

PTC153G Package Terminal Air Conditioner

PTC153G00AXXXBA
PTC153G00CXXXBA
PTC153G00DHRXBA
PTC153G00DHXXBA
PTC153G00HQXXBA
PTC153G00HRVXBA
PTC153G00HRXXBA
PTC153G00HVXXBA
PTC153G00HXXXBA
PTC153G00RXXXBA
PTC153G25AXXXBA
PTC153G25CXXXBA
PTC153G25RXXXBA
PTC153G35AXXXBA
PTC153G35CQXXBA
PTC153G35CXXXBA
PTC153G35DXXXBA
PTC153G35QRXXBA
PTC153G35QXXXBA
PTC153G35RVXXBA
PTC153G35RXXXBA
PTC153G35VXXXBA
PTC153G50AXXXBA
PTC153G50CXXXBA
PTC153G50DXXXBA
PTC153G50QXXXBA
PTC153G50RVXXBA
PTC153G50RXXXBA
PTC153G50VXXXBA



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This manual is to be used by qualified technicians only.

This manual replaces RP-866F.

Important Information

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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

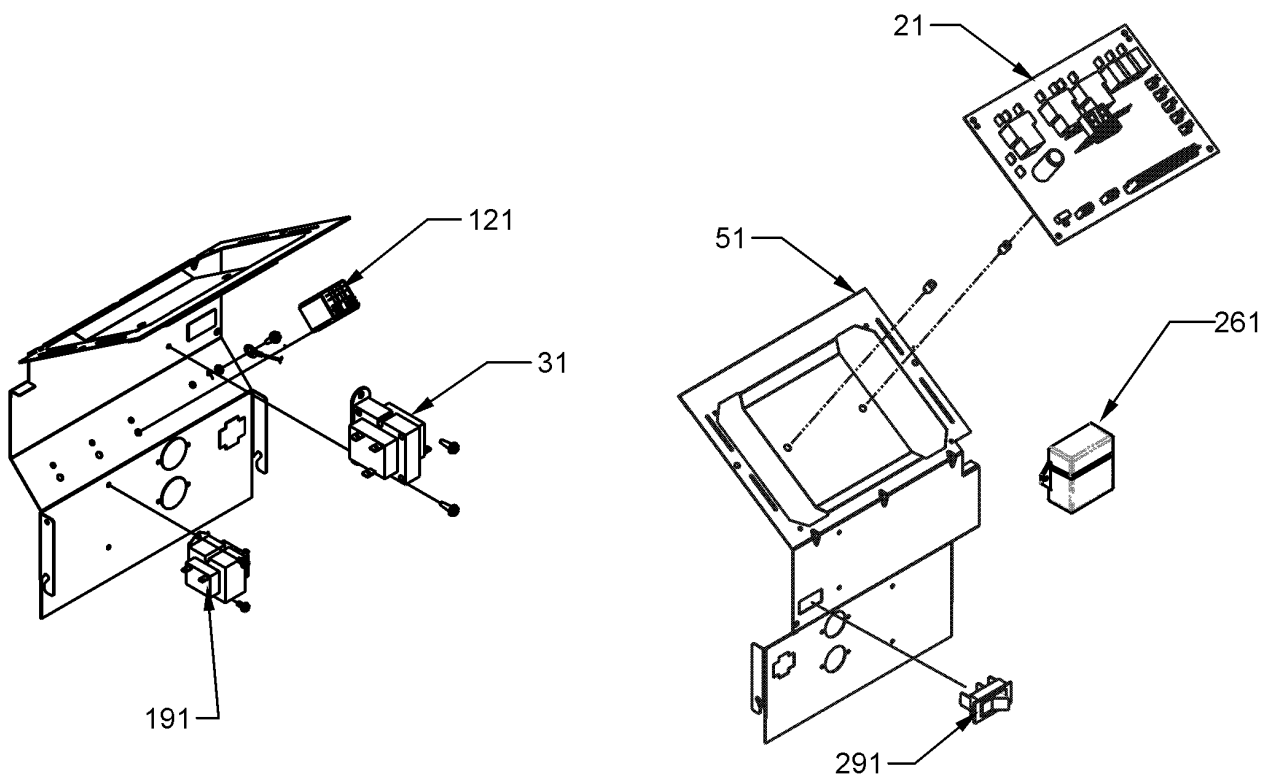
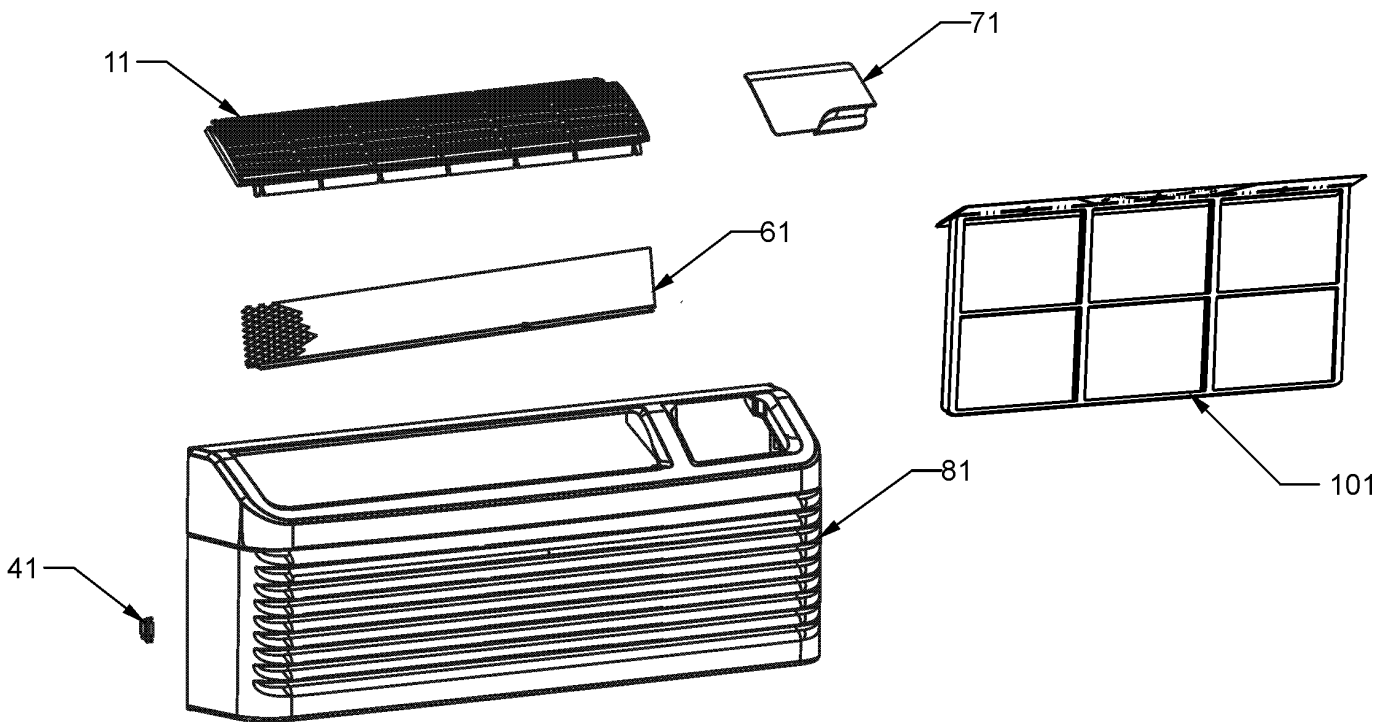
Functional Parts

Part

No: Description:

		Expanded Model Nomenclature
CAP020000440RP	CAPACITOR 2/440V	M1 - PTC153G00AXXXBA
CAP050300450CS	CAPACITOR 5/30/450V/DUAL RD	M2 - PTC153G00CXXXBA
50A362Q	COMPRESSOR, RECHI	M3 - PTC153G00DHRXBA
RSKP0012	CONTROL BOARD M70	M4 - PTC153G00DHXXBA
RSKP0015	CONTROL PANEL COVER AND MEMBRANE	M5 - PTC153G00HQXXBA
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)	M6 - PTC153G00HRVXBA
0130P00115	CORD,250VAC,20A (LCD) (M14, M15, M16, M17, M18, M19, M20, M21, M22)	M7 - PTC153G00HRXXBA
0130P00118	CORD,250VAC,30A (LCD) (M23, M24, M25, M26, M27, M28, M29)	M8 - PTC153G00HVXXBA
0131P00025	FAN MOTOR OUTDOOR	M9 - PTC153G00HXXXBA
0131P00036	FAN MOTOR, INDOOR	M10 - PTC153G00RXXXBA
0161P00055	FAN, CONDENSER	M11 - PTC153G25AXXXBA
0275P00039	HEATER ASSY (M23, M24, M25, M26, M27, M28, M29)	M12 - PTC153G25CXXXBA
0275P00038	HEATER ASSY (M14, M15, M16, M17, M18, M19, M20, M21, M22)	M13 - PTC153G25RXXXBA
0275P00019	HEATER ASSY (M11, M12, M13)	M14 - PTC153G35AXXXBA
60343546	OVERLOAD PROTECTOR	M15 - PTC153G35CQXXBA
PCBCP140	PCB, CONTROL, D70 (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)	M16 - PTC153G35CXXXBA
0130P00137	POWER VENT MOTOR (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)	M17 - PTC153G35DXXXBA
0130M00181	SPDT RELAY (M3, M4, M5, M6, M7, M8, M9)	M18 - PTC153G35QRXXBA
0130M00169	SWITCH, HIGH PRESS	M19 - PTC153G35QXXXBA
802007090	TERMINAL BOARD	M20 - PTC153G35RVXXBA
0130P00073	THERMISTOR	M21 - PTC153G35RXXXBA
0130P00094	THERMISTOR (M3, M6, M7, M10, M13, M18, M20, M21, M27, M28)	M22 - PTC153G35VXXXBA
0130P00134	THERMISTOR - DISCHARGE	M23 - PTC153G50AXXXBA
0130P00077	THERMISTOR - INDOOR (M3, M6, M7, M10, M13, M18, M20, M21, M27, M28)	M24 - PTC153G50CXXXBA
0130P00084	THERMISTOR - INDOOR COIL	M25 - PTC153G50DXXXBA
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M6, M7, M10, M13, M18, M20, M21, M27, M28)	M26 - PTC153G50QXXXBA
0130M00329	TRANSFORMER 20VA 60HZ (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)	M27 - PTC153G50RVXXBA
0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M3, M4, M5, M6, M7, M8, M9, M17, M20, M22, M25, M27, M29)	M28 - PTC153G50RXXXBA
		M29 - PTC153G50VXXXBA

Control Panel / Front Assembly



Control Panel / Front Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

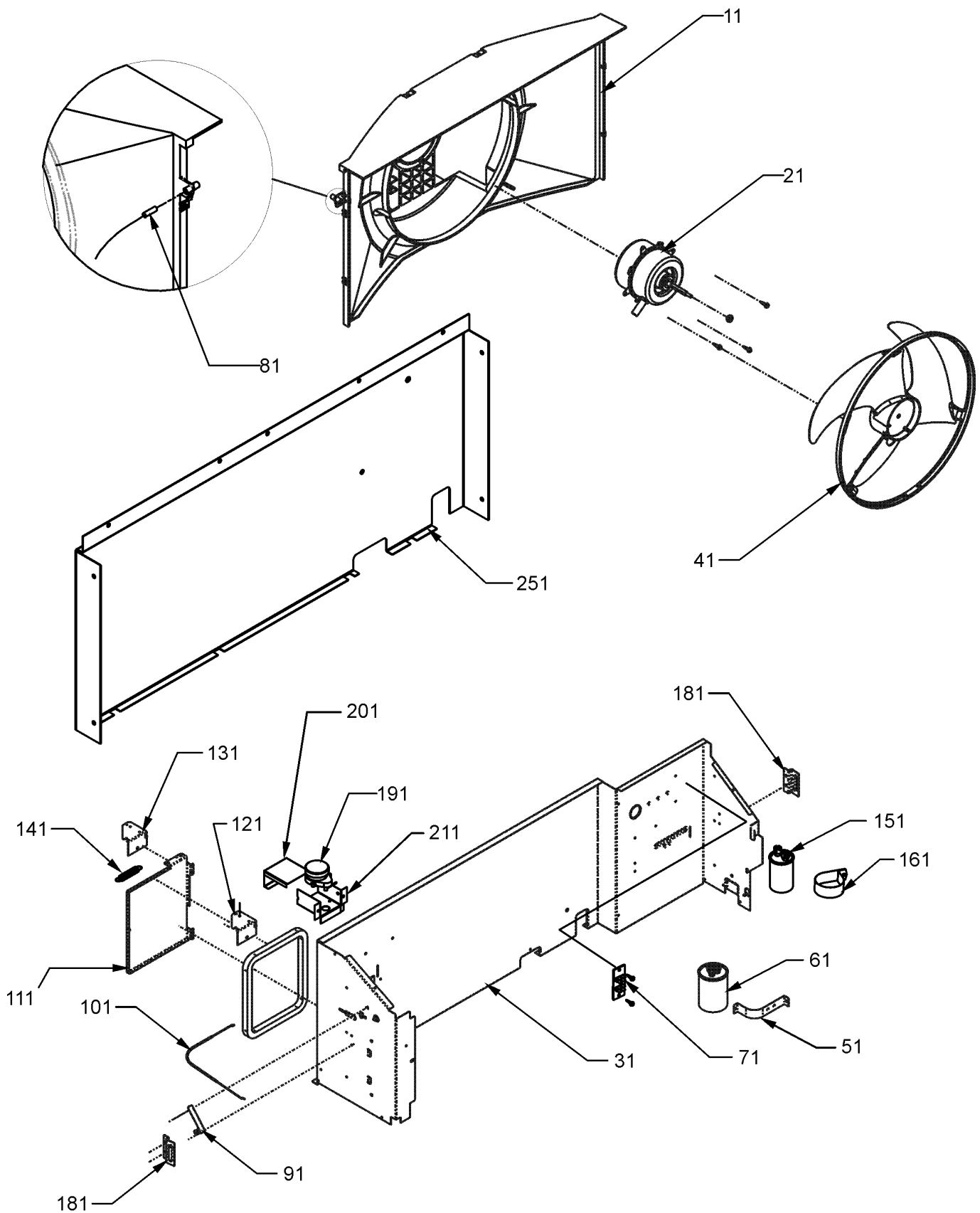
Image 1:

11	0161P00048	FRONT, LOUVERS DISCHARGE (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
21	RSKP0012	CONTROL BOARD M70
31	0130M00329	TRANSFORMER 20VA 60HZ (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
41	0163P00025	CLIP (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
51	0121P00130	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
71	0261P00003	DOOR ASSY -AMANA- (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
81	0261P00011	FRONT ASSY (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
101	0161P00035	FILTER, RACK (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
121	0130M00181	SPDT RELAY (M3, M4, M5, M6, M7, M8, M9)
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M3, M4, M5, M6, M7, M8, M9, M17, M20, M22, M25, M27, M29)
261	0130P00104	ANTENNA (DIGITENNA) (M3, M6, M7, M10, M13, M18, M20, M21, M27, M28)
291	B1337701	PADDLE SWITCH (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)
NS	PCBCP140	PCB, CONTROL, D70 (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)

Expanded Model Nomenclature

M1 - PTC153G00AXXXBA
M2 - PTC153G00CXXXBA
M3 - PTC153G00DHRXBA
M4 - PTC153G00DHXXBA
M5 - PTC153G00HQXXBA
M6 - PTC153G00HRVXBA
M7 - PTC153G00HRXXBA
M8 - PTC153G00HVXXBA
M9 - PTC153G00HXXXBA
M10 - PTC153G00RXXXBA
M11 - PTC153G25AXXXBA
M12 - PTC153G25CXXXBA
M13 - PTC153G25RXXXBA
M14 - PTC153G35AXXXBA
M15 - PTC153G35CQXXBA
M16 - PTC153G35CXXXBA
M17 - PTC153G35DXXXBA
M18 - PTC153G35QRXXBA
M19 - PTC153G35QXXXBA
M20 - PTC153G35RVXXBA
M21 - PTC153G35RXXXBA
M22 - PTC153G35VXXXBA
M23 - PTC153G50AXXXBA
M24 - PTC153G50CXXXBA
M25 - PTC153G50DXXXBA
M26 - PTC153G50QXXXBA
M27 - PTC153G50RVXXBA
M28 - PTC153G50RXXXBA
M29 - PTC153G50VXXXBA

Condenser Fan / Partition Assembly



Condenser Fan / Partition Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

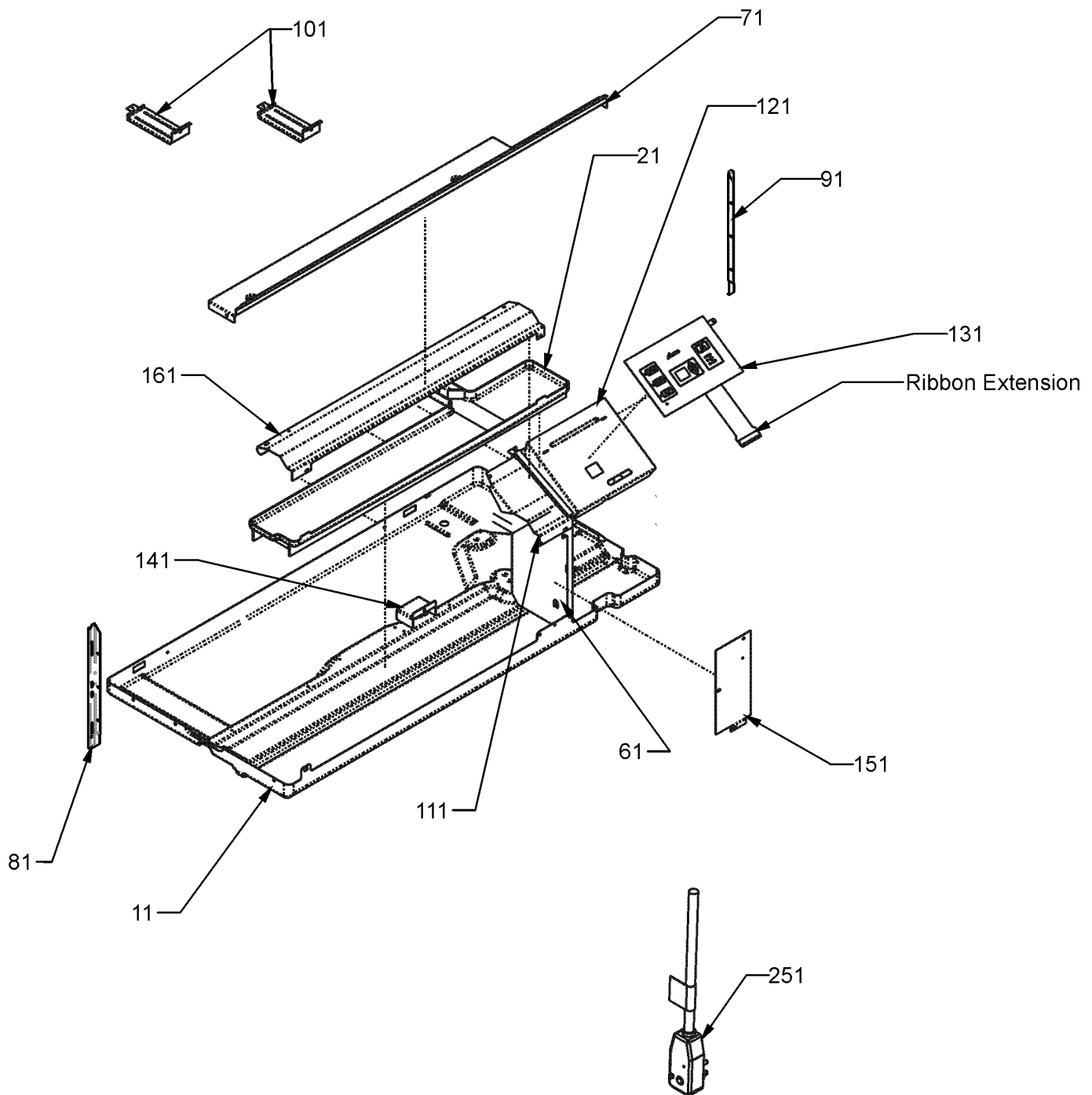
Image 1:

11	0161P00053	SHROUD, CONDENSER
21	0131P00025	FAN MOTOR OUTDOOR
31	0121P00093NG	PANEL-PARTITION (M5, M15, M18, M19, M26)
31	0121P00108NG	PANEL-PARTITION (M1, M2, M3, M4, M6, M7, M8, M9, M10, M11, M12, M13, M14, M16, M17, M20, M21, M22, M23, M24, M25, M27, M28, M29)
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP050300450CS	CAPACITOR 5/30/450V/DUAL RD
71	802007090	TERMINAL BOARD
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M6, M7, M10, M13, M18, M20, M21, M27, M28)
91	11046302	LEVER ARM (M1, M2, M7, M9, M10, M11, M12, M13, M14, M16, M21, M23, M24, M28)
101	0163P00019	CABLE (M1, M2, M7, M9, M10, M11, M12, M13, M14, M16, M21, M23, M24, M28)
111	0121P00177NG	DOOR-VENT PTC (M1, M2, M3, M4, M6, M7, M8, M9, M10, M11, M12, M13, M14, M16, M17, M20, M21, M22, M23, M24, M25, M27, M28, M29)
121	0121P00079	BRACKET, VENT DOOR (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)
131	0121P00180	BRACKET, POWER VENT (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)
131	0121P00072NG	BRACKET, VENT DOOR (M1, M2, M7, M9, M10, M11, M12, M13, M14, M16, M21, M23, M24, M28)
141	11166401	EXTENSION SPRING (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (M1, M2, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
191	0130P00137	POWER VENT MOTOR (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)
201	11166201	POWER VENT COVER BRACKET (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)
211	11166101	POWER VENT MOTOR BRACKET (M3, M4, M6, M8, M17, M20, M22, M25, M27, M29)
251	0121P00091NG	PANEL-AUXILLIARY (M5, M15, M18, M19, M26)

Expanded Model Nomenclature

M1 - PTC153G00AXXXBA
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M3 - PTC153G00DHRXBA
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M6 - PTC153G00HRVXBA
M7 - PTC153G00HRXXBA
M8 - PTC153G00HVXXBA
M9 - PTC153G00HXXXBA
M10 - PTC153G00RXXXBA
M11 - PTC153G25AXXXBA
M12 - PTC153G25CXXXBA
M13 - PTC153G25RXXXBA
M14 - PTC153G35AXXXBA
M15 - PTC153G35CQXXBA
M16 - PTC153G35CXXXBA
M17 - PTC153G35DXXXBA
M18 - PTC153G35QRXXBA
M19 - PTC153G35QXXXBA
M20 - PTC153G35RVXXBA
M21 - PTC153G35RXXXBA
M22 - PTC153G35VXXXBA
M23 - PTC153G50AXXXBA
M24 - PTC153G50CXXXBA
M25 - PTC153G50DXXXBA
M26 - PTC153G50QXXXBA
M27 - PTC153G50RVXXBA
M28 - PTC153G50RXXXBA
M29 - PTC153G50VXXXBA

Partition Assembly



Partition Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

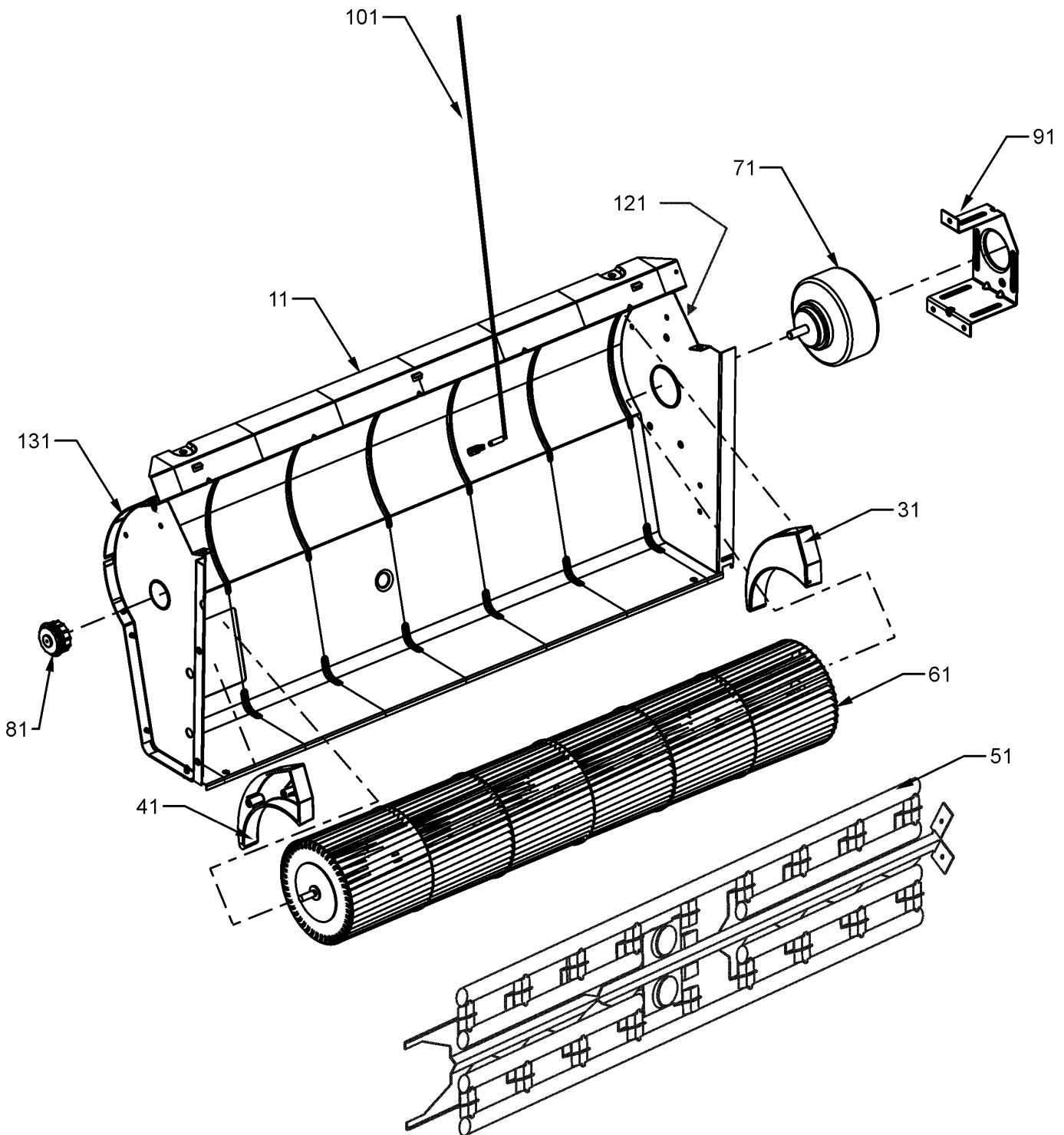
Image 1:

11	0121P00175DG	BASEPAN (M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M17, M18, M19, M20, M21, M22, M23, M25, M26, M27, M28, M29)
11	0121P00175NG	BASEPAN (M2, M12, M15, M16, M24)
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
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13)
251	0130P00115	CORD,250VAC,20A (LCD) (M14, M15, M16, M17, M18, M19, M20, M21, M22)
251	0130P00118	CORD,250VAC,30A (LCD) (M23, M24, M25, M26, M27, M28, M29)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTC153G00AXXXBA
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M3 - PTC153G00DHRXBA
M4 - PTC153G00DHXXBA
M5 - PTC153G00HQXXBA
M6 - PTC153G00HRVXBA
M7 - PTC153G00HRXXBA
M8 - PTC153G00HVXXBA
M9 - PTC153G00HXXXBA
M10 - PTC153G00RXXXBA
M11 - PTC153G25AXXXBA
M12 - PTC153G25CXXXBA
M13 - PTC153G25RXXXBA
M14 - PTC153G35AXXXBA
M15 - PTC153G35CQXXBA
M16 - PTC153G35CXXXBA
M17 - PTC153G35DXXXBA
M18 - PTC153G35QRXXBA
M19 - PTC153G35QXXXBA
M20 - PTC153G35RVXXBA
M21 - PTC153G35RXXXBA
M22 - PTC153G35VXXXBA
M23 - PTC153G50AXXXBA
M24 - PTC153G50CXXXBA
M25 - PTC153G50DXXXBA
M26 - PTC153G50QXXXBA
M27 - PTC153G50RVXXBA
M28 - PTC153G50RXXXBA
M29 - PTC153G50VXXXBA

Evaporator Blower / Heater Assembly



Evaporator Blower / Heater Assembly

Ref. Part

No: No: Description:

Ref. Part

No: No: Description:

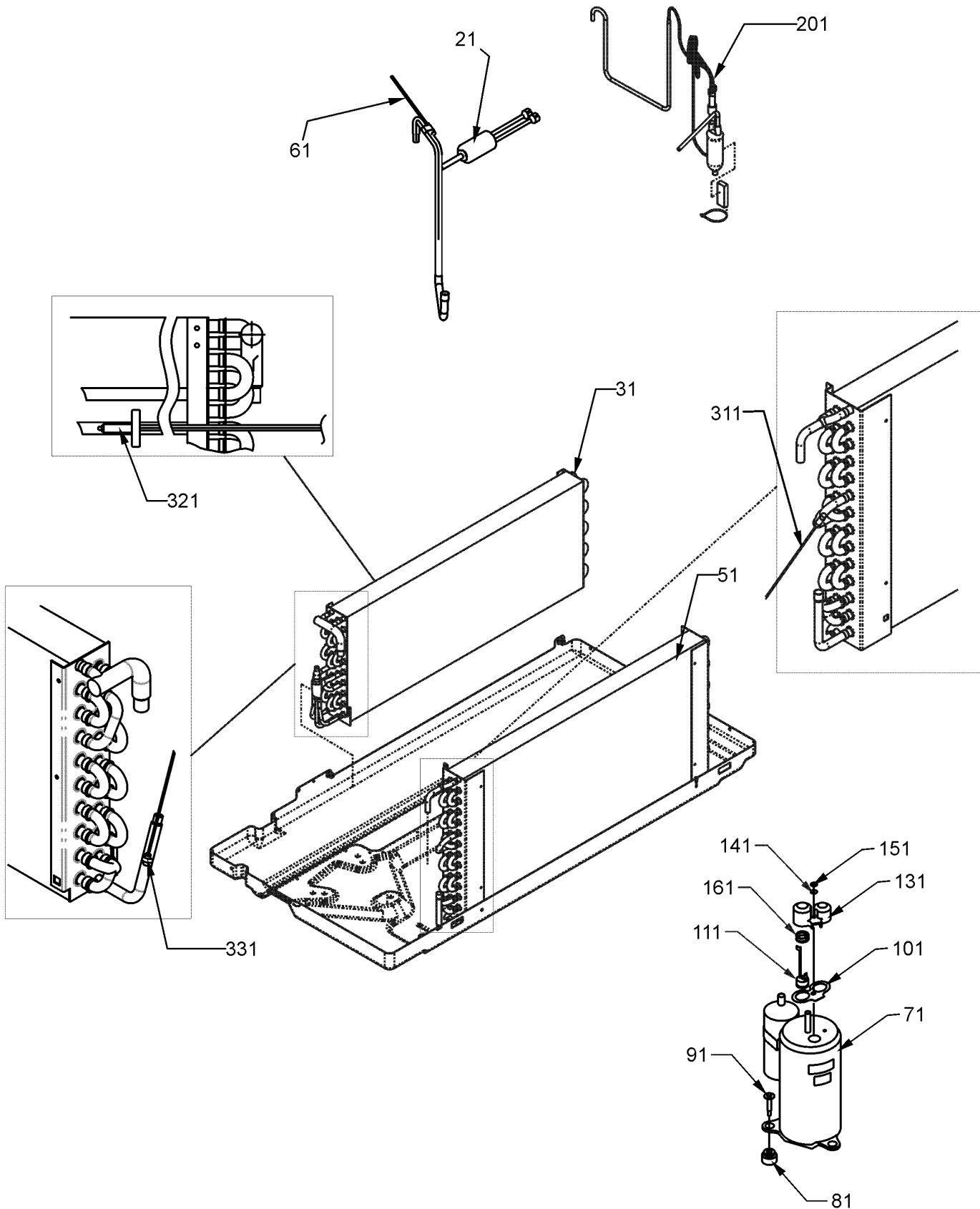
Image 1:

11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M11, M12, M13)
51	0275P00038	HEATER ASSY (M14, M15, M16, M17, M18, M19, M20, M21, M22)
51	0275P00039	HEATER ASSY (M23, M24, M25, M26, M27, M28, M29)
61	0150P00004	WHEEL, BLOWER
71	0131P00036	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 - PTC153G00AXXXBA
 M2 - PTC153G00CXXXBA
 M3 - PTC153G00DHRXBA
 M4 - PTC153G00DHXXBA
 M5 - PTC153G00HQXXBA
 M6 - PTC153G00HRVXBA
 M7 - PTC153G00HRXXBA
 M8 - PTC153G00HVXXBA
 M9 - PTC153G00HXXXBA
 M10 - PTC153G00RXXXBA
 M11 - PTC153G25AXXXBA
 M12 - PTC153G25CXXXBA
 M13 - PTC153G25RXXXBA
 M14 - PTC153G35AXXXBA
 M15 - PTC153G35CQXXBA
 M16 - PTC153G35CXXXBA
 M17 - PTC153G35DXXXBA
 M18 - PTC153G35QRXXBA
 M19 - PTC153G35QXXXBA
 M20 - PTC153G35RVXXBA
 M21 - PTC153G35RXXXBA
 M22 - PTC153G35VXXXBA
 M23 - PTC153G50AXXXBA
 M24 - PTC153G50CXXXBA
 M25 - PTC153G50DXXXBA
 M26 - PTC153G50QXXXBA
 M27 - PTC153G50RVXXBA
 M28 - PTC153G50RXXXBA
 M29 - PTC153G50VXXXBA

Coil / Compressor / Tubing Assembly



Coil / Compressor / 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, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M17, M18, M19, M20, M21, M22, M23, M25, M26, M27, M28, M29)
51	0202P00072NG	CONDENSER ASSY PNT (M2, M12, M15, M16, M24)
61	0130P00077	THERMISTOR - INDOOR (M3, M6, M7, M10, M13, M18, M20, M21, M27, M28)
71	50A362Q	COMPRESSOR, RECHI
81	60140209	GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253610	SHOULDER SCREW (QTY 3)
101	60100103	TERMINAL GASKET
111	60343546	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	0210P00203	CAPILLARY WELDMENT
311	0130P00094	THERMISTOR (M3, M6, M7, M10, M13, M18, M20, M21, M27, M28)
321	0130P00073	THERMISTOR
331	0130P00084	THERMISTOR - INDOOR COIL

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M3 - PTC153G00DHRXBA
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M5 - PTC153G00HQXXBA
M6 - PTC153G00HRVXBA
M7 - PTC153G00HRXXBA
M8 - PTC153G00HVXXBA
M9 - PTC153G00HXXXBA
M10 - PTC153G00RXXXBA
M11 - PTC153G25AXXXBA
M12 - PTC153G25CXXXBA
M13 - PTC153G25RXXXBA
M14 - PTC153G35AXXXBA
M15 - PTC153G35CQXXBA
M16 - PTC153G35CXXXBA
M17 - PTC153G35DXXXBA
M18 - PTC153G35QRXXBA
M19 - PTC153G35QXXXBA
M20 - PTC153G35RVXXBA
M21 - PTC153G35RXXXBA
M22 - PTC153G35VXXXBA
M23 - PTC153G50AXXXBA
M24 - PTC153G50CXXXBA
M25 - PTC153G50DXXXBA
M26 - PTC153G50QXXXBA
M27 - PTC153G50RVXXBA
M28 - PTC153G50RXXXBA
M29 - PTC153G50VXXXBA