

PTH093 - 094J Package Terminal Heat Pump

PTH093J15AXXXAA
PTH093J15CDXXAA
PTH093J25AXXXAA
PTH093J25CXXAA
PTH093J25VXXAA
PTH093J35AXXXAA
PTH093J35CXXAA
PTH093J35PXXAA
PTH093J35VXXAA
PTH093J50AXXXAA
PTH093J50CXXAA
PTH093J50VXXAA
PTH094J25AXXXAA
PTH094J25CXXAA
PTH094J35AXXXAA
PTH094J35CXXAA
PTH094J35VXXAA
PTH094J50AXXXAA



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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.

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

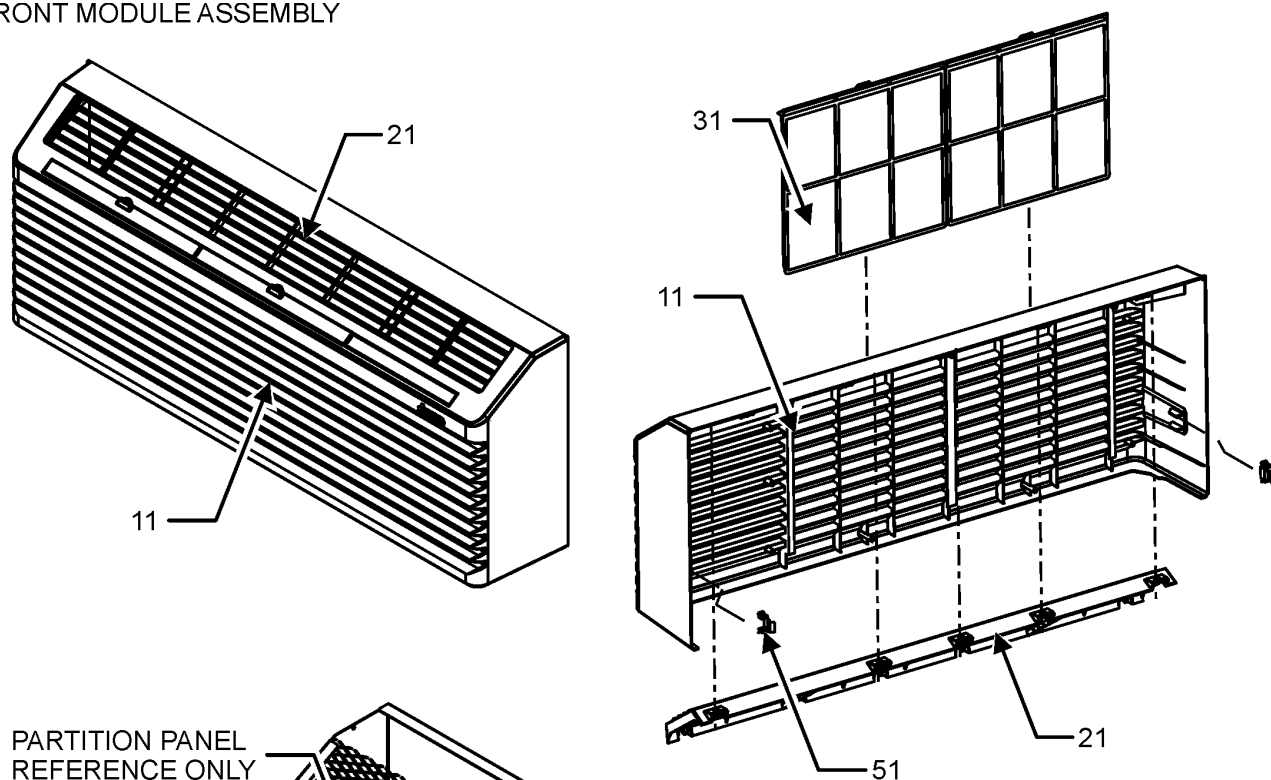
Part

No: Description:

CAP020200450CS	CAP, 2/20 MFD/450V/DUAL RD (M13, M14, M15, M16, M17, M18)	0130M00727	Transformer 40VA 240/208V (M2, M5, M9, M12)
CAP020250450CS	CAP, 2/25 MFD/450V/DUAL RD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	0130M00729	TRANSFORMER 40VA 277V (M17)
CAP010000500RP	CAPACITOR (M13, M14, M15, M16, M17)	0151M00026	VALVE, CHECK
CAP015000500RP	CAPACITOR (M18)	20406303	VALVE-BASEPAN
CAP020000440RP	CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	Expanded Model Nomenclature	
39X192GD&0JLA	Compressor-R32 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M1 - PTH093J15AXXXAA M2 - PTH093J15CDXXAA M3 - PTH093J25AXXXAA M4 - PTH093J25CXXAA M5 - PTH093J25VXXAA M6 - PTH093J35AXXXAA M7 - PTH093J35CXXAA M8 - PTH093J35PXXAA M9 - PTH093J35VXXAA M10 - PTH093J50AXXXAA M11 - PTH093J50CXXAA M12 - PTH093J50VXXAA M13 - PTH094J25AXXXAA M14 - PTH094J25CXXAA M15 - PTH094J35AXXXAA M16 - PTH094J35CXXAA M17 - PTH094J35VXXAA M18 - PTH094J50AXXXAA	
39X197GD&0JLB	Compressor-R32 (M13, M14, M15, M16, M17, M18)		
0130P00177	CORD, 250 VAC, 20A (LCDI (M6, M7, M8, M9)		
0130P00184	CORD, 250VAC, 15A, (LCDI (M1, M2, M3, M4, M5)		
0130P00178	CORD, 277V, 20A (M13, M14, M15, M16, M17)		
0130P00186	CORD, 277V, 30A (M18)		
0130P00185	CORD,250VAC,30A (LCDI) (M10, M11, M12)		
0161P00140	COVER WIRE		
0161P00055	FAN CONDENSER		
3P263839-1	FERRITE CORE		
A3410402	FUSE-15A - BLUE (M13, M14)		
A3410403	FUSE-20A - ORANGE (M15, M16, M17)		
A3410404	FUSE-25A - GREEN (M18)		
0275P00087	Heater 230 v-3.5 KW (M6, M7, M8, M9)		
0275P00089	Heater 230 v-5 KW (M10, M11, M12)		
0275P00088	Heater 265 v-3.5 KW (M15, M16, M17)		
0275P00090	Heater 265 v-5 KW (M18)		
0275P00023	HEATER ASSY (M13, M14)		
0275P00019	HEATER ASSY (M3, M4, M5)		
0275P00022	HEATER ASSY (M1, M2)		
0130P00187	HUMIDITY SENSOR (M2, M5, M9, M12, M17)		
0131P00060	INDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M8, M9)		
0131P00061	INDOOR MOTOR-PSC (M10, M11, M12)		
0131P00071	INDOOR MOTOR-PSC (M18)		
0131P00070	INDOOR MOTOR-PSC (M13, M14, M15, M16, M17)		
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)		
0151P00024	PTAC REVERSING VLV ASSY (M13, M14, M15, M16, M17, M18)		
0151P00023	PTAC REVERSING VLV ASSY (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)		
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)		
0130M00728	TRANSFORMER 20VA 277V (M13, M14, M15, M16, M17, M18)		

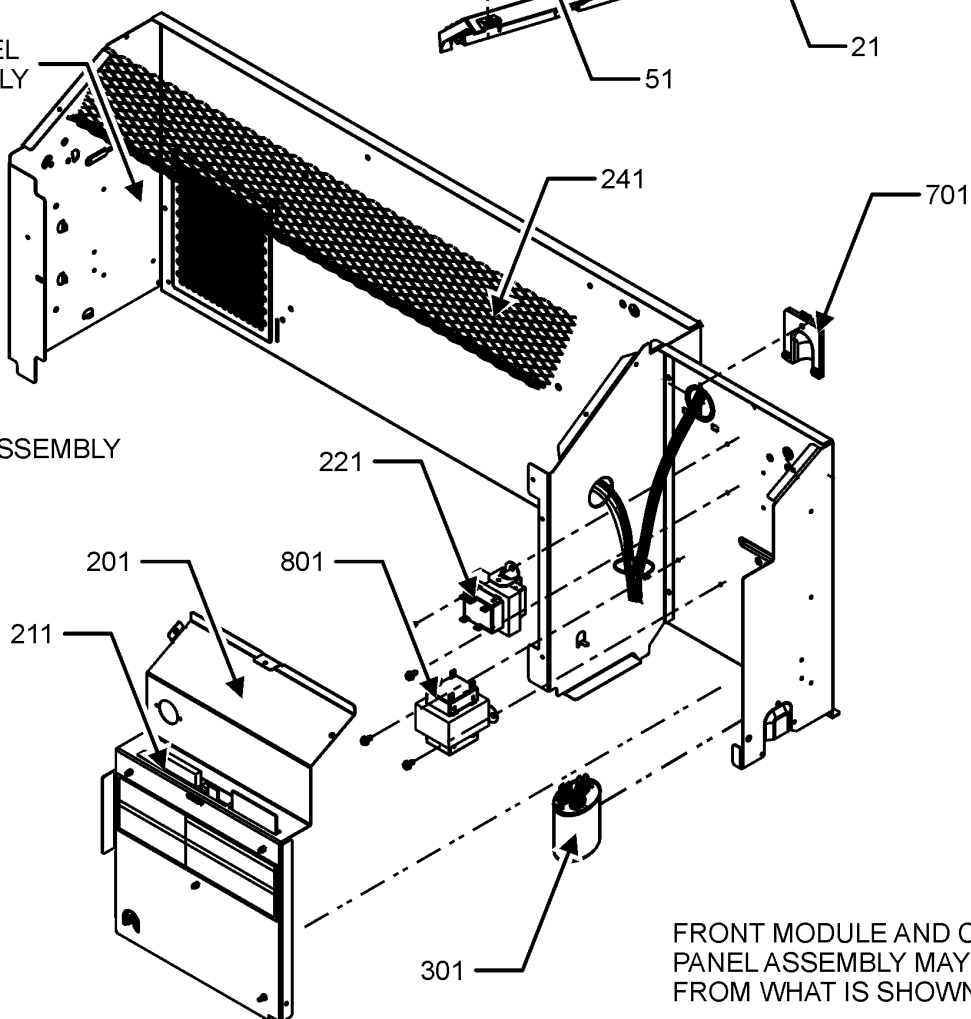
FRONT MODULE AND CONTROL PANEL ASSEMBLY

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

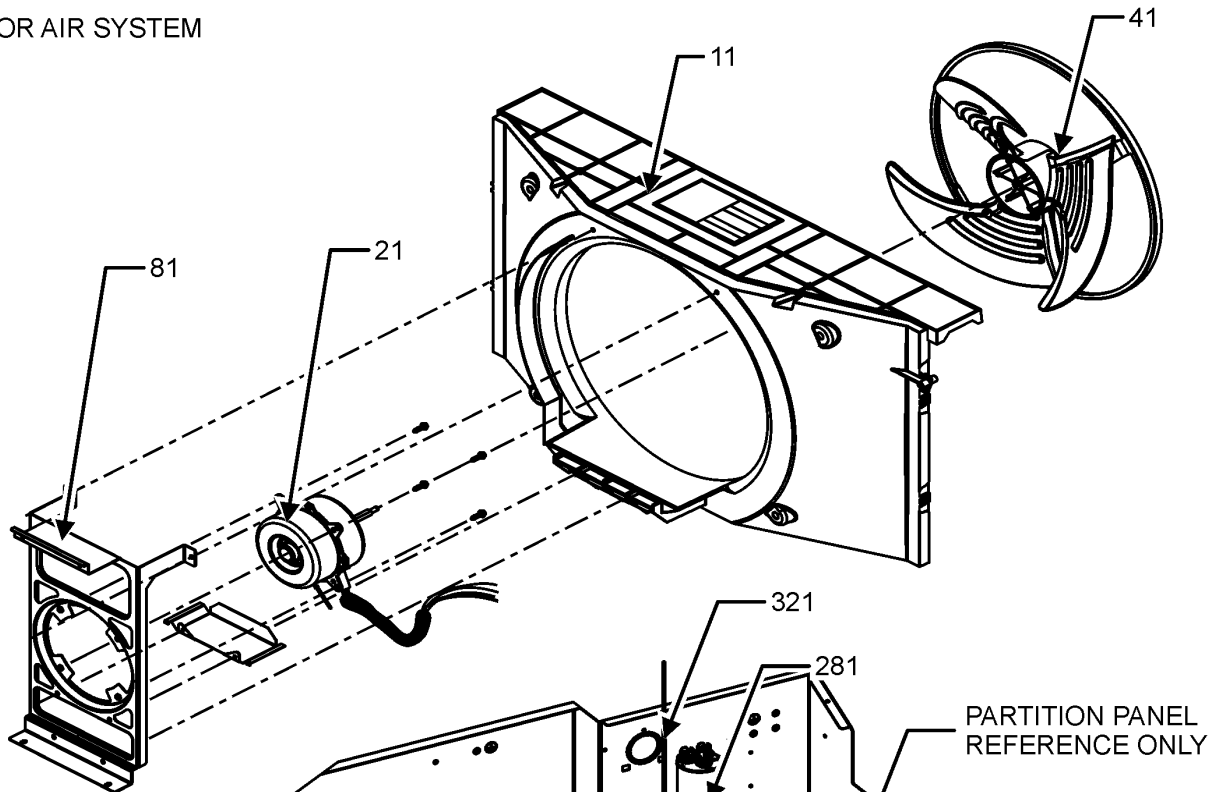
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0261P00033		FRONT ASSY
21	0161P00132		LOUVERED FRONT DISCHARGE
31	0161P00148		FILTER RACK (QTY 2)
51	0163P00025		CLIP (QTY 2)
201	0121P00431		CONTROL BOX PANEL
211	PCBCP160		M90 Board Tier 1 (M1, M2, M3, M4, M5, M6, M7, M9, 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	CAP020200450CS		CAP, 2/20 MFD/450V/DUAL RD (M13, M14, M15, M16, M17, M18)
301	CAP020250450CS		CAP, 2/25 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

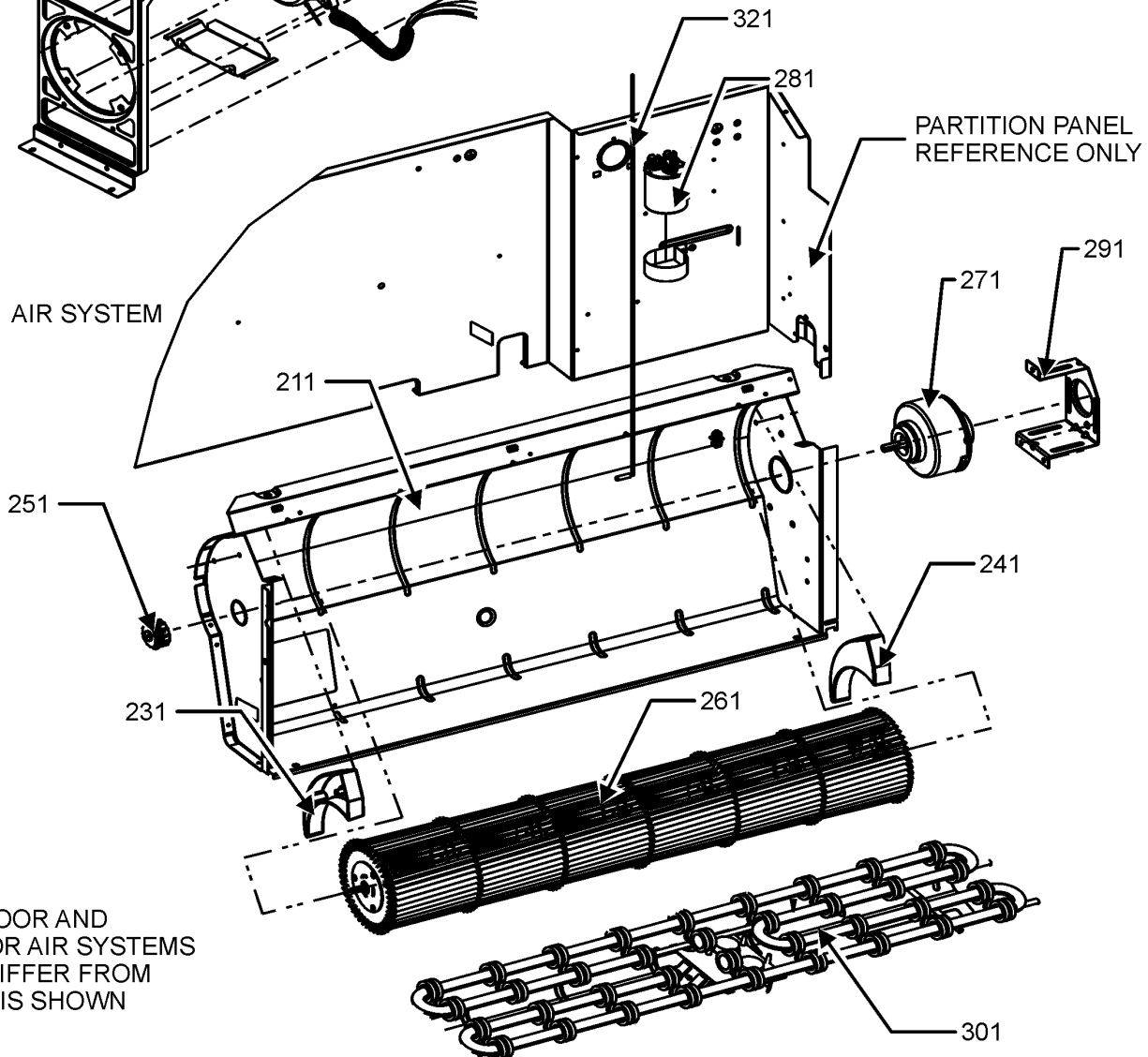
M1 - PTH093J15AXXXAA
M2 - PTH093J15CDXXAA
M3 - PTH093J25AXXXAA
M4 - PTH093J25CXXAA
M5 - PTH093J25VXXAA
M6 - PTH093J35AXXXAA
M7 - PTH093J35CXXAA
M8 - PTH093J35PXXAA
M9 - PTH093J35VXXAA
M10 - PTH093J50AXXXAA
M11 - PTH093J50CXXAA
M12 - PTH093J50VXXAA
M13 - PTH094J25AXXXAA
M14 - PTH094J25CXXAA
M15 - PTH094J35AXXXAA
M16 - PTH094J35CXXAA
M17 - PTH094J35VXXAA
M18 - PTH094J50AXXXAA

OUTDOOR AND INDOOR AIR SYSTEM

OUTDOOR AIR SYSTEM



INDOOR AIR SYSTEM



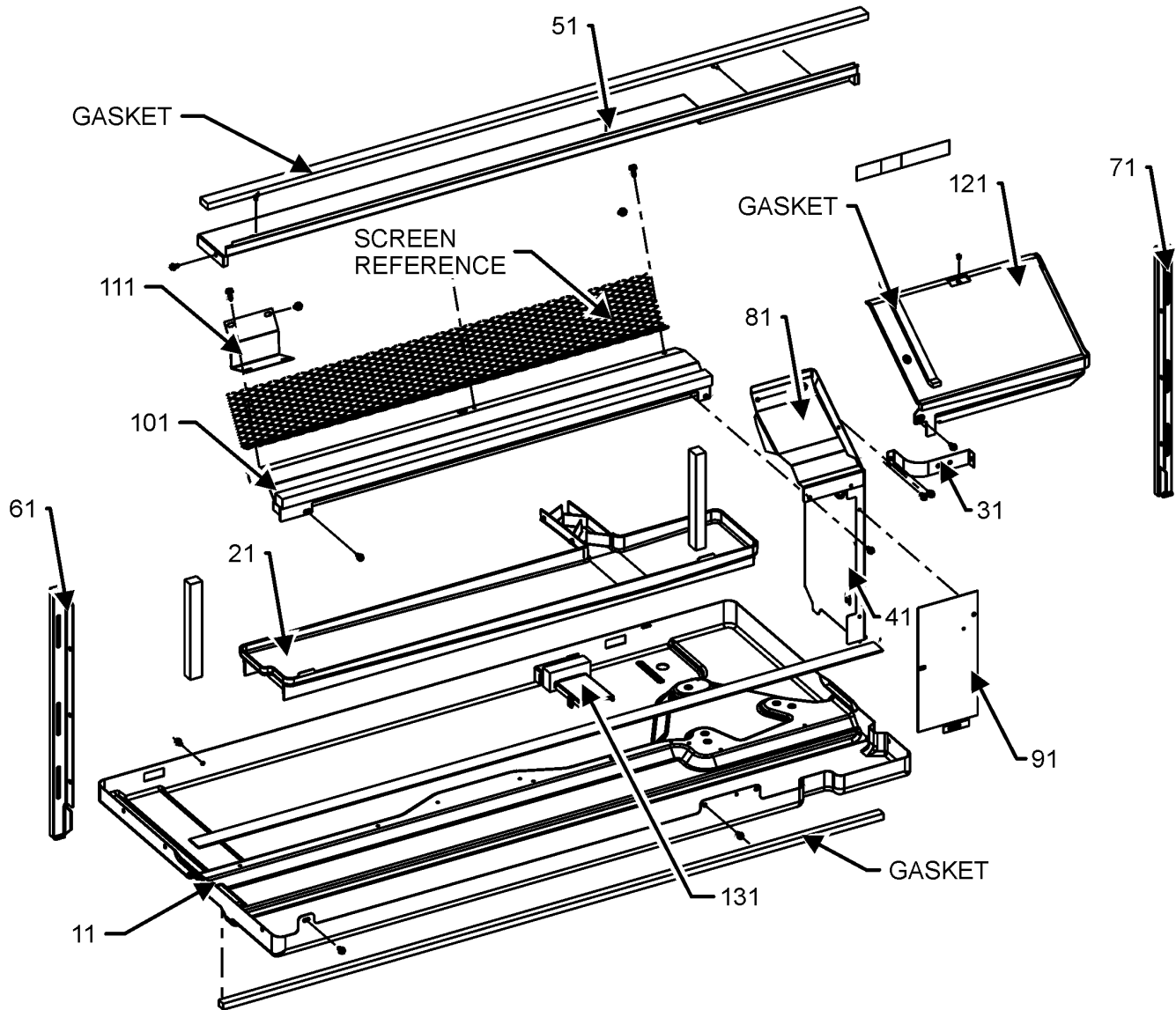
OUTDOOR AND
INDOOR AIR SYSTEMS
MAY DIFFER FROM
WHAT IS SHOWN

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 - PTH093J15A XXXAA
21	0131P00085	OUTDOOR MOTOR, DC (M8)	M2 - PTH093J15CDXXXAA
21	0131P00068	OUTDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M9, M10, M11, M12)	M3 - PTH093J25A XXXAA
21	0131P00069	OUTDOOR MOTOR-PSC (M13, M14, M15, M16, M17, M18)	M4 - PTH093J25C XXXAA
41	0161P00055	FAN CONDENSER	M5 - PTH093J25V XXXAA
81	0121P00350NG	MOTOR BRACKET, SHROUD	M6 - PTH093J35A XXXAA
211	0270P01642	SCROLL ASSY	M7 - PTH093J35C XXXAA
231	0161P00153	PTAC END CAP LEFT	M8 - PTH093J35P XXXAA
241	0161P00152	END CAP RIGHT	M9 - PTH093J35V XXXAA
251	0163P00027	BEARING	M10 - PTH093J50A XXXAA
261	0150P00005	WHEEL BLOWER	M11 - PTH093J50C XXXAA
271	0131P00060	INDOOR MOTOR-PSC (M1, M2, M3, M4, M5, M6, M7, M8, M9)	M12 - PTH093J50V XXXAA
271	0131P00061	INDOOR MOTOR-PSC (M10, M11, M12)	M13 - PTH094J25A XXXAA
271	0131P00070	INDOOR MOTOR-PSC (M13, M14, M15, M16, M17)	M14 - PTH094J25C XXXAA
271	0131P00071	INDOOR MOTOR-PSC (M18)	M15 - PTH094J35A XXXAA
281	CAP010000500RP	CAPACITOR (M13, M14, M15, M16, M17)	M16 - PTH094J35C XXXAA
281	CAP015000500RP	CAPACITOR (M18)	M17 - PTH094J35V XXXAA
281	CAP020000440RP	CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M18 - PTH094J50A 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

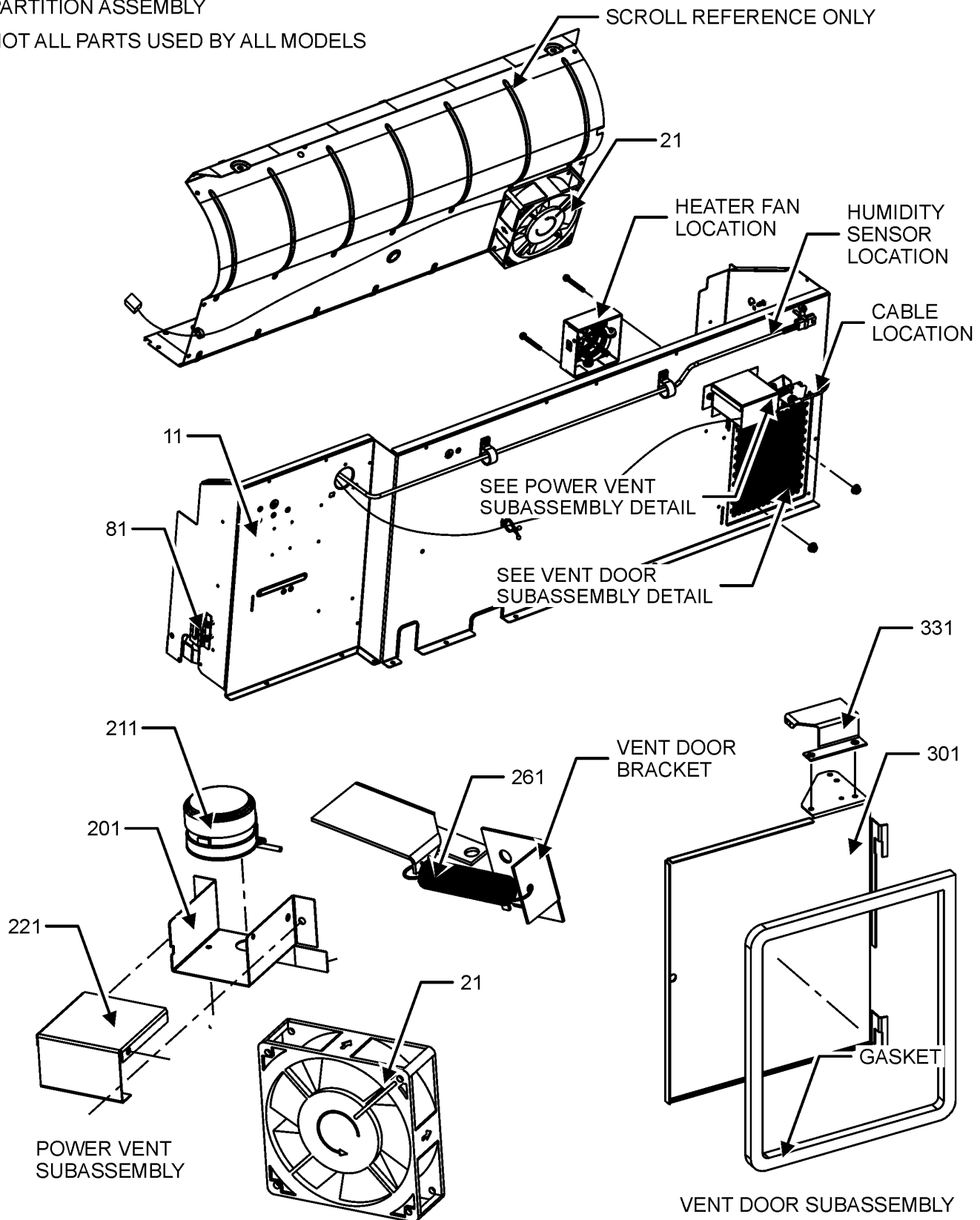
Expanded Model Nomenclature

M1 - PTH093J15AXXXAA
 M2 - PTH093J15CDXXAA
 M3 - PTH093J25AXXXAA
 M4 - PTH093J25CXXAA
 M5 - PTH093J25VXXAA
 M6 - PTH093J35AXXXAA
 M7 - PTH093J35CXXAA
 M8 - PTH093J35PXXAA
 M9 - PTH093J35VXXAA
 M10 - PTH093J50AXXXAA
 M11 - PTH093J50CXXAA
 M12 - PTH093J50VXXAA
 M13 - PTH094J25AXXXAA
 M14 - PTH094J25CXXAA
 M15 - PTH094J35AXXXAA
 M16 - PTH094J35CXXAA
 M17 - PTH094J35VXXAA
 M18 - PTH094J50AXXXAA

PARTITION ASSEMBLY

PARTITION ASSEMBLY

NOT ALL PARTS USED BY ALL MODELS



PARTITION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

PARTITION ASSEMBLY

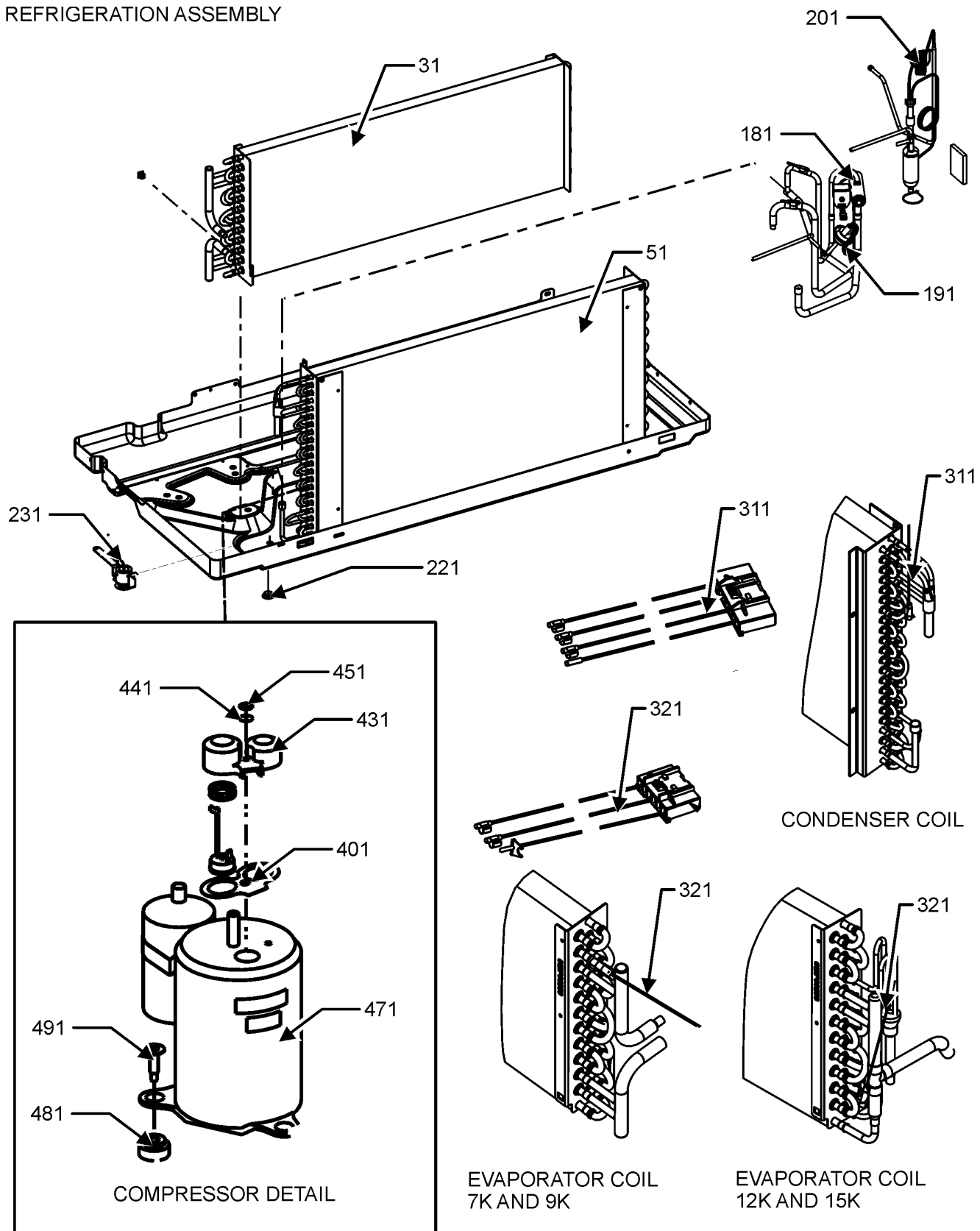
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00360NG		PANEL PARTITION
21	0131P00081		FAN MUFFIN (M5, M9, M12, M17)
81	11191703		BRKT-PART PAN (QTY 2)
201	11166101		BRKT-MOTOR PTC (M2, M5, M9, M12, M17)
211	0130P00137		MOTOR (M2, M5, M9, M12, M17)
221	11166201		BRKT-COVER 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 - PTH093J15AXXXAA
M2 - PTH093J15CDXXAA
M3 - PTH093J25AXXXAA
M4 - PTH093J25CXXAA
M5 - PTH093J25VXXAA
M6 - PTH093J35AXXXAA
M7 - PTH093J35CXXAA
M8 - PTH093J35PXXAA
M9 - PTH093J35VXXAA
M10 - PTH093J50AXXXAA
M11 - PTH093J50CXXAA
M12 - PTH093J50VXXAA
M13 - PTH094J25AXXXAA
M14 - PTH094J25CXXAA
M15 - PTH094J35AXXXAA
M16 - PTH094J35CXXAA
M17 - PTH094J35VXXAA
M18 - PTH094J50AXXXAA

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:			
31	0202P00113		7MM EVAP ASSY 3 ROW
51	0201P00171MB		7mm CONDENSOR COIL ASSY (M2, M4, M7, M11, M14, M16)
51	0201P00156		ASSY., 7MM CONDENSER COIL (M1, M3, M5, M6, M8, M9, M10, M12, M13, M15, M17, M18)
181	0151P00023		PTAC REVERSING VLV ASSY (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
181	0151P00024		PTAC REVERSING VLV ASSY (M13, M14, M15, M16, M17, M18)
191	0130M00735		SWITCH HIGH PRESSURE
201	0210P00596		ASSY., CAPILLARY WELDMENT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
201	0210P00716		ASSY., CAPILLARY WELDMENT (M13, M14, M15, M16, M17, M18)
221	M0570805		PLUG BUTTON (M8)
231	20406303		VALVE-BASEPAN
311	0130P00173		THERMISTOR OUTDOOR 7MM
321	0130P00167		THERMISTOR INDOOR
401	60100107		TERMINAL COVER GASKET
431	60100317		TERMINAL COVER
441	60100201		WASHER - RECHI COMPRESSOR
451	60100401		TERMINAL NUT - RECHI COMP
471	39X192GD&0JLA		Compressor-R32 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
471	39X197GD&0JLB		Compressor-R32 (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

Expanded Model Nomenclature

M1 - PTH093J15A XXXAA
M2 - PTH093J15CD XXXAA
M3 - PTH093J25A XXXAA
M4 - PTH093J25C XXXAA
M5 - PTH093J25V XXXAA
M6 - PTH093J35A XXXAA
M7 - PTH093J35C XXXAA
M8 - PTH093J35P XXXAA
M9 - PTH093J35V XXXAA
M10 - PTH093J50A XXXAA
M11 - PTH093J50C XXXAA
M12 - PTH093J50V XXXAA
M13 - PTH094J25A XXXAA
M14 - PTH094J25C XXXAA
M15 - PTH094J35A XXXAA
M16 - PTH094J35C XXXAA
M17 - PTH094J35V XXXAA
M18 - PTH094J50A XXXAA