

HEC153 - 154J Package Terminal Air Conditioner

HEC153J35AXXXAA

HEC153J50AXXXAA

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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:

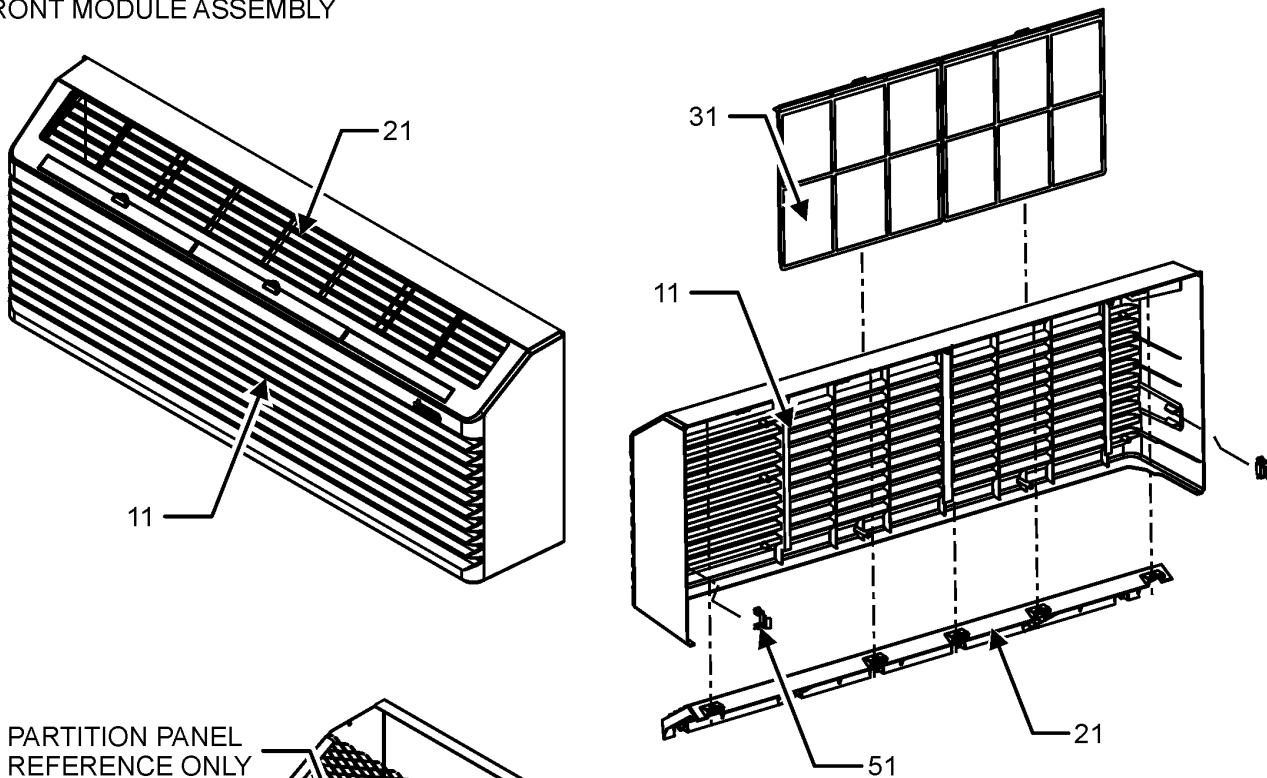
CAP020350450CS	2/35 MFD/450V/DUAL RD CAP (M3, M4)
CAB050400440CT	CAP, 5/40 MFD/440V RD - BPRF (M1, M2)
50W3522M-9GLE	Compressor-R32 (M1, M2)
50W3572M-9GLE	Compressor-R32 (M3, M4)
0130P00177	CORD, 250 VAC, 20A (LCDI) (M1)
0130P00178	CORD, 277V, 20A (M3)
0130P00186	CORD, 277V, 30A (M4)
0130P00185	CORD,250VAC,30A (LCDI) (M2)
0161P00140	COVER WIRE
0161P00055	FAN CONDENSER
3P263839-1	FERRITE CORE
A3410403	FUSE-20A - ORANGE (M3)
A3410404	FUSE-25A - GREEN (M4)
0275P00087	Heater 230 v-3.5 KW (M1)
0275P00089	Heater 230 v-5 KW (M2)
0275P00088	Heater 265 v-3.5 KW (M3)
0275P00090	Heater 265 v-5 KW (M4)
0131P00062	INDOOR MOTOR DC
PCBCP170	M90 Board Tier 2
0131P00065	OUTDOOR MOTOR DC
0130M00735	SWITCH HIGH PRESSURE
0130P00167	THERMISTOR INDOOR
0130P00188	THERMISTOR OUT 5MM
0130M00726	Transformer 20VA 240/208V (M1, M2)
0130M00728	Transformer 20VA 277V (M3, M4)

Expanded Model Nomenclature

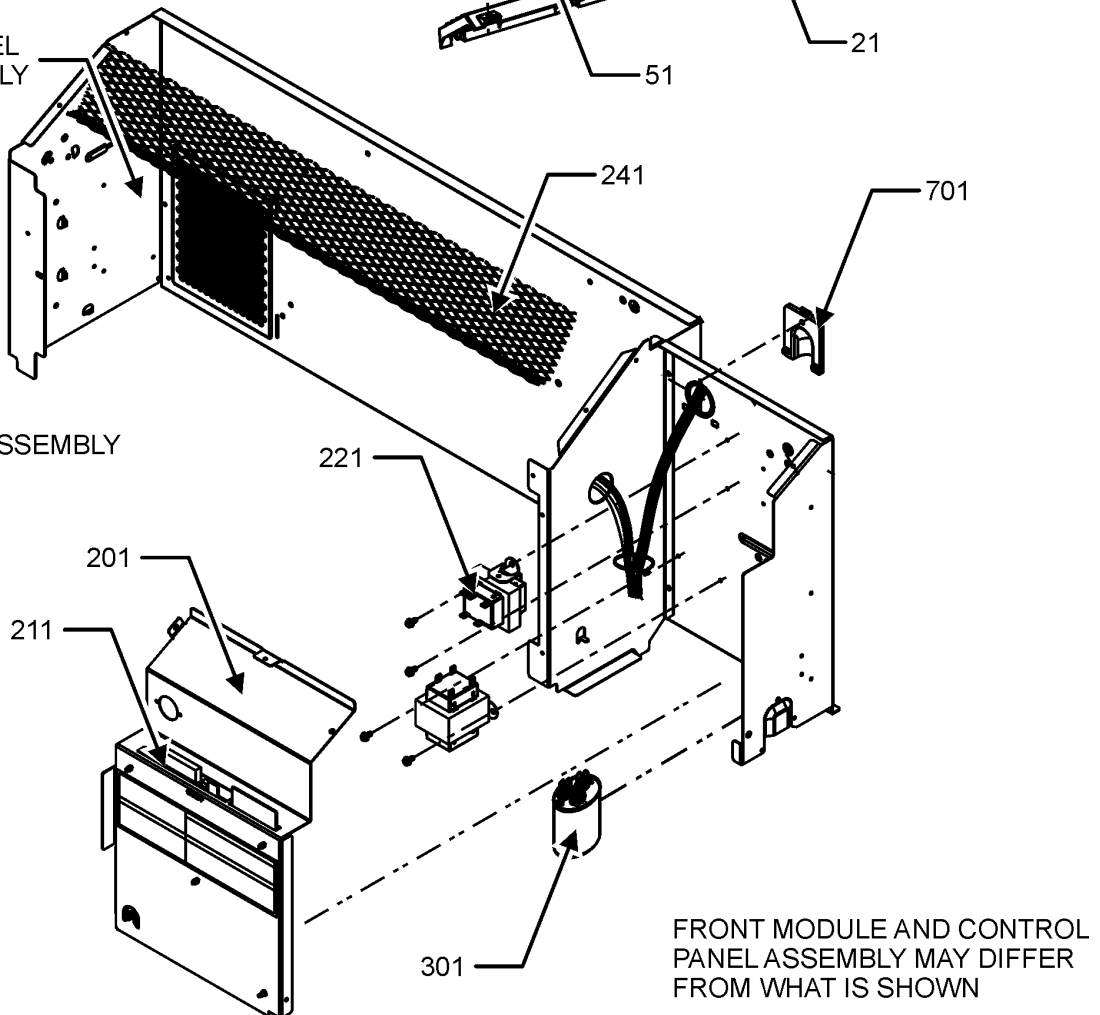
M1 - HEC153J35AXXXAA
M2 - HEC153J50AXXXAA
M3 - HEC154J35AXXXAA
M4 - HEC154J50AXXXAA

FRONT MODULE AND CONTROL PANEL ASSEMBLY

FRONT MODULE ASSEMBLY



CONTROL PANEL ASSEMBLY



FRONT MODULE AND CONTROL PANEL ASSEMBLY

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

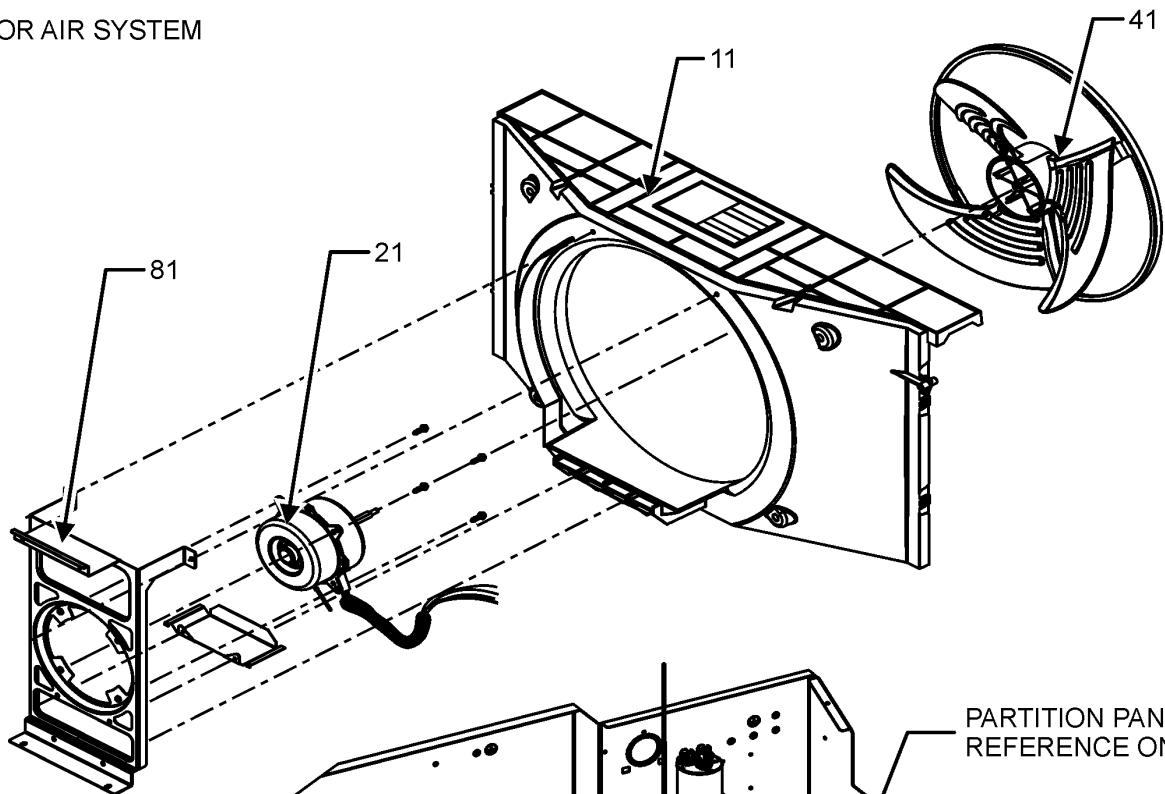
11	0261P00033	FRONT ASSY
21	0161P00132	LOUVERED FRONT DISCHARGE
31	0161P00148	FILTER RACK (QTY 2)
51	0163P00025	CLIP (QTY 2)
201	0121P00431	CONTROL BOX PANEL
211	PCBCP170	M90 Board Tier 2
221	0130M00726	Transformer 20VA 240/208V (M1, M2)
221	0130M00728	Transformer 20VA 277V (M3, M4)
241	0121P00194BL	SCREEN DISCHARGE PAINTED
301	CAP020350450CS	2/35 MFD/450V/DUAL RD CAP (M3, M4)
301	CAB050400440CT	CAP, 5/40 MFD/440V RD - BPRF (M1, M2)
701	0161P00140	COVER WIRE
721	3P263839-1	FERRITE CORE
NS	A3410403	FUSE-20A - ORANGE (M3)
NS	A3410404	FUSE-25A - GREEN (M4)
NS	C6476003	HOLDER-BAYONET FUSE - GREEN (M4)
NS	C6476002	HOLDER-BAYONET FUSE - ORANGE (M3)
NS	0259P00043	WIRE HARNESS KIT

Expanded Model Nomenclature

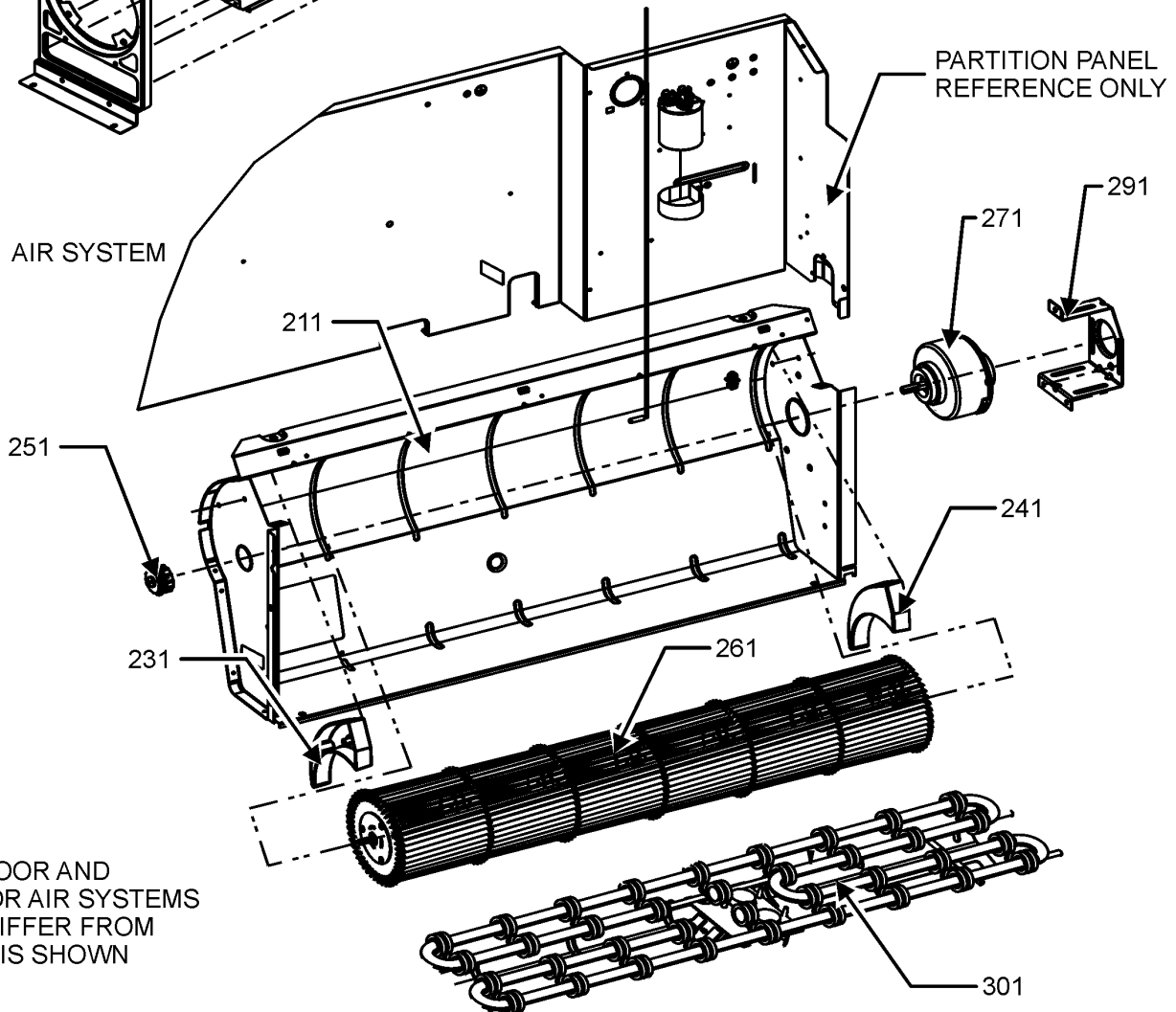
M1 - HEC153J35AXXXAA M2 - HEC153J50AXXXAA M3 - HEC154J35AXXXAA M4 - HEC154J50AXXXAA
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OUTDOOR AND INDOOR AIR SYSTEM

OUTDOOR AIR SYSTEM



INDOOR AIR SYSTEM



OUTDOOR AND
INDOOR AIR SYSTEMS
MAY DIFFER FROM
WHAT IS SHOWN

OUTDOOR AND INDOOR AIR SYSTEM

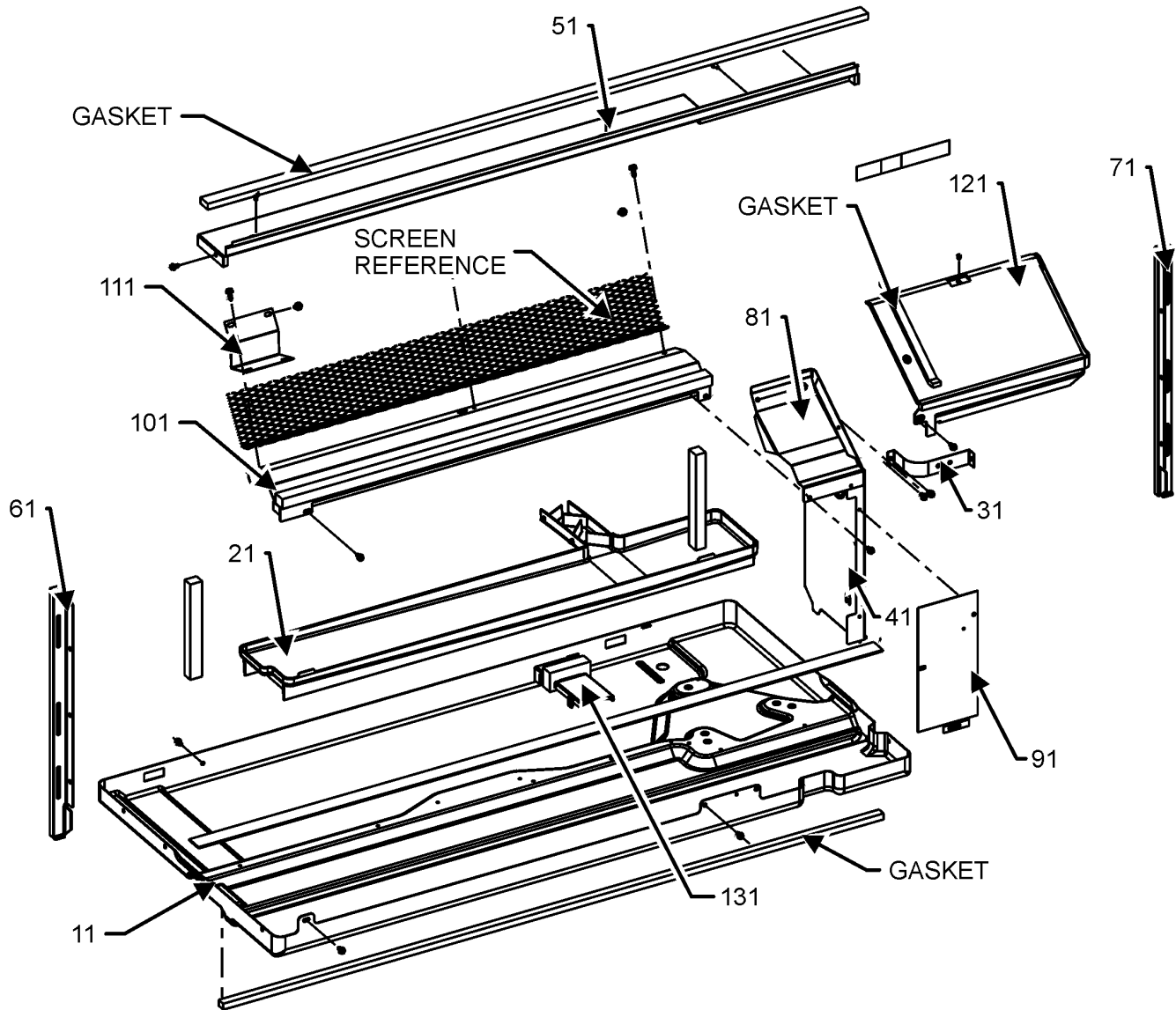
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0261P00034		ASY CONDENSER SHROUD
21	0131P00065		OUTDOOR MOTOR DC
41	0161P00055		FAN CONDENSER
81	0121P00350		MOTOR BRACKET, SHROUD
211	0270P01642		SCROLL ASSY
231	0161P00153		PTAC END CAP LEFT
241	0161P00152		END CAP RIGHT
251	0163P00027		BEARING
261	0150P00005		WHEEL BLOWER
271	0131P00062		INDOOR MOTOR DC
291	0121P00048		BRACKET MOTOR MOUNT
301	0275P00087		Heater 230 v -3.5 KW (M1)
301	0275P00089		Heater 230 v -5 KW (M2)
301	0275P00088		Heater 265 v -3.5 KW (M3)
301	0275P00090		Heater 265 v -5 KW (M4)
NS	0130P00177		CORD, 250 VAC, 20A (LCDI) (M1)
NS	0130P00178		CORD, 277V, 20A (M3)
NS	0130P00186		CORD, 277V, 30A (M4)
NS	0130P00185		CORD,250VAC,30A (LCDI) (M2)
NS	0163P00052		THERMISTOR CLAMP

Expanded Model Nomenclature

M1 - HEC153J35A XXXAA
M2 - HEC153J50A XXXAA
M3 - HEC154J35A XXXAA
M4 - HEC154J50A XXXAA

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:

Image 1:

11	0121P00284DG	BASE PAN PAINTED
21	0161P00154	PLASTIC- DRAIN PAN
31	C6300502	STAP CAP CO PTC (M3, M4)
31	0121P00282	STRAP-CAPACITOR (M1, M2)
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 - HEC153J35AXXXAA

M2 - HEC153J50AXXXAA

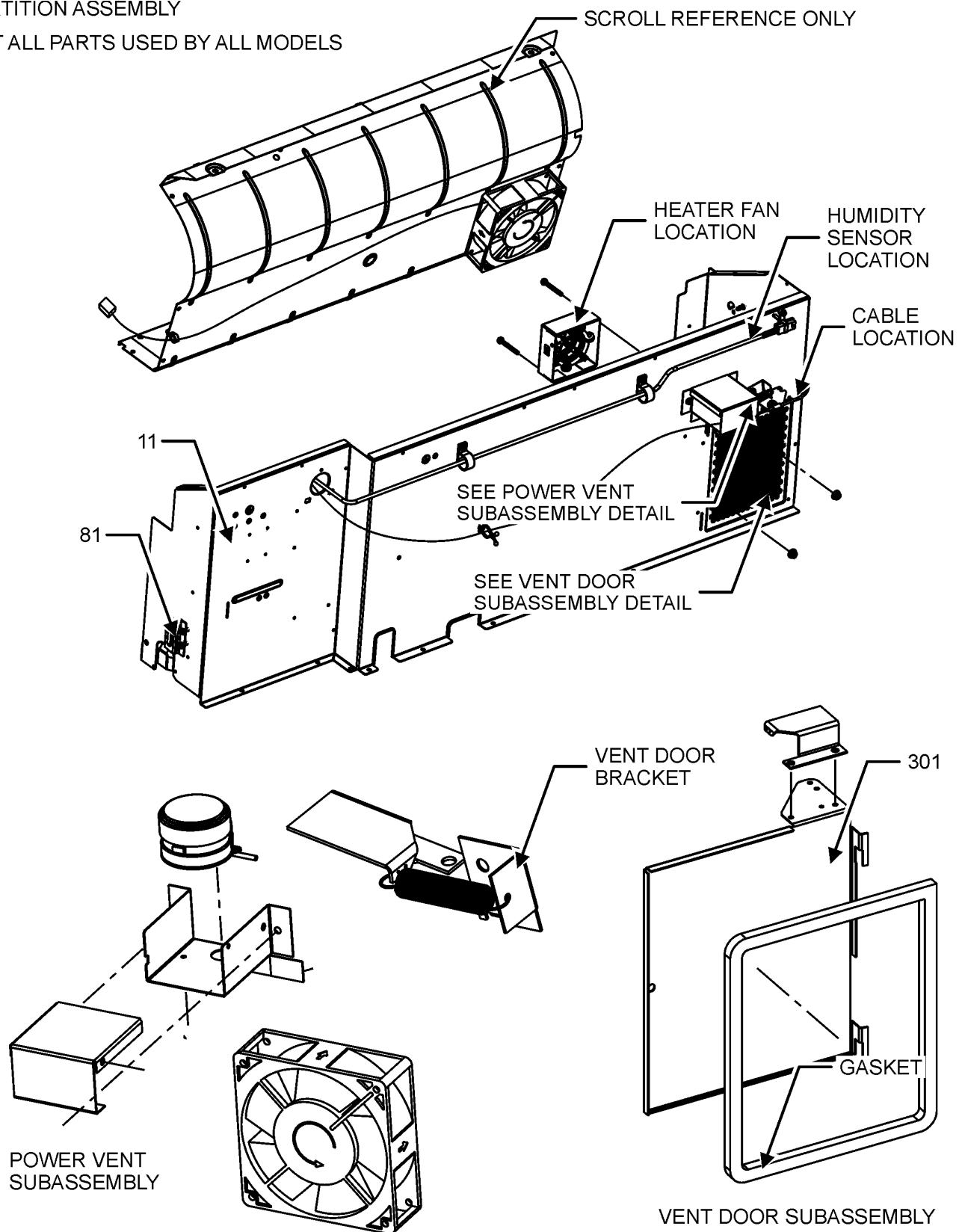
M3 - HEC154J35AXXXAA

M4 - HEC154J50AXXXAA

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:

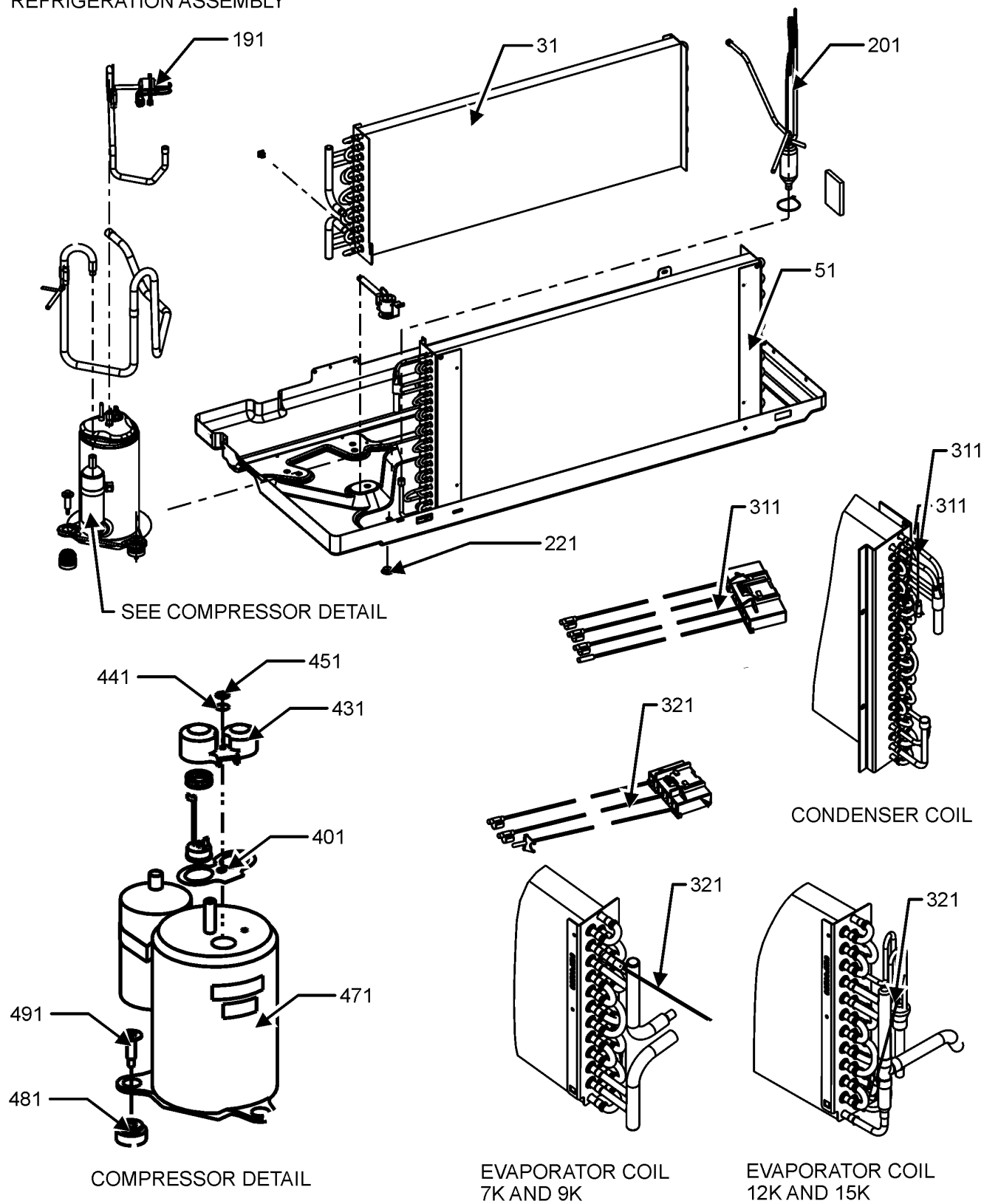
11	0121P00360	PANEL PARTITION
81	11191703	BRKT-PART PAN (QTY 2)
301	0121P00177	DOOR PNT VENT PTC
NS	0121P00072	BRACKET, VENT DOOR
NS	0163P00019	CABLE
NS	11046302	LEVER ARM PTC

Expanded Model Nomenclature

M1 - HEC153J35AXXXAA
M2 - HEC153J50AXXXAA
M3 - HEC154J35AXXXAA
M4 - HEC154J50AXXXAA

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	0210P00590	CAPILLARY WELDMENT (M1, M2)
201	0210P00735	CAPILLARY WELDMENT (M3, M4)
221	M0570805	PLUG BUTTON
311	0130P00188	THERMISTOR OUT 5MM
321	0130P00167	THERMISTOR INDOOR
401	60100107	TERMINAL COVER GASKET (M1, M2)
431	60100317	TERMINAL COVER
441	60100201	WASHER - RECHI COMPRESSOR
451	60100401	TERMINAL NUT - RECHI COMP
471	50W3522M-9GLE	Compressor-R32 (M1, M2)
471	50W3572M-9GLE	Compressor-R32 (M3, M4)
481	60140209	GROMMET - RECHI COMPRESSOR (QTY 3)
491	0163P00044	SCREW 1/4" - 20 UNC - 2A (QTY 3)
NS	0259P00036	WIRE HARNESS

Expanded Model Nomenclature

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M4 - HEC154J50AXXXAA