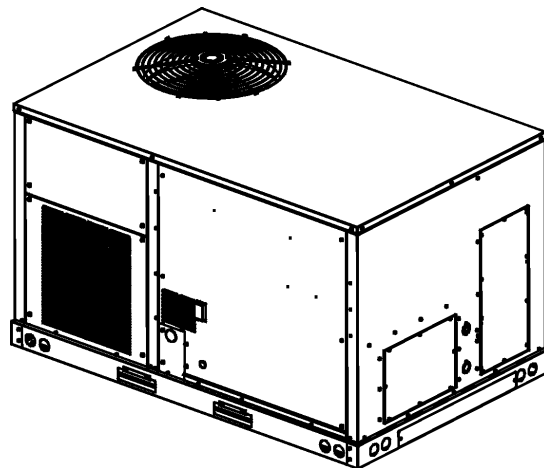


DHG Commercial 4 Ton Package Gas Unit

DHG0481DH00001SAA
DHG0481DL00001SAA
DHG0481DM00001SAA
DHG0483DH00001SAA
DHG0483DL00001SAA
DHG0483DM00001SAA
DHG0484DH00001SAA
DHG0484DL00001SAA
DHG0484DM00001SAA
DHG0487DH00001SAA
DHG0487DL00001SAA
DHG0487DM00001SAA



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:

0163F00017	BECKETT BURNER (QTY 6)
10625733	BLADE-FAN 22" ALUM CCW
0131M00121	BLOWER-ID COMBUSTION (M2, M3, M5, M6, M8, M9, M11, M12)
CAP050000370LA	CAP, 5 MFD/370V/OVAL (M4, M5, M6)
CAP050350440CS	CAP, 5/35 MFD/440V/DUAL RD (M1, M2, M3)
CAP040000370VA	CAPACITOR (M7, M8, M9)
CAP030000440LA	CAPACITOR (M10, M11, M12)
YPS40K1TTFEASC	COMPRESSOR (M10, M11, M12)
YPS40K1TTF5ASC	COMPRESSOR (M4, M5, M6)
YPS40K1TPFVASC	COMPRESSOR (M1, M2, M3)
YPS40K1TTFDASC	COMPRESSOR (M7, M8, M9)
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2, M3)
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2, M3, M4, M5, M6)
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24 VAC (M4, M5, M6, M7, M8, M9, M10, M11, M12)
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24 VAC (M7, M8, M9, M10, M11, M12)
0130M00178	DPDT RELAY 24VAC (QTY 3)
0130M00962	FLAME SENSOR
0130M00583	FREEZE STAT
0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE
20261709	IGNITOR
0130F00035	LIMIT, PRIMARY (M1, M3, M4, M6, M7, M9, M10, M12)
20162904	LIMIT, PRIMARY
20162901	LIMIT, PRIMARY (M2, M5, M8, M11)
10123532	LIMIT-RESET MAN-GRAY
0131M00963	MOTOR 1/6H.P., 1SP, 8PL (M10, M11, M12)
0131M00964	MOTOR 1/6H.P., 1SP, 8PL (M1, M2, M3, M4, M5, M6)
0131M00962	MOTOR 1/6H.P., 1SP, 8PL (M7, M8, M9)
0131L00676	MOTOR- PROGRAMMED (M7, M10)
0131L00669	MOTOR- PROGRAMMED (M3, M6)
0131L00670	MOTOR- PROGRAMMED (M2, M5)
0131L00671	MOTOR- PROGRAMMED (M1, M4)
0131L00675	MOTOR- PROGRAMMED (M9, M12)
0131L00674	MOTOR- PROGRAMMED (M8, M11)
PCBCM301V0001	PCB CONTROL CIR HANDLER
PCBAG123	PCB, IGNITION,DSI, INTEG
10135604	RELAY
SER2A08012	SENSATA R32 SENSOR
0130M00730	SWITCH, HIGH PRESSURE
0130M00732	SWITCH, LOW PRESSURE
11112501	SWITCH-PRESSURE
0130M00038	TERMINAL BOARD
0130M00861	TRANSFORMER (M10, M11, M12)
0130M00862	TRANSFORMER (M7, M8, M9)
0130M00860	TRANSFORMER (M10, M11, M12)
0130M00859	TRANSFORMER (M1, M2, M3, M4, M5, M6, M7, M8, M9)
0131L00002	VENT MOTOR (M1, M4, M7, M10)

SPECIAL PARTS

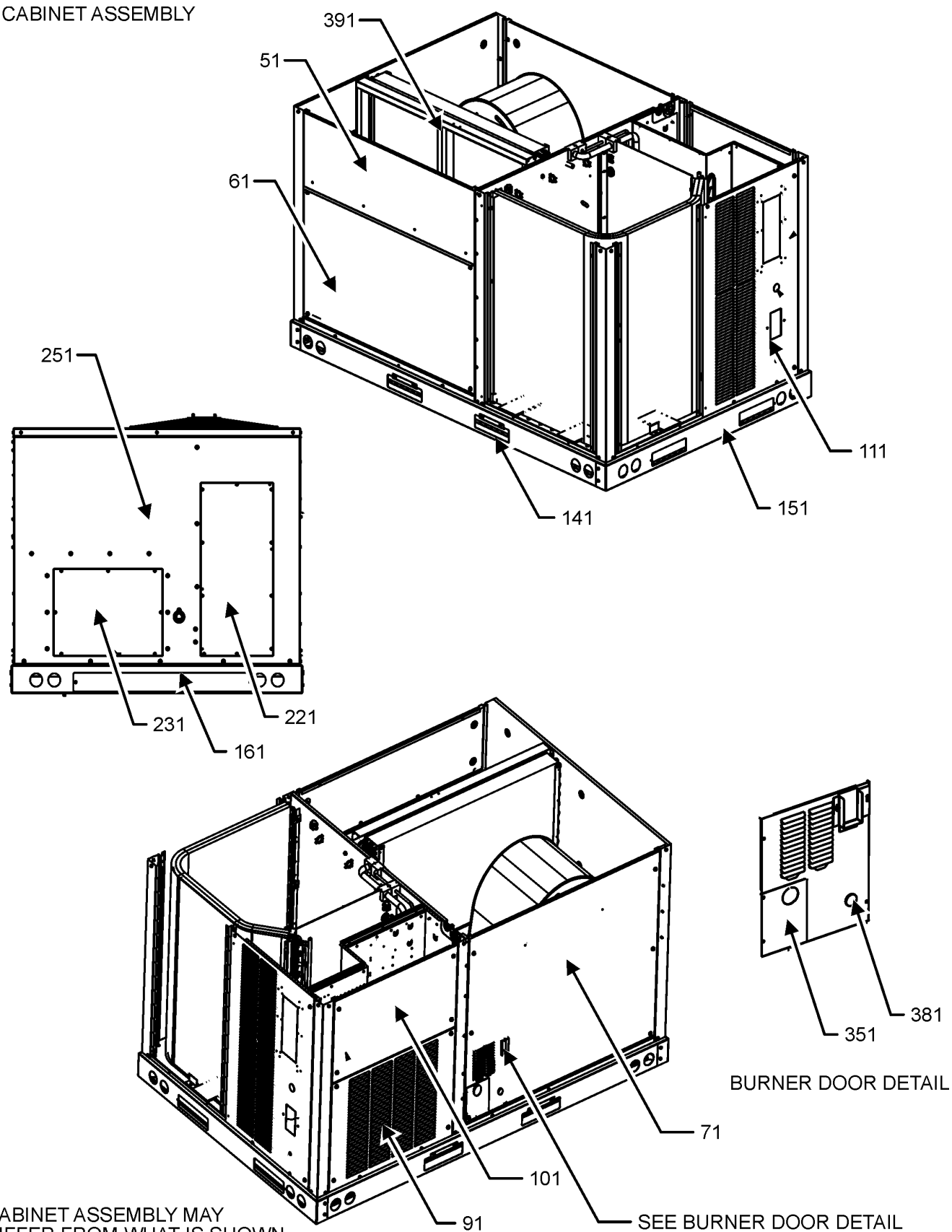
RP-FIOPS*	ACCESSORY RP MANUAL
RP-HXS*	HEAT EXCHANGE MANUAL
RP-EHS(D/B)*	HEATER KIT RP MANUAL
RP-EHX(D/B)*	HEATER KIT RP MANUAL

Expanded Model Nomenclature

M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA

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:

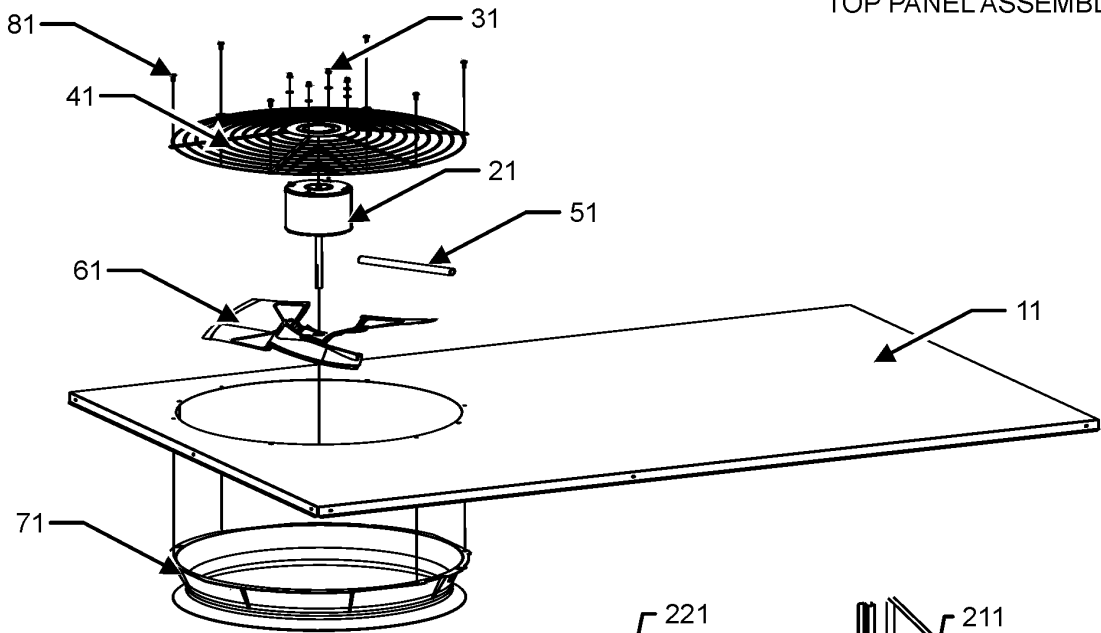
51	0121L01650SB	PAINTED FILTER PANEL
61	0121L01651SB	PAINTED ECONOMIZER PANEL
71	0121L03627SB	PAINTED, PANEL GAS BLOWER
91	0121L02265SB	PAINTED COMPRESSOR PANEL
101	0121L02262SB	PAINTED CONTROL BOX PANEL
111	0121L03643SB	PAINTED, COMPRESSOR BACK PANEL
141	0121L04850	RAIL, SIDE (QTY 2)
151	0121L01621	END RAIL
161	0121L04776	END RAIL
221	0121L02910SB	PAINTED COVER-DUCT RETURN
231	0121L02911SB	PAINTED COVER-DUCT SUPPLY
251	0121L05502SB	PAINTED BACK PANEL
351	0121L03443SB	PAINTED, GAS INLET PANEL
381	B1392139	VIEW PORT BUSHING, CLEAR 1.00
391	0270L01442	ASSY., FILTER HOLDER
NS	0160L00173	AIR FILTER (QTY 4)
NS	B1910010	GAS LINE GROMMET
NS	0121L03931	HEAT EXCHANGER FLASHING
NS	0121L03288SB	PAINTED, COLLAR, FLUE

Expanded Model Nomenclature

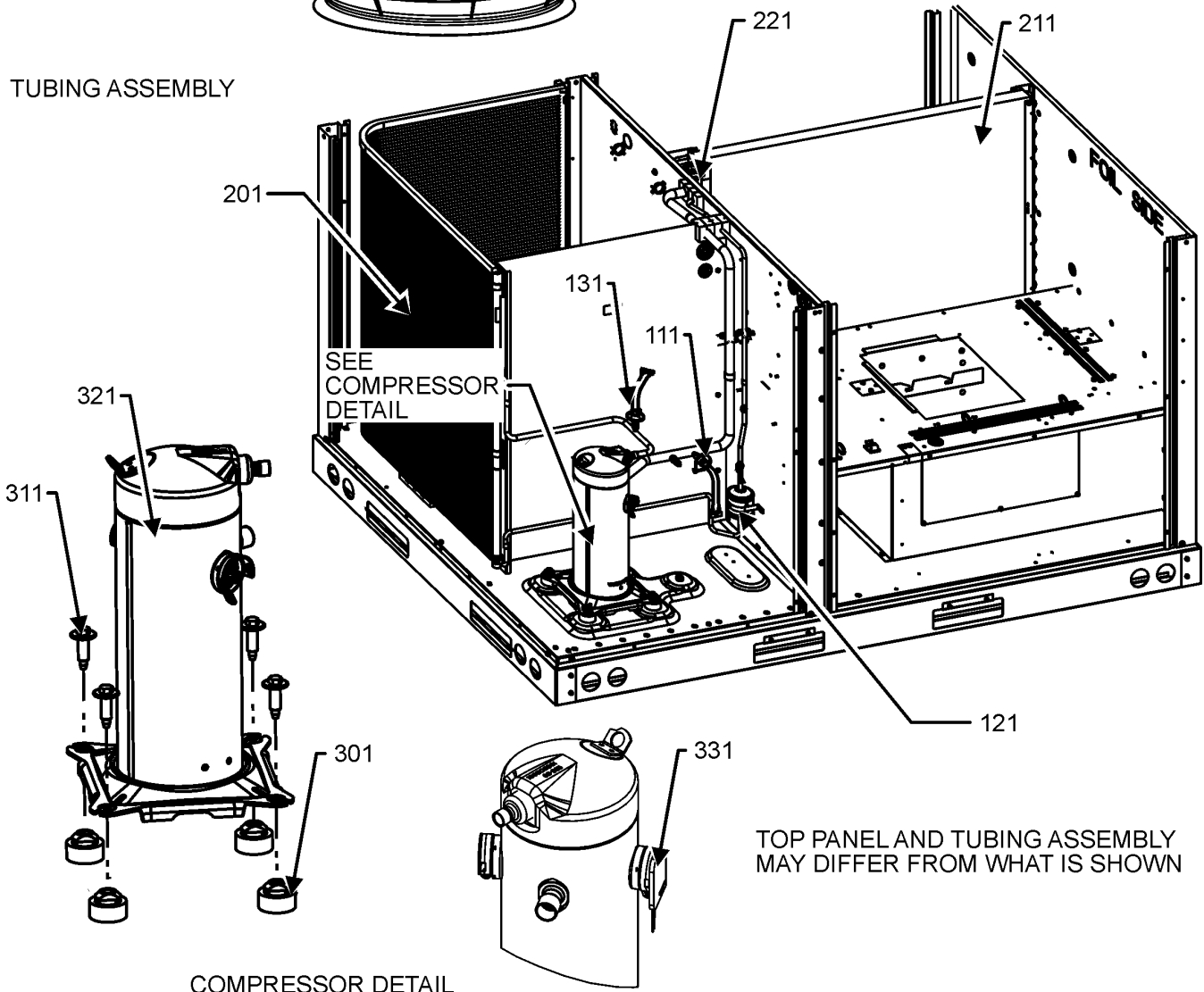
M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA

TOP PANEL AND TUBING ASSEMBLY

TOP PANEL ASSEMBLY



TUBING ASSEMBLY



TOP PANEL AND TUBING ASSEMBLY
MAY DIFFER FROM WHAT IS SHOWN

COMPRESSOR DETAIL

TOP PANEL AND TUBING ASSEMBLY

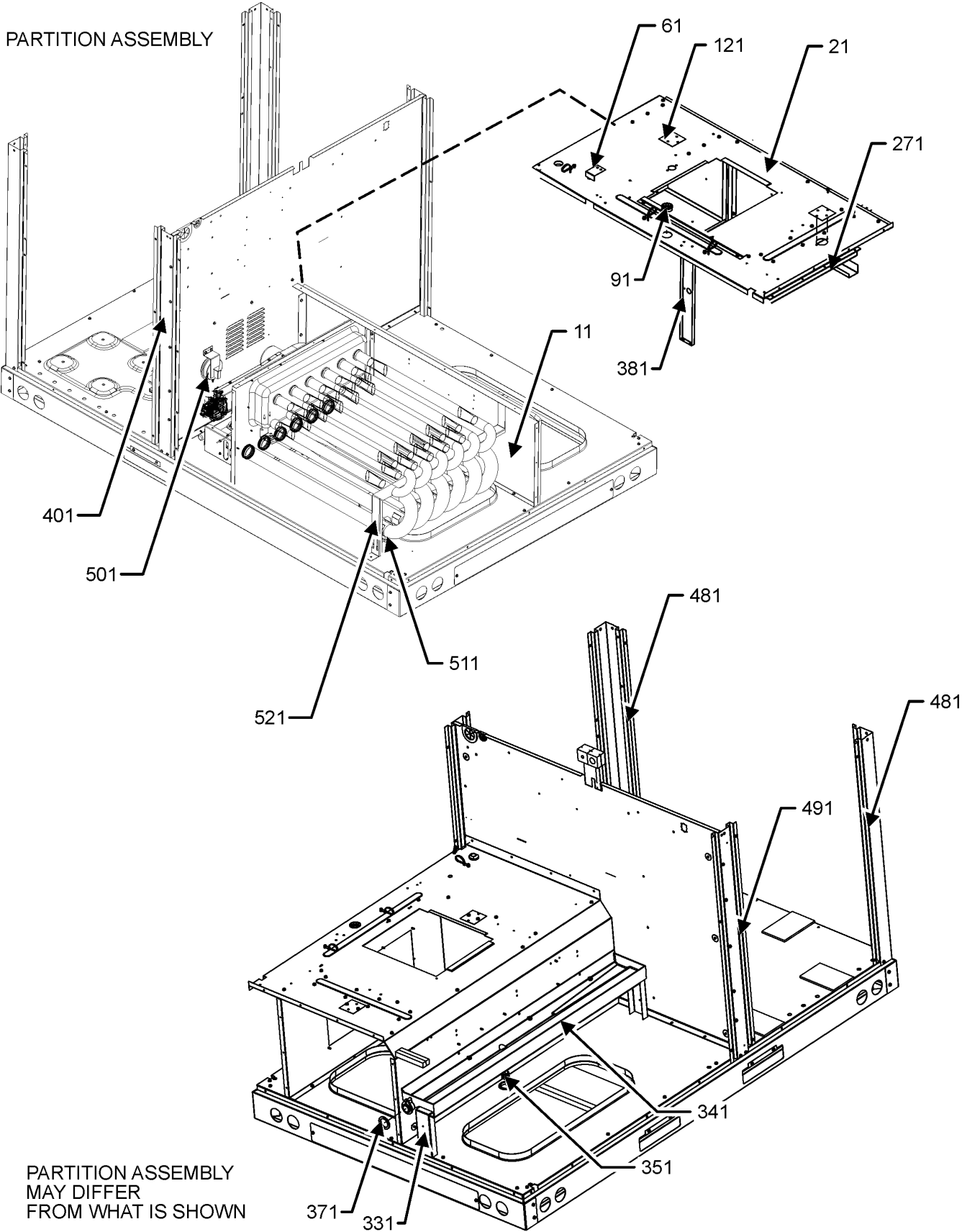
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121L01626SB		PAINTED, TOP PANEL
21	0131M00962		MOTOR 1/6H.P., 1SP, 8PL (M7, M8, M9)
21	0131M00963		MOTOR 1/6H.P., 1SP, 8PL (M10, M11, M12)
21	0131M00964		MOTOR 1/6H.P., 1SP, 8PL (M1, M2, M3, M4, M5, M6)
31	0163M00006P		ACORN NUT 5/16 HEX BLACK (QTY 4)
41	0152G00000		FAN GRILLE, RAISED
51	0161R00124		CONDUIT
61	10625733		BLADE-FAN 22" ALUM CCW
71	0161L00015		RING, VENTURI 22"
81	0163M00004		SCREW #10X3/4", BLACK (QTY 8)
111	0130M00732		SWITCH, LOW PRESSURE
121	0162R00056		FILTER/DRIER-BI-FLOW
131	0130M00730		SWITCH, HIGH PRESSURE
201	0201L00516		ASSY., COIL SLAB CIRCUIT
211	0202L00728		ID COIL TUBING ASSEMBLY
221	0130M00583		FREEZE STAT
301	B1339533		COMPRESSOR GROMMET (QTY 4)
311	B1393740		COMP. BOLT & SLEEVE (QTY 4)
321	YPS40K1TPFVASC		COMPRESSOR (M1, M2, M3)
321	YPS40K1TTF5ASC		COMPRESSOR (M4, M5, M6)
321	YPS40K1TTFDASC		COMPRESSOR (M7, M8, M9)
321	YPS40K1TTFEASC		COMPRESSOR (M10, M11, M12)
331	0159L00027		HARNESS-COMP SCROLL (M1, M2, M3)
331	0159L00065		HARNESS-COMP SCROLL (M4, M5, M6, M7, M8, M9, M10, M11, M12)
NS	0141L00003X		BOARD-FORK (QTY 2)
NS	0159G00010		CABLE, COMPR SCROLL
NS	0251L00241		EXPANSION VALVE ASSEMBLY
NS	0121L03516		PNL, BRACKET, FORK BOARD (QTY 4)
NS	0163M00005P		WASHER, BLACK (.50 OD .218ID) (QTY 4)

Expanded Model Nomenclature

M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA

PARTITION ASSEMBLY

PARTITION ASSEMBLY



PARTITION ASSEMBLY
MAY DIFFER
FROM WHAT IS SHOWN

PARTITION ASSEMBLY

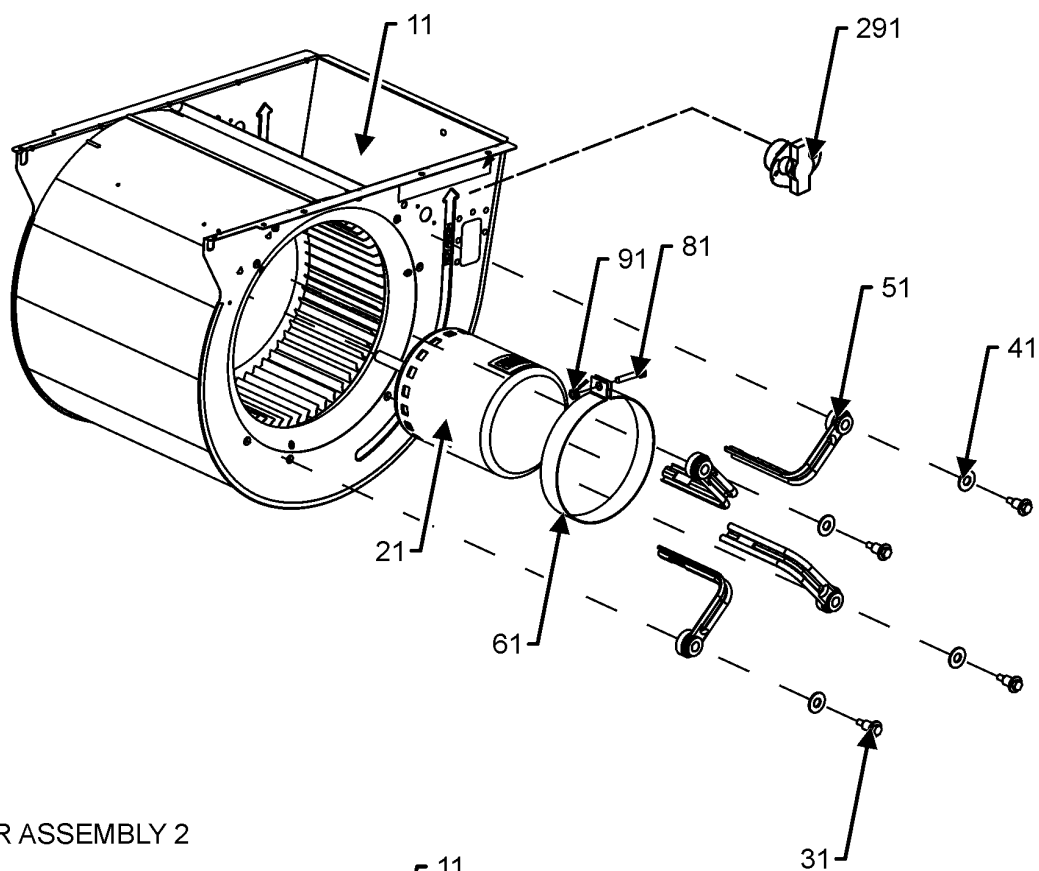
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121L05686		SIDE, BLOWER DECK
21	0121L05160		PANEL, BLOWER DECK
61	0121L01709		BLOWER DECK PLATE
91	B1392147		UNIVERSIAL BUSHING WITH SLICE
121	0121L00321		COVER-SMOKE DETECTOR (QTY 2)
271	0121L02633		BLOWER DECK U-BRACKET
331	0121L01635		DRAINPAN SUPPORT
341	0161L00007		DRAIN PAN, EVAPORATOR 3-5 TON
351	0163L00071		PLUG, DRAIN
371	0154L00180		GASKET, DRAIN PAN
381	0121L00300		POST-DECK SUPPORT
401	0121L03445SB		PAINTED, SIDE POST
481	0121L01625SB		POST, CORNER (QTY 2)
491	0121L04308SB		PAINTED, SIDE POST
501	11112501		SWITCH-PRESSURE
511	0121L02935		BRACKET, SUPPORT, TUBE
521	0121L03320		BRACKET, TUBE SUPPORT
NS	0164M00111		GROMMET-D
NS	0164G00005		GROMMET-HORSESHOW 1.675

Expanded Model Nomenclature

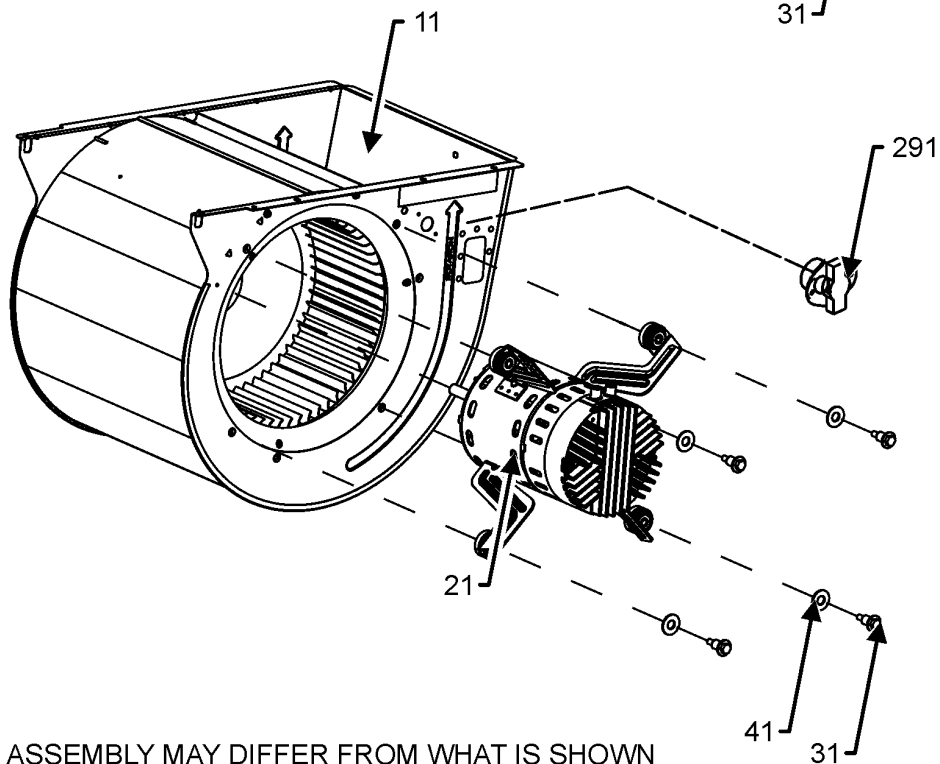
M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA

BLOWER ASSEMBLY

BLOWER ASSEMBLY 1



BLOWER ASSEMBLY 2



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

BLOWER ASSEMBLY

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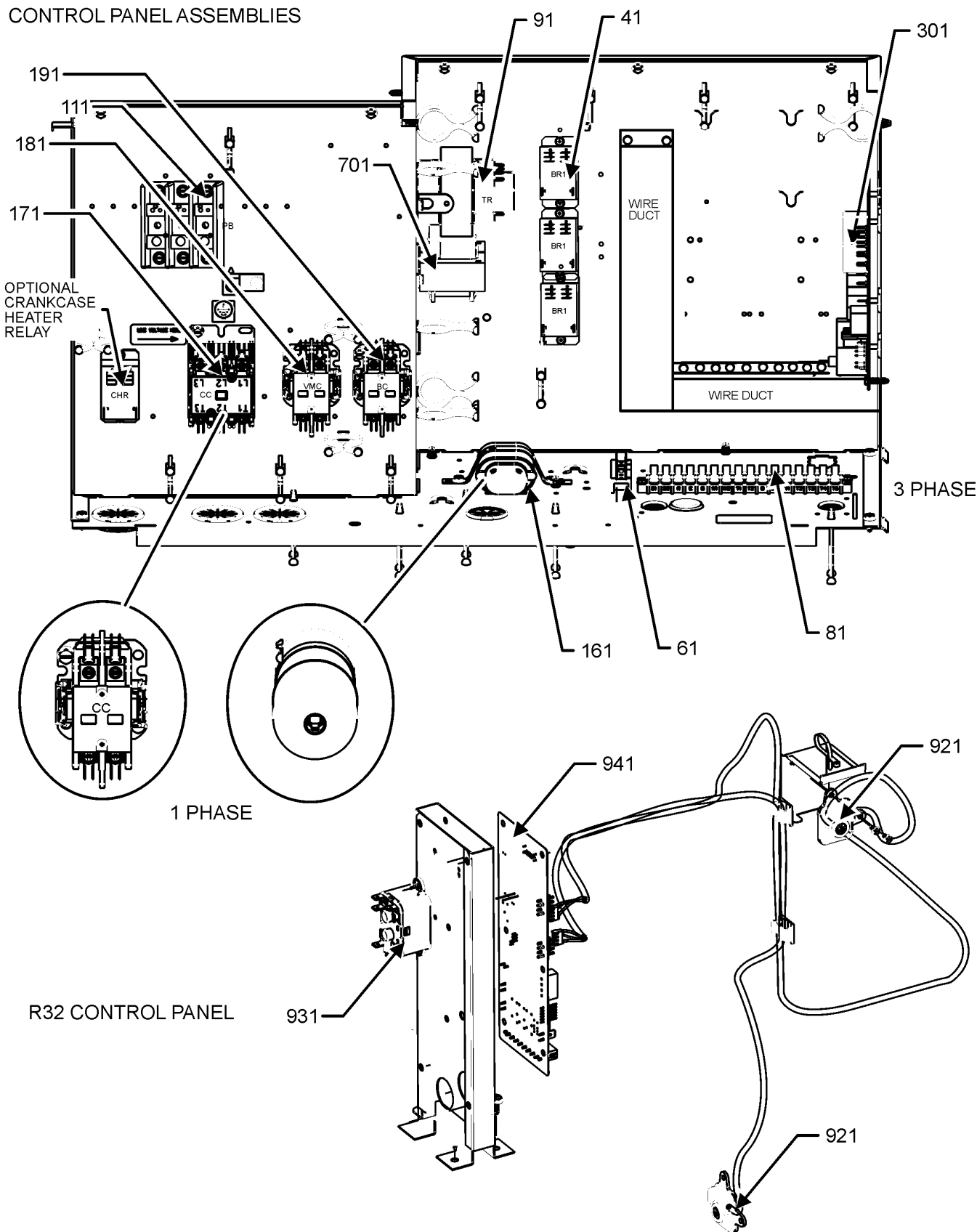
Image 1:

11	0271L00137	ASSY., BLOWER HOUSING (M7, M8, M9, M10, M11, M12)
11	0271L00133	ASSY., HOUSING, BLWR (M1, M2, M3, M4, M5, M6)
21	0131L00669	MOTOR- PROGRAMMED (M3, M6)
21	0131L00670	MOTOR- PROGRAMMED (M2, M5)
21	0131L00671	MOTOR- PROGRAMMED (M1, M4)
21	0131L00674	MOTOR- PROGRAMMED (M8, M11)
21	0131L00675	MOTOR- PROGRAMMED (M9, M12)
21	0131L00676	MOTOR- PROGRAMMED (M7, M10)
31	M0250565	SCREW-TC 1.25" (QTY 4)
41	B1392918	WASHER, FLAT 1/4 ID X 1 OD (QTY 4)
51	0163A00008	MOTOR MOUNTING ARM (M1, M2, M3, M4, M5, M6)
61	10441601	BAND-MTR MOUNT (M1, M2, M3, M4, M5, M6)
81	0163M00320	HEX HEAD ALL THREAD TAP BOLT (M1, M2, M3, M4, M5, M6)
91	B1393800	LOCKNUT, NYLON, INSERT 1/4,20 (M1, M2, M3, M4, M5, M6)
291	20162904	LIMIT, PRIMARY

Expanded Model Nomenclature

M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA

CONTROL BOX ASSEMBLY



CONTROL PANEL ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

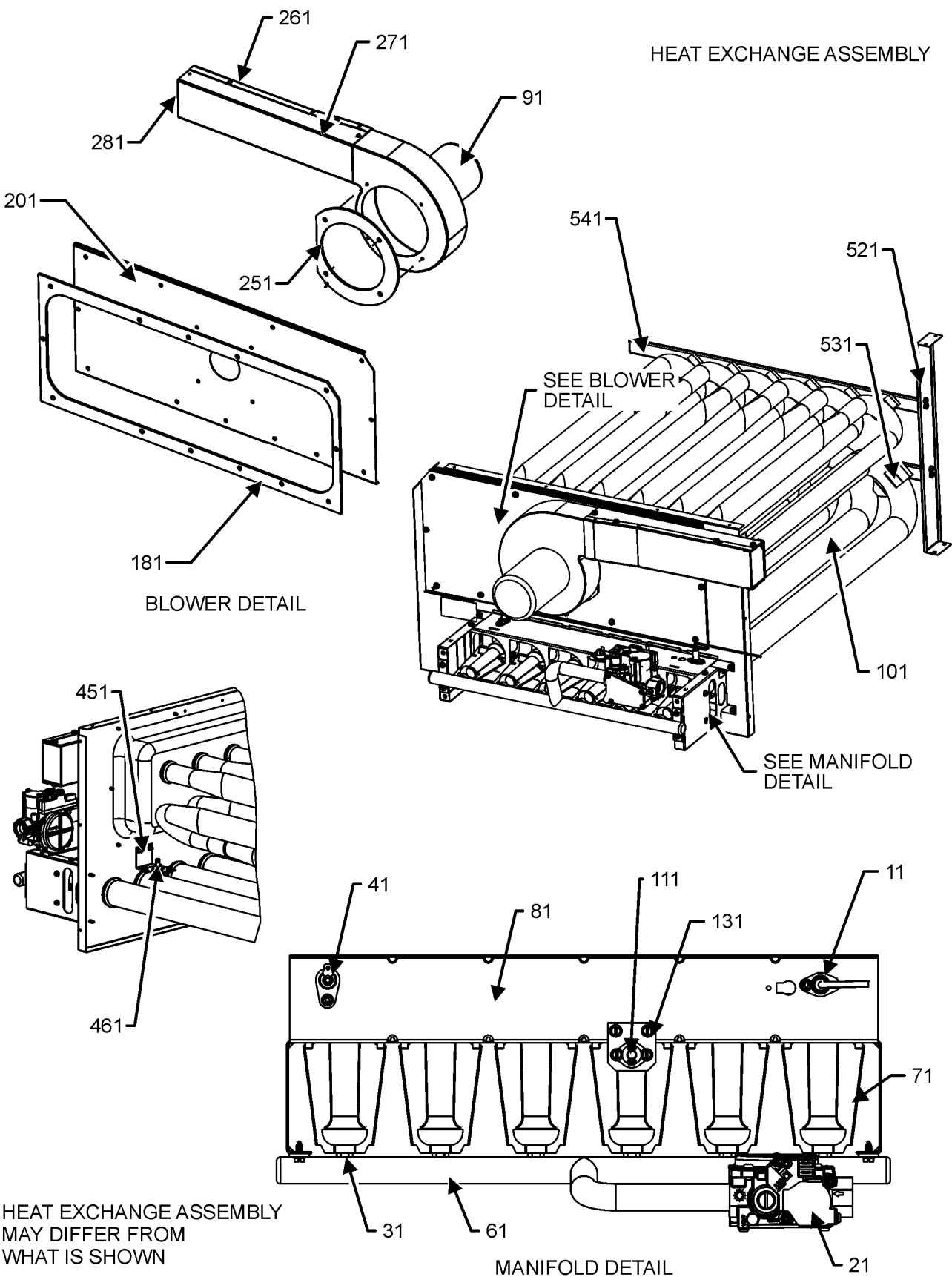
CONTROL BOX ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
41	0130M00178		DPDT RELAY 24VAC (QTY 3)
61	802007090		TERM BOARD
81	0130M00038		TERMINAL BOARD
91	0130M00859		TRANSFORMER (M1, M2, M3, M4, M5, M6, M7, M8, M9)
91	0130M00861		TRANSFORMER (M10, M11, M12)
111	0130M00510		BLOCK, POWER (M1, M2, M3)
111	0130M00509		BLOCK,POWER (M4, M5, M6, M7, M8, M9, M10, M11, M12)
161	CAP050000370LA		CAP, 5 MFD/370V/OVAL (M4, M5, M6)
161	CAP050350440CS		CAP, 5/35 MFD/440V/DUAL RD (M1, M2, M3)
161	CAP030000440LA		CAPACITOR (M10, M11, M12)
161	CAP040000370VA		CAPACITOR (M7, M8, M9)
171	CONT2P040024D		CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2, M3)
171	CONT3P030024D		CONT, 3 POLE, 30 AMP, 24 VAC (M4, M5, M6, M7, M8, M9, M10, M11, M12)
181	CONT2P040024D		CONT, 2 POLE, 40 AMP, 24 VAC
191	CONT2P040024D		CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2, M3, M4, M5, M6)
191	CONT3P030024D		CONT, 3 POLE, 30 AMP, 24 VAC (M7, M8, M9, M10, M11, M12)
301	PCBAG123		PCB, IGNITION,DSI, INTEG
701	0130M00860		TRANSFORMER (M10, M11, M12)
701	0130M00862		TRANSFORMER (M7, M8, M9)
921	SER2A08012		SENSATA R32 SENSOR
931	10135604		RELAY
941	PCBCM301V0001		PCB CONTROL CIR HANDLER
NS	0164M00127		BOOT, CAPACITOR (M4, M5, M6, M7, M8, M9, M10, M11, M12)
NS	0164M00079		BOOT-CAPACITOR, ROUND (M1, M2, M3)
NS	0130M00507		MOTOR POWER HARNESS (M1, M2, M3, M4, M5, M6)
NS	20520901		STRAP-CAPACITOR

Expanded Model Nomenclature

M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA

HEAT EXCHANGE ASSEMBLY



HEAT EXCHANGE ASSEMBLY

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	20261709	IGNITOR
21	0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE
31	0163F00018	ORIFICE (QTY 6)
41	0130M00962	FLAME SENSOR
61	0163L00143	MANIFOLD, GAS 3 BURNER (M2, M5, M8, M11)
61	0163L00029	MANIFOLD-GAS, 5 BURNER (M3, M6, M9, M12)
61	0163L00025	MANIFOLD-GAS, 6 BURNER (M1, M4, M7, M10)
71	0163F00017	BECKETT BURNER (QTY 6)
81	0121L01362	BRACKET, BURNER 5 (M3, M6, M9, M12)
81	0121L01363	BRACKET, BURNER 6 (M1, M4, M7, M10)
81	0121L02668	BURNER BRACKET-3 (M2, M5, M8, M11)
91	0131M00121	BLOWER-ID COMBUSTION (M2, M3, M5, M6, M8, M9, M11, M12)
91	0131L00002	VENT MOTOR (M1, M4, M7, M10)
101	0270L01363	ASSY, PANEL, PARTITION/TUBE, 3 (M2, M5, M8, M11)
101	0270L01361	ASSY, PANEL, PARTITION/TUBE, 5 (M3, M6, M9, M12)
101	0270L01360	ASSY, PANEL, PARTITION/TUBE, 6 (M1, M4, M7, M10)
111	10123532	LIMIT-RESET MAN-GRAY
131	0121L00053	BRACKET-FLAME ROLLOUT
181	0154L00018	GASKET-ID BLOWER PLATE 2,4 (M2, M5, M8, M11)
181	0154L00017	GASKET-ID BLOWER PLATE 6 (M1, M3, M4, M6, M7, M9, M10, M12)
201	0121L02663	PLATE, ID BLOWER (M3, M6, M9, M12)
201	0121L03434	PLATE, ID BLOWER (M1, M4, M7, M10)
201	0121L03548	PLATE, ID BLOWER (M2, M5, M8, M11)
251	0154L00007	GASKET-BLOWER/ORIFICE PLATE (M1, M4, M7, M10)
251	0154L00020	GASKET-ID BLOWER (M2, M3, M5, M6, M8, M9, M11, M12)
261	0121L01355	FLUE CHANNEL (M1, M4, M7, M10)
261	0121L00277	FLUE-CHANNEL (M2, M3, M5, M6, M8, M9, M11, M12)
271	0121L01356	FLUE SIDE COVER (M1, M4, M7, M10)
271	0121L00278	FLUE-SIDE COVER (M2, M3, M5, M6, M8, M9, M11, M12)
451	0121L03948	BRACKET, PRIMARY LIMIT
461	0130F00035	LIMIT, PRIMARY (M1, M3, M4, M6, M7, M9, M10, M12)
461	20162901	LIMIT, PRIMARY (M2, M5, M8, M11)
521	0121L03320	BRACKET, TUBE SUPPORT
531	0121L03125	BRACKET, TUBE (QTY 6)
541	0121L02935	BRACKET, SUPPORT, TUBE
NS	0121F00468	ORIFICE BRACKET-BURNER 3 (M2, M5, M8, M11)
NS	0121F00466	ORIFICE BRACKET-BURNER 5 (M3, M6, M9, M12)
NS	0121F00465	ORIFICE BRACKET-BURNER 6 (M1, M4, M7, M10)

Expanded Model Nomenclature

M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA

ACCESSORY PARTS LIST

NOTE: NOT ALL OPTIONS AVAILABLE FOR ALL PRODUCTS

FOR ACCESSORY PARTS SEE THE FOLLOWING PART MANUAL

RP-FIOPSC*

RP-EHS[D/B]SC*

RP-EHX[D/B]SC*

ACCESSORY PARTS

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

NS	RP-FIOPS*	ACCESSORY RP MANUAL
NS	RP-HXS*	HEAT EXCHANGE MANUAL
NS	RP-EHS(D/B)S*	HEATER KIT RP MANUAL
NS	RP-EHX(D/B)S*	HEATER KIT RP MANUAL

Expanded Model Nomenclature

M1 - DHG0481DH00001SAA
M2 - DHG0481DL00001SAA
M3 - DHG0481DM00001SAA
M4 - DHG0483DH00001SAA
M5 - DHG0483DL00001SAA
M6 - DHG0483DM00001SAA
M7 - DHG0484DH00001SAA
M8 - DHG0484DL00001SAA
M9 - DHG0484DM00001SAA
M10 - DHG0487DH00001SAA
M11 - DHG0487DL00001SAA
M12 - DHG0487DM00001SAA