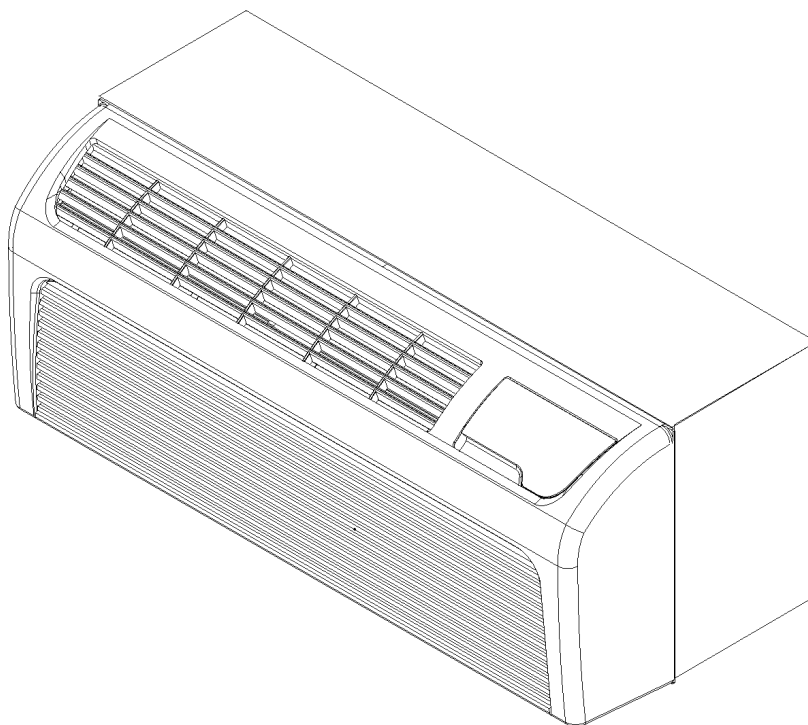


PTH/PTC Package Terminal Air Conditioner/Heat Pumps

PTC073B25AUBM
PTC073B35AUBM
PTC093B25AUBM
PTC093B25CMBP
PTC093B35AUBM
PTC093B35RMBP
PTC105B00AMBM
PTC123B15AMBP
PTC123B25CMBP
PTC123B35RMBP
PTC125B30CMBM
PTC153B00CMBM
PTC153B15AMBM
PTC154B50CMBM
PTH073B35CMBM
PTH073B35JMBM
PTH074B25CMBM
PTH074B35CNBM
PTH093B25CMBP
PTH094B35JMBP
PTH123B50BMBP
PTH125B20AMBM



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This manual is to be used by qualified technicians only.

This manual replaces RP-415C.

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Important Information

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Views shown are for parts illustrations only, not servicing procedures.

Rev. D: Added models PTH074B35CNBM and PTH094B35JMBP.

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:

Consumer Affairs Department
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
877-254-4729-Telephone
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: Description:

CAP050150370RSS	CAPACITOR 5/15/370V (M1, M2, M4, M6, M15, M16, M19)	20512501	TRANSFORMER (M1, M2, M3, M4, M5, M6, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
CAP050150440RSS	CAPACITOR 5/15/440V (M17, M18, M20)	11172101	TRANSFORMER (M20)
CAP050300370RSS	CAPACITOR 5/30/370V (M3, M5, M8, M9, M10, M21)	B1378501	TRANSFORMER (M7, M11, M16, M21, M22)
CAP050350370RSS	CAPACITOR 5/35/370V (M7, M12, M13)		
CAP050350440RSS	CAPACITOR 5/35/440V (M14)		
CAP050500370RTS	CAPACITOR 5/50/370V (M11, M22)		
D6926123H	COMPRESSOR 2K21T236B-UA (M12, M13)		
D6926124H	COMPRESSOR 2K21T276A-UB (M11, M14, M22)		
D6985807H	COMPRESSOR 2P17S3R236A (M8, M9, M10, M21)		
D6985810H	COMPRESSOR 2P17S3R276A (M7)		
D6887711H	COMPRESSOR 2R13S3R236A (M4, M6, M19)		
D6887712H	COMPRESSOR 2R13S3R276A (M20)		
D6887715H	COMPRESSOR 2R9U236A6A (M15, M16)		
D6887716H	COMPRESSOR 2R9U276A6A (M17, M18)		
2R11S3R236A-6AS	COMPRESSOR 7000, 208/230/60 (M1, M2)		
2P14S3R236A-1AS	COMPRESSOR 9000, 208/230/60 (M3, M5)		
RSKP0010	CONTROL BOARD, M61 WIRELESS KIT		
0131P00002S	FAN MOTOR 100 W, 2 SP, 6 PL (M8, M9, M10, M12, M13, M21)		
0131P00003S	FAN MOTOR 100 W, 2 SP, 6 PL (M7, M11, M14, M22)		
0131P00000S	FAN MOTOR 40 W, 2 SP, 8 PL (M1, M2, M3, M4, M5, M6, M15, M16, M19)		
0131P00001S	FAN MOTOR 40 W, 2 SP, 8 PL (M17, M18, M20)		
22312901	HEATER 3 1.5 KW ASSY (M8, M13)		
22312902	HEATER 3 2.5 KW ASSY (M1, M3, M4, M9, M19)		
22312903	HEATER 3 3.5 KW ASSY (M2, M5, M6, M10, M15, M16)		
22312904	HEATER 3 5.0 KW ASSY (M21)		
22312906	HEATER 4 2.5 KW ASSY (M17, M22)		
22312907	HEATER 4 3.7 KW ASSY (M11, M18, M20)		
22312908	HEATER 4 5.0 KW ASSY (M14)		
11172801	POWER VENT MOTOR (M16, M20, M21)		
C8873932	RELAY (POWER VENT) (M16, M20, M21)		
B1160701	TERMINAL BOARD (M16, M20, M21)		
0130P00038	THERMISTOR-DISCHARGE		
20295709	THERMISTOR-HEAT PUMP (M15, M16, M17, M18, M19, M20, M21, M22)		
0130P00046	THERMISTOR-INDOOR AMBIENT		
20295707	THERMISTOR-INDOOR COIL		
SPECIAL PARTS			
IO-692A	CONFIGURATION/DIAGNOSTIC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M17, M18, M19, M22)		
IO-693A	CONFIGURATION/DIAGNOSTIC (M16, M20, M21)		
20490201	INSPECTION SHEET-SLEEVE/DRAIN		
IO-293B	INSTALLATION INSTRUCTIONS (M1, M2, M3, M4, M5, M6, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)		
20517602	INSTALLATION INSTRUCTIONS (M7, M11, M22)		
IO-266	KIT INSTRUCTIONS-CHASSIS TO WALL SLEEVE		
RP-415D	REPAIR PARTS MANUAL		
Expanded Model Nomenclature			
		M1 - PTC073B25AUBM	
		M2 - PTC073B35AUBM	
		M3 - PTC093B25AUBM	
		M4 - PTC093B25CMBP	
		M5 - PTC093B35AUBM	
		M6 - PTC093B35RMBP	
		M7 - PTC105B00AMBM	
		M8 - PTC123B15AMBP	
		M9 - PTC123B25CMBP	
		M10 - PTC123B35RMBP	
		M11 - PTC125B30CMBM	
		M12 - PTC153B00CMBM	
		M13 - PTC153B15AMBM	
		M14 - PTC154B50CMBM	
		M15 - PTH073B35CMBM	
		M16 - PTH073B35JMBM	
		M17 - PTH074B25CMBM	
		M18 - PTH074B35CNBM	
		M19 - PTH093B25CMBP	
		M20 - PTH094B35JMBP	
		M21 - PTH123B50BMBP	
		M22 - PTH125B20AMBM	

Front Assy/Chassis

Image 1

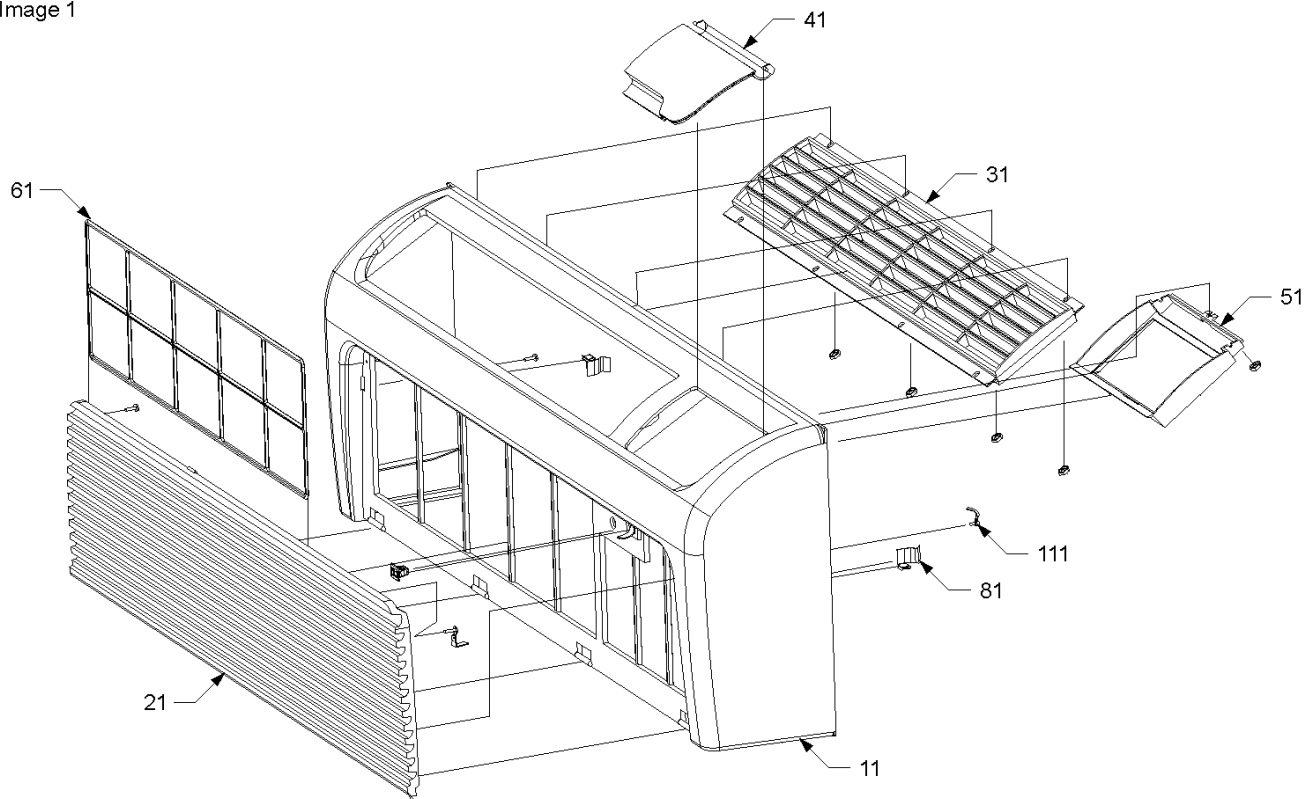
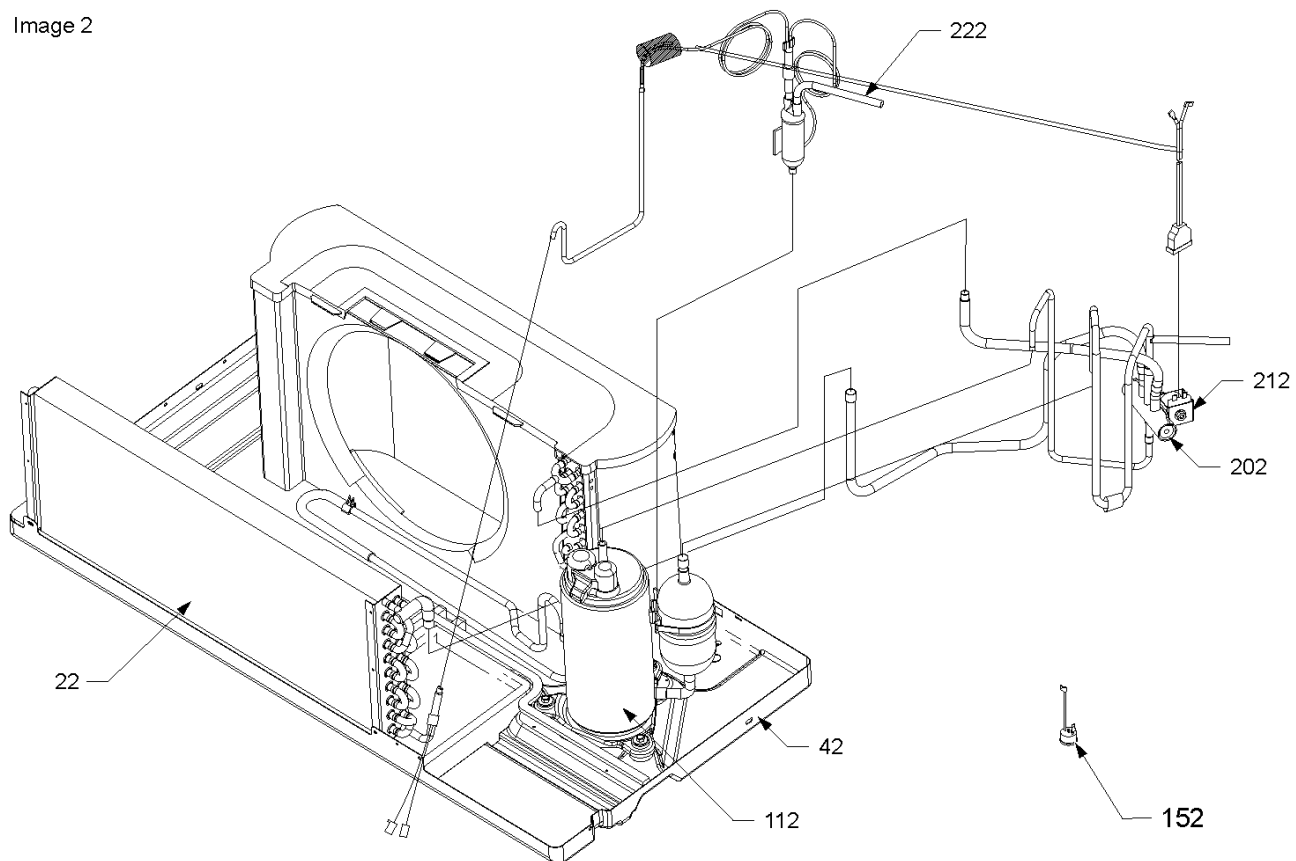


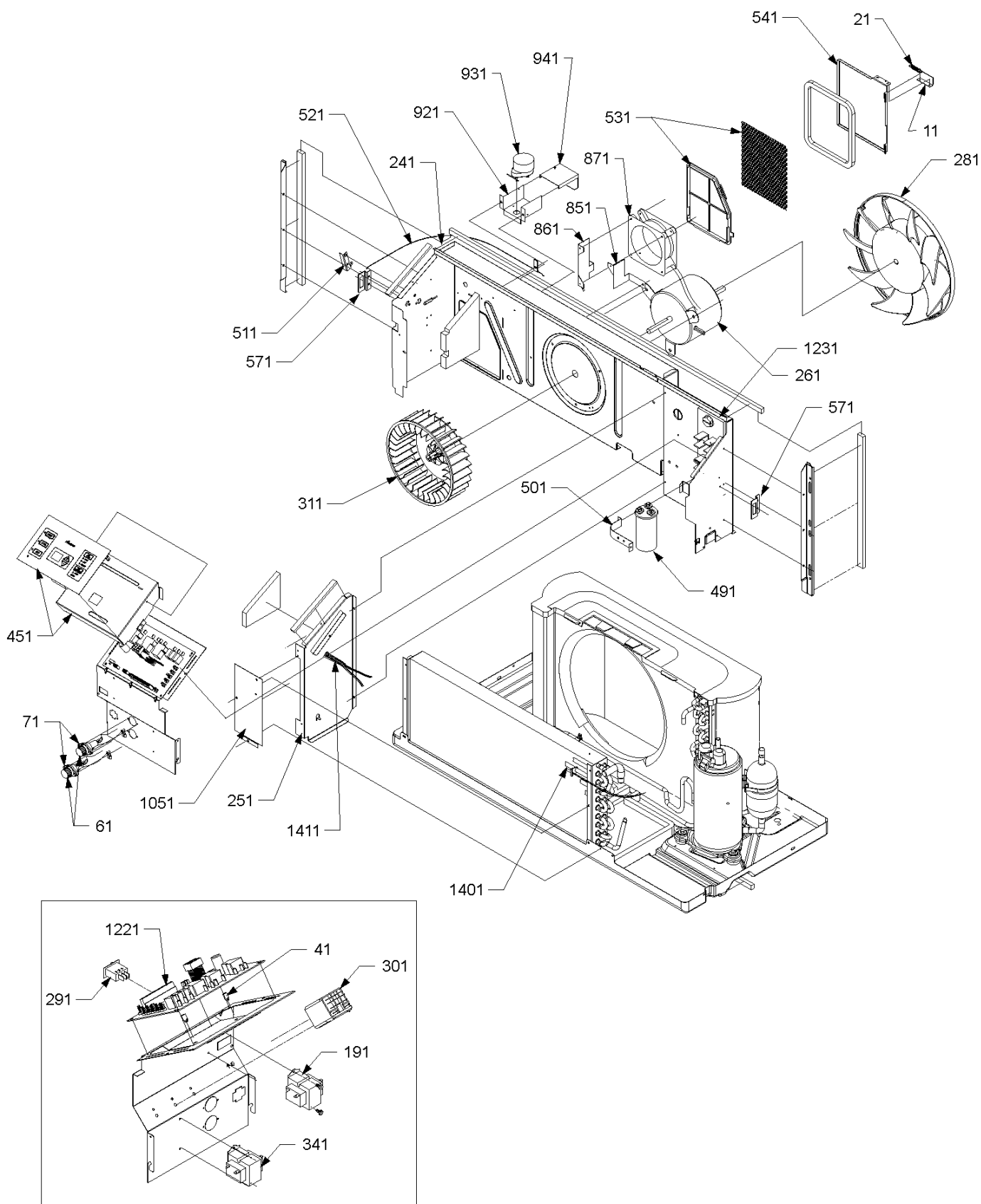
Image 2



Front Assy/Chassis

Ref. Part No: No:			Ref. Part No: No:		
Description:			Description:		
Image 1:			Image 2:		
11	0261P00000A	FRONT FRAME	222	20473202	CAPILLARY WELDMENT (M15, M16, M17)
21	20415402	INTAKE GRILLE	222	20474002	CAPILLARY WELDMENT (M22)
31	20415301	EXHAUST GRILLE	222	20497502	CAPILLARY WELDMENT (M1, M2)
41	20415901	DOOR ASSY	222	20498102	CAPILLARY WELDMENT (M18)
51	20415601	CONTROL HOUSING	NS	A3448602	COMPRESSOR GROMMET (M3, M5, M7, M8, M9, M10, M11, M12, M13, M14, M21, M22)
61	20415801	FILTER	NS	A4622801	COMPRESSOR GROMMET (M1, M2, M4, M6, M15, M16, M17, M18, M19, M20)
81	11045102	SIDE CLIP (QTY 2)	NS	M0253610	SHOULDER SCREW (M3, M5, M7, M8, M9, M10, M11, M12, M13, M14, M21, M22)
111	0161P00002P	STRAP-INLET GRILLE RESTRAINT (QTY 2)	NS	M0253661	SHOULDER SCREW (M1, M2, M4, M6, M15, M16, M17, M18, M19, M20)
Image 2:			Expanded Model Nomenclature		
22	0202P00043S	TUBING ASSY, EVAP COIL (M1, M2, M3, M5)	M1 - PTC073B25AUBM M2 - PTC073B35AUBM M3 - PTC093B25AUBM M4 - PTC093B25CMBP M5 - PTC093B35AUBM M6 - PTC093B35RMBP M7 - PTC105B00AMBM M8 - PTC123B15AMBP M9 - PTC123B25CMBP M10 - PTC123B35RMBP M11 - PTC125B30CMBM M12 - PTC153B00CMBM M13 - PTC153B15AMBM M14 - PTC154B50CMBM M15 - PTH073B35CMBM M16 - PTH073B35JMBM M17 - PTH074B25CMBM M18 - PTH074B35CNBM M19 - PTH093B25CMBP M20 - PTH094B35JMBP M21 - PTH123B50BMBP M22 - PTH125B20AMBM		
22	20456702S	TUBING ASSY, EVAP COIL (M7, M8, M9, M10, M11, M12, M13, M14, M21, M22)			
22	20457202S	TUBING ASSY, EVAP COIL (M4, M6, M18, M19, M20)			
22	20473902S	TUBING ASSY, EVAP COIL (M15, M16, M17)			
42	20403508	BASE PAN			
112	D6926123H	COMPRESSOR 2K21T236B-UA (M12, M13)			
112	D6926124H	COMPRESSOR 2K21T276A-UB (M11, M14, M22)			
112	D6985807H	COMPRESSOR 2P17S3R236A (M8, M9, M10, M21)			
112	D6985810H	COMPRESSOR 2P17S3R276A (M7)			
112	D6887711H	COMPRESSOR 2R13S3R236A (M4, M6, M19)			
112	D6887712H	COMPRESSOR 2R13S3R276A (M20)			
112	D6887715H	COMPRESSOR 2R9U236A6A (M15, M16)			
112	D6887716H	COMPRESSOR 2R9U276A6A (M17, M18)			
112	2R11S3R236A-6AS	COMPRESSOR 7000, 208/230/60 (M1, M2)			
112	2P14S3R236A-1AS	COMPRESSOR 9000, 208/230/60 (M3, M5)			
152	D6961612	OVERLOAD (M8, M9, M10, M21)			
152	D6961636	OVERLOAD (M15, M16)			
152	D6961637	OVERLOAD (M17, M18)			
152	D6961639	OVERLOAD (M4, M6, M19)			
152	D6961641	OVERLOAD (M3, M5)			
152	D6961642	OVERLOAD (M1, M2, M20)			
152	D6961646	OVERLOAD (M7)			
152	D6961657	OVERLOAD (M14)			
152	D6961658	OVERLOAD (M11, M22)			
202	0151P00000	REVERSING VALVE ASSY-230V (M15, M16, M19, M21, M22)			
202	0151P00001	REVERSING VALVE ASSY-265V (M17, M18, M20)			
212	22322201	REVERSING VALVE COIL 230V (M15, M16, M19, M21, M22)			
212	22322202	REVERSING VALVE COIL 265V (M17, M18, M20)			
222	0210P00000	CAPILLARY WELDMENT (M19, M20)			
222	0210P00003	CAPILLARY WELDMENT (M21)			
222	0210P00023	CAPILLARY WELDMENT (M7, M8, M9, M10)			
222	20466802	CAPILLARY WELDMENT (M11, M12, M13, M14)			
222	20469302	CAPILLARY WELDMENT (M3, M4, M5, M6)			

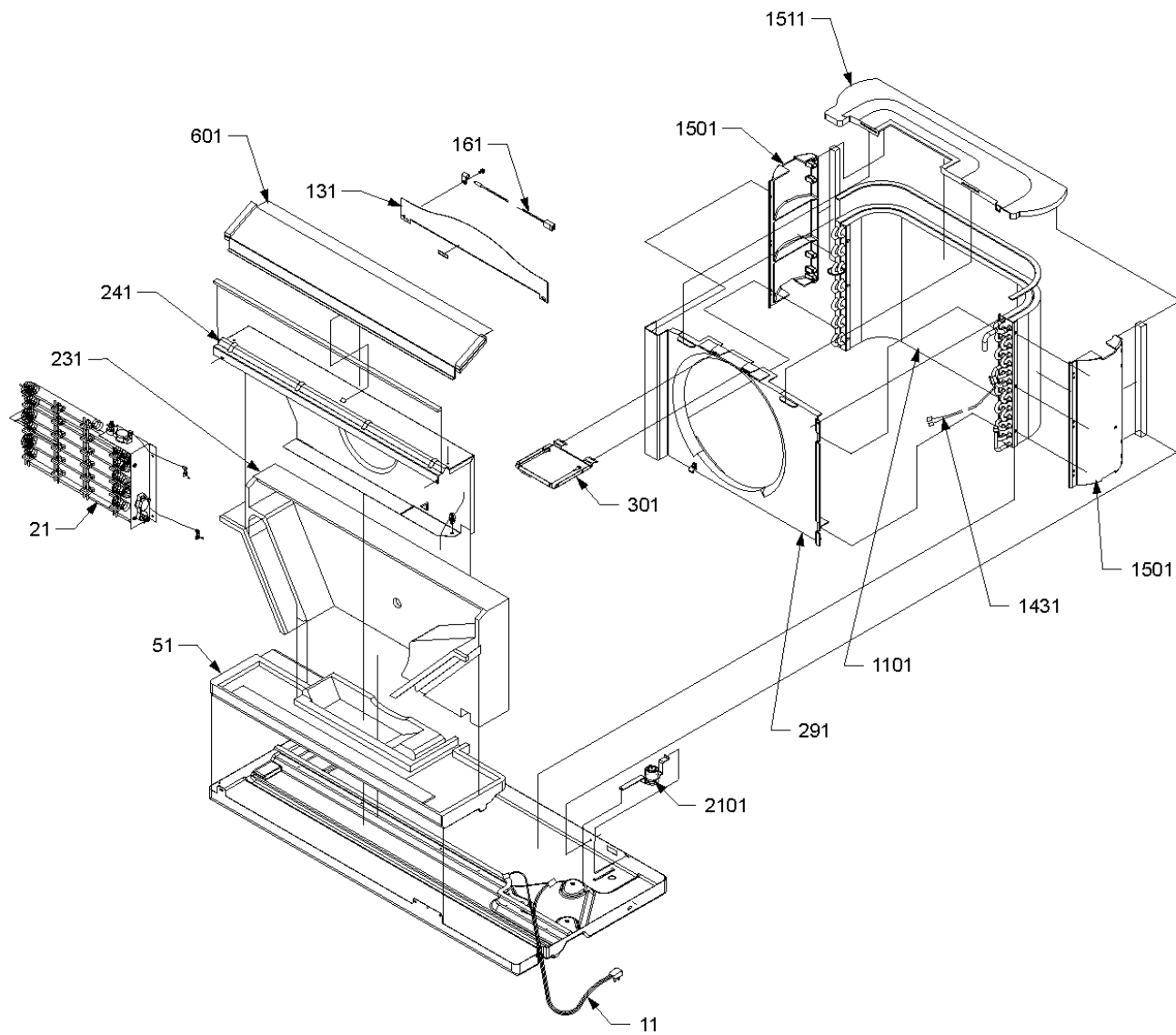
Chassis/Control Panel



Chassis/Control Panel

Ref. Part No:	No:	Description:	Ref. Part No:	No:	Description:
<i>Image 1:</i>			<i>Image 1:</i>		
11	11166301	POWER VENT BRACKET (M16, M20, M21)	571	11191703	PARTITION PANEL BRACKET (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M22)
21	11166401	EXTENSION SPRING (M16, M20, M21)			
41	M0590702	SUPPORT (QTY 2)	851	11135801	FAN BRACKET RIGHT (M21)
61	C6476001	BAYONET FUSE HOLDER (M17)	861	11145801	FAN BRACKET LEFT (M21)
61	C6476002	BAYONET FUSE HOLDER (M18, M20)	871	11149201	MUFFIN FAN (M21)
61	C6476003	BAYONET FUSE HOLDER (M14)	921	11166101	POWER VENT MOTOR BRACKET (M16, M20, M21)
71	A3410402	FUSE 15A (M17)	931	11172801	POWER VENT MOTOR (M16, M20, M21)
71	A3410403	FUSE 20A (M18, M20)	941	11166201	POWER VENT COVER BRACKET (M16, M20, M21)
71	A3410404	FUSE 25A (M14)	1051	20410801	ACCESS COVER
191	11172101	TRANSFORMER (M20)	1221	RSKP0010	CONTROL BOARD, M61 WIRELESS KIT
191	B1378501	TRANSFORMER (M7, M11, M16, M21, M22)	1231	B1160701	TERMINAL BOARD (M16, M20, M21)
241	0121P00041DG	PARTITION PANEL (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)	1401	0130P00046	THERMISTOR-INDOOR AMBIENT
251	20403301	MID PARTITION PANEL	1411	20295707	THERMISTOR-INDOOR COIL
261	0131P00002S	FAN MOTOR 100 W, 2 SP, 6 PL (M8, M9, M10, M12, M13, M21)	Expanded Model Nomenclature		
261	0131P00003S	FAN MOTOR 100 W, 2 SP, 6 PL (M7, M11, M14, M22)	M1 - PTC073B25AUBM		
261	0131P00000S	FAN MOTOR 40 W, 2 SP, 8 PL (M1, M2, M3, M4, M5, M6, M15, M16, M19)	M2 - PTC073B35AUBM		
261	0131P00001S	FAN MOTOR 40 W, 2 SP, 8 PL (M17, M18, M20)	M3 - PTC093B25AUBM		
281	20414601	CONDENSER FAN	M4 - PTC093B25CMBP		
291	B1337701	PADDLE SWITCH (M16, M20, M21)	M5 - PTC093B35AUBM		
301	C8873932	RELAY (POWER VENT) (M16, M20, M21)	M6 - PTC093B35RMBP		
311	11044101	BLOWER WHEEL	M7 - PTC105B00AMBM		
341	20512501	TRANSFORMER (M1, M2, M3, M4, M5, M6, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M8 - PTC123B15AMBP		
451	RSKP0005	CONTROL PANEL COVER AND MEMBRANE	M9 - PTC123B25CMBP		
491	CAP050150370RSS	CAPACITOR 5/15/370V (M1, M2, M4, M6, M15, M16, M19)	M10 - PTC123B35RMBP		
491	CAP050150440RSS	CAPACITOR 5/15/440V (M17, M18, M20)	M11 - PTC125B30CMBM		
491	CAP050300370RSS	CAPACITOR 5/30/370V (M3, M5, M8, M9, M10, M21)	M12 - PTC153B00CMBM		
491	CAP050350370RSS	CAPACITOR 5/35/370V (M7, M12, M13)	M13 - PTC153B15AMBM		
491	CAP050350440RSS	CAPACITOR 5/35/440V (M14)	M14 - PTC154B50CMBM		
491	CAP050500370RTS	CAPACITOR 5/50/370V (M11, M22)	M15 - PTH073B35CMBM		
501	C6300502	CAPACITOR STRAP (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M15, M16, M17, M18, M19, M20, M21)	M16 - PTH073B35JMBM		
501	C6300503	CAPACITOR STRAP (M11, M14, M22)	M17 - PTH074B25CMBM		
511	11046302	LEVER ARM (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M17, M18, M19, M22)	M18 - PTH074B35CNBM		
521	11115401	CABLE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M17, M18, M19, M22)	M19 - PTH093B25CMBP		
531	20304003	PROTECTION SHIELD	M20 - PTH094B35JMBP		
541	11046105PDG	VENT DOOR	M21 - PTH123B50BMBP		
571	11191702	PARTITION PANEL BRACKET (M21)	M22 - PTH125B20AMBM		

Chassis/Heater



Chassis/Heater

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0130P00006S	CORD 250 VAC, 15A (LCDI) (M1, M3, M4, M8, M9, M12, M13, M19)
11	0130P00007S	CORD 250 VAC, 20A (LCDI) (M2, M5, M6, M10, M15, M16)
11	0130P00008	CORD 250 VAC, 30A (LCDI) (M21)
11	11114701	CORD 277 VAC, 20A (M17, M18, M20)
11	11114801	CORD 277 VAC, 30A (M14)
11	11114501	CORD-250V 20A (M7, M11, M22)
21	22312901	HEATER 3 1.5 KW ASSY (M8, M13)
21	22312902	HEATER 3 2.5 KW ASSY (M1, M3, M4, M9, M19)
21	22312903	HEATER 3 3.5 KW ASSY (M2, M5, M6, M10, M15, M16)
21	22312904	HEATER 3 5.0 KW ASSY (M21)
21	22312906	HEATER 4 2.5 KW ASSY (M17, M22)
21	22312907	HEATER 4 3.7 KW ASSY (M11, M18, M20)
21	22312908	HEATER 4 5.0 KW ASSY (M14)
51	B20403802	EVAPORATOR PAD
131	20515301	EXTERNAL BLOWER INTAKE
161	0130P00038	THERMISTOR-DISCHARGE
231	B20356703	BLOWER SCROLL
241	20364804	BLOWER INTAKE
291	20401301	CONDENSER SHROUD
301	11044201PDG	TIE BRACE
601	11123911	DISCHARGE SCREEN
1101	0201P00021DGS	TUBING ASSY, COND COIL (M4, M15, M17, M18, M19)
1101	0201P00022DGS	TUBING ASSY, COND COIL (M9, M11, M12, M14)
1101	0201P00056 BND	TUBING ASSY, COND COIL (M3, M5)
1101	20456602S	TUBING ASSY, COND COIL (M7, M8, M10, M13)
1101	20456603S	TUBING ASSY, COND COIL (M6, M16, M20)
1101	20456604S	TUBING ASSY, COND COIL (M21)
1101	20456605S	TUBING ASSY, COND COIL (M22)
1101	20466202QS	TUBING ASSY, COND COIL (M1, M2)
1431	20295709	THERMISTOR-HEAT PUMP (M15, M16, M17, M18, M19, M20, M21, M22)
1501	20357001	CONDENSER SIDE COVER (QTY 2)
1511	20396701	CONDENSER TOP COVER
2101	20406303	BASE PAN VALVE (M6, M10, M15, M16, M17, M18, M19, M20, M21, M22)

Expanded Model Nomenclature

M1 - PTC073B25AUBM
M2 - PTC073B35AUBM
M3 - PTC093B25AUBM
M4 - PTC093B25CMBP
M5 - PTC093B35AUBM
M6 - PTC093B35RMBP
M7 - PTC105B00AMBM
M8 - PTC123B15AMBP
M9 - PTC123B25CMBP
M10 - PTC123B35RMBP
M11 - PTC125B30CMBM
M12 - PTC153B00CMBM
M13 - PTC153B15AMBM
M14 - PTC154B50CMBM
M15 - PTH073B35CMBM
M16 - PTH073B35JMBM
M17 - PTH074B25CMBM
M18 - PTH074B35CNBM
M19 - PTH093B25CMBP
M20 - PTH094B35JMBP
M21 - PTH123B50BMBP
M22 - PTH125B20AMBM

