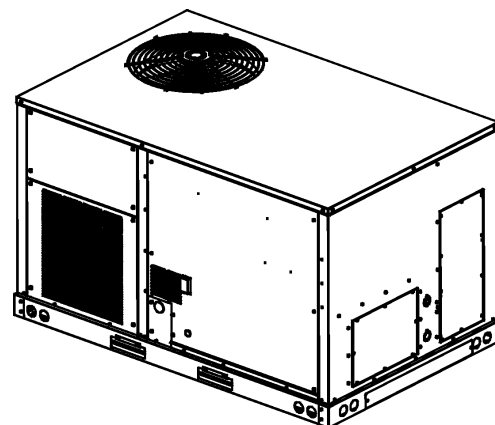


DSG Commercial 5 Ton Package Gas Unit

DSG0601DH00001SAA
DSG0601DL00001SAA
DSG0603DH00001SAA
DSG0603DL00001SAA
DSG0603DM00001SAA
DSG0604DH00001SAA
DSG0604DL00001SAA
DSG0604DM00001SAA
DSG0607DH00001SAA



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.

1/23/25 UPDATED CONTACTOR INFORMATION

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:

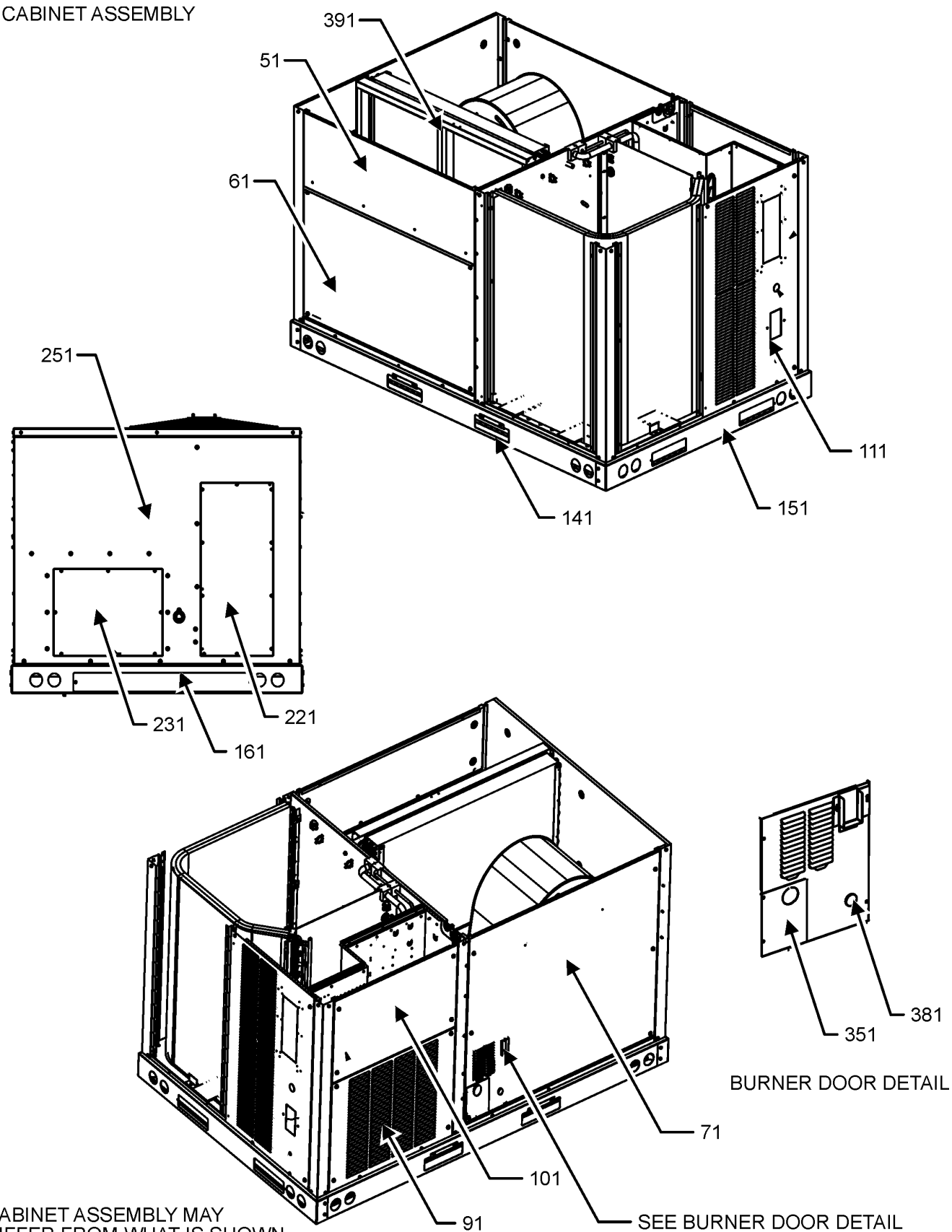
0163F00017	BECKETT BURNER (QTY 6)	RP-HXS*	HEAT EXCHANGE MANUAL
CAP100000440LA	CAP 10 MFD/440V/OVAL (M6, M7, M8)	RP-EHS(D/B)*	HEATER KIT RP MANUAL
CAP100000370LA	CAP, 10 MFD/370V/OVAL (M3, M4, M5)	RP-EHX(D/B)*	HEATER KIT RP MANUAL
CAB100800440CT	CAP, 10/80 MFD/440V RD - BPRF (M1, M2)	Expanded Model Nomenclature	
CAP050000440LA	CAPACITOR (M9)		
YP51K1TPFVASC	COMPRESSOR (M1, M2)	M1 - DSG0601DH00001SAA	
YP51K1TTF5ASC	COMPRESSOR (M3, M4, M5)	M2 - DSG0601DL00001SAA	
YP51K1TTFDASC	COMPRESSOR (M6, M7, M8)	M3 - DSG0603DH00001SAA	
YP51K1TTFEASC	COMPRESSOR (M9)	M4 - DSG0603DL00001SAA	
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC	M5 - DSG0603DM00001SAA	
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2)	M6 - DSG0604DH00001SAA	
CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2, M3, M4, M5)	M7 - DSG0604DL00001SAA	
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (M3, M4, M5, M6, M7, M8, M9)	M8 - DSG0604DM00001SAA	
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (M6, M7, M8, M9)	M9 - DSG0607DH00001SAA	
B1086765	FAN BLADE, TYPE 3		
0130M00719	FLAME SENSOR (M2, M4, M7)		
0130F00010	FLAME SENSOR (M1, M3, M5, M6, M8, M9)		
0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE		
20261709	IGNITOR		
0130M00658	LIMIT, PRIMARY (M2)		
20162904	LIMIT, PRIMARY		
0130M00663	LIMIT, PRIMARY (M3, M4, M6, M7, M9)		
0130F00035	LIMIT, PRIMARY (M1, M5, M8)		
10123532	LIMIT-RESET MAN-GRAY (M1, M2, M3, M5, M6, M8, M9)		
10123529	LIMIT-RESET MAN-GREEN (M4, M7)		
0131L00548	MOTOR- PROGRAMMED (M1)		
0131L00539	MOTOR- PROGRAMMED (M3)		
0131L00540	MOTOR- PROGRAMMED (M5)		
0131L00541	MOTOR- PROGRAMMED (M4)		
0131L00542	MOTOR- PROGRAMMED (M6, M9)		
0131L00544	MOTOR- PROGRAMMED (M7)		
0131L00549	MOTOR- PROGRAMMED (M2)		
0131L00543	MOTOR- PROGRAMMED (M8)		
0131M00430	MOTOR, 1/3 HP, 1 SP, 6 PL (M1, M2, M3, M4, M5)		
0131M00858	MOTOR, 1/3 HP, OD (M9)		
0131M00774	MOTOR, 1/3 HP, OD (M6, M7, M8)		
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 (M9)		
0130M00860	TRANSFORMER (M9)		
0130M00862	TRANSFORMER (M6, M7, M8)		
0130M00859	TRANSFORMER (M1, M2, M3, M4, M5, M6, M7, M8)		

SPECIAL PARTS

RP-FIOPS* ACCESSORY RP MANUAL

CABINET ASSEMBLY

CABINET ASSEMBLY



CABINET ASSEMBLY

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

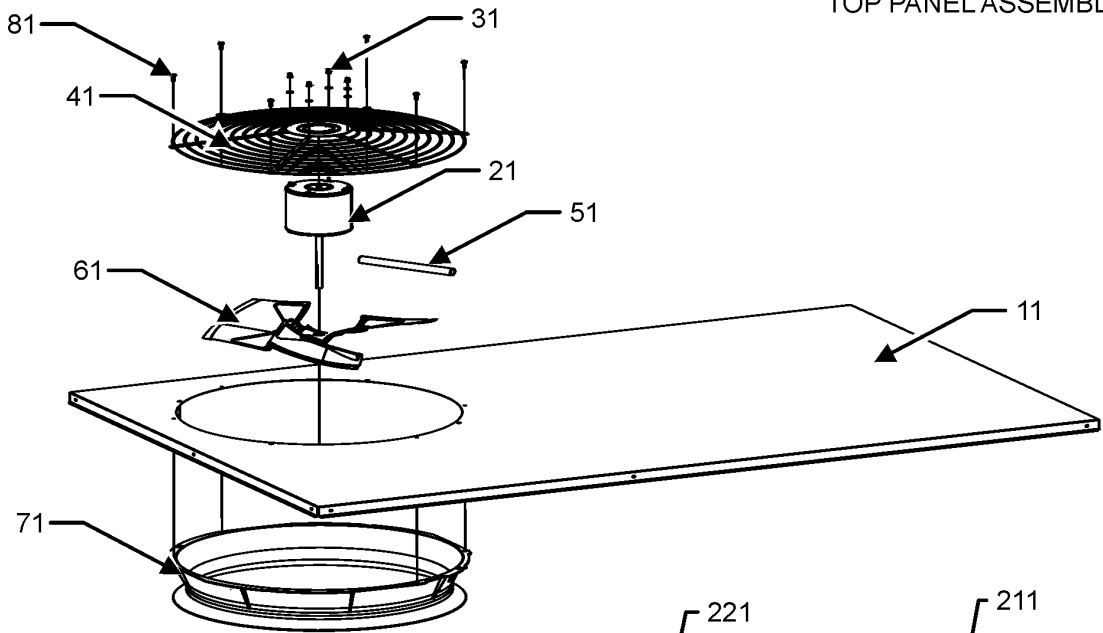
51	0121L01734SB	PAINTED FILTER PANEL
61	0121L01651SB	PAINTED ECONOMIZER PANEL
71	0121L03626SB	PAINTED, PANEL, GAS BLOWER
91	0121L02263SB	PAINTED COMPRESSOR PANEL
101	0121L02262SB	PAINTED CONTROL BOX PANEL
111	0121L03642SB	PAINTED, COMPRESSOR BACK PANEL
141	0121L04850	RAIL, SIDE (QTY 2)
151	0121L01621	END RAIL
161	0121L04776	END RAIL
221	0121L02910SB	PAINTED COVER-DUCT RETURN
231	0121L02911SB	PAINTED COVER-DUCT SUPPLY
251	0121L02996SB	PAINTED BACK PANEL
351	0121L03443SB	PAINTED, GAS INLET PANEL
381	B1392139	VIEW PORT BUSHING, CLEAR 1.00
391	0270L01635	ASSY FILTER HOLDER
NS	0160L00137	AIR FILTER (QTY 2)
NS	B1910010	GAS LINE GROMMET
NS	0121L03931	HEAT EXCHANGER FLASHING
NS	0121L03288SB	PAINTED, COLLAR, FLUE

Expanded Model Nomenclature

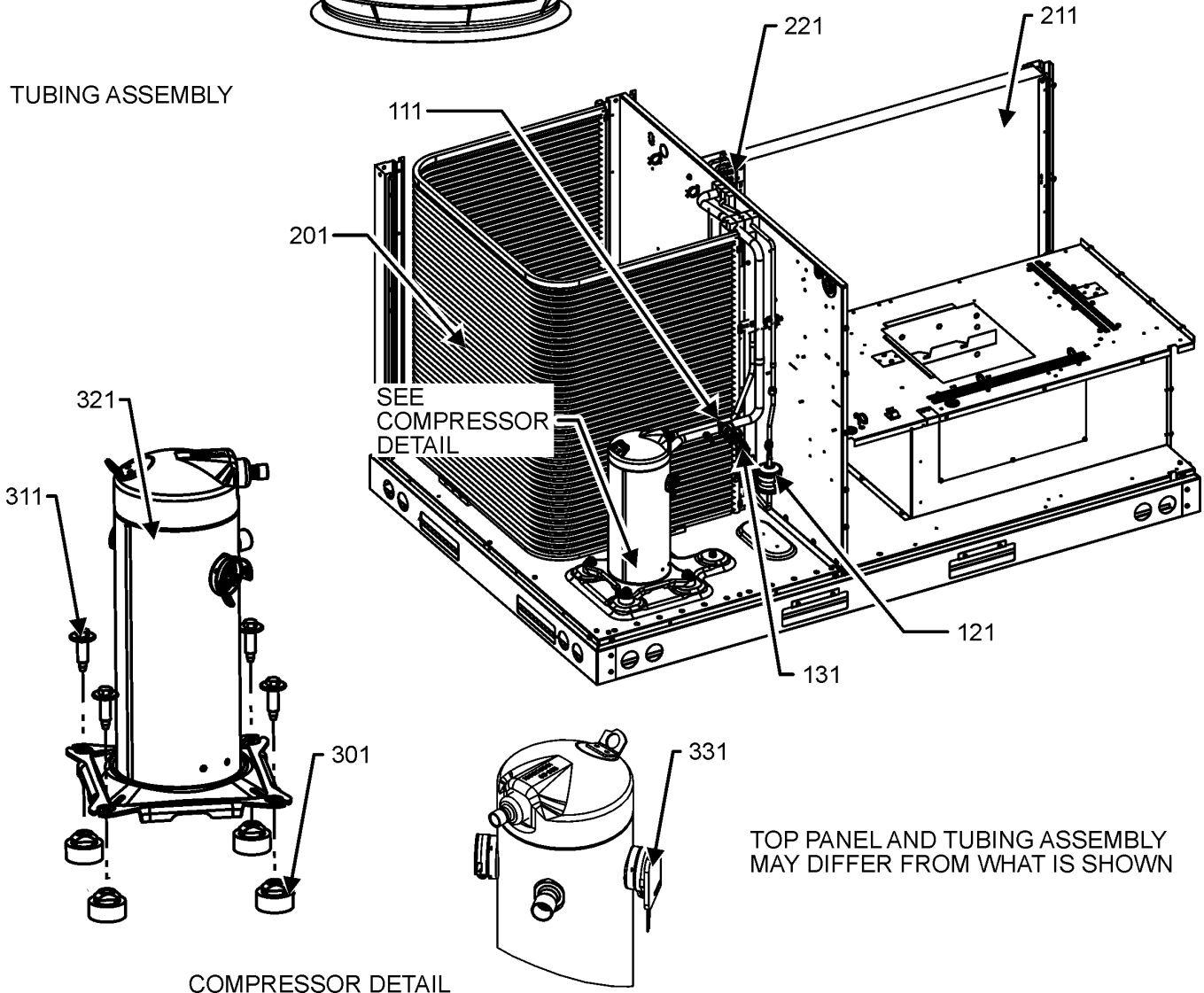
M1 - DSG0601DH00001SAA
M2 - DSG0601DL00001SAA
M3 - DSG0603DH00001SAA
M4 - DSG0603DL00001SAA
M5 - DSG0603DM00001SAA
M6 - DSG0604DH00001SAA
M7 - DSG0604DL00001SAA
M8 - DSG0604DM00001SAA
M9 - DSG0607DH00001SAA

TOP PANEL AND TUBING ASSEMBLY

TOP PANEL ASSEMBLY



TUBING ASSEMBLY



COMPRESSOR DETAIL

TOP PANEL AND TUBING ASSEMBLY

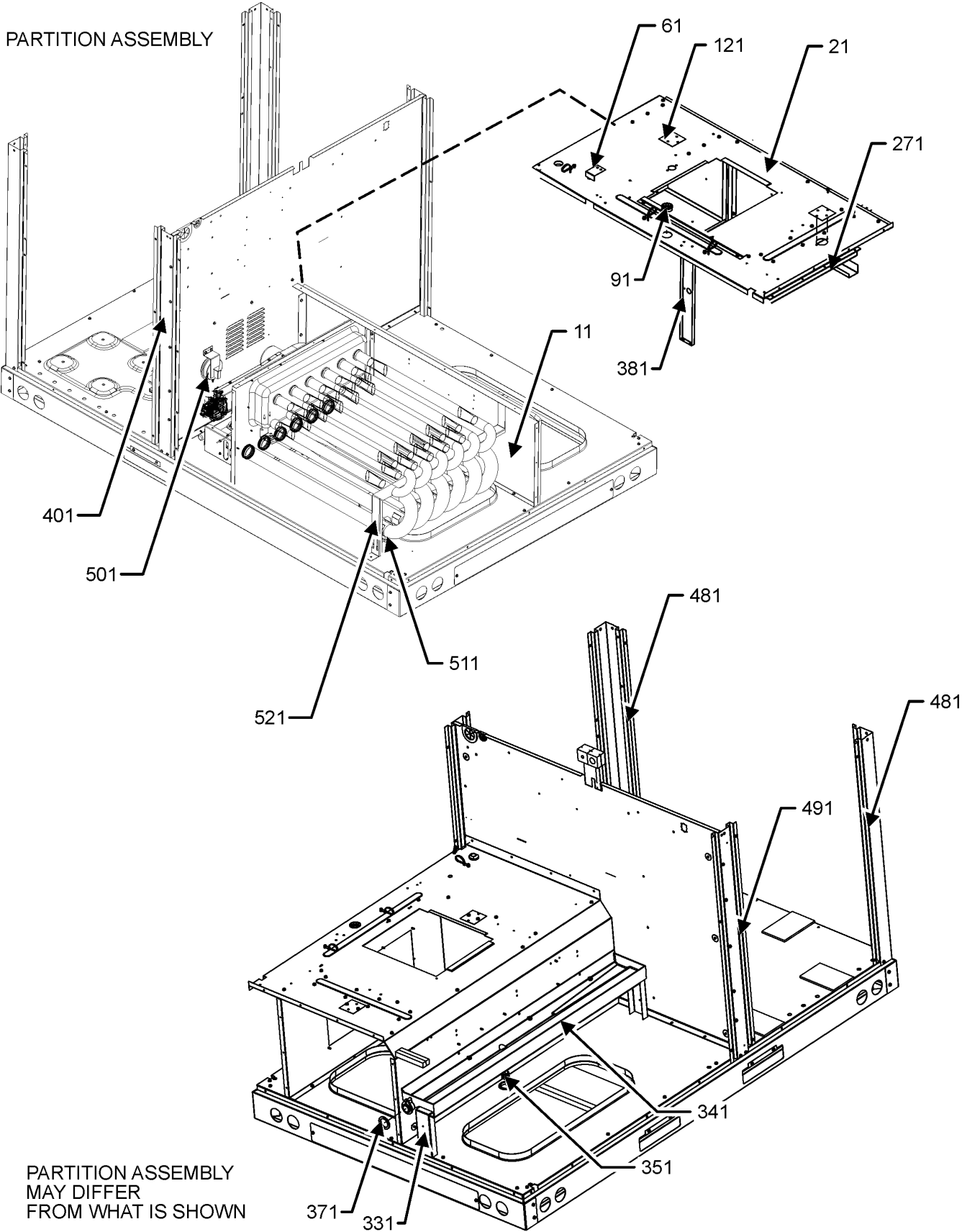
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121L01626SB		PAINTED, TOP PANEL
21	0131M00430		MOTOR, 1/3 HP, 1 SP, 6 PL (M1, M2, M3, M4, M5)
21	0131M00774		MOTOR, 1/3 HP, OD (M6, M7, M8)
21	0131M00858		MOTOR, 1/3 HP, OD (M9)
31	0163M00006P		ACORN NUT 5/16 HEX BLACK (QTY 4)
41	0152G00000		FAN GRILLE, RAISED
51	0161R00124		CONDUIT
61	B1086765		FAN BLADE, TYPE 3
71	0161R00048		MOLDED 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	0201L00781		ASSY., . COIL BEND
211	0202L00674		ID. COIL, TUBING ASSEMBLY
221	0251L00185		ASSY., EXPANSION VALVE R32
301	B1339533		COMPRESSOR GROMMET (QTY 4)
311	B1393740		COMP. BOLT & SLEEVE (QTY 4)
321	YP51K1TPFVASC		COMPRESSOR (M1, M2)
321	YP51K1TTF5ASC		COMPRESSOR (M3, M4, M5)
321	YP51K1TTFDASC		COMPRESSOR (M6, M7, M8)
321	YP51K1TTFEASC		COMPRESSOR (M9)
331	0159L00027		HARNESS-COMP SCROLL (M1, M2)
331	0159L00065		HARNESS-COMP SCROLL (M3, M4, M5, M6, M7, M8, M9)
NS	0141L00003X		BOARD-FORK (QTY 2)
NS	0121L03516		PNL, BRACKET, FORK BOARD (QTY 4)
NS	0163M00005P		WASHER, BLACK (.50 OD .218ID) (QTY 4)

Expanded Model Nomenclature

M1 - DSG0601DH00001SAA
M2 - DSG0601DL00001SAA
M3 - DSG0603DH00001SAA
M4 - DSG0603DL00001SAA
M5 - DSG0603DM00001SAA
M6 - DSG0604DH00001SAA
M7 - DSG0604DL00001SAA
M8 - DSG0604DM00001SAA
M9 - DSG0607DH00001SAA

PARTITION ASSEMBLY

PARTITION ASSEMBLY



PARTITION ASSEMBLY
MAY DIFFER
FROM WHAT IS SHOWN

PARTITION ASSEMBLY

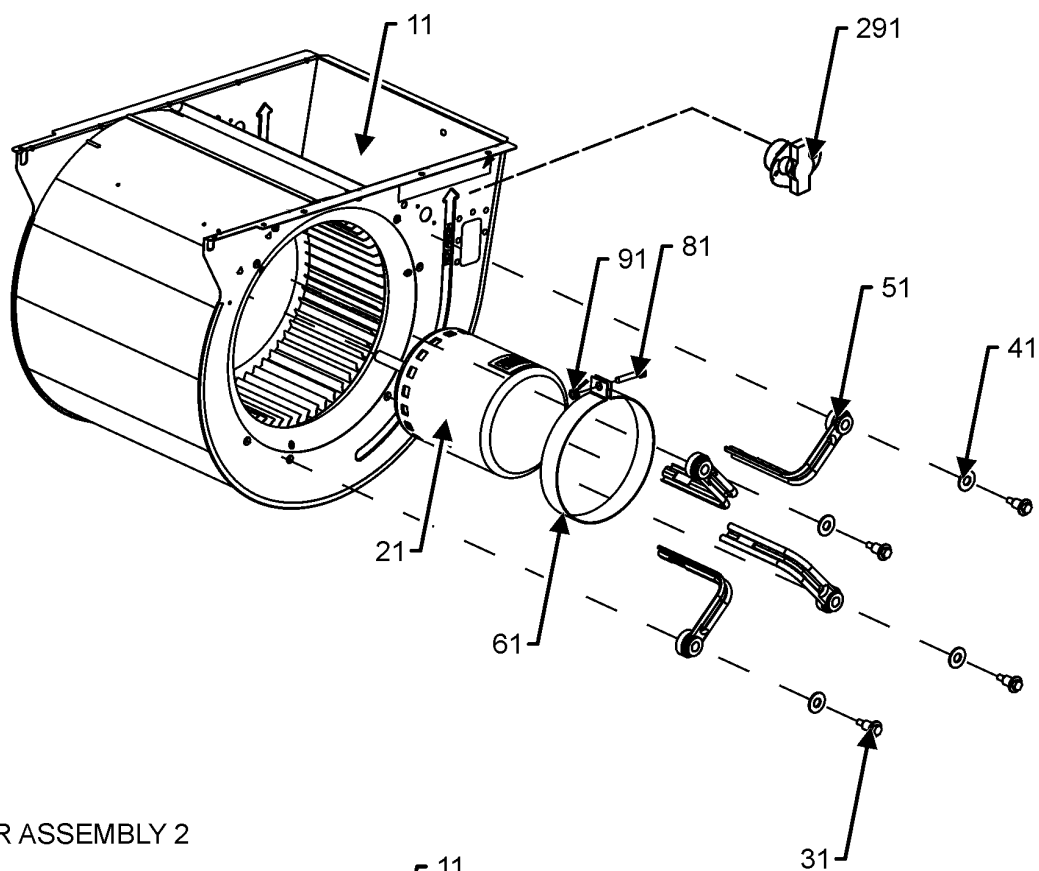
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121L05068		BLOWER DECK SIDE
21	0121L05160		PANEL, BLOWER DECK
61	0121L01709		BLOWER DECK PLATE
91	B1392147		UNIVERSIAL BUSHING WITH SLICE (QTY 2)
121	0121L00321		COVER-SMOKE DETECTOR (QTY 2)
271	0121L02633		BLOWER DECK U-BRACKET
331	0121L02985		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	0121L03442SB		PAINTED, SIDE POST
481	0121L01728SB		PAINTED CORNER POST (QTY 2)
491	0121L04180SB		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
NS	0163M00629		RED CAP WITH O-RING (QTY 3)

Expanded Model Nomenclature

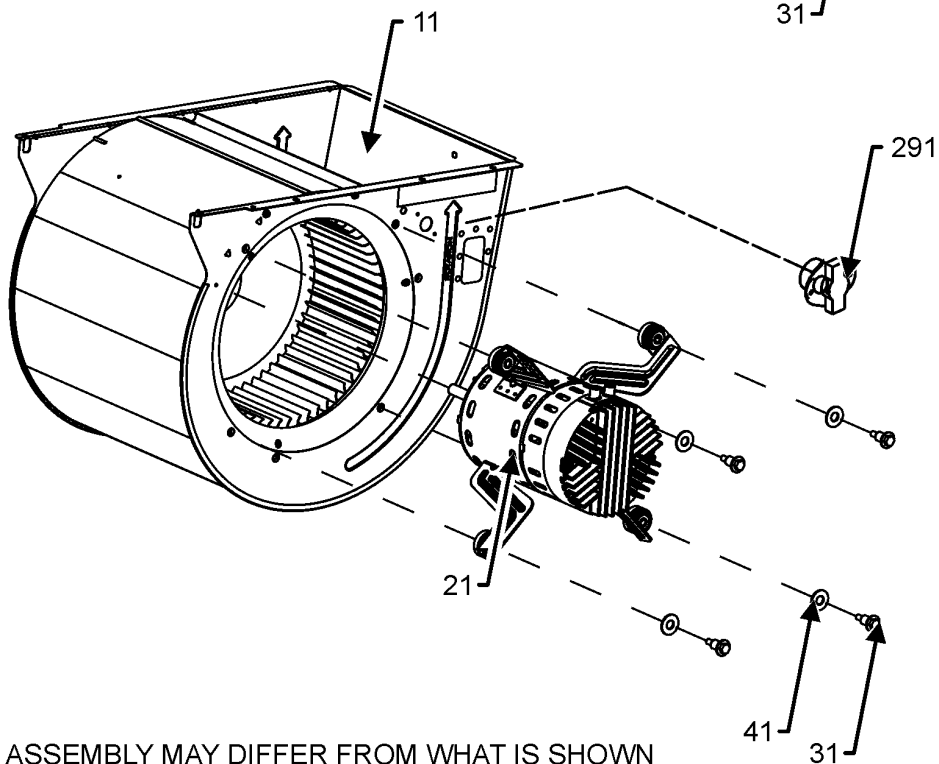
M1 - DSG0601DH00001SAA
M2 - DSG0601DL00001SAA
M3 - DSG0603DH00001SAA
M4 - DSG0603DL00001SAA
M5 - DSG0603DM00001SAA
M6 - DSG0604DH00001SAA
M7 - DSG0604DL00001SAA
M8 - DSG0604DM00001SAA
M9 - DSG0607DH00001SAA

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:

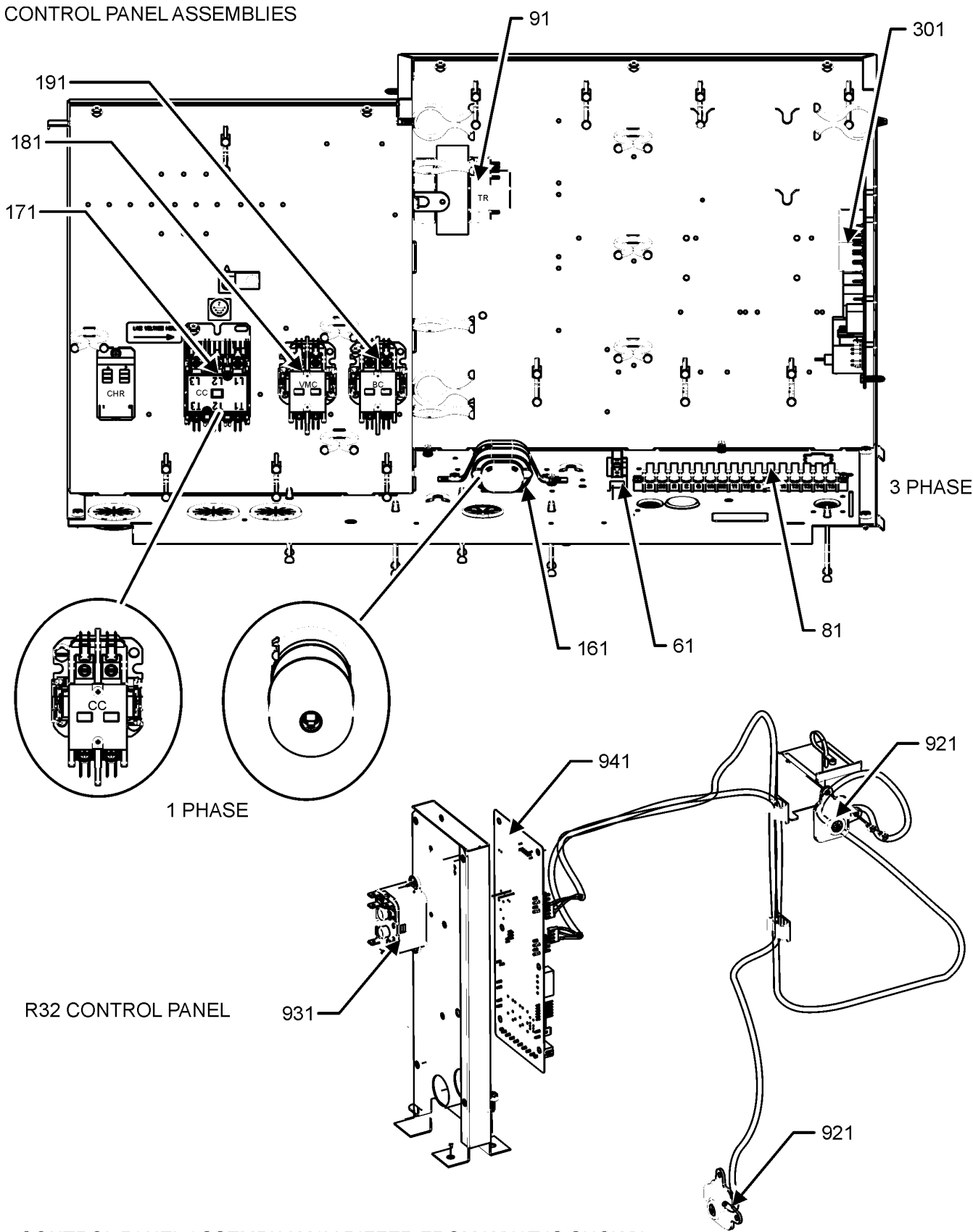
11	0271L00137	ASSY., BLOWER HOUSING (M6, M7, M8, M9)
11	0271L00133	ASSY., HOUSING, BLWR (M1, M2, M3, M4, M5)
21	0131L00539	MOTOR- PROGRAMMED (M3)
21	0131L00540	MOTOR- PROGRAMMED (M5)
21	0131L00541	MOTOR- PROGRAMMED (M4)
21	0131L00542	MOTOR- PROGRAMMED (M6, M9)
21	0131L00543	MOTOR- PROGRAMMED (M8)
21	0131L00544	MOTOR- PROGRAMMED (M7)
21	0131L00548	MOTOR- PROGRAMMED (M1)
21	0131L00549	MOTOR- PROGRAMMED (M2)
31	M0250565	SCREW-TC 1.25" (QTY 4)
41	B1392918	WASHER, FLAT 1/4 ID X 1 OD (QTY 8)
51	0163A00008	MOTOR MOUNTING ARM (M1, M2, M3, M4, M5)
61	10441601	BAND-MTR MOUNT (M1, M2, M3, M4, M5)
81	0163M00320	HEX HEAD ALL THREAD TAP BOLT (M1, M2, M3, M4, M5)
91	B1393800	LOCKNUT, NYLON, INSERT 1/4,20 (M1, M2, M3, M4, M5)
291	20162904	LIMIT, PRIMARY

Expanded Model Nomenclature

M1 - DSG0601DH00001SAA
M2 - DSG0601DL00001SAA
M3 - DSG0603DH00001SAA
M4 - DSG0603DL00001SAA
M5 - DSG0603DM00001SAA
M6 - DSG0604DH00001SAA
M7 - DSG0604DL00001SAA
M8 - DSG0604DM00001SAA
M9 - DSG0607DH00001SAA

CONTROL BOX ASSEMBLY

CONTROL PANEL ASSEMBLIES



CONTROL PANEL ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

CONTROL BOX ASSEMBLY

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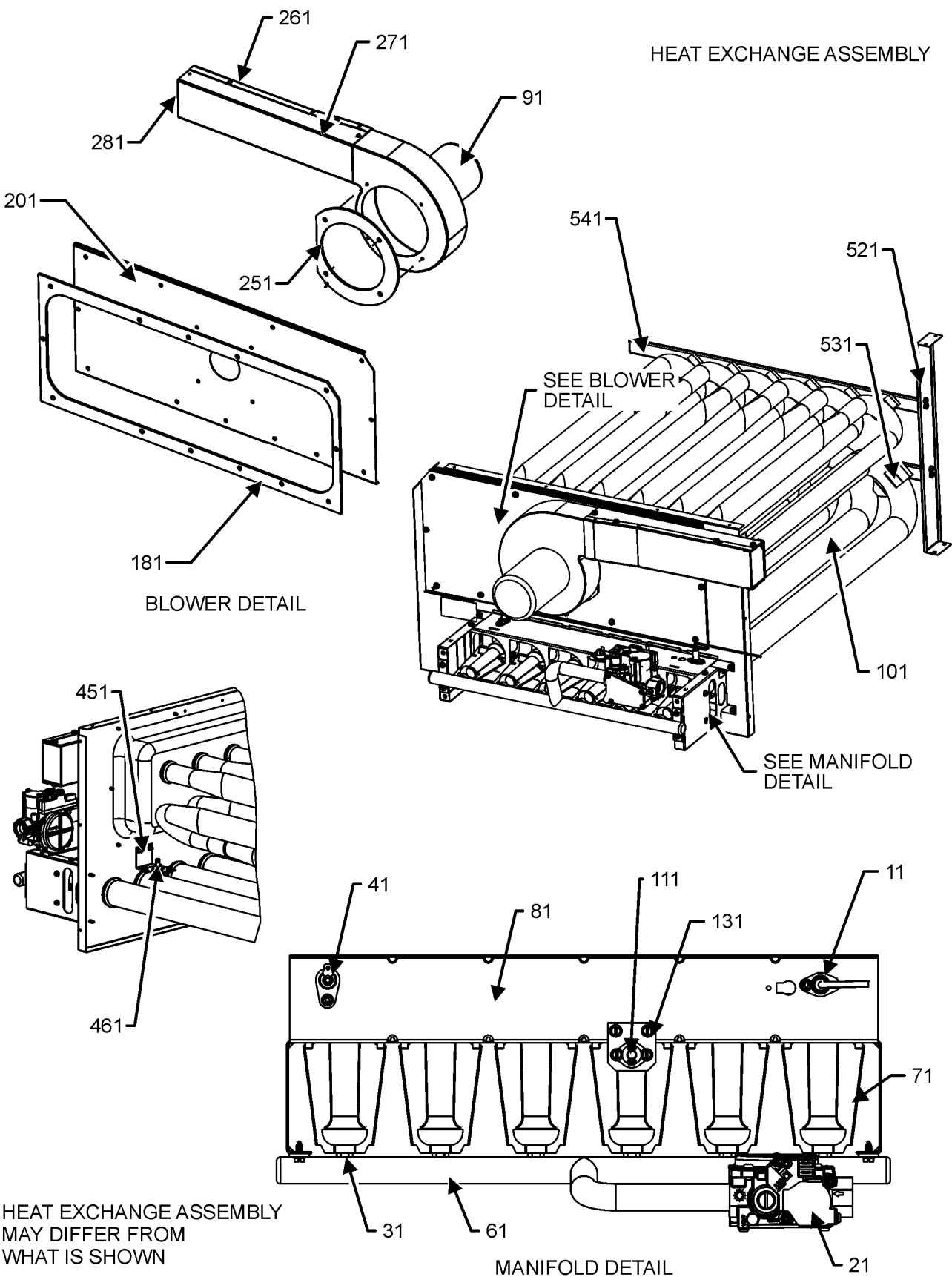
Image 1:

61	802007090	TERM BOARD
81	0130M00038	TERMINAL BOARD
91	0130M00859	TRANSFORMER (M1, M2, M3, M4, M5, M6, M7, M8)
91	0130M00861	TRANSFORMER (M9)
161	CAP100000440LA	CAP 10 MFD/440V/OVAL (M6, M7, M8)
161	CAP100000370LA	CAP, 10 MFD/370V/OVAL (M3, M4, M5)
161	CAB100800440CT	CAP, 10/80 MFD/440V RD - BPRF (M1, M2)
161	CAP050000440LA	CAPACITOR (M9)
171	CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2)
171	CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (M3, M4, M5, M6, M7, M8, M9)
181	CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC
191	CONT2P040024D	CONT, 2 POLE, 40 AMP, 24 VAC (M1, M2, M3, M4, M5)
191	CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (M6, M7, M8, M9)
301	PCBAG123	PCB, IGNITION,DSI, INTEG
921	SER2A08012	SENSATA R32 SENSOR
931	10135604	RELAY
941	PCBCM301V0001	PCB CONTROL CIR HANDLER
NS	0164M00127	BOOT, CAPACITOR (M3, M4, M5, M6, M7, M8, M9)
NS	0164M00079	BOOT-CAPACITOR, ROUND (M1, M2)
NS	0130M00507	MOTOR POWER HARNESS (M1, M2, M3, M4, M5)
NS	20520901	STRAP-CAPACITOR
NS	0130M00860	TRANSFORMER (M9)
NS	0130M00862	TRANSFORMER (M6, M7, M8)

Expanded Model Nomenclature

M1 - DSG0601DH00001SAA
M2 - DSG0601DL00001SAA
M3 - DSG0603DH00001SAA
M4 - DSG0603DL00001SAA
M5 - DSG0603DM00001SAA
M6 - DSG0604DH00001SAA
M7 - DSG0604DL00001SAA
M8 - DSG0604DM00001SAA
M9 - DSG0607DH00001SAA

HEAT EXCHANGE ASSEMBLY



HEAT EXCHANGE ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	20261709	IGNITOR	M1 - DSG0601DH00001SAA
21	0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE	M2 - DSG0601DL00001SAA
31	0163F00018	ORIFICE (QTY 6)	M3 - DSG0603DH00001SAA
41	0130F00010	FLAME SENSOR (M1, M3, M5, M6, M8, M9)	M4 - DSG0603DL00001SAA
41	0130M00719	FLAME SENSOR (M2, M4, M7)	M5 - DSG0603DM00001SAA
61	0163L00026	MANIFOLD-GAS 4 BURNER (M2, M4, M7)	M6 - DSG0604DH00001SAA
61	0163L00029	MANIFOLD-GAS, 5 BURNER (M5, M8)	M7 - DSG0604DL00001SAA
61	0163L00025	MANIFOLD-GAS, 6 BURNER (M1, M3, M6, M9)	M8 - DSG0604DM00001SAA
71	0163F00017	BECKETT BURNER (QTY 6)	M9 - DSG0607DH00001SAA
81	0121L01362	BRACKET, BURNER 5 (M5, M8)	
81	0121L01363	BRACKET, BURNER 6 (M1, M3, M6, M9)	
81	0121L02675	BURNER BRACKET-4 (M2, M4, M7)	
91	0131M00121	BLOWER-ID COMBUSTION (M2, M3, M4, M5, M6, M7, M8, M9)	
101	0270L01362	ASSY, PANEL, PARTITION/TUBE, 4 (M2, M4, M7)	
101	0270L01361	ASSY, PANEL, PARTITION/TUBE, 5 (M5, M8)	
101	0270L01360	ASSY, PANEL, PARTITION/TUBE, 6 (M1)	
111	10123532	LIMIT-RESET MAN-GRAY (M1, M2, M3, M5, M6, M8, M9)	
111	10123529	LIMIT-RESET MAN-GREEN (M4, M7)	
131	0121L00053	BRACKET-FLAME ROLLOUT	
181	0154L00018	GASKET-ID BLOWER PLATE 2,4 (M2, M4, M7)	
181	0154L00017	GASKET-ID BLOWER PLATE 6 (M1, M3, M5, M6, M8, M9)	
201	0121L03667	PLATE, ID BLOWER (M5, M8)	
201	0121L03745	PLATE, ID BLOWER (M3, M6, M9)	
201	0121L03363	PLATE, ID BLOWER (M2)	
201	0121L03365	PLATE, ID BLOWER (M4, M7)	
251	0154L00020	GASKET-ID BLOWER (M2, M3, M4, M5, M6, M7, M8, M9)	
261	0121L00277	FLUE-CHANNEL (M2, M3, M4, M5, M6, M7, M8, M9)	
271	0121L00278	FLUE-SIDE COVER (M2, M3, M4, M5, M6, M7, M8, M9)	
281	0163L00072	SCREEN-FLUE	
451	0121L03948	BRACKET, PRIMARY LIMIT	
461	0130F00035	LIMIT, PRIMARY (M1, M5, M8)	
461	0130M00658	LIMIT, PRIMARY (M2)	
461	0130M00663	LIMIT, PRIMARY (M3, M4, M6, M7, M9)	
521	0121L03320	BRACKET, TUBE SUPPORT	
531	0121L03125	BRACKET, TUBE (QTY 6)	
541	0121L02935	BRACKET, SUPPORT, TUBE	
NS	0121F00467	ORIFICE BRACKET-BURNER 4 (M2, M4, M7)	
NS	0121F00466	ORIFICE BRACKET-BURNER 5 (M5, M8)	
NS	0121F00465	ORIFICE BRACKET-BURNER 6 (M1, M3, M6, M9)	

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 - DSG0601DH00001SAA
M2 - DSG0601DL00001SAA
M3 - DSG0603DH00001SAA
M4 - DSG0603DL00001SAA
M5 - DSG0603DM00001SAA
M6 - DSG0604DH00001SAA
M7 - DSG0604DL00001SAA
M8 - DSG0604DM00001SAA
M9 - DSG0607DH00001SAA