

PTC123 - 124J Package Terminal Air Conditioner

PTC123J00AXXXAA
PTC123J00HVXXAA
PTC123J00HXXAA
PTC123J25AXXXAA
PTC123J35AXXXAA
PTC123J35VXXAA
PTC123J50AXXXAA
PTC123J50VXXAA
PTC124J00HXXAA
PTC124J25AXXXAA
PTC124J25VXXAA
PTC124J35AXXXAA
PTC124J35VXXAA
PTC124J50AXXXAA



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This manual is to be used by qualified technicians only.

Important Information

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

4-22-25 Updated the model listing from December 2022. Models started as M11 instead of M1.

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

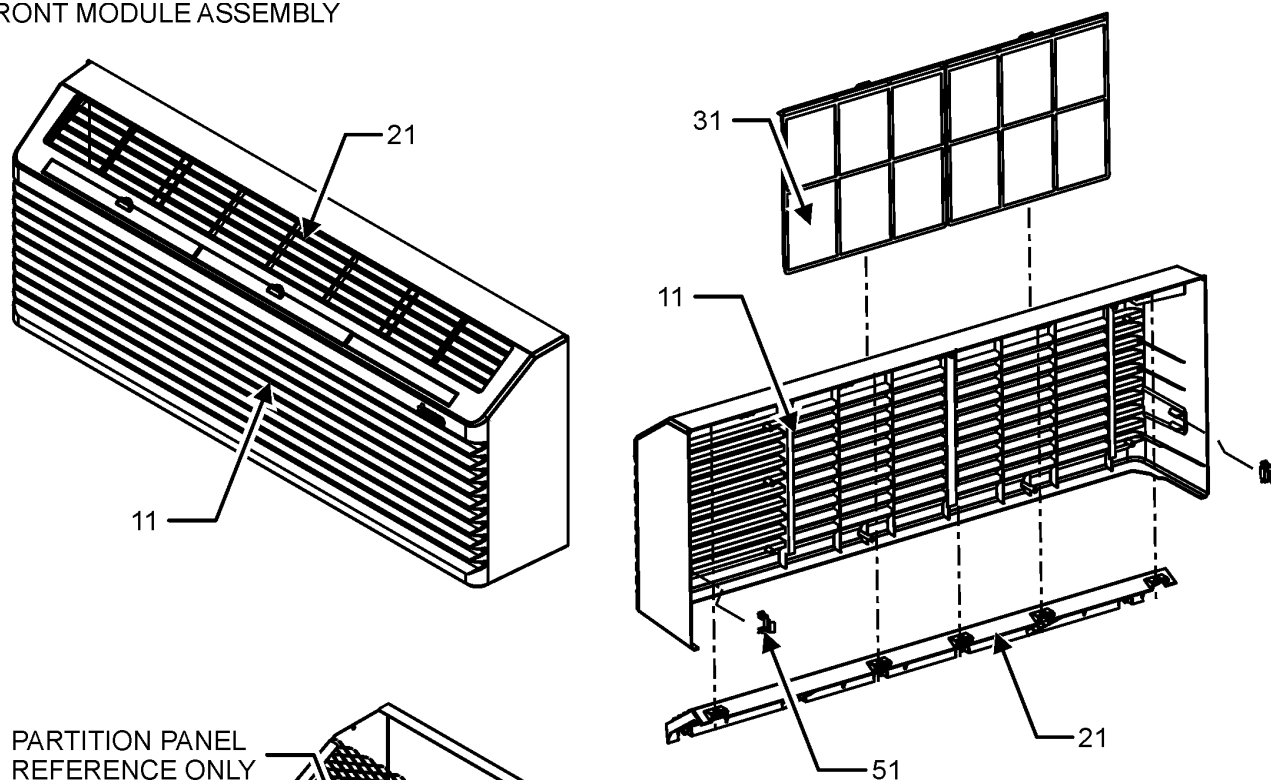
Part

No: Description:

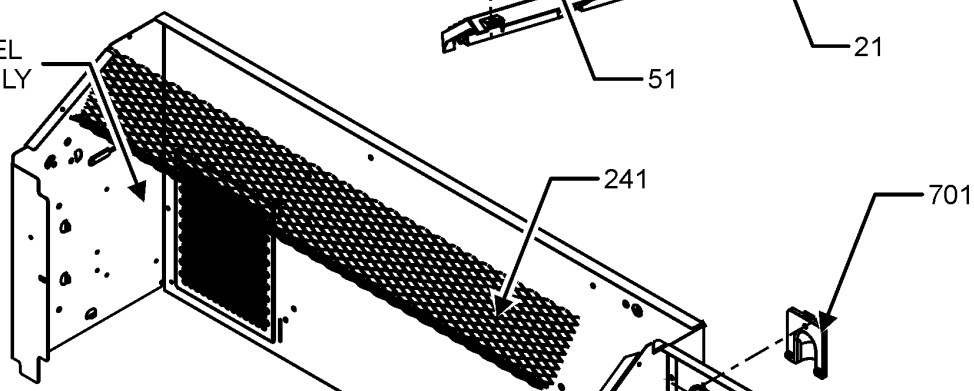
		Expanded Model Nomenclature
CAP020300450CS	CAP, 2/30 MFD/450V/DUAL RD (M9, M10, M11, M12, M13, M14)	M1 - PTC123J00AXXXAA
CAP020000440RP	CAPACITOR (M1, M4, M5, M6, M7, M8)	M2 - PTC123J00HVXXAA
CAP010000500RP	CAPACITOR (M10, M11, M12, M13)	M3 - PTC123J00HXXXAA
CAP015000500RP	CAPACITOR (M14)	M4 - PTC123J25AXXXAA
CAP030300450CS	CAPACITOR, 500V (M1, M2, M3, M4, M5, M6, M7, M8)	M5 - PTC123J35AXXXAA
44W287GK&JELD	Compressor-R32 (M9, M10, M11, M12, M13, M14)	M6 - PTC123J35VXXXAA
44X2H2KK&FELC	Compressor-R32 (M1, M2, M3, M4, M5, M6, M7, M8)	M7 - PTC123J50AXXXAA
0130P00177	CORD, 250 VAC, 20A (LCDI (M5, M6)	M8 - PTC123J50VXXXAA
0130P00184	CORD, 250VAC, 15A, (LCDI (M1, M2, M3, M4)	M9 - PTC124J00HXXXAA
0130P00178	CORD, 277V, 20A (M9, M10, M11, M12, M13)	M10 - PTC124J25AXXXAA
0130P00186	CORD, 277V, 30A (M14)	M11 - PTC124J25VXXXAA
0130P00185	CORD,250VAC,30A (LCDI) (M7, M8)	M12 - PTC124J35AXXXAA
0161P00140	COVER WIRE	M13 - PTC124J35VXXXAA
0161P00055	FAN CONDENSER	M14 - PTC124J50AXXXAA
3P263839-1	FERRITE CORE	
A3410402	FUSE-15A - BLUE (M9, M10, M11)	
A3410403	FUSE-20A - ORANGE (M12, M13)	
A3410404	FUSE-25A - GREEN (M14)	
0275P00087	Heater 230 v-3.5 KW (M5, M6)	
0275P00089	Heater 230 v-5 KW (M7, M8)	
0275P00088	Heater 265 v-3.5 KW (M12, M13)	
0275P00090	Heater 265 v-5 KW (M14)	
0275P00019	HEATER ASSY (M4)	
0275P00023	HEATER ASSY (M10, M11)	
0130P00187	HUMIDITY SENSOR (M2, M6, M8, M11, M13)	
0131P00062	INDOOR MOTOR DC (M2, M3, M9)	
0131P00061	INDOOR MOTOR-PSC (M7, M8)	
0131P00071	INDOOR MOTOR-PSC (M14)	
0131P00060	INDOOR MOTOR-PSC (M1, M4, M5, M6)	
0131P00070	INDOOR MOTOR-PSC (M10, M11, M12, M13)	
PCBCP160	M90 Board Tier 1 (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)	
PCBCP170	M90 Board Tier 2 (M2, M3, M9)	
0130P00137	MOTOR (M2, M6, M8, M11, M13)	
0131P00085	OUTDOOR MOTOR, DC (M9)	
0131P00067	OUTDOOR MOTOR-PSC (M10, M11, M12, M13, M14)	
0131P00066	OUTDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M8)	
0130M00735	SWITCH HIGH PRESSURE	
0130P00167	THERMISTOR INDOOR	
0130P00188	THERMISTOR OUT 5MM	
0130M00726	Transformer 20VA 240/208V (M1, M2, M3, M4, M5, M6, M7, M8)	
0130M00728	TRANSFORMER 20VA 277V (M9, M10, M11, M12, M13, M14)	
0130M00727	Transformer 40VA 240/208V (M2, M3, M6, M8)	
0130M00729	TRANSFORMER 40VA 277V (M9, M11, M13)	

FRONT MODULE AND CONTROL PANEL ASSEMBLY

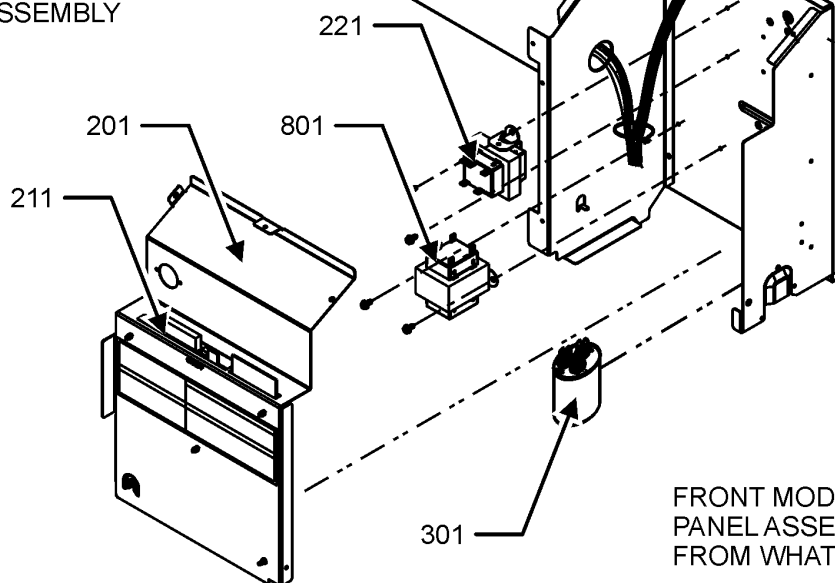
FRONT MODULE ASSEMBLY



PARTITION PANEL
REFERENCE ONLY



CONTROL PANEL ASSEMBLY



FRONT MODULE AND CONTROL
PANEL ASSEMBLY MAY DIFFER
FROM WHAT IS SHOWN

FRONT MODULE AND CONTROL PANEL ASSEMBLY

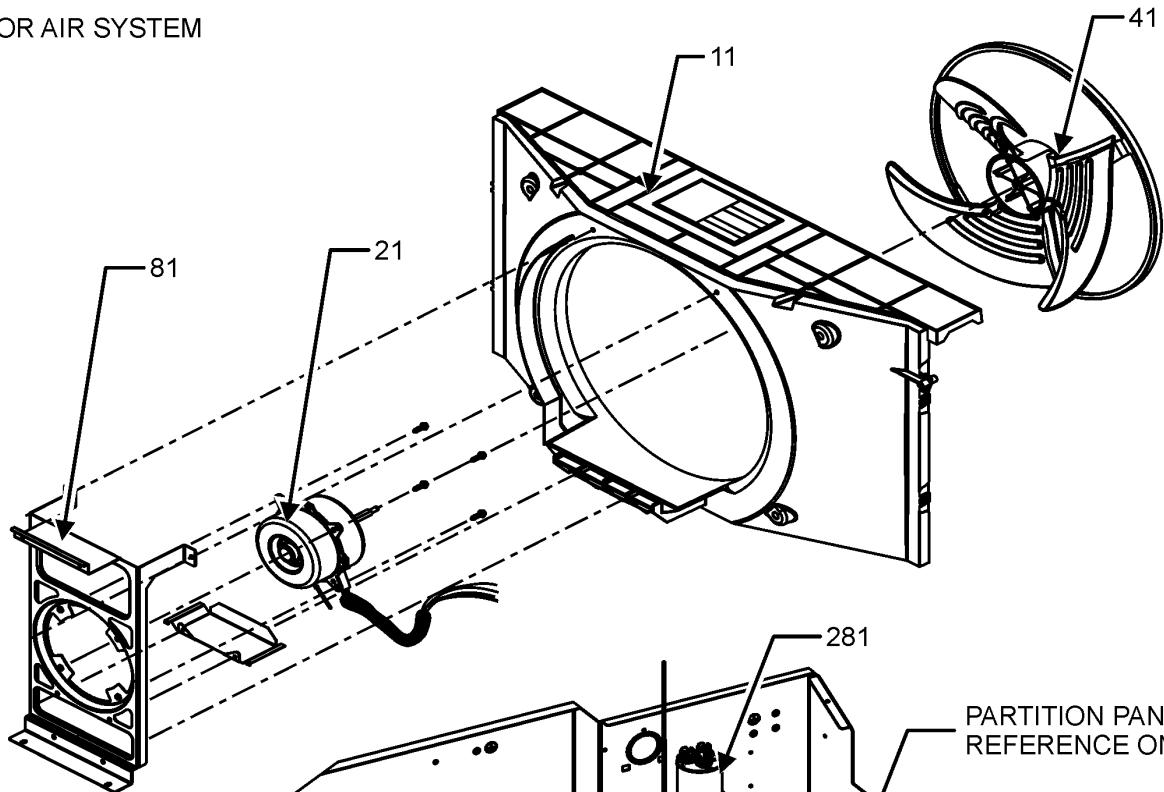
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Image 1:			
11	0261P00033		FRONT ASSY (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
21	0161P00132		LOUVERED FRONT DISCHARGE (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
31	0161P00148		FILTER RACK (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
51	0163P00025		CLIP (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
201	0121P00431		CONTROL BOX PANEL
211	PCBCP160		M90 Board Tier 1 (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
211	PCBCP170		M90 Board Tier 2 (M2, M3, M9)
221	0130M00726		Transformer 20VA 240/208V (M1, M2, M3, M4, M5, M6, M7, M8)
221	0130M00728		TRANSFORMER 20VA 277V (M9, M10, M11, M12, M13, M14)
241	0121P00194BL		SCREEN DISCHARGE PAINTED (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
301	CAP020300450CS		CAP, 2/30 MFD/450V/DUAL RD (M9, M10, M11, M12, M13, M14)
301	CAP030300450CS		CAPACITOR, 500V (M1, M2, M3, M4, M5, M6, M7, M8)
701	0161P00140		COVER WIRE
721	3P263839-1		FERRITE CORE
801	0130M00727		Transformer 40VA 240/208V (M2, M3, M6, M8)
801	0130M00729		TRANSFORMER 40VA 277V (M9, M11, M13)
NS	A3410402		FUSE-15A - BLUE (M9, M10, M11)
NS	A3410403		FUSE-20A - ORANGE (M12, M13)
NS	A3410404		FUSE-25A - GREEN (M14)
NS	C6476001		HOLDER-BAYONET FUSE - BLUE (M9, M10, M11)
NS	C6476003		HOLDER-BAYONET FUSE - GREEN (M14)
NS	C6476002		HOLDER-BAYONET FUSE - ORANGE (M12, M13)
NS	0259P00043		WIRE HARNESS KIT

Expanded Model Nomenclature

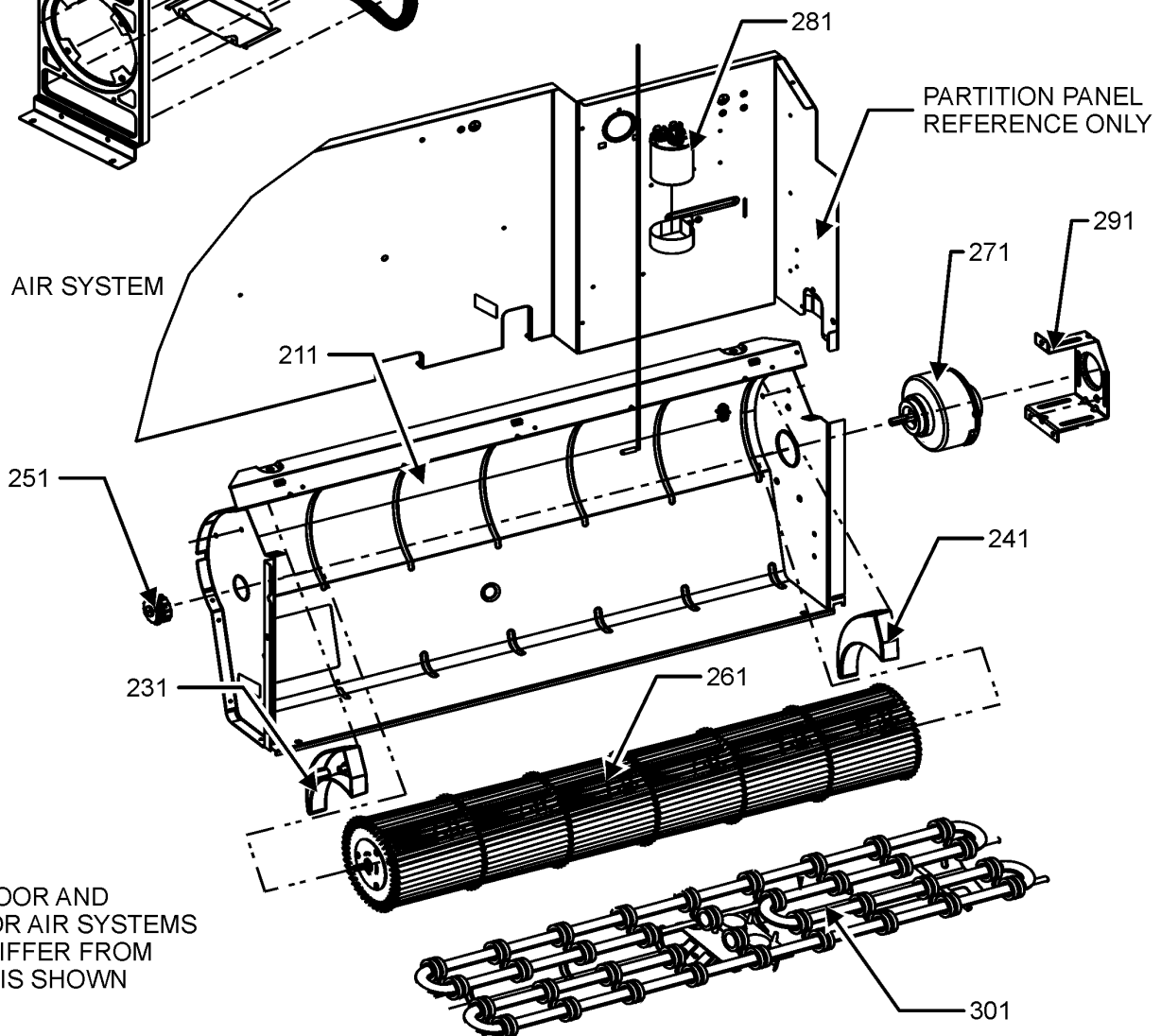
M1 - PTC123J00AXXXAA
M2 - PTC123J00HVXXAA
M3 - PTC123J00HXXXAA
M4 - PTC123J25AXXXAA
M5 - PTC123J35AXXXAA
M6 - PTC123J35VXXXAA
M7 - PTC123J50AXXXAA
M8 - PTC123J50VXXXAA
M9 - PTC124J00HXXXAA
M10 - PTC124J25AXXXAA
M11 - PTC124J25VXXXAA
M12 - PTC124J35AXXXAA
M13 - PTC124J35VXXXAA
M14 - PTC124J50AXXXAA

OUTDOOR AND INDOOR AIR SYSTEM

OUTDOOR AIR SYSTEM



INDOOR AIR SYSTEM



OUTDOOR AND
INDOOR AIR SYSTEMS
MAY DIFFER FROM
WHAT IS SHOWN

OUTDOOR AND INDOOR AIR SYSTEM

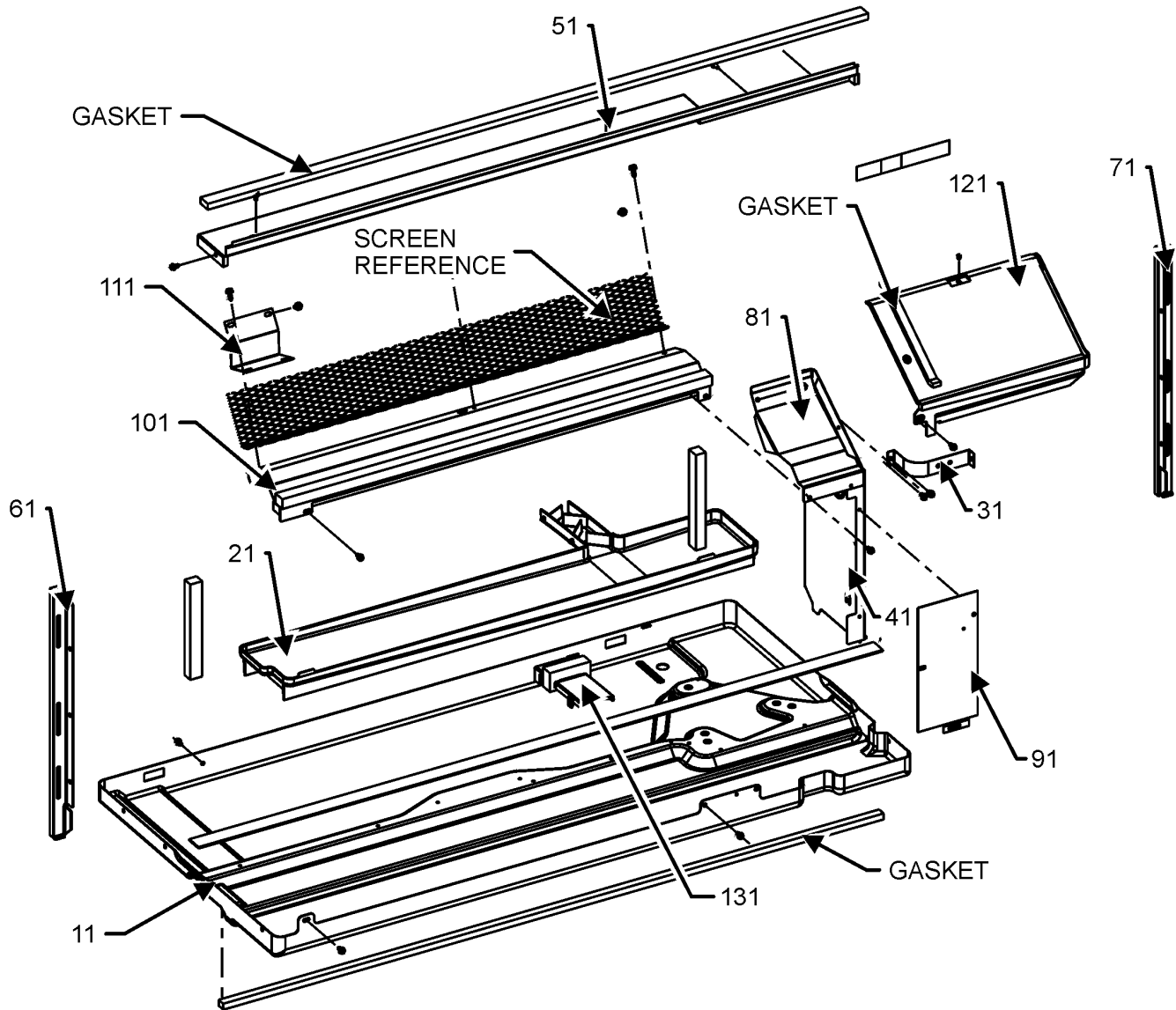
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Image 1:			
11	0261P00034		ASY CONDENSER SHROUD
21	0131P00085		OUTDOOR MOTOR, DC (M9)
21	0131P00066		OUTDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M8)
21	0131P00067		OUTDOOR MOTOR-PSC (M10, M11, M12, M13, M14)
41	0161P00055		FAN CONDENSER
81	0121P00350		MOTOR BRACKET, SHROUD
211	0270P01642		SCROLL ASSY
231	0161P00153		PTAC END CAP LEFT
241	0161P00152		END CAP RIGHT
251	0163P00027		BEARING
261	0150P00005		WHEEL BLOWER
271	0131P00062		INDOOR MOTOR DC (M2, M3, M9)
271	0131P00060		INDOOR MOTOR-PSC (M1, M4, M5, M6)
271	0131P00061		INDOOR MOTOR-PSC (M7, M8)
271	0131P00070		INDOOR MOTOR-PSC (M10, M11, M12, M13)
271	0131P00071		INDOOR MOTOR-PSC (M14)
281	CAP010000500RP		CAPACITOR (M10, M11, M12, M13)
281	CAP015000500RP		CAPACITOR (M14)
281	CAP020000440RP		CAPACITOR (M1, M4, M5, M6, M7, M8)
291	0121P00048		BRACKET MOTOR MOUNT
301	0275P00087		Heater 230 v -3.5 KW (M5, M6)
301	0275P00089		Heater 230 v -5 KW (M7, M8)
301	0275P00088		Heater 265 v -3.5 KW (M12, M13)
301	0275P00090		Heater 265 v -5 KW (M14)
301	0275P00019		HEATER ASSY (M4)
301	0275P00023		HEATER ASSY (M10, M11)
NS	0163P00029		CAPACITOR CLAMP (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
NS	0130P00177		CORD, 250 VAC, 20A (LCDI (M5, M6)
NS	0130P00184		CORD, 250VAC, 15A, (LCDI (M1, M2, M3, M4)
NS	0130P00178		CORD, 277V, 20A (M9, M10, M11, M12, M13)
NS	0130P00186		CORD, 277V, 30A (M14)
NS	0130P00185		CORD, 250VAC, 30A (LCDI) (M7, M8)
NS	0163P00052		THERMISTOR CLAMP

Expanded Model Nomenclature

M1 - PTC123J00AXXXAA
M2 - PTC123J00HVXXAA
M3 - PTC123J00HXXXAA
M4 - PTC123J25AXXXAA
M5 - PTC123J35AXXXAA
M6 - PTC123J35VXXXAA
M7 - PTC123J50AXXXAA
M8 - PTC123J50VXXXAA
M9 - PTC124J00HXXXAA
M10 - PTC124J25AXXXAA
M11 - PTC124J25VXXXAA
M12 - PTC124J35AXXXAA
M13 - PTC124J35VXXXAA
M14 - PTC124J50AXXXAA

BASE PAN ASSEMBLY

BASE PAN ASSEMBLY



BASE PAN ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

BASE PAN ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

11	0121P00284DG	BASE PAN PAINTED
21	0161P00154	PLASTIC- DRAIN PAN
31	C6300502	STAP CAP CO PTC
41	0121P00432	PANEL MID PRT
51	0121P00376	TOP PARTITION PNT
61	0121P00379	SEAL L SIDE PTC
71	0121P00380	SEAL R SIDE PTC
81	0121P00371DG	PAINTED COVER MOTOR
91	0121P00374	COVER ACCESS
101	0121P00377DG	CUTOFF SCROLL DG
111	0121P00233	LEFT SIDE SCRILL BLOCKOFF
121	0161P00142	SPLASH GUARD
131	0161P00147	COVER DRAIN PAN

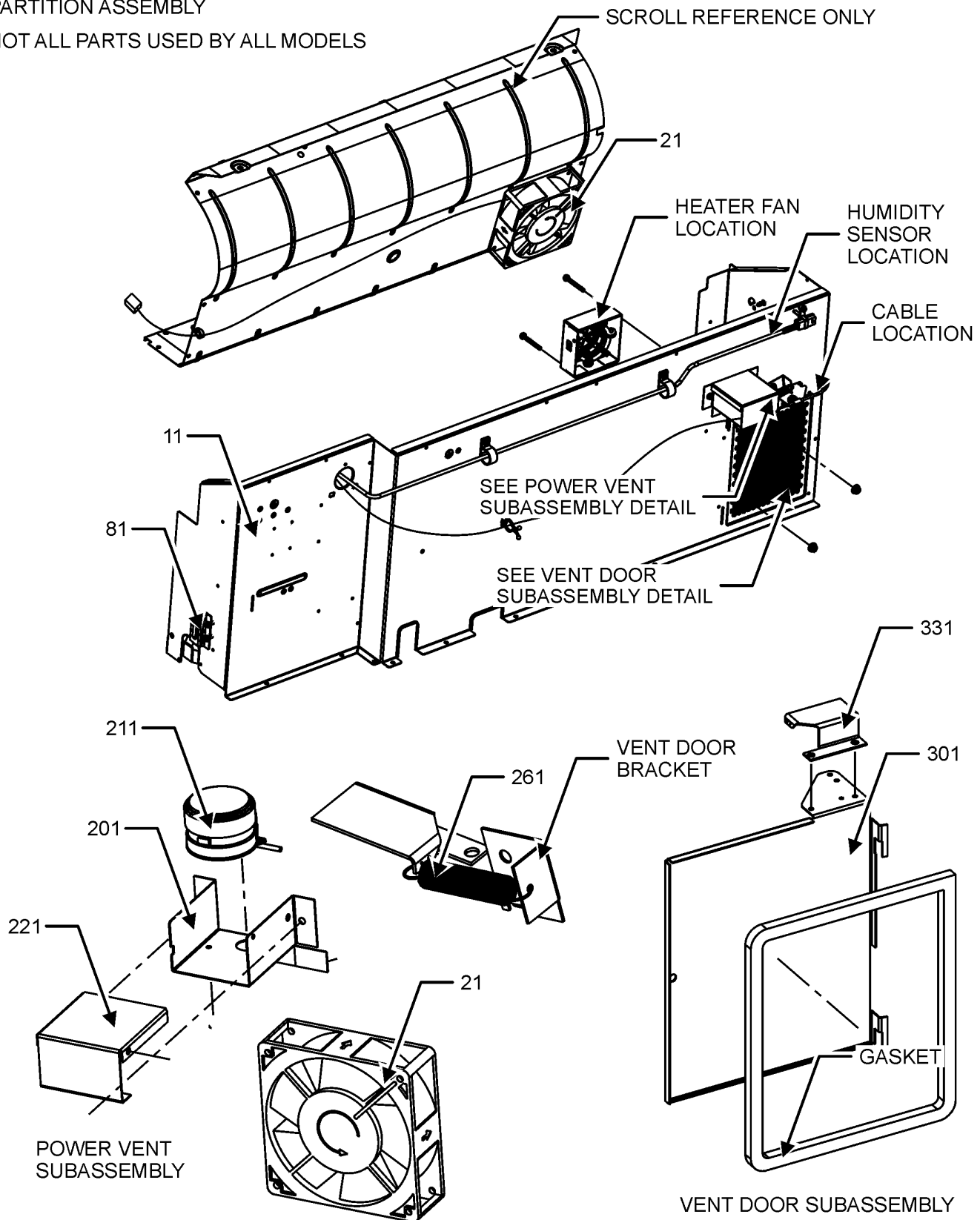
Expanded Model Nomenclature

M1 - PTC123J00AXXXAA
 M2 - PTC123J00HVXXAA
 M3 - PTC123J00HXXXAA
 M4 - PTC123J25AXXXAA
 M5 - PTC123J35AXXXAA
 M6 - PTC123J35VXXAA
 M7 - PTC123J50AXXXAA
 M8 - PTC123J50VXXAA
 M9 - PTC124J00HXXXAA
 M10 - PTC124J25AXXXAA
 M11 - PTC124J25VXXAA
 M12 - PTC124J35AXXXAA
 M13 - PTC124J35VXXAA
 M14 - PTC124J50AXXXAA

PARTITION ASSEMBLY

PARTITION ASSEMBLY

NOT ALL PARTS USED BY ALL MODELS



PARTITION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

PARTITION ASSEMBLY

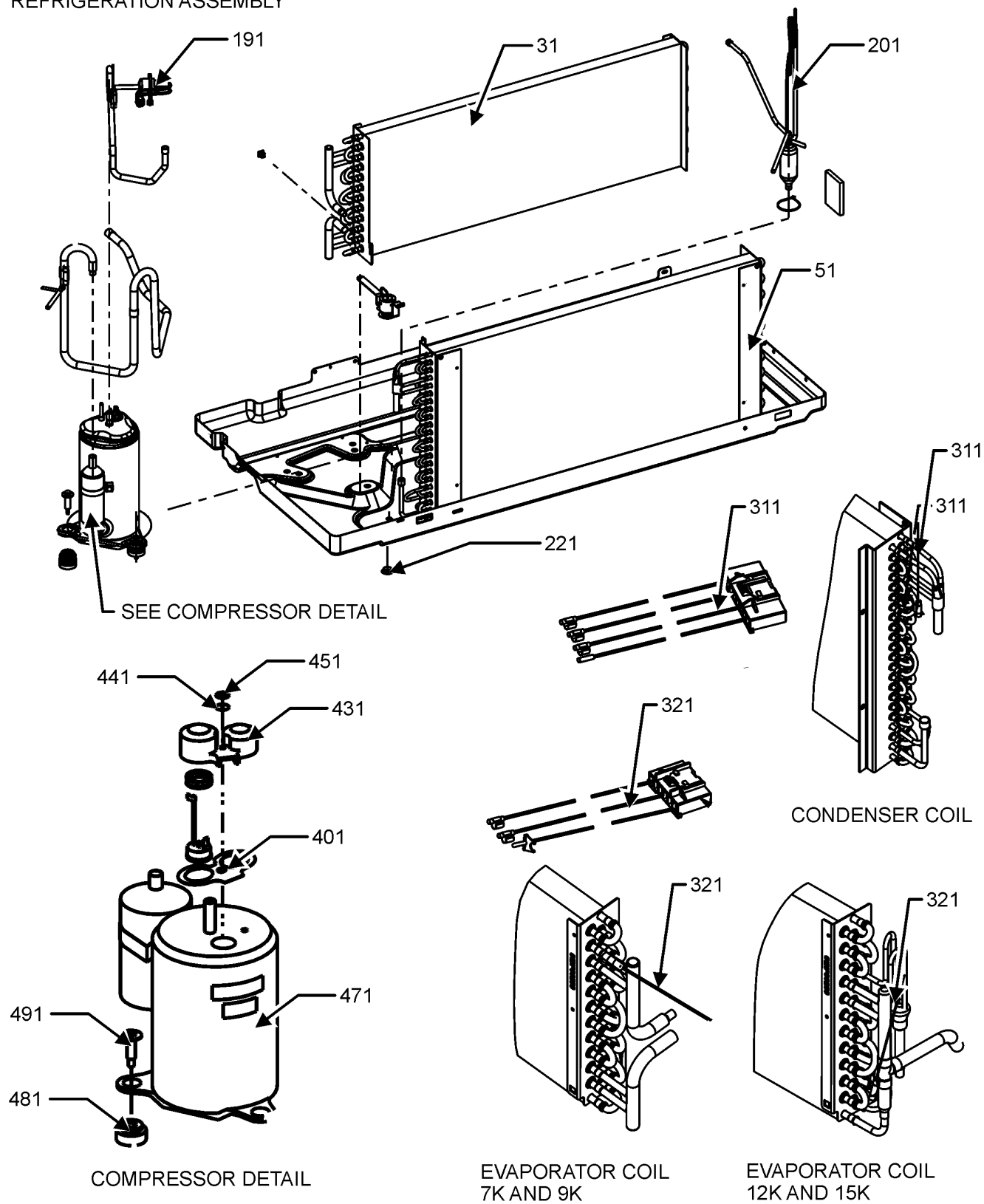
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00360		PANEL PARTITION
21	0131P00081		FAN MUFFIN (M2, M6, M8, M11, M13)
81	11191703		BRKT-PART PAN (M1, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14)
201	11166101		BRKT-MOTOR PTC (M2, M6, M8, M11, M13)
211	0130P00137		MOTOR (M2, M6, M8, M11, M13)
221	11166201		BRKT-COVER PTC (M2, M6, M8, M11, M13)
261	11166401		SPRING-EXTENSION (M2, M6, M8, M11, M13)
301	0121P00177		DOOR PNT VENT PTC
331	0121P00180		BRKT POWER VENT (M2, M6, M8, M11, M13)
NS	0121P00072		BRACKET, VENT DOOR (M1, M3, M4, M5, M7, M9, M10, M12, M14)
NS	0121P00079		BRACKET, VENT DOOR (M2, M6, M8, M11, M13)
NS	0163P00019		CABLE (M1, M3, M4, M5, M7, M9, M10, M12, M14)
NS	0130P00187		HUMIDITY SENSOR (M2, M6, M8, M11, M13)
NS	11046302		LEVER ARM PTC (M1, M3, M4, M5, M7, M9, M10, M12, M14)
NS	0259P00039		WIRE HARNESS (M2, M6, M8, M11, M13)

Expanded Model Nomenclature

M1 - PTC123J00AXXXAA
M2 - PTC123J00HVXXAA
M3 - PTC123J00HXXXAA
M4 - PTC123J25AXXXAA
M5 - PTC123J35AXXXAA
M6 - PTC123J35VXXXAA
M7 - PTC123J50AXXXAA
M8 - PTC123J50VXXXAA
M9 - PTC124J00HXXXAA
M10 - PTC124J25AXXXAA
M11 - PTC124J25VXXXAA
M12 - PTC124J35AXXXAA
M13 - PTC124J35VXXXAA
M14 - PTC124J50AXXXAA

REFRIGERATION ASSEMBLY

REFRIGERATION ASSEMBLY



REFRIGERATION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

REFRIGERATION ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

31	0202P00115	7MM EVAP ASSY 2ROW
51	0201P00164	ASSY 5MM CONDENSER COIL
191	0130M00735	SWITCH HIGH PRESSURE
201	0210P00589	CAPILLARY WELDMENT (M1, M2, M3, M4, M5, M6, M7, M8)
201	0210P00734	CAPILLARY WELDMENT (M9, M10, M11, M12, M13, M14)
221	M0570805	PLUG BUTTON
311	0130P00188	THERMISTOR OUT 5MM
321	0130P00167	THERMISTOR INDOOR
401	60100107	TERMINAL COVER GASKET (M1, M2, M3, M4, M5, M6, M7, M8)
431	60100317	TERMINAL COVER
441	60100201	WASHER - RECHI COMPRESSOR
451	60100401	TERMINAL NUT - RECHI COMP
471	44W287GK&JELD	Compressor-R32 (M9, M10, M11, M12, M13, M14)
471	44X2H2KK&FELC	Compressor-R32 (M1, M2, M3, M4, M5, M6, M7, M8)
481	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
491	0163M00079	SCREW SHOULDER (QTY 3)
NS	0259P00036	WIRE HARNESS

Expanded Model Nomenclature

M1 - PTC123J00AXXXAA
M2 - PTC123J00HVXXAA
M3 - PTC123J00HXXXAA
M4 - PTC123J25AXXXAA
M5 - PTC123J35AXXXAA
M6 - PTC123J35VXXXAA
M7 - PTC123J50AXXXAA
M8 - PTC123J50VXXXAA
M9 - PTC124J00HXXXAA
M10 - PTC124J25AXXXAA
M11 - PTC124J25VXXXAA
M12 - PTC124J35AXXXAA
M13 - PTC124J35VXXXAA
M14 - PTC124J50AXXXAA