

PTH093 - 094K Package Terminal Heat Pump

PTH093K15AXXXAA
PTH093K15CDXXAA
PTH093K25AXXXAA
PTH093K25CXXXAA
PTH093K25VXXXAA
PTH093K35AXXXAA
PTH093K35CXXXAA
PTH093K35PXXXAA
PTH093K35VXXXAA
PTH093K50AXXXAA
PTH093K50CXXXAA
PTH093K50VXXXAA
PTH094K25AXXXAA
PTH094K25CXXXAA
PTH094K35AXXXAA
PTH094K35CXXXAA
PTH094K35VXXXAA
PTH094K50AXXXAA



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This manual is to be used by qualified technicians only.

Important Information

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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

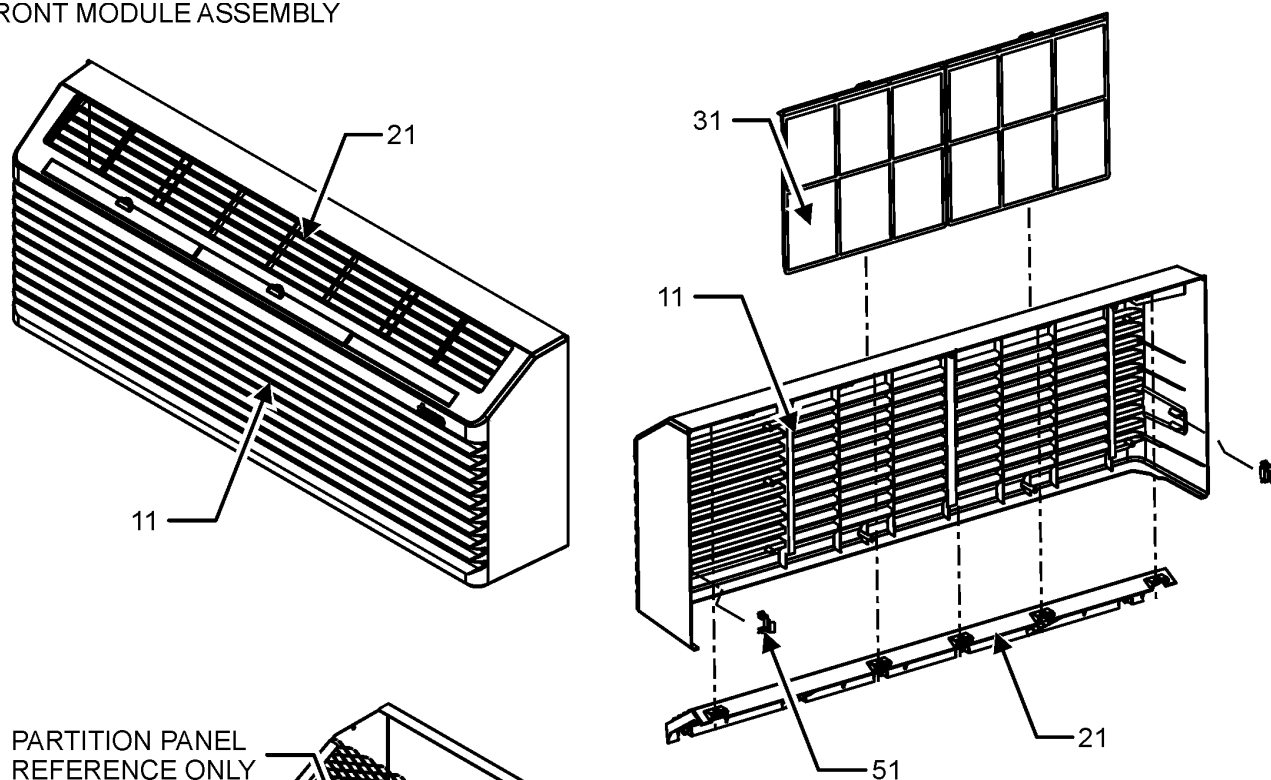
Part

No: Description:

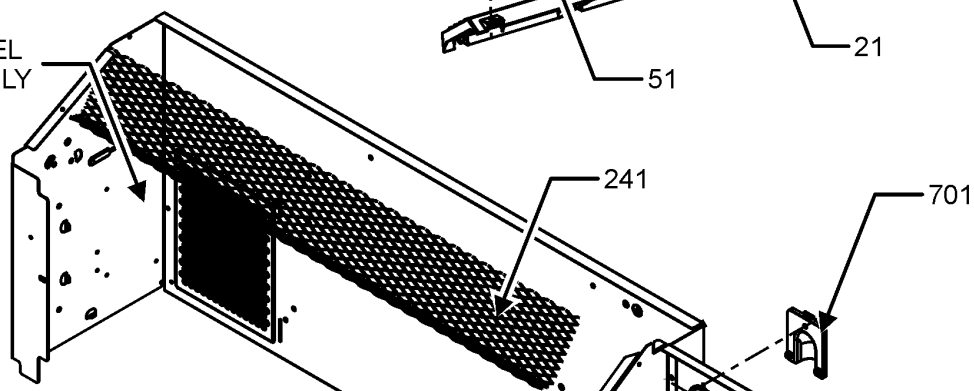
CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD (M13, M14, M15, M16, M17, M18)	0130M00728	TRANSFORMER 20VA 277V (M13, M14, M15, M16, M17, M18)
CAP020200450CS	CAP, 2/20 MFD/450V/DUAL RD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	0130M00727	Transformer 40VA 240/208V (M2, M5, M9, M12)
CAP010000500RP	CAPACITOR (M13, M14, M15, M16, M17)	0130M00729	TRANSFORMER 40VA 277V (M17)
CAP015000500RP	CAPACITOR (M18)	0151M00026	VALVE, CHECK
CAP020000440RP	CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	20406303	VALVE-BASEPAN
39B202AD&0JKZ	COMPRESSOR, RECHI (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	Expanded Model Nomenclature	
39B207GD&0JKB	Compressor-R410-A (M13, M14, M15, M16, M17, M18)	M1 - PTH093K15AXXXAA	
0130P00177	CORD, 250 VAC, 20A (LCDI (M6, M7, M8, M9)	M2 - PTH093K15CDXXAA	
0130P00184	CORD, 250VAC, 15A, (LCDI (M1, M2, M3, M4, M5)	M3 - PTH093K25AXXXAA	
0130P00178	CORD, 277V, 20A (M13, M14, M15, M16, M17)	M4 - PTH093K25CXXXAA	
0130P00186	CORD, 277V, 30A (M18)	M5 - PTH093K25VXXXAA	
0130P00185	CORD,250VAC,30A (LCDI) (M10, M11, M12)	M6 - PTH093K35AXXXAA	
0161P00140	COVER WIRE	M7 - PTH093K35CXXXAA	
0161P00055	FAN CONDENSER	M8 - PTH093K35PXXXAA	
3P263839-1	FERRITE CORE	M9 - PTH093K35VXXXAA	
A3410402	FUSE-15A - BLUE (M13, M14)	M10 - PTH093K50AXXXAA	
A3410403	FUSE-20A - ORANGE (M15, M16, M17)	M11 - PTH093K50CXXXAA	
0275P00087	Heater 230 v-3.5 KW (M6, M7, M8, M9)	M12 - PTH093K50VXXXAA	
0275P00089	Heater 230 v-5 KW (M10, M11, M12)	M13 - PTH094K25AXXXAA	
0275P00088	Heater 265 v-3.5 KW (M15, M16, M17)	M14 - PTH094K25CXXXAA	
0275P00090	Heater 265 v-5 KW (M18)	M15 - PTH094K35AXXXAA	
0275P00022	HEATER ASSY (M1, M2)	M16 - PTH094K35CXXXAA	
0275P00019	HEATER ASSY (M3, M4, M5)	M17 - PTH094K35VXXXAA	
0275P00023	HEATER ASSY (M13, M14)	M18 - PTH094K50AXXXAA	
0130P00187	HUMIDITY SENSOR (M2, M5, M9, M12, M17)		
0131P00071	INDOOR MOTOR-PSC (M18)		
0131P00070	INDOOR MOTOR-PSC (M13, M14, M15, M16, M17)		
0131P00061	INDOOR MOTOR-PSC (M10, M11, M12)		
0131P00060	INDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M8, M9)		
PCBCP160	M90 Board Tier 1 (M1, M2, M3, M4, M5, M6, M7, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)		
PCBCP170	M90 Board Tier 2 (M8)		
0130P00137	MOTOR (M2, M5, M9, M12, M17)		
0131P00085	OUTDOOR MOTOR, DC (M8)		
0131P00069	OUTDOOR MOTOR-PSC (M13, M14, M15, M16, M17, M18)		
0131P00068	OUTDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M9, M10, M11, M12)		
60345620A	OVERLOAD PROTECTOR-CLEAR PLUG (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)		
0151P00023	PTAC REVERSING VLV ASSY (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)		
0151P00024	PTAC REVERSING VLV ASSY (M13, M14, M15, M16, M17, M18)		
0130M00735	SWITCH HIGH PRESSURE		
0130P00167	THERMISTOR INDOOR		
0130P00167	THERMISTOR INDOOR		
0130P00173	THERMISTOR OUTDOOR 7MM		
0130M00726	Transformer 20VA 240/208V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)		

FRONT MODULE AND CONTROL PANEL ASSEMBLY

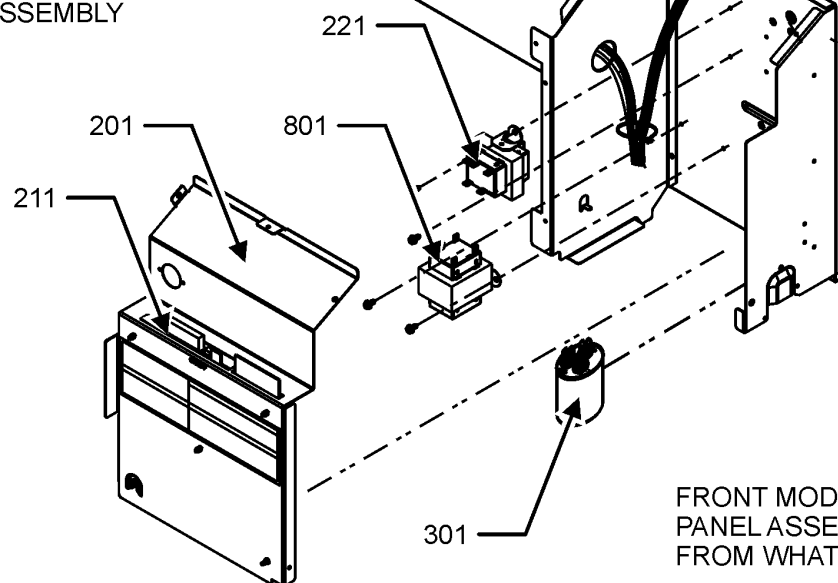
FRONT MODULE ASSEMBLY



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

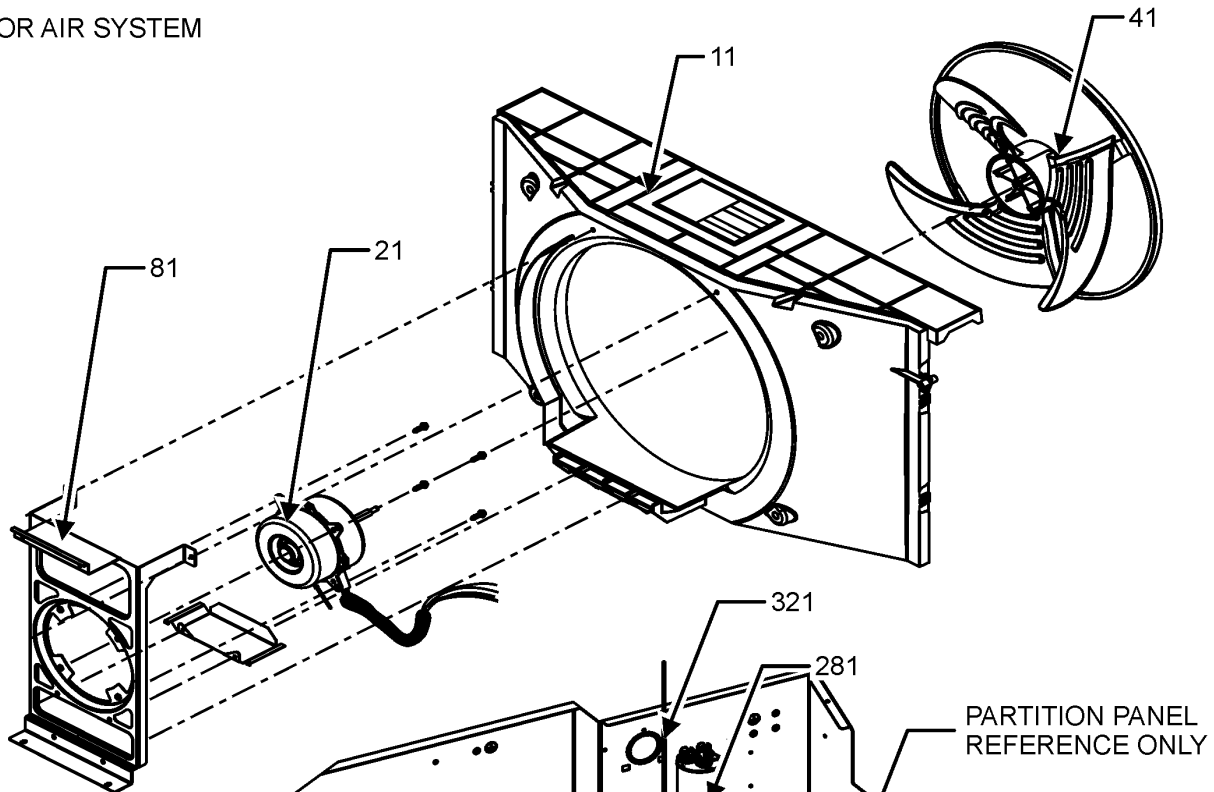
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0261P00033	FRONT ASSY	
21	0161P00132	LOUVERED FRONT DISCHARGE	
31	0161P00148	FILTER RACK (QTY 2)	
51	0163P00025	CLIP (QTY 2)	
201	0121P00431	CONTROL BOX PANEL	
211	PCBCP160	M90 Board Tier 1 (M1, M2, M3, M4, M5, M6, M7, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)	
211	PCBCP170	M90 Board Tier 2 (M8)	
221	0130M00726	Transformer 20VA 240/208V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
221	0130M00728	TRANSFORMER 20VA 277V (M13, M14, M15, M16, M17, M18)	
241	0121P00194BL	SCREEN DISCHARGE PAINTED	
301	CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD (M13, M14, M15, M16, M17, M18)	
301	CAP020200450CS	CAP, 2/20 MFD/450V/DUAL RD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
701	0161P00140	COVER WIRE	
721	3P263839-1	FERRITE CORE	
801	0130M00727	Transformer 40VA 240/208V (M2, M5, M9, M12)	
801	0130M00729	TRANSFORMER 40VA 277V (M17)	
NS	A3410402	FUSE-15A - BLUE (M13, M14)	
NS	A3410403	FUSE-20A - ORANGE (M15, M16, M17)	
NS	A3410404	FUSE-25A - GREEN (M18)	
NS	C6476001	HOLDER-BAYONET FUSE - BLUE (M13, M14)	
NS	C6476003	HOLDER-BAYONET FUSE - GREEN (M18)	
NS	C6476002	HOLDER-BAYONET FUSE - ORANGE (M15, M16, M17)	
NS	0259P00043	WIRE HARNESS KIT	

Expanded Model Nomenclature

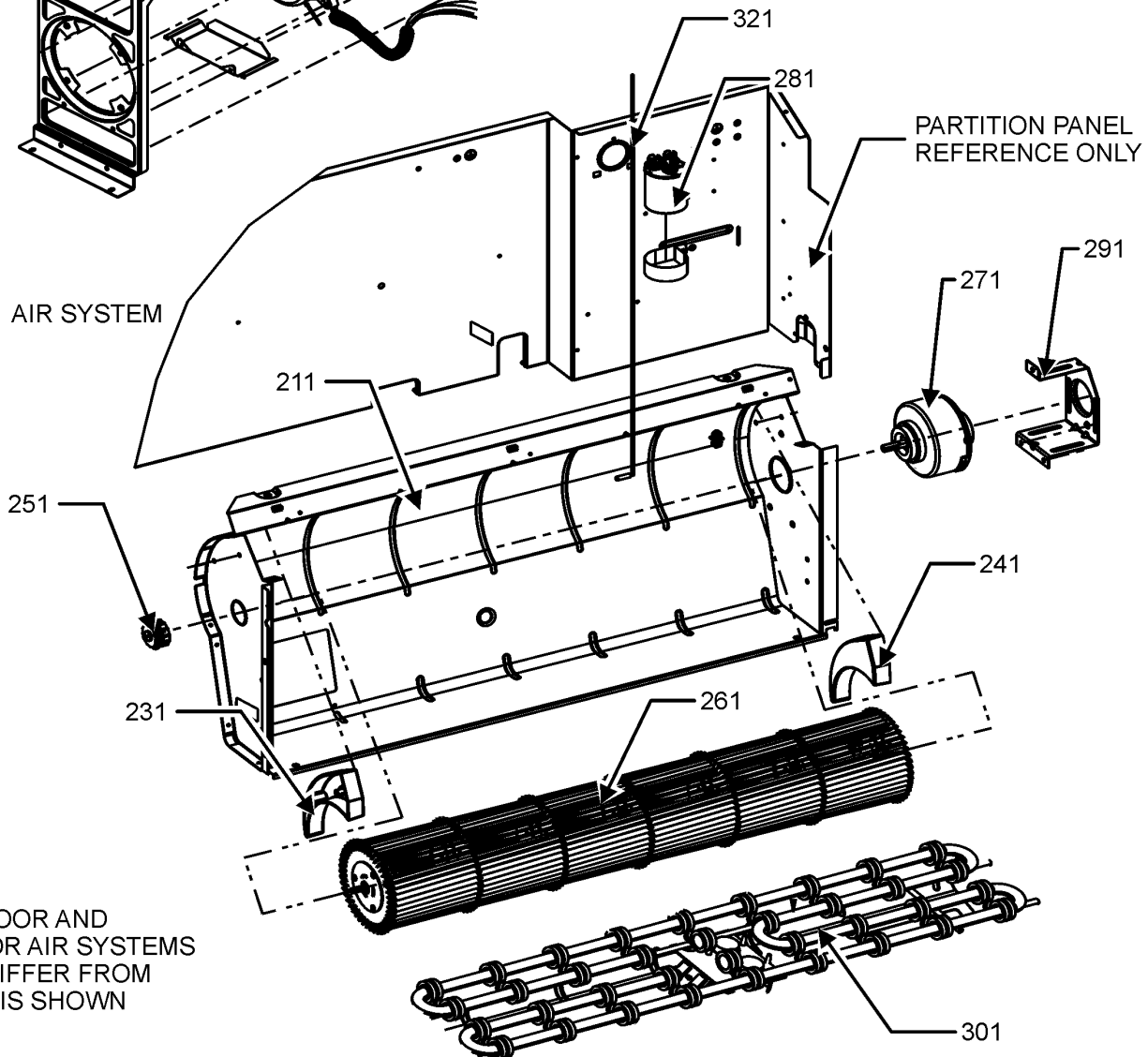
M1 - PTH093K15AXXXAA
M2 - PTH093K15CDXXAA
M3 - PTH093K25AXXXAA
M4 - PTH093K25CXXAA
M5 - PTH093K25VXXAA
M6 - PTH093K35AXXXAA
M7 - PTH093K35CXXAA
M8 - PTH093K35PXXAA
M9 - PTH093K35VXXAA
M10 - PTH093K50AXXXAA
M11 - PTH093K50CXXAA
M12 - PTH093K50VXXAA
M13 - PTH094K25AXXXAA
M14 - PTH094K25CXXAA
M15 - PTH094K35AXXXAA
M16 - PTH094K35CXXAA
M17 - PTH094K35VXXAA
M18 - PTH094K50AXXXAA

OUTDOOR AND INDOOR AIR SYSTEM

OUTDOOR AIR SYSTEM



INDOOR AIR SYSTEM



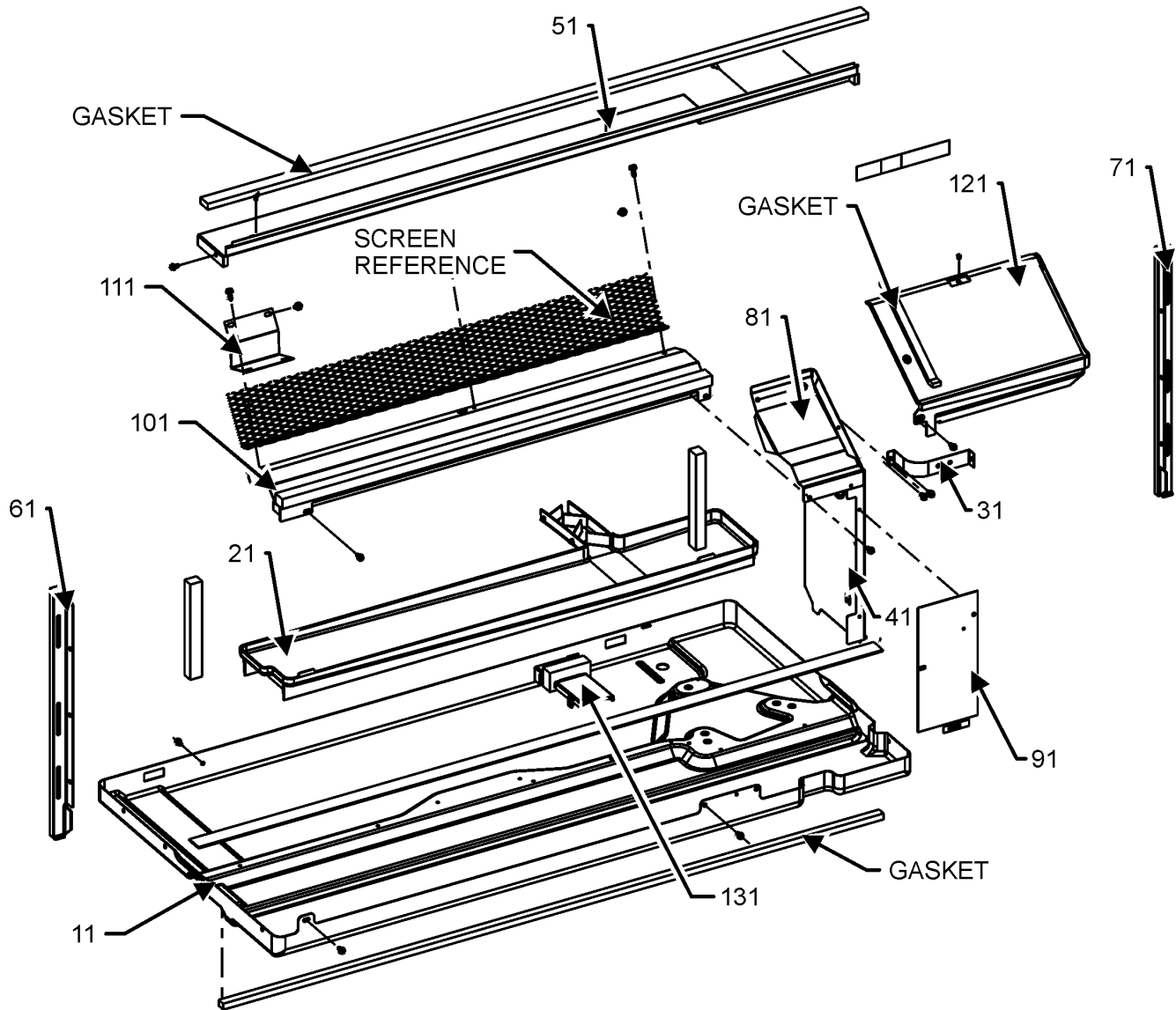
OUTDOOR AND
INDOOR AIR SYSTEMS
MAY DIFFER FROM
WHAT IS SHOWN

OUTDOOR AND INDOOR AIR SYSTEM

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0261P00034	ASY CONDENSER SHROUD	M1 - PTH093K15A XXXAA
21	0131P00085	OUTDOOR MOTOR, DC (M8)	M2 - PTH093K15CDXXXAA
21	0131P00068	OUTDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M9, M10, M11, M12)	M3 - PTH093K25A XXXAA
21	0131P00069	OUTDOOR MOTOR-PSC (M13, M14, M15, M16, M17, M18)	M4 - PTH093K25C XXXAA
41	0161P00055	FAN CONDENSER	M5 - PTH093K25V XXXAA
81	0121P00350NG	MOTOR BRACKET, SHROUD	M6 - PTH093K35A XXXAA
211	0270P01642	SCROLL ASSY	M7 - PTH093K35C XXXAA
231	0161P00153	PTAC END CAP LEFT	M8 - PTH093K35P XXXAA
241	0161P00152	END CAP RIGHT	M9 - PTH093K35V XXXAA
251	0163P00027	BEARING	M10 - PTH093K50A XXXAA
261	0150P00005	WHEEL BLOWER	M11 - PTH093K50C XXXAA
271	0131P00060	INDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M8, M9)	M12 - PTH093K50V XXXAA
271	0131P00061	INDOOR MOTOR-PSC (M10, M11, M12)	M13 - PTH094K25A XXXAA
271	0131P00070	INDOOR MOTOR-PSC (M13, M14, M15, M16, M17)	M14 - PTH094K25C XXXAA
271	0131P00071	INDOOR MOTOR-PSC (M18)	M15 - PTH094K35A XXXAA
281	CAP010000500RP	CAPACITOR (M13, M14, M15, M16, M17)	M16 - PTH094K35C XXXAA
281	CAP015000500RP	CAPACITOR (M18)	M17 - PTH094K35V XXXAA
281	CAP020000440RP	CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M18 - PTH094K50A XXXAA
291	0121P00048	BRACKET MOTOR MOUNT	
301	0275P00087	Heater 230 v -3.5 KW (M6, M7, M8, M9)	
301	0275P00089	Heater 230 v -5 KW (M10, M11, M12)	
301	0275P00088	Heater 265 v -3.5 KW (M15, M16, M17)	
301	0275P00090	Heater 265 v -5 KW (M18)	
301	0275P00019	HEATER ASSY (M3, M4, M5)	
301	0275P00022	HEATER ASSY (M1, M2)	
301	0275P00023	HEATER ASSY (M13, M14)	
321	0130P00167	THERMISTOR INDOOR	
NS	0163P00029	CAPACITOR CLAMP	
NS	0130P00177	CORD, 250 VAC, 20A (LCDI (M6, M7, M8, M9)	
NS	0130P00184	CORD, 250VAC, 15A, (LCDI (M1, M2, M3, M4, M5)	
NS	0130P00178	CORD, 277V, 20A (M13, M14, M15, M16, M17)	
NS	0130P00186	CORD, 277V, 30A (M18)	
NS	0130P00185	CORD,250VAC,30A (LCDI) (M10, M11, M12)	
NS	0163P00052	THERMISTOR CLAMP	

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 (M1, M3, M5, M6, M8, M9, M10, M12, M13, M15, M17, M18)
11	0121P00284NG	BASE PAN PAINTED (M2, M4, M7, M11, M14, M16)
21	0161P00154	PLASTIC- DRAIN PAN
31	C6300502	STAP CAP CO PTC
41	0121P00432	PANEL MID PRT
51	0121P00376NG	PANEL, TOP PARTITION, PAINTED
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

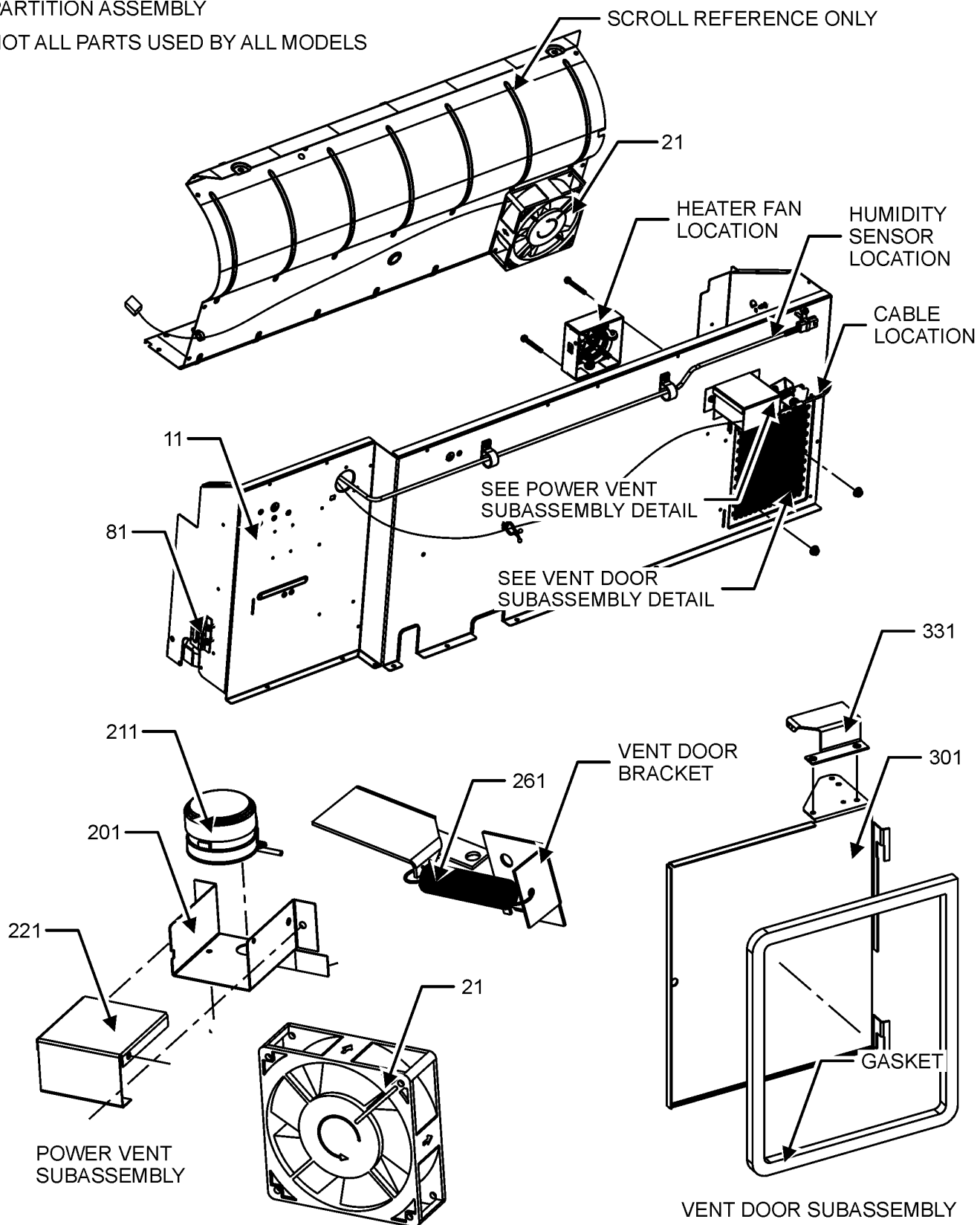
Expanded Model Nomenclature

M1 - PTH093K15AXXXAA
 M2 - PTH093K15CDXXAA
 M3 - PTH093K25AXXXAA
 M4 - PTH093K25CXXXAA
 M5 - PTH093K25VXXXAA
 M6 - PTH093K35AXXXAA
 M7 - PTH093K35CXXXAA
 M8 - PTH093K35PXXXAA
 M9 - PTH093K35VXXXAA
 M10 - PTH093K50AXXXAA
 M11 - PTH093K50CXXXAA
 M12 - PTH093K50VXXXAA
 M13 - PTH094K25AXXXAA
 M14 - PTH094K25CXXXAA
 M15 - PTH094K35AXXXAA
 M16 - PTH094K35CXXXAA
 M17 - PTH094K35VXXXAA
 M18 - PTH094K50AXXXAA

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:
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Image 1:

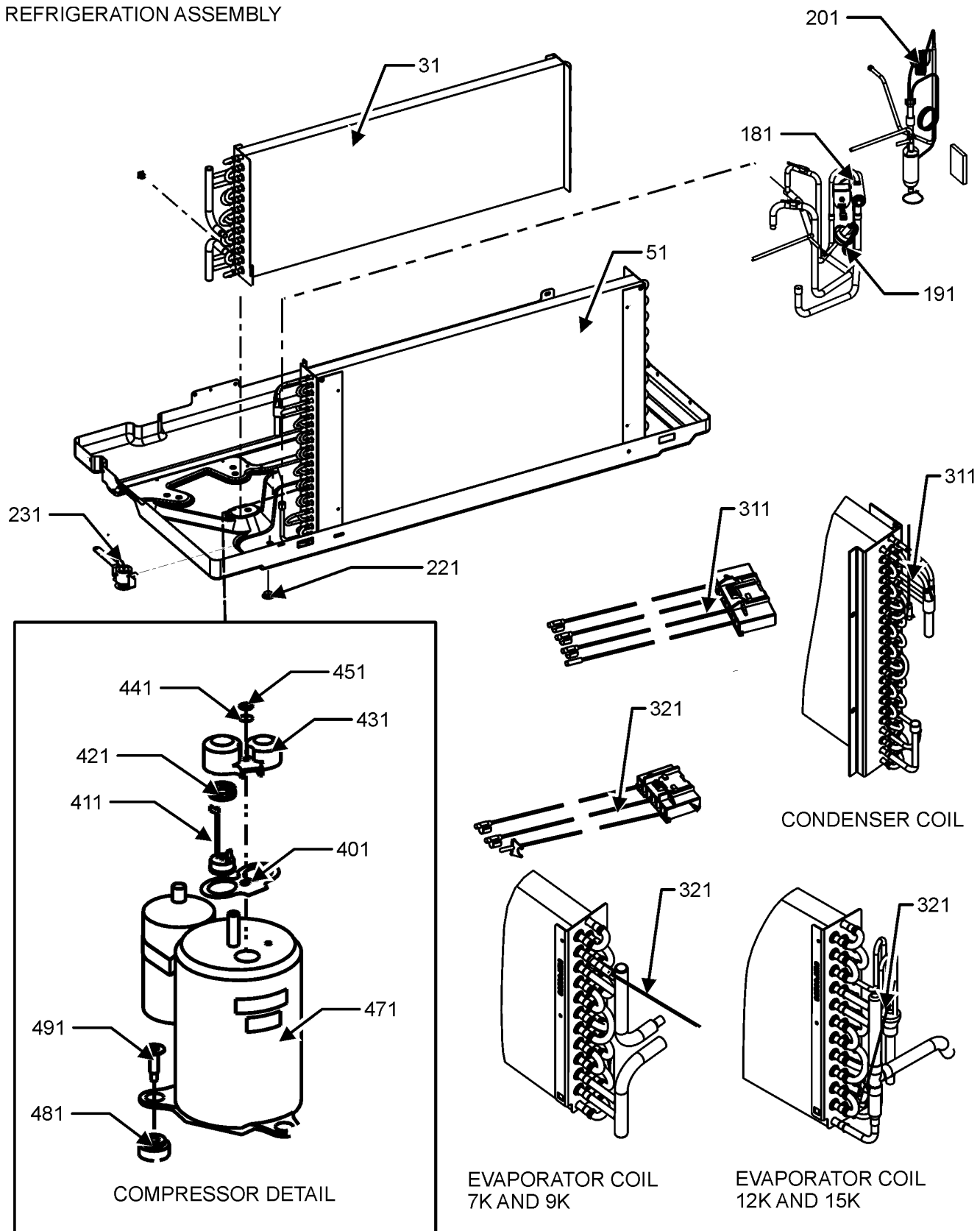
11	0121P00360NG	PANEL PARTITION
21	0131P00081	FAN MUFFIN (M5, M9, M12, M17)
81	11191703	BRKT-PART PAN (QTY 2)
201	11166101	BRKT-MOTOR PTC (M2, M5, M9, M12, M17)
211	0130P00137	MOTOR (M2, M5, M9, M12, M17)
221	11166201	BRKT-COVER PTC (M2, M5, M9, M12, M17)
261	11166401	SPRING-EXTENSION (M2, M5, M9, M12, M17)
301	0121P00177NG	DOOR PNT VENT PTC
331	0121P00180	BRKT POWER VENT (M2, M5, M9, M12, M17)
NS	0121P00079	BRACKET, VENT DOOR (M2, M5, M9, M12, M17)
NS	0121P00072NG	BRACKET, VENT DOOR-C (M1, M3, M4, M6, M7, M8, M10, M11, M13, M14, M15, M16, M18)
NS	0163P00019	CABLE (M1, M3, M4, M6, M7, M8, M10, M11, M13, M14, M15, M16, M18)
NS	0130P00187	HUMIDITY SENSOR (M2, M5, M9, M12, M17)
NS	11046302	LEVER ARM PTC (M1, M3, M4, M6, M7, M8, M10, M11, M13, M14, M15, M16, M18)
NS	0259P00039	WIRE HARNESS (M2, M5, M9, M12, M17)

Expanded Model Nomenclature

M1 - PTH093K15AXXXAA
 M2 - PTH093K15CDXXAA
 M3 - PTH093K25AXXXAA
 M4 - PTH093K25CXXAA
 M5 - PTH093K25VXXAA
 M6 - PTH093K35AXXXAA
 M7 - PTH093K35CXXAA
 M8 - PTH093K35PXXAA
 M9 - PTH093K35VXXAA
 M10 - PTH093K50AXXXAA
 M11 - PTH093K50CXXAA
 M12 - PTH093K50VXXAA
 M13 - PTH094K25AXXXAA
 M14 - PTH094K25CXXAA
 M15 - PTH094K35AXXXAA
 M16 - PTH094K35CXXAA
 M17 - PTH094K35VXXAA
 M18 - PTH094K50AXXXAA

REFRIGERATION ASSEMBLY

REFRIGERATION ASSEMBLY



REFRIGERATION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

REFRIGERATION ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
31	0202P00113	7MM EVAP ASSY 3 ROW	M1 - PTH093K15A XXXAA
51	0201P00171MB	7mm CONDENSOR COIL ASSY (M2, M4, M7, M11, M14, M16)	M2 - PTH093K15CDXXXAA
51	0201P00156	ASSY., 7MM CONDENSER COIL (M1, M3, M5, M6, M8, M9, M10, M12, M13, M15, M17, M18)	M3 - PTH093K25A XXXAA
181	0151P00023	PTAC REVERSING VLV ASSY (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M4 - PTH093K25C XXXAA
181	0151P00024	PTAC REVERSING VLV ASSY (M13, M14, M15, M16, M17, M18)	M5 - PTH093K25V XXXAA
191	0130M00735	SWITCH HIGH PRESSURE	M6 - PTH093K35A XXXAA
201	0210P00717	ASSY., CAPILLARY WELDMENT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M7 - PTH093K35C XXXAA
201	0210P00720	ASSY., CAPILLARY WELDMENT (M13, M14, M15, M16, M17, M18)	M8 - PTH093K35P XXXAA
221	M0570805	PLUG BUTTON (M8)	M9 - PTH093K35V XXXAA
231	20406303	VALVE-BASEPAN	M10 - PTH093K50A XXXAA
311	0130P00173	THERMISTOR OUTDOOR 7MM	M11 - PTH093K50C XXXAA
321	0130P00167	THERMISTOR INDOOR	M12 - PTH093K50V XXXAA
401	60100107	TERMINAL COVER GASKET (M13, M14, M15, M16, M17, M18)	M13 - PTH094K25A XXXAA
411	60345620A	OVERLOAD PROTECTOR-CLEAR PLUG (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M14 - PTH094K25C XXXAA
421	60500101	OLP SPRING - RECHI COMPRESSOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M15 - PTH094K35A XXXAA
431	60100317	TERMINAL COVER (M13, M14, M15, M16, M17, M18)	M16 - PTH094K35C XXXAA
441	60100201	WASHER - RECHI COMPRESSOR	M17 - PTH094K35V XXXAA
451	60100401	TERMINAL NUT - RECHI COMP	M18 - PTH094K50A XXXAA
471	39B202AD&0JKZ	COMPRESSOR, RECHI (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
471	39B207GD&0JKB	Compressor-R410-A (M13, M14, M15, M16, M17, M18)	
481	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)	
491	0163M00079	SCREW SHOULDER (QTY 3)	
NS	0130P00022	REVERSING VALVE COIL	
NS	0151M00026	VALVE, CHECK	
NS	0259P00036	WIRE HARNESS	