A3410403	FUSE 20A (M9, M10, M11, M12, M13, M14, M15)	M12 - PTC154G35QXXBA
A3410404	FUSE 25A (M16, M17, M18, M19, M20, M21)	M13 - PTC154G35RWXXBA
0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)	M14 - PTC154G35RXXBA
0275P00023	HEATER ASSY (M5, M6, M7, M8)	M15 - PTC154G35VXXBA
0275P00041	HEATER ASSY (M16, M17, M18, M19, M20, M21)	M16 - PTC154G50AXXXBA
60343525	OVERLOAD PROTECTOR	M17 - PTC154G50CXXBA
PCBCP140	PCB, CONTROL, D70 (M2, M8, M15, M18, M21)	M18 - PTC154G50DXXBA
0130P00137	POWER VENT MOTOR (M2, M8, M15, M18, M21)	M19 - PTC154G50QRXXBA
0130M00182	SPDT RELAY (M2, M3, M4)	M20 - PTC154G50RXXBA
0130M00169	SWITCH, HIGH PRESS	M21 - PTC154G50VXXBA
802007090	TERMINAL BOARD	
0130P00073	THERMISTOR	
0130P00094	THERMISTOR (M3, M7, M11, M13, M14, M19, M20)	
0130P00134	THERMISTOR - DISCHARGE	
0130P00077	THERMISTOR - INDOOR (M3, M7, M11, M13, M14, M19, M20)	
0130P00084	THERMISTOR - INDOOR COIL	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M7, M11, M13, M14, M19, M20)	
0130M00329	TRANSFORMER 20VA 60HZ (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
0130M00151	TRANSFORMER 277V to 24V, 40VA (M2, M3, M4, M8, M15, M18, M21)	

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

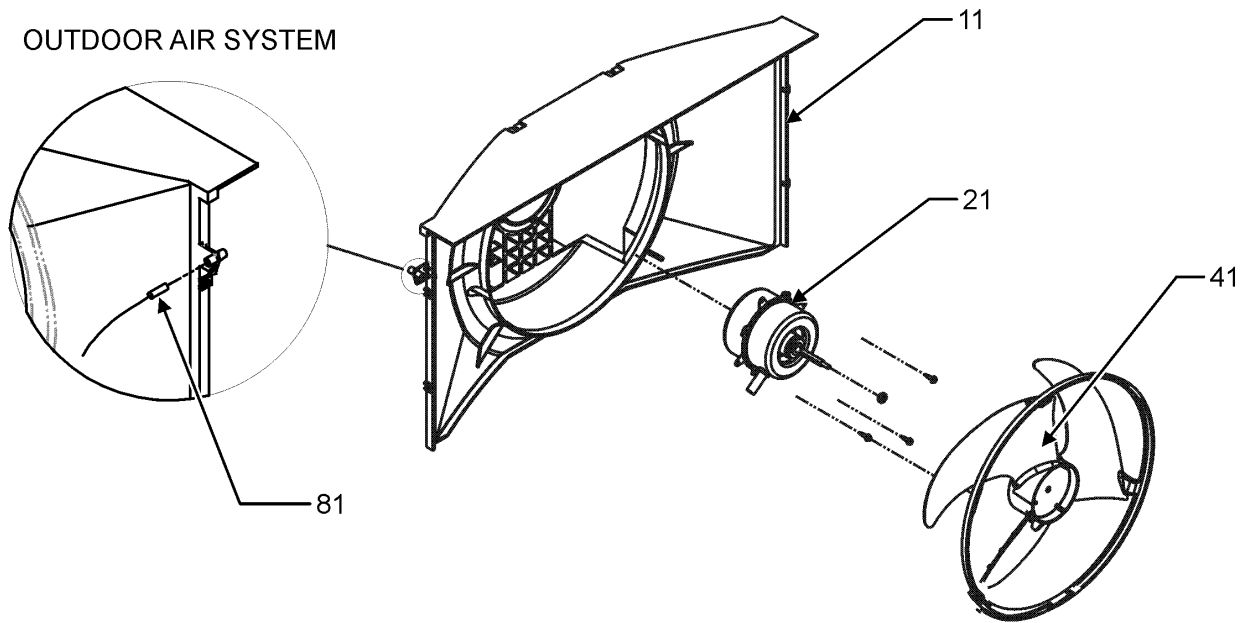


Front Panel and Control Panel Assembly

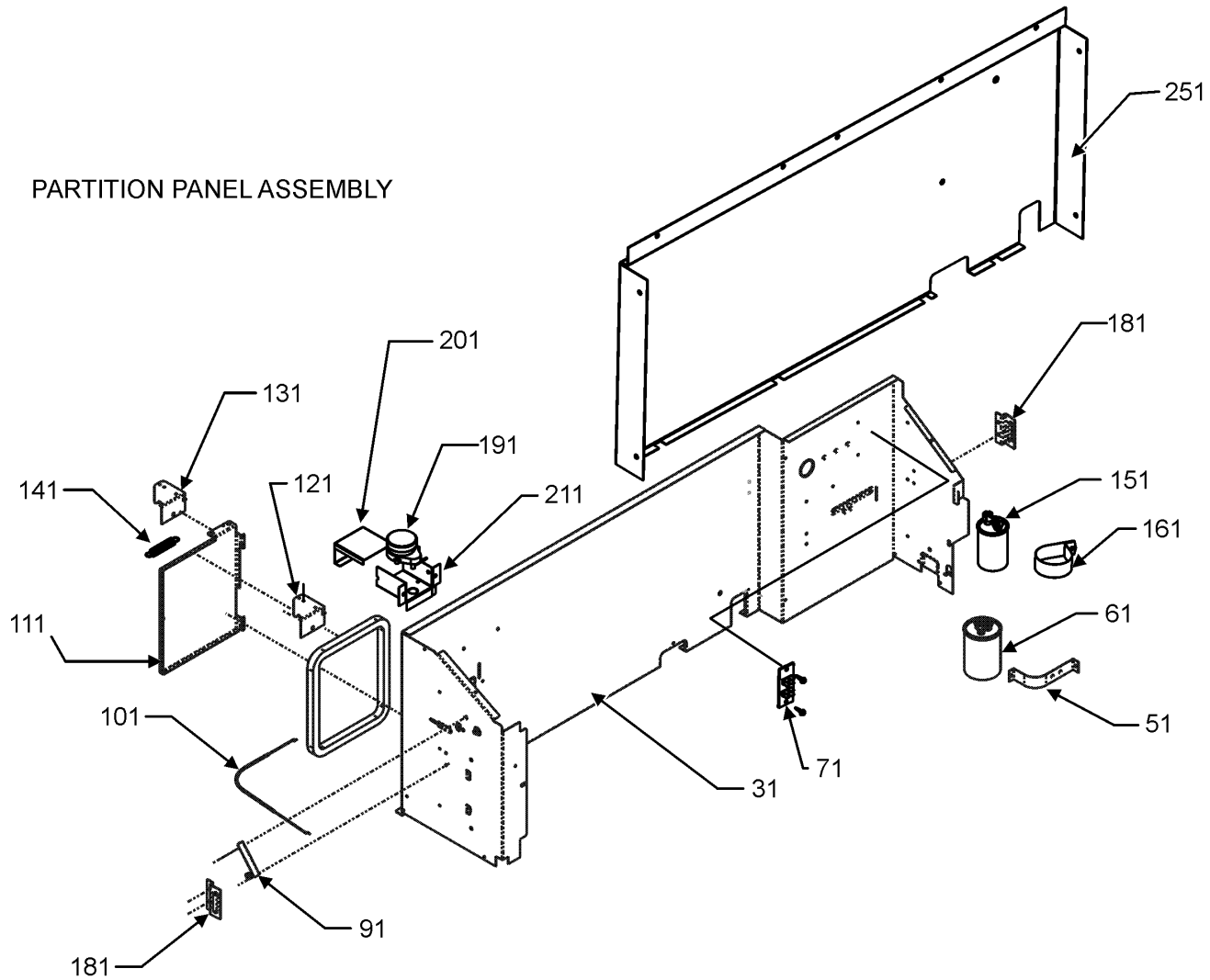
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT, LOUVERS DISCHARGE (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M1 - PTC154G00AXXXBA M2 - PTC154G00DHXXBA M3 - PTC154G00HRXXBA M4 - PTC154G00HXXXBA M5 - PTC154G25AXXXBA M6 - PTC154G25CXXXBA M7 - PTC154G25RXXXBA M8 - PTC154G25VXXXBA M9 - PTC154G35AXXXBA M10 - PTC154G35CXXXBA M11 - PTC154G35QRXXBA M12 - PTC154G35QXXXBA M13 - PTC154G35RWXXBA M14 - PTC154G35RXXXBA M15 - PTC154G35VXXXBA M16 - PTC154G50AXXXBA M17 - PTC154G50CXXXBA M18 - PTC154G50DXXXBA M19 - PTC154G50QRXXBA M20 - PTC154G50RXXXBA M21 - PTC154G50VXXXBA
21	RSKP0012	CONTROL BOARD M70	
31	0130M00329	TRANSFORMER 20VA 60HZ (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
31	0130M00151	TRANSFORMER 277V to 24V, 40VA (M2, M3, M4)	
41	0163P00025	CLIP (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
51	0121P00130	PANEL, CONTROL	
61	0121P00073	SCREEN, DISCHARGE (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
71	0261P00003	DOOR ASSY -AMANA- (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
81	0261P00011	FRONT ASSY (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
91	C6476001	BAYONET FUSE HOLDER (M1, M2, M3, M4, M5, M6, M7, M8)	
91	C6476002	BAYONET FUSE HOLDER (M9, M10, M11, M12, M13, M14, M15)	
91	C6476003	BAYONET FUSE HOLDER (M16, M17, M18, M19, M20, M21)	
101	0161P00035	FILTER, RACK (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
121	0130M00182	SPDT RELAY (M2, M3, M4)	
191	0130M00151	TRANSFORMER 277V to 24V, 40VA (M2, M3, M4, M8, M15, M18, M21)	
261	0130P00104	ANTENNA (DIGITENNA) (M3, M7, M11, M13, M14, M19, M20)	
291	B1337701	PADDLE SWITCH (M2, M8, M15, M18, M21)	
NS	A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7, M8)	
NS	A3410403	FUSE 20A (M9, M10, M11, M12, M13, M14, M15)	
NS	A3410404	FUSE 25A (M16, M17, M18, M19, M20, M21)	
NS	PCBCP140	PCB, CONTROL, D70 (M2, M8, M15, M18, M21)	

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY

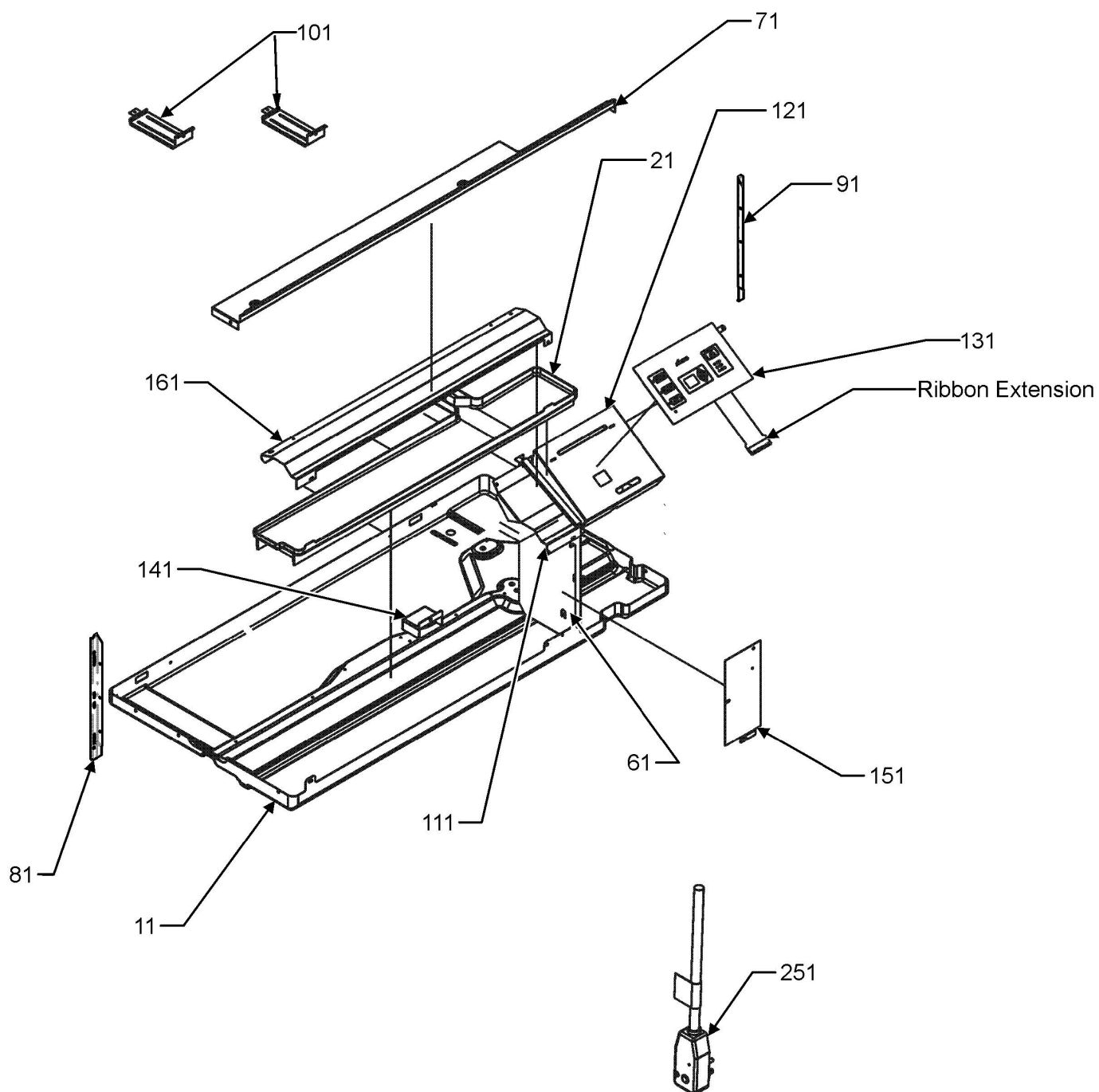


Outdoor Air System and Partition Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00053	SHROUD, CONDENSER	M1 - PTC154G00AXXXBA
21	0131P00026	FAN MOTOR, OUTDOOR	M2 - PTC154G00DHXXBA
31	0121P00093	PANEL-PARTITION (M11, M12, M19)	M3 - PTC154G00HRXXBA
31	0121P00108NG	PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M15, M16, M17, M18)	M4 - PTC154G00HXXXBA
41	0161P00055	FAN, CONDENSER	M5 - PTC154G25AXXXBA
51	C6300502	CAPACITOR STRAP	M6 - PTC154G25CXXXBA
61	CAP020250450CS	CAPACITOR 2/25/450V/DUAL RD	M7 - PTC154G25RXXXBA
71	802007090	TERMINAL BOARD	M8 - PTC154G25VXXXBA
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M7, M11, M13, M14, M19, M20)	M9 - PTC154G35AXXXBA
91	11046302	LEVER ARM (M1, M3, M4, M5, M6, M7, M9, M10, M13, M14, M16, M17, M20)	M10 - PTC154G35CXXXBA
101	0163P00019	CABLE (M1, M3, M4, M5, M6, M7, M9, M10, M13, M14, M16, M17, M20)	M11 - PTC154G35QRXXBA
111	0121P00177NG	DOOR - PNT VENT PTC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M15, M16, M17, M18, M20, M21)	M12 - PTC154G35QXXXBA
121	0121P00079	BRACKET, VENT DOOR (M2, M8, M15, M18, M21)	M13 - PTC154G35RWXXBA
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M3, M4, M5, M6, M7, M9, M10, M13, M14, M16, M17, M20)	M14 - PTC154G35RXXXBA
131	0121P00180	BRKT, POWER VENT (M2, M8, M15, M18, M21)	M15 - PTC154G35VXXXBA
141	11166401	EXTENSION SPRING (M2, M8, M15, M18, M21)	M16 - PTC154G50AXXXBA
151	CAP015000500RP	CAPACITOR	M17 - PTC154G50CXXXBA
161	0163P00029	CAPACITOR CLAMP	M18 - PTC154G50DXXXBA
181	11191703	PARTITION PANEL BRACKET (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M19 - PTC154G50QRXXBA
191	0130P00137	POWER VENT MOTOR (M2, M8, M15, M18, M21)	M20 - PTC154G50RXXXBA
201	11166201	POWER VENT COVER BRACKET (M2, M8, M15, M18, M21)	M21 - PTC154G50VXXXBA
211	11166101	POWER VENT MOTOR BRACKET (M2, M8, M15, M18, M21)	
251	0121P00091	PANEL-AUXILLIARY (M11, M12, M19)	

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

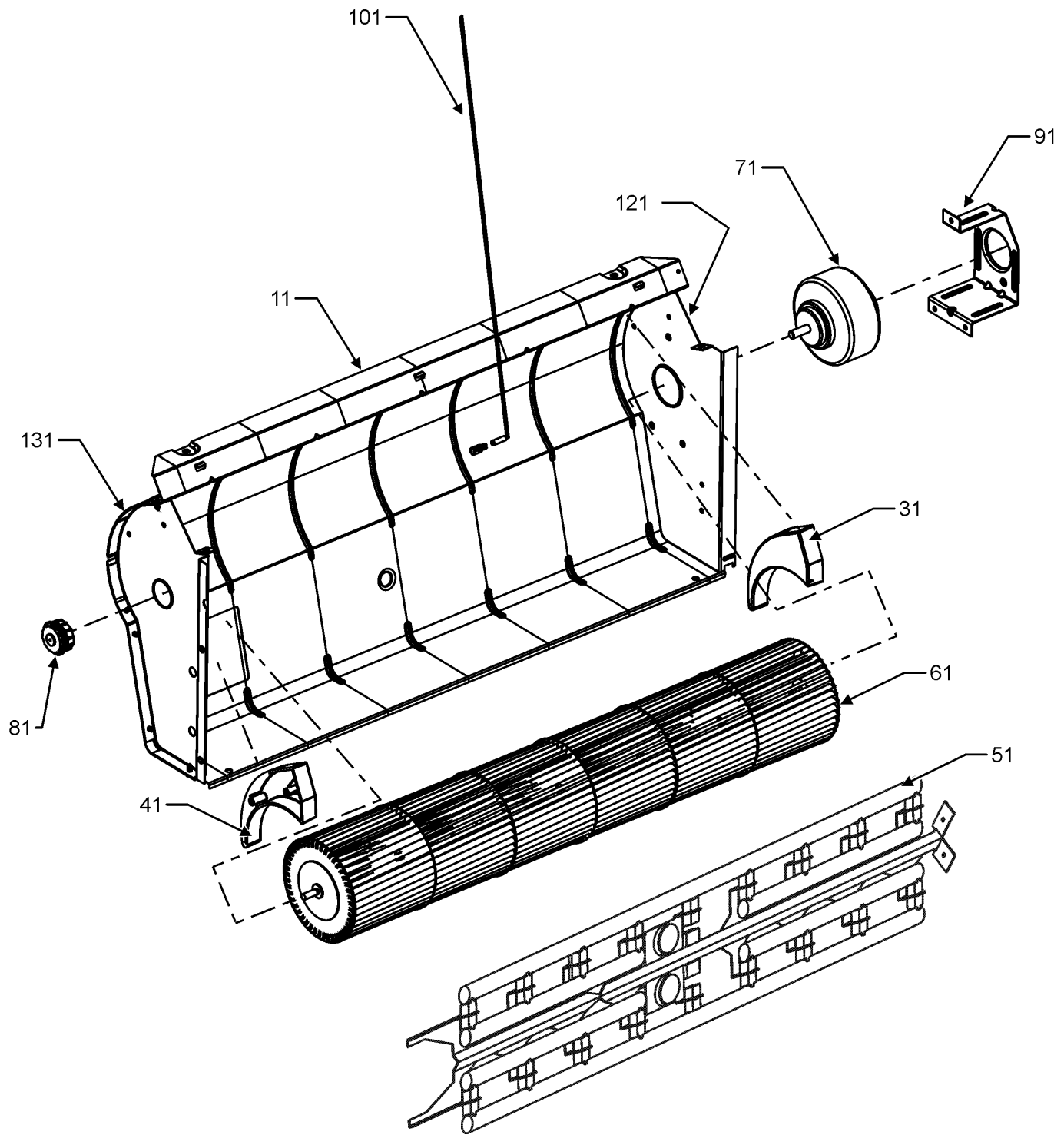
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00175DG		BASEPAN (M1, M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
11	0121P00175NG		BASEPAN (M6, M10, M17)
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
71	0121P00063NG		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	RSKP0015		CONTROL PANEL COVER AND MEMBRANE
141	0161P00016		PLASTIC-HOOD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M15, M16, M17, M18, M20, M21)
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, M13, M14, M15)
251	0130P00129		CORD, 277V, 30A (M16, M17, M18, M19, M20, M21)
NS	0130P00109		MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTC154G00AXXXBA
 M2 - PTC154G00DHXXBA
 M3 - PTC154G00HRXXBA
 M4 - PTC154G00HXXXBA
 M5 - PTC154G25AXXXBA
 M6 - PTC154G25CXXXBA
 M7 - PTC154G25RXXXBA
 M8 - PTC154G25VXXXBA
 M9 - PTC154G35AXXXBA
 M10 - PTC154G35CXXXBA
 M11 - PTC154G35QRXXBA
 M12 - PTC154G35QXXXBA
 M13 - PTC154G35RWXXBA
 M14 - PTC154G35RXXXBA
 M15 - PTC154G35VXXXBA
 M16 - PTC154G50AXXXBA
 M17 - PTC154G50CXXXBA
 M18 - PTC154G50DXXXBA
 M19 - PTC154G50QRXXBA
 M20 - PTC154G50RXXXBA
 M21 - PTC154G50VXXXBA

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:

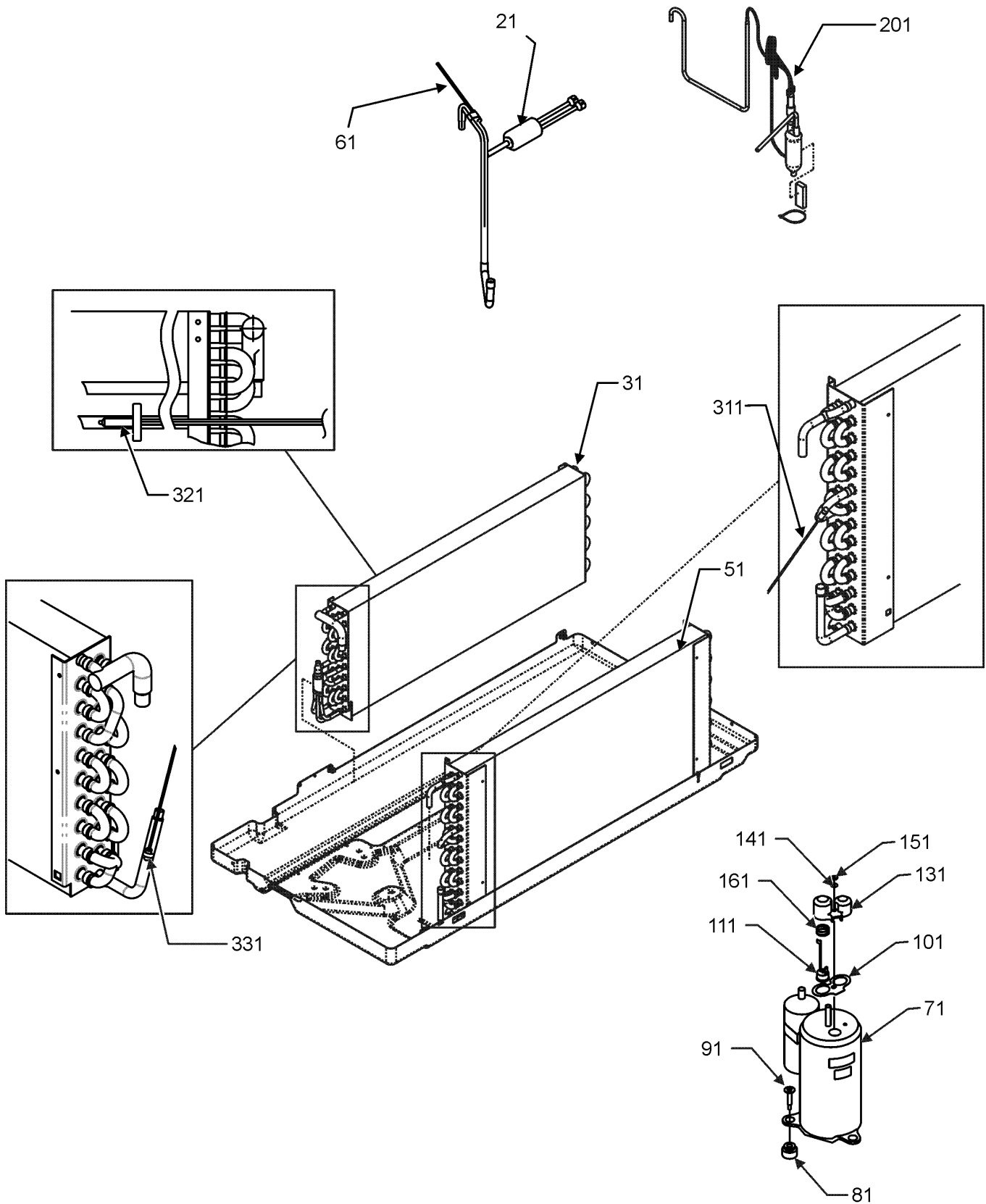
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M5, M6, M7, M8)
51	0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)
51	0275P00041	HEATER ASSY (M16, M17, M18, M19, M20, M21)
61	0150P00004	WHEEL, BLOWER
71	0131P00038	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00088DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PTC154G00AXXXBA
 M2 - PTC154G00DHXXBA
 M3 - PTC154G00HRXXBA
 M4 - PTC154G00HXXBA
 M5 - PTC154G25AXXXBA
 M6 - PTC154G25CXXBA
 M7 - PTC154G25RXXBA
 M8 - PTC154G25VXXBA
 M9 - PTC154G35AXXXBA
 M10 - PTC154G35CXXBA
 M11 - PTC154G35QRXXBA
 M12 - PTC154G35QXXBA
 M13 - PTC154G35RWXXBA
 M14 - PTC154G35RXXBA
 M15 - PTC154G35VXXBA
 M16 - PTC154G50AXXXBA
 M17 - PTC154G50CXXBA
 M18 - PTC154G50DXXBA
 M19 - PTC154G50QRXXBA
 M20 - PTC154G50RXXBA
 M21 - PTC154G50VXXBA

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
21	0130M00169		SWITCH, HIGH PRESS
31	0202P00067		EVAP ASSY, 3/8, 2 ROW
51	0201P00094		5 MM CONDENSER COIL ASSY (M1, M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
51	0202P00072NG		CONDENSER ASSY PNT (M6, M10, M17)
61	0130P00077		THERMISTOR - INDOOR (M3, M7, M11, M13, M14, M19, M20)
71	50A367Q		COMPRESSOR, RECHI
81	60140209		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253610		SHOULDER SCREW (QTY 3)
101	60100103		TERMINAL GASKET
111	60343525		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	0210P00214		CAPILLARY WELDMENT
311	0130P00094		THERMISTOR (M3, M7, M11, M13, M14, M19, M20)
321	0130P00073		THERMISTOR
331	0130P00084		THERMISTOR - INDOOR COIL

Expanded Model Nomenclature

M1 - PTC154G00AXXXBA
 M2 - PTC154G00DHXXBA
 M3 - PTC154G00HRXXBA
 M4 - PTC154G00HXXXBA
 M5 - PTC154G25AXXXBA
 M6 - PTC154G25CXXXBA
 M7 - PTC154G25RXXXBA
 M8 - PTC154G25VXXXBA
 M9 - PTC154G35AXXXBA
 M10 - PTC154G35CXXXBA
 M11 - PTC154G35QRXXBA
 M12 - PTC154G35QXXXBA
 M13 - PTC154G35RWXXBA
 M14 - PTC154G35RXXXBA
 M15 - PTC154G35VXXXBA
 M16 - PTC154G50AXXXBA
 M17 - PTC154G50CXXXBA
 M18 - PTC154G50DXXXBA
 M19 - PTC154G50QRXXBA
 M20 - PTC154G50RXXXBA
 M21 - PTC154G50VXXXBA