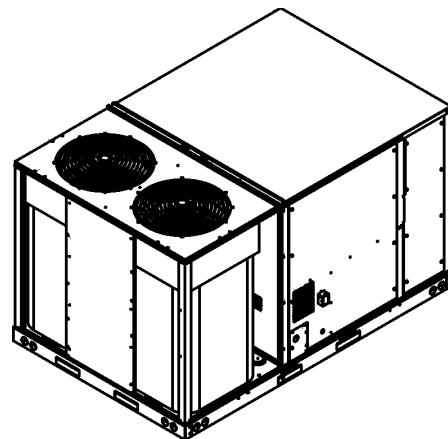


DHG 8.5 Ton Commercial Package Gas Unit

DHG1023DH00001SAA
DHG1023DL00001SAA
DHG1023DM00001SAA
DHG1024DH00001SAA
DHG1024DL00001SAA
DHG1024DM00001SAA
DHG1027DH00001SAA
DHG1027DL00001SAA
DHG1027DM00001SAA



This manual is to be used by qualified technicians only.

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 17

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

Daikin Comfort Technologies Manufacturing , 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, Daikin Comfort Technologies Manufacturing , L.P. also recommends contacting an authorized technician and using authorized factory parts.

Daikin Comfort Technologies Manufacturing , 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:
Equipment Support
Daikin Comfort Technologies Manufacturing , L.P.
19001 Kermier Road
Waller, Texas 77484
855-770-5678-Telephone
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:
International Division
Daikin Comfort Technologies Manufacturing , L.P.
19001 Kermier Road
Waller, Texas 77484
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: Description:

0150L00003	BLADE-FAN 22" ALUM. CCW 30 DEG (QTY 2)
0163L00006	BURNER BECKETT
CAP100000370LA	CAP, 10 MFD/370V/OVAL (M1, M2, M3, M4, M5, M6)
CAP050000440LA	CAPACITOR (M7, M8, M9)
YP44K1TTFEASC	COMPRESSOR (M7, M8, M9)
YP44K1TTFDASC	COMPRESSOR (M4, M5, M6)
YP44K1TTF5ASC	COMPRESSOR (M1, M2, M3)
CONT2P030024D	CONT, 2 POLE, 30 AMP, 24VAC
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (QTY 3)
0130M00178	DPDT RELAY 24VAC (QTY 3)
0130F00010	FLAME SENSOR
0151L00000	GAS VALVE MANIFOLD 36H
0130L00251	IGNITOR
20162901	LIMIT, PRIMARY
20162904	LIMIT, PRIMARY
10123527	LIMIT-RESET MAN-BROWN (M3, M6, M9)
10123532	LIMIT-RESET MAN-GRAY (M1, M2, M4, M5, M7, M8)
0131L00176	MOTOR, BLOWER (M4, M5, M6)
0131L00177	MOTOR, BLOWER (M7, M8, M9)
0131L00175	MOTOR, BLOWER (M1, M2, M3)
0131M00907	MOTOR, HP, 1/3, OD (M4, M5, M6)
0131M00908	MOTOR, HP, 1/3, OD, LAK (M7, M8, M9)
0131M00906	MOTOR, HP, 1/3, SP, 1, PL, 6 (M1, M2, M3)
PCBCM301V0001	PCB CONTROL AIR HANDLER
PCBAG123	PCB IGNITION DSI INTEG
0131L00218	PROGRAMMED MOTOR CONTROLLER (M1, M4, M7)
0131L00196	PROGRAMMED MOTOR CONTROLLER (M3, M6, M9)
0131L00154	PROGRAMMED MOTOR CONTROLLER (M2, M5, M8)
10135604	RELAY
SER2A08012	SENSATA R32 SENSOR
0130M00730	SWITCH, HIGH PRESSURE (QTY 2)
0130M00733	SWITCH, LOW PRESSURE (QTY 2)
0130M00582	SWITCH, THERMO (QTY 2)
11112501	SWITCH-PRESSURE
B1370772	TIME DEALY ICM 180SEC DELA
0130M00859	TRANSFORMER (M1, M2, M3)
0130M00861	TRANSFORMER (M7, M8, M9)
0130M00858	TRANSFORMER (M4, M5, M6)
0130M00862	TRANSFORMER (M4, M5, M6)
0130M00860	TRANSFORMER (M7, M8, M9)
0131L00120	VENT MOTOR

Expanded Model Nomenclature

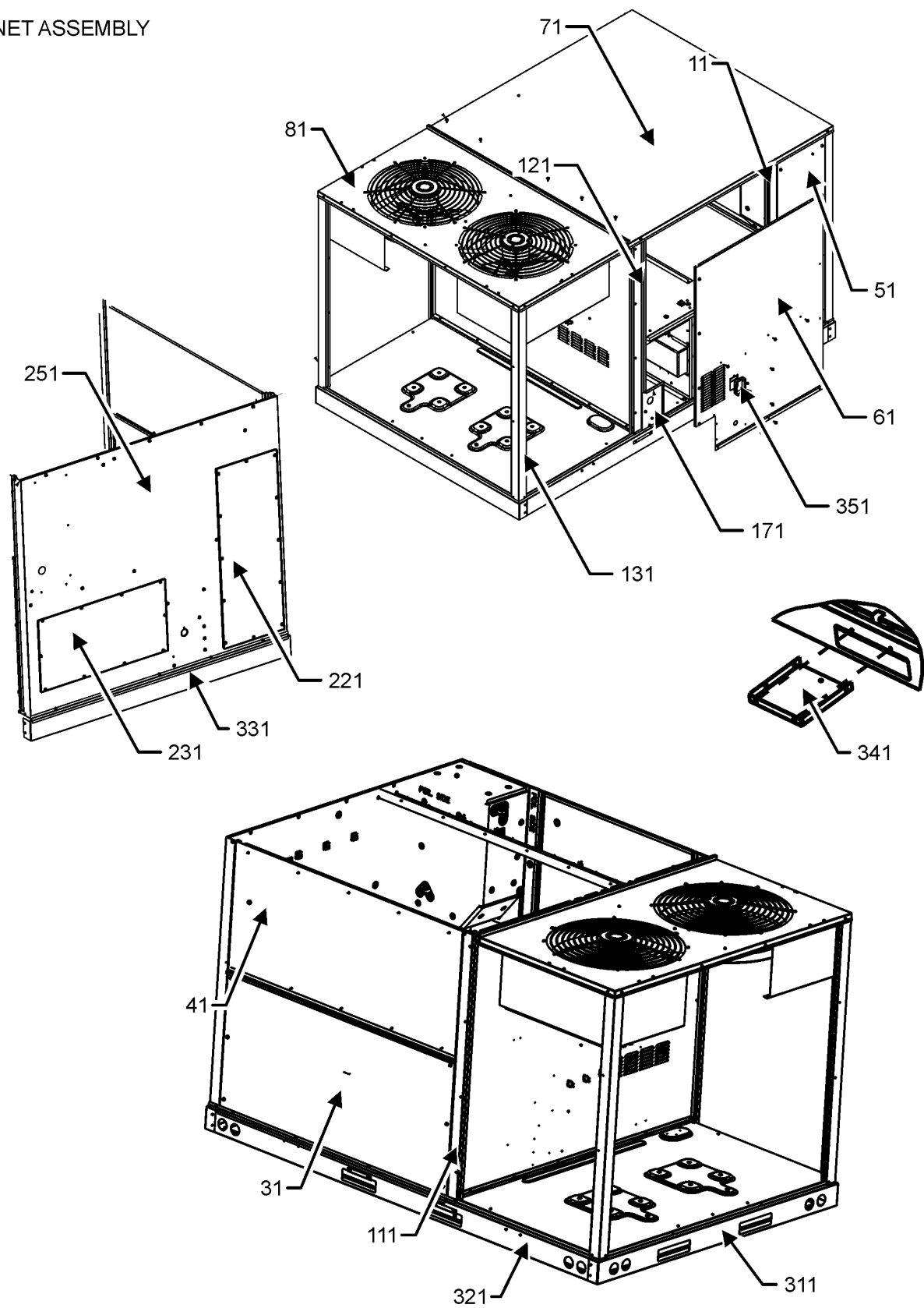
M1 - DHG1023DH00001SAA
 M2 - DHG1023DL00001SAA
 M3 - DHG1023DM00001SAA
 M4 - DHG1024DH00001SAA
 M5 - DHG1024DL00001SAA
 M6 - DHG1024DM00001SAA
 M7 - DHG1027DH00001SAA
 M8 - DHG1027DL00001SAA
 M9 - DHG1027DM00001SAA

SPECIAL PARTS

RP-FIOPM*	ACCESSORY RP MANUAL
RP-HXM*	ACCESSORY RP MANUAL

CABINET ASSEMBLY

CABINET ASSEMBLY



CABINET ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

CABINET ASSEMBLY

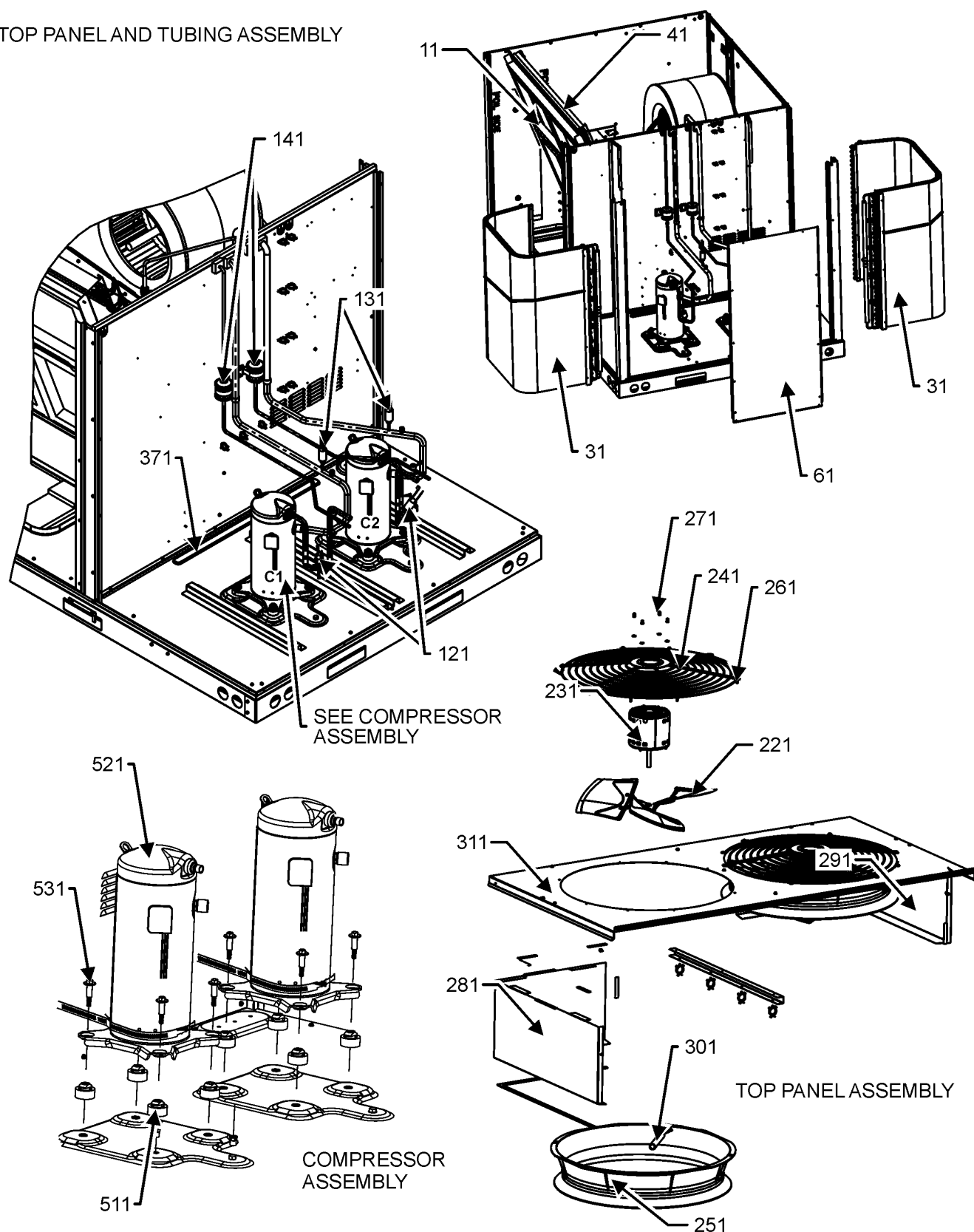
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121L04041SB		PAINTED SIDE POST
31	0121L04312SB		PAINTED, ECONOMIZER PANEL
41	0121L04447SB		PAINTED, PANEL, FILTER
51	0121L02952SB		PAINTED CONTROL PANEL
61	0121L03822SB		PAINTED BLOWER PANEL
71	0121L04551SB		PAINTED, PANEL, TOP INDOOR
81	0121L05353SB		PAINTED, PANEL, TOP OUTDOOR
111	0121L03187SB		PAINTED, SIDE POST
121	0121L03469SB		PAINTED, SIDE POST
131	0121L04552SB		PAINTED, PANEL, CORNER POST (QTY 2)
171	0121L03464SB		PAINTED, GAS ACCESS PANEL
221	0121L03508SB		PAINTED COVER DUCT RETURN
231	0121L02921SB		PAINTED COVER DUCT SUPPLY
251	0121L05575SB		PANEL, DUCT, 8.5 TON-10.0 TON
311	0121L04565		END RAIL
321	0121L04764		SIDE RAIL (QTY 2)
331	0121L05103		RAIL, END
341	0121L03727		BRACKET-FORK BOARD (QTY 4)
351	0121L03481SB		PAINTED BRKT FLUE COLLAR
NS	0141L00084		BOARD FORK (QTY 2)
NS	0121L04612SB		PAINTED COVER-DISC SWITCH
NS	0121L03958SB		PAINTED, DRAIN PAN COVER
NS	0121L03932SB		PNT, CONVENIENCE COVER LT COMM

Expanded Model Nomenclature

M1 - DHG1023DH00001SAA
M2 - DHG1023DL00001SAA
M3 - DHG1023DM00001SAA
M4 - DHG1024DH00001SAA
M5 - DHG1024DL00001SAA
M6 - DHG1024DM00001SAA
M7 - DHG1027DH00001SAA
M8 - DHG1027DL00001SAA
M9 - DHG1027DM00001SAA

TOP PANEL AND TUBING ASSEMBLY

TOP PANEL AND TUBING ASSEMBLY



TOP PANEL AND TUBING ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

TOP PANEL AND TUBING ASSEMBLY

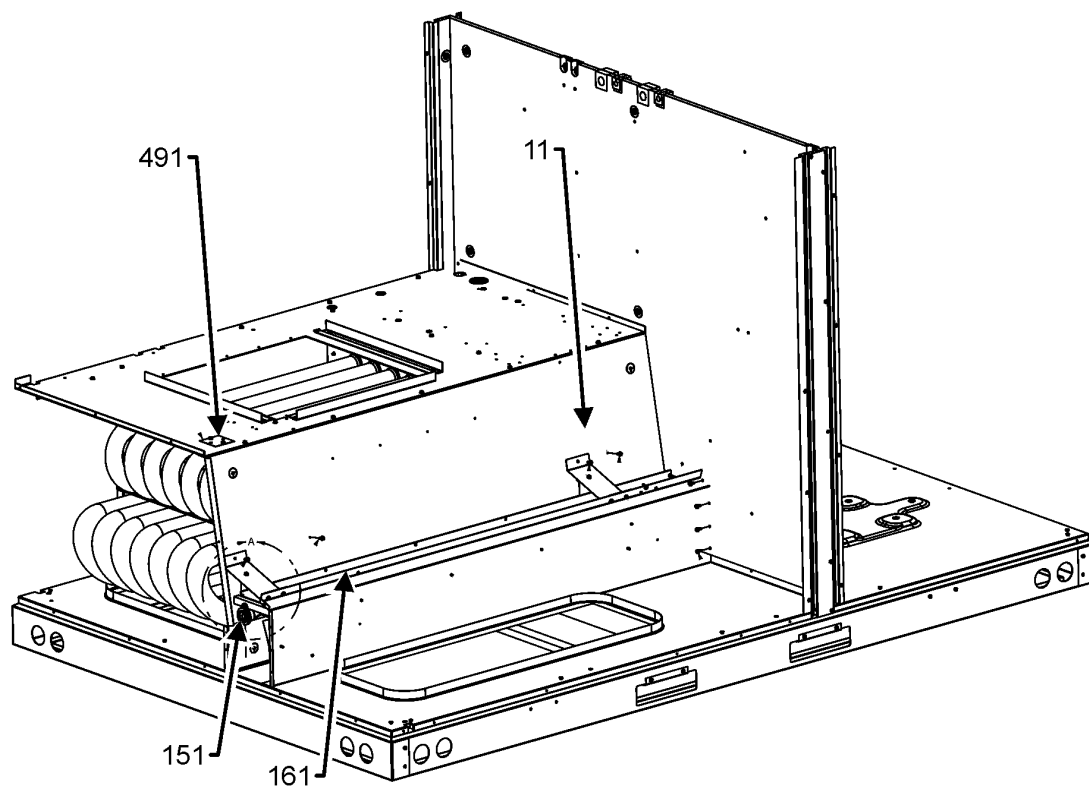
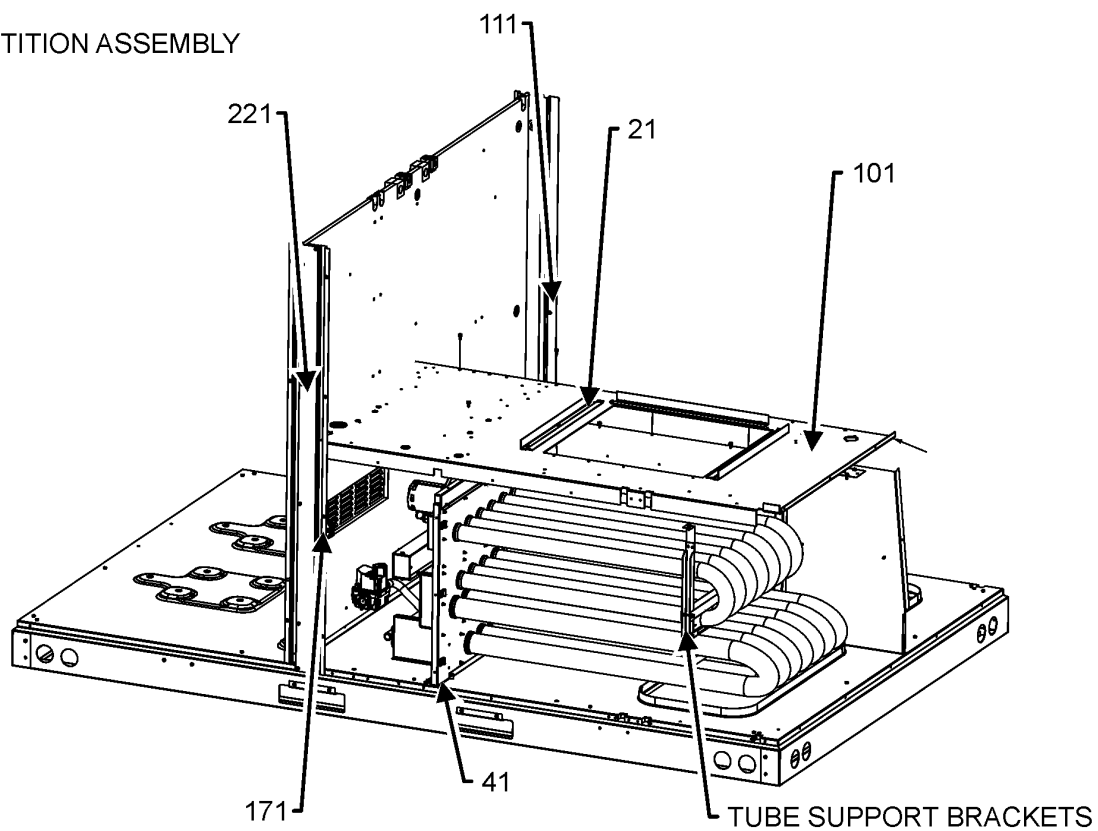
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0270L02974		FILTER RACK ASSEMBLY
31	0201L00608		ASSY. OD COIL CIRCUITING (QTY 2)
41	0202L00733		EVAP COIL CIRCUITING ASSEMBLY
61	0121L05657SB		PAINTED, PANEL, OUTDOOR
121	0130M00730		SWITCH, HIGH PRESSURE (QTY 2)
131	0130M00733		SWITCH, LOW PRESSURE (QTY 2)
141	0162R00056		FILTER/DRIER-BI-FLOW (QTY 2)
221	0150L00003		BLADE-FAN 22" ALUM. CCW 30 DEG (QTY 2)
231	0131M00907		MOTOR, HP, 1/3, OD (M4, M5, M6)
231	0131M00908		MOTOR, HP, 1/3, OD, LAK (M7, M8, M9)
231	0131M00906		MOTOR, HP, 1/3, SP, 1, PL, 6 (M1, M2, M3)
241	0152G00000		FAN GRILLE, RAISED (QTY 2)
251	0161R00048		MOLDED RING VENTURI 22 (QTY 2)
261	0163M00004		SCREW #10X3/4 BLK (QTY 16)
271	0163M00006P		NUT, ACORN 5/16 HEX BLACK (QTY 8)
281	0121L02894		COIL BLOCKOFF
291	0121L02897		COIL BLOCKOFF
301	0161R00124		CONDUIT (QTY 2)
311	0121L05353SB		PAINTED, PANEL, TOP OUTDOOR
371	0121L04115		CHANNEL
511	B1339533		GROMMET, COMPRESSOR (QTY 8)
521	YP44K1TTF5ASC		COMPRESSOR (M1, M2, M3)
521	YP44K1TTFDASC		COMPRESSOR (M4, M5, M6)
521	YP44K1TTFEASC		COMPRESSOR (M7, M8, M9)
531	B1393740		COMP BOLT & SLEEVE (QTY 8)
NS	0160L00137		AIR FILTER (QTY 2)
NS	0160L00267		AIR FILTER (QTY 2)
NS	0159L00066		HARNESS, COMP SCROLL (M4, M5, M6, M7, M8, M9)
NS	0159L00068		HARNESS, COMP SCROLL (M1, M2, M3)
NS	0159L00153		HARNESS, COMP SCROLL (M4, M5, M6, M7, M8, M9)
NS	0159L00154		HARNESS, COMP SCROLL (M1, M2, M3)
NS	0130M00582		SWITCH, THERMO (QTY 2)
NS	0251L00265		TXV, & FLOWRATOR ASSY
NS	0251L00266		TXV, & FLOWRATOR ASSY
NS	M0272803		WASHER LOCK (QTY 2)
NS	0163M00005P		WASHER, BLACK .50OD.218ID (QTY 8)

Expanded Model Nomenclature

M1 - DHG1023DH00001SAA
M2 - DHG1023DL00001SAA
M3 - DHG1023DM00001SAA
M4 - DHG1024DH00001SAA
M5 - DHG1024DL00001SAA
M6 - DHG1024DM00001SAA
M7 - DHG1027DH00001SAA
M8 - DHG1027DL00001SAA
M9 - DHG1027DM00001SAA

PARTITION ASSEMBLY

PARTITION ASSEMBLY



PARTITION ASSEMBLY

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

11	0121L05504	PANEL, BLOWER DECK BOTTOM
21	0121L05524	BLOWER SLIDE PLATE (QTY 3)
41	0121L02337	HEAT EXCHANGER RAIL
41	0121L03676	HEAT EXCHANGER RAIL
101	0121L05380	PANEL, BLOWER DECK
111	0121L03187SB	PAINTED SIDE POST
151	0154L00180	GASKET, DRAIN PAN
161	0161L00002	DRAIN PAN EVAP 7TO12
171	11112501	SWITCH-PRESSURE
221	0121L03469SB	PAINTED SIDE POST
491	0121L00321	COVER SMOKE DETECTOR
NS	0121L02903	BRACKET, TUBE SUPPORT
NS	0121L02904	BRACKET, TUBE SUPPORT
NS	0121L04886	BRACKET, TUBE SUPPORT
NS	0121L02929	BRACKET,MOUNT SUPPORT TUBE
NS	0154L00157	GASKET
NS	0163L00071	PLUG, DRAIN

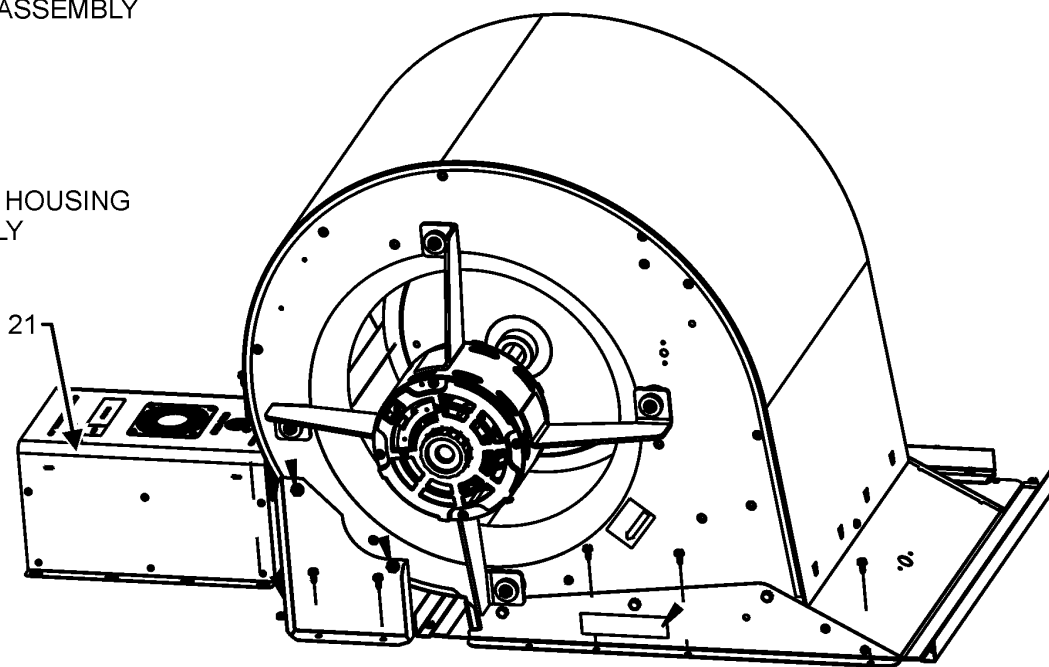
Expanded Model Nomenclature

M1 - DHG1023DH00001SAA
M2 - DHG1023DL00001SAA
M3 - DHG1023DM00001SAA
M4 - DHG1024DH00001SAA
M5 - DHG1024DL00001SAA
M6 - DHG1024DM00001SAA
M7 - DHG1027DH00001SAA
M8 - DHG1027DL00001SAA
M9 - DHG1027DM00001SAA

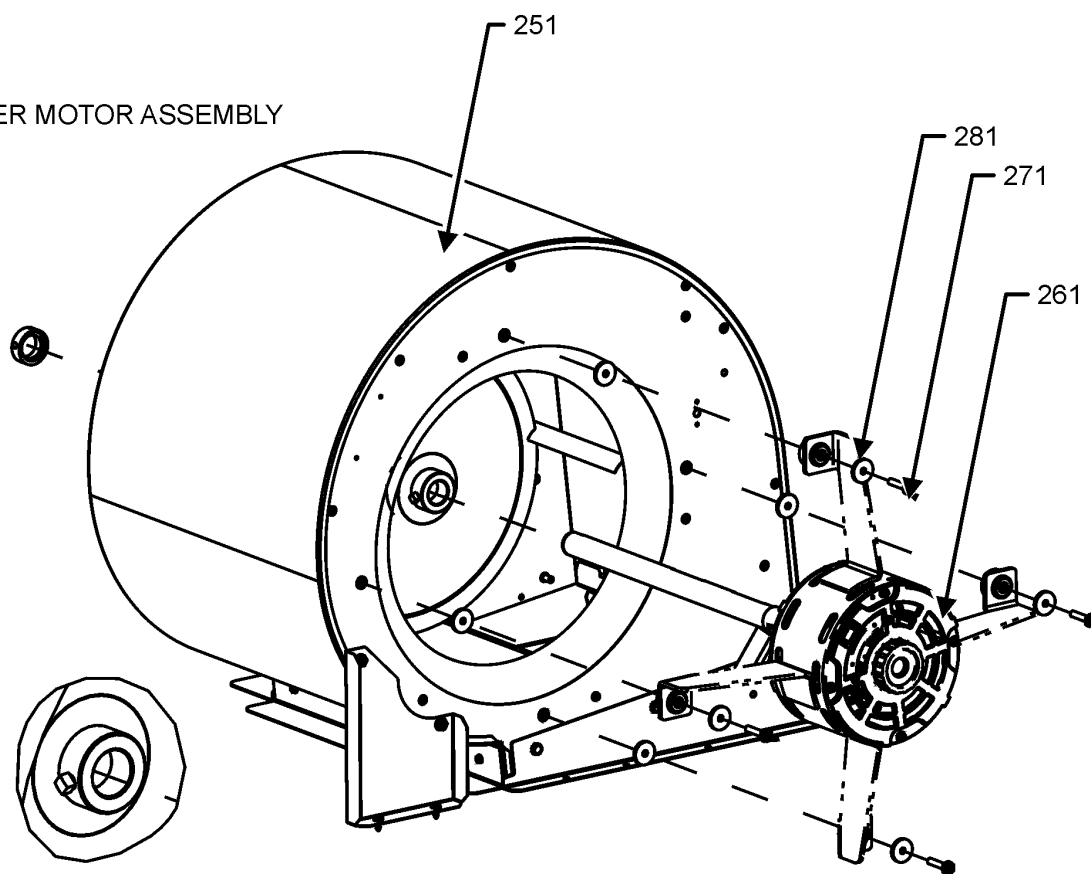
BLOWER ASSEMBLY

BLOWER ASSEMBLY

BLOWER HOUSING ASSEMBLY



BLOWER MOTOR ASSEMBLY



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

BLOWER ASSEMBLY

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

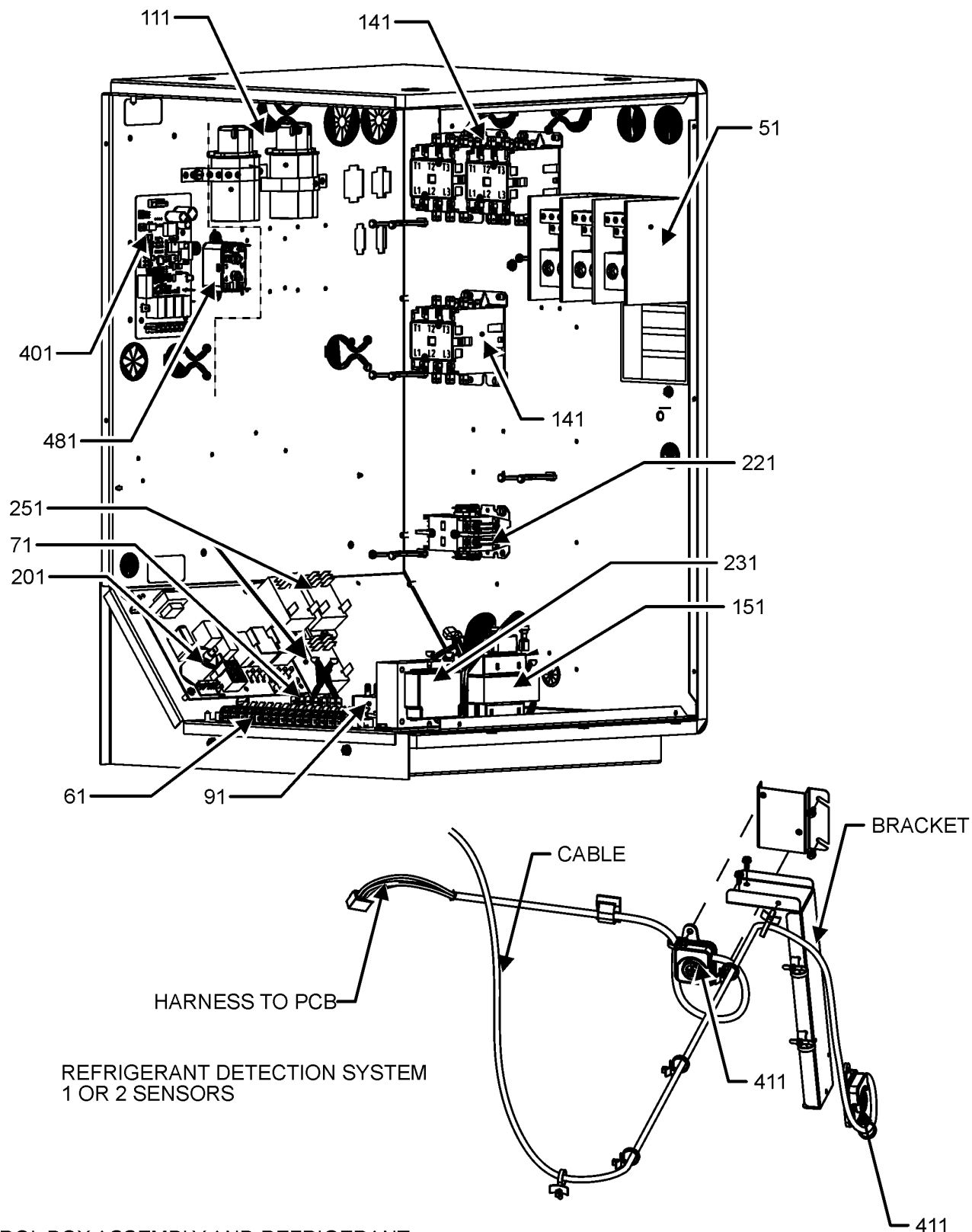
21	0131L00154	PROGRAMMED MOTOR CONTROLLER (M2, M5, M8)
21	0131L00196	PROGRAMMED MOTOR CONTROLLER (M3, M6, M9)
21	0131L00218	PROGRAMMED MOTOR CONTROLLER (M1, M4, M7)
251	0271L00147	ASSY, BLOWER PURCHASED 16X16
261	0131L00175	MOTOR, BLOWER (M1, M2, M3)
261	0131L00176	MOTOR, BLOWER (M4, M5, M6)
261	0131L00177	MOTOR, BLOWER (M7, M8, M9)
271	M0250565	SCREW-TC 1.25" (QTY 4)
281	B1392918	WASHER FLAT 1/4IDX1OD (QTY 8)
NS	20162904	LIMIT, PRIMARY

Expanded Model Nomenclature

M1 - DHG1023DH00001SAA
M2 - DHG1023DL00001SAA
M3 - DHG1023DM00001SAA
M4 - DHG1024DH00001SAA
M5 - DHG1024DL00001SAA
M6 - DHG1024DM00001SAA
M7 - DHG1027DH00001SAA
M8 - DHG1027DL00001SAA
M9 - DHG1027DM00001SAA

CONTROL BOX AND REFRIGERANT ASSY

CONTROL BOX ASSEMBLY AND REFRIGERANT DETECTION SYSTEM



CONTROL BOX ASSEMBLY AND REFRIGERANT
DETECTION SYSTEM MAY DIFFER FROM WHAT IS SHOWN

CONTROL BOX AND REFRIGERANT ASSY

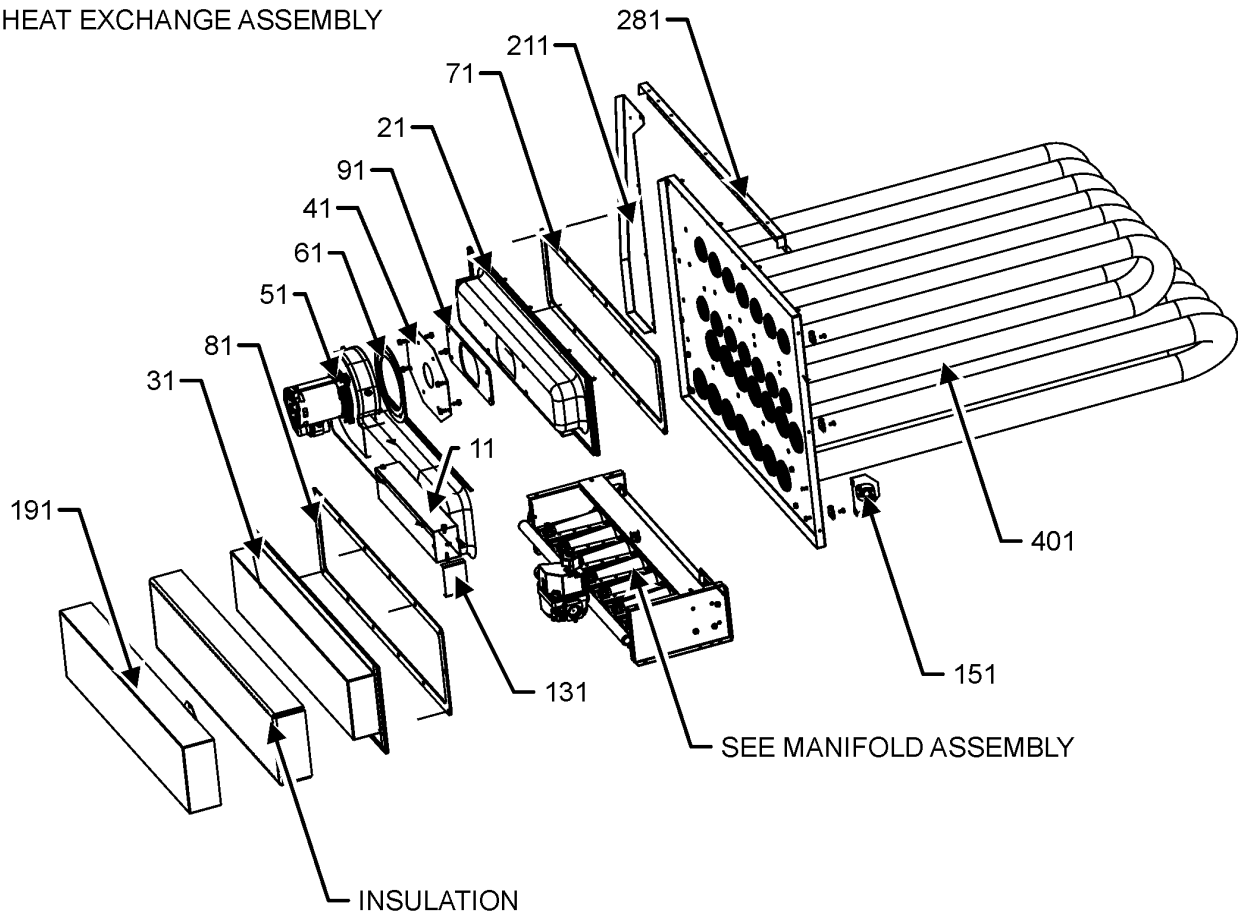
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
51	0130L00217		POWER,BLOCK
61	0130M00038		TERMINAL BOARD
71	802007090		TERM BOARD
91	B1370772		TIME DEALY ICM 180SEC DELA
111	CAP100000370LA		CAP, 10 MFD/370V/OVAL (M1, M2, M3, M4, M5, M6)
111	CAP050000440LA		CAPACITOR (M7, M8, M9)
141	CONT3P030024D		CONT, 3 POLE, 30 AMP, 24VAC (QTY 3)
151	0130M00858		TRANSFORMER (M4, M5, M6)
151	0130M00859		TRANSFORMER (M1, M2, M3)
151	0130M00861		TRANSFORMER (M7, M8, M9)
201	PCBAG123		PCB IGNITION DSI INTEG
221	CONT2P030024D		CONT, 2 POLE, 30 AMP, 24VAC
231	0130M00860		TRANSFORMER (M7, M8, M9)
231	0130M00862		TRANSFORMER (M4, M5, M6)
251	0130M00178		DPDT RELAY 24VAC (QTY 3)
401	PCBCM301V0001		PCB CONTROL AIR HANDLER
411	SER2A08012		SENSATA R32 SENSOR
481	10135604		RELAY
NS	0164M00127		BOOT, CAPACITOR (QTY 2)
NS	20520901		STRAP-CAPACITOR (QTY 7)
NS	0259L02282		WIRE HARNESS ASSY
NS	0259L02449		WIRE HARNESS ASSY

Expanded Model Nomenclature

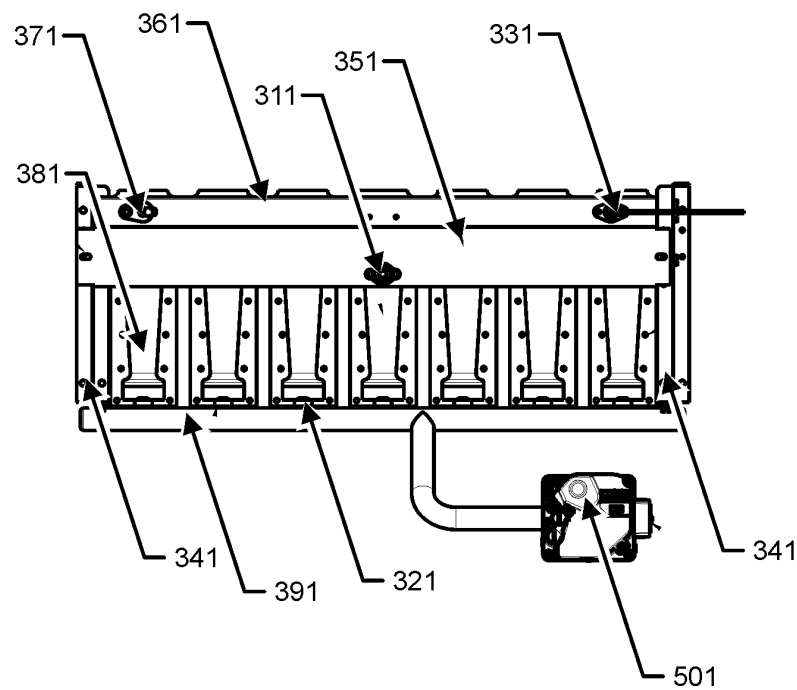
M1 - DHG1023DH00001SAA
M2 - DHG1023DL00001SAA
M3 - DHG1023DM00001SAA
M4 - DHG1024DH00001SAA
M5 - DHG1024DL00001SAA
M6 - DHG1024DM00001SAA
M7 - DHG1027DH00001SAA
M8 - DHG1027DL00001SAA
M9 - DHG1027DM00001SAA

HEAT EXCHANGE ASSEMBLY

HEAT EXCHANGE ASSEMBLY



MANIFOLD ASSEMBLY



HEAT EXCHANGE ASSY MAY DIFFER FROM WHAT IS SHOWN

HEAT EXCHANGE ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121L03623		FLUE HT EXCH (QTY 2)
21	0121L01666		COLLECTOR BOX
31	0121L01667		COLLECTOR BOX
41	0121L03105		PLATE, ORIFICE (M1, M4, M7)
41	0121L03193		PLATE, ORIFICE (M2, M5, M8)
41	0121L03195		PLATE, ORIFICE (M3, M6, M9)
51	0131L00120		VENT MOTOR
61	0154L00141		GASKET
71	0154L00039		GASKET
81	0154L00038		GASKET
91	0154L00040		GASKET
131	0163L00006		SCREEN FLUE
151	20162901		LIMIT, PRIMARY
191	0121L02660		COVER INSUL BOX COLL LOWER
211	0121L03220		HEAT EXCHANGER BLOCKOFF
281	0121L03221		SUPPORT BLOCKOFF HT EXCH
311	10123527		LIMIT-RESET MAN-BROWN (M3, M6, M9)
311	10123532		LIMIT-RESET MAN-GRAY (M1, M2, M4, M5, M7, M8)
321	0163L00020		ORIFICE (M1, M4, M7)
321	0163L00021		ORIFICE (M3, M6, M9)
321	0163L00195		ORIFICE (M2, M5, M8)
331	0130L00251		IGNITOR
341	0121L02998		BRACKET SUPPORT BURNER (QTY 2)
351	0121L03025		BRACKET, ROLLOUT, FLAME, BR, 5 (M2, M5, M8)
351	0121L03024		BRACKET, ROLLOUT, FLAME, BR, 6 (M3, M6, M9)
351	0121L03023		BRACKET, ROLLOUT, FLAME, BR, 7 (M1, M4, M7)
361	0121L05019		BRACKET, 7 BURNER (M1, M4, M7)
361	0121L02692		BRACKET, BURNER, 5 (M2, M5, M8)
361	0121L02691		BRACKET, BURNER, 6 (M3, M6, M9)
371	0130F00010		FLAME SENSOR
381	0163L00006		BURNER BECKETT
391	0163L00144		MANIFOLD (M1, M4, M7)
391	0163L00145		MANIFOLD (M3, M6, M9)
391	0163L00162		MANIFOLD (M2, M5, M8)
401	0270L01355		ASSY., PANEL PARTITION (M1, M4, M7)
401	0270L01356		ASSY., PANEL PARTITION (M3, M6, M9)
401	0270L01357		ASSY., PANEL PARTITION (M2, M5, M8)
501	0151L00000		GAS VALVE MANIFOLD 36H
NS	0121L02859		BRACKET, LIMIT PRIMARY
NS	0259L01055		WIRE HARNESS ASSY

Expanded Model Nomenclature

M1 - DHG1023DH00001SAA
M2 - DHG1023DL00001SAA
M3 - DHG1023DM00001SAA
M4 - DHG1024DH00001SAA
M5 - DHG1024DL00001SAA
M6 - DHG1024DM00001SAA
M7 - DHG1027DH00001SAA
M8 - DHG1027DL00001SAA
M9 - DHG1027DM00001SAA

ACCESSORY PARTS LIST

NOTE: NOT ALL OPTIONS AVAILABLE FOR ALL PRODUCTS

FOR ACCESSORY PARTS SEE THE FOLLOWING PART MANUAL

RP-FIOPMC

Ref. Part**No: No:****Description:****Ref. Part****No: No:****Description:**

Image 1:

NS RP-FIOPM* ACCESSORY RP MANUAL
NS RP-HXM* ACCESSORY RP MANUAL

Expanded Model Nomenclature

M1 - DHG1023DH00001SAA
M2 - DHG1023DL00001SAA
M3 - DHG1023DM00001SAA
M4 - DHG1024DH00001SAA
M5 - DHG1024DL00001SAA
M6 - DHG1024DM00001SAA
M7 - DHG1027DH00001SAA
M8 - DHG1027DL00001SAA
M9 - DHG1027DM00001SAA