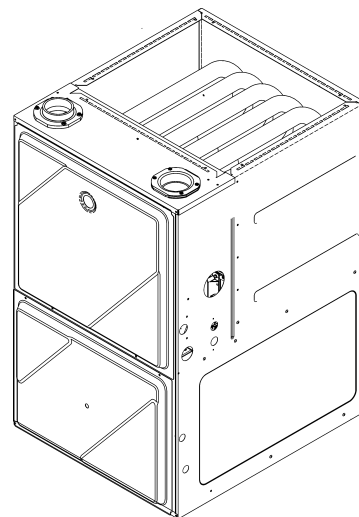


DD96TN Counter Flow Furnace

DD96TN0403BNAA
DD96TN0403BNAB
DD96TN0603BNAA
DD96TN0603BNAB
DD96TN0803BNAA
DD96TN1005CNAA



This manual is to be used by qualified technicians only.

This manual replaces RP-D2346

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 11

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 , Inc. 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 , Inc. also recommends contacting an authorized technician and using authorized factory parts.

Daikin Comfort Technologies Manufacturing , Inc. 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
Daikin Comfort Technologies Manufacturing , Inc.
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 , Inc.
19001 Kermier Road
Waller, Texas 77484
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: **Description:**

20162904	*PRIMARY LIMIT-TEMPERATURE CONTROL (M5)
0130F00038	AUX LIMIT - LT BLUE 120° (QTY 2)
0163F00017	BECKETT BURNER (QTY 2)
0271F20052	BLOWER HSG ASSY (M1, M2)
0130F00010	FLAME SENSOR
0151M00027	GAS VALVE
0257F20080	HEAT EXCHANGER ASSY (M6)
0257F20079	HEAT EXCHANGER ASSY (M5)
0257F20078	HEAT EXCHANGER ASSY (M3, M4)
0257F20077	HEAT EXCHANGER ASSY (M1, M2)
0130F00008	IGNITOR-SINI 17 SEC
0130F00123	LIMIT, RESET MAN (M6)
10123538	LIMIT-MAN-LIGHT GREEN (M3, M4)
10123533	LIMIT-RESET MAN-YELLOW (M1, M2, M5)
0271F00507	MORRISON 11 X 10 BLOWER (M6)
0271F00506	MORRISON 11 X 8 BLOWER (M3, M4, M5)
0131F00334M	MOTOR 1 HP W/O CONTROLLER (M6)
0131F00332M	MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4, M5)
0131F00229	MOTOR PROGRAMMED (M3, M4)
0131F00228	MOTOR PROGRAMMED (M1, M2)
0131F00231	MOTOR PROGRAMMED (M6)
0131F00230	MOTOR PROGRAMMED (M5)
0171M00002	MOTOR-ID, BLOWER
PCBBF302V010	PCB, CIRCUIT BOARD
0130F00429	PRESSURE SWITCH (M3, M4, M5, M6)
20162906	PRIMARY LIMIT - WHITE (M1, M2, M3, M4, M6)
0130F00434	SWITCH, PRESSURE (M6)
0130F00435	SWITCH, PRESSURE (M1, M2, M3, M4)
0130F00436	SWITCH, PRESSURE (M5)
0130F00485	SWITCH, PRESSURE (M1, M2)
10690402	SWITCH-INTERLOCK
0130M00140	TRANSFORMER 120V TO 24V, 40VA

SPECIAL PARTS

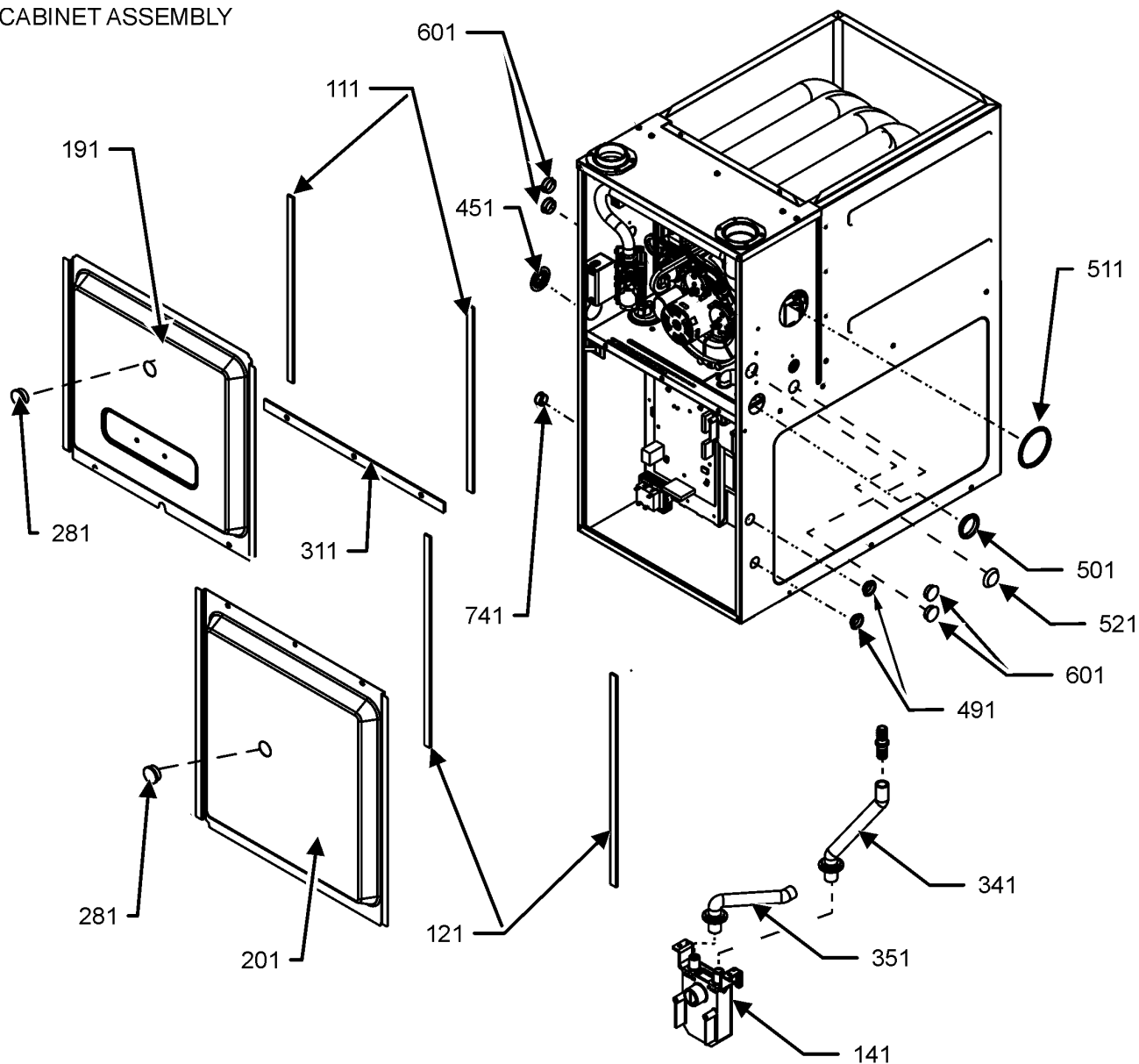
0161F00090 NAMEPLATE, DAIKIN

Expanded Model Nomenclature

M1 - DD96TN0403BNAA
M2 - DD96TN0403BNAB
M3 - DD96TN0603BNAA
M4 - DD96TN0603BNAB
M5 - DD96TN0803BNAA
M6 - DD96TN1005CNAA

Cabinet Assembly

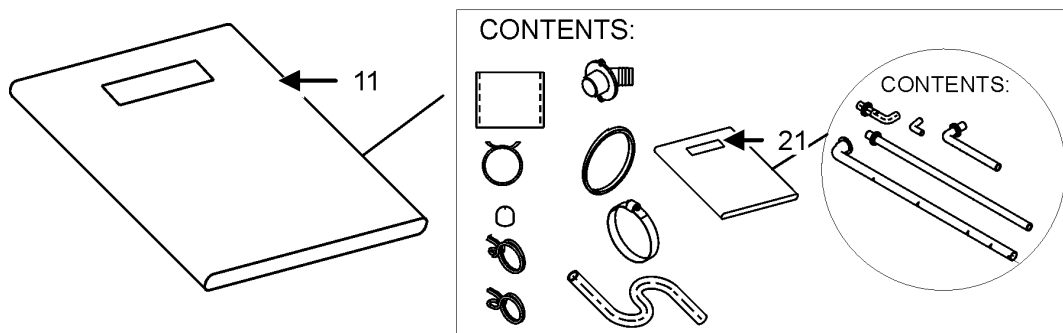
CABINET ASSEMBLY



CABINET ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

DRAIN TRAP ASSEMBLY

DRAIN KIT ASSEMBLY



Cabinet Assembly

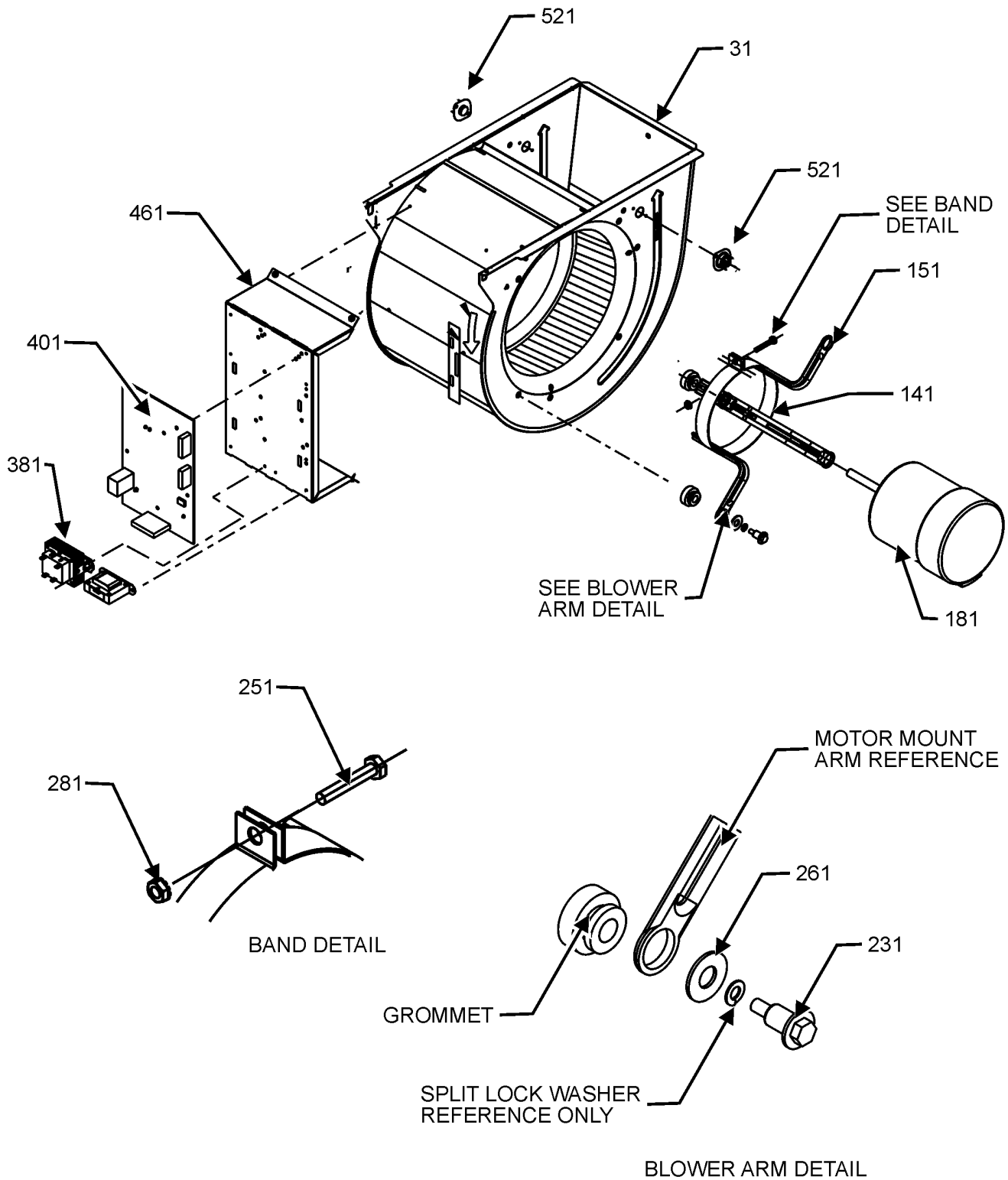
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0270F05403		DRAIN KIT ASSY
21	0270F05403		DRAIN KIT ASSY
111	0154F00024		GASKET (QTY 2)
121	0154F00025		GASKET (QTY 2)
141	0161F00046		DRAIN TRAP
191	0121F00337NG		DOOR, ACCESS 17.5" PNT (M1, M2, M3, M4, M5)
191	0121F00338NG		DOOR, ACCESS 21" PNT (M6)
201	0121F00340NG		DOOR, BLOWER 17.5" PNT (M1, M2, M3, M4, M5)
201	0121F00341NG		DOOR, BLOWER 21" PNT (M6)
281	B1392139		VIEW PORT BUSHING-BLOWER DOOR (QTY 2)
311	0154F00020		GASKET, DECK (M1, M2, M3, M4, M5)
311	0154F00021		GASKET, DECK (M6)
341	0270F03125		CF DRAIN TUBE ASSY (M1, M2, M3, M4, M5)
341	0270F03515		CF DRAIN TUBE ASSY (M6)
351	0270F03126		CF DRAIN TUBE ASSY (M6)
351	0270F03514		CF DRAIN TUBE ASSY (M1, M2, M3, M4, M5)
451	M0501301		PIPE GROMMET
491	M0570808		BUTTON PLUG
501	M0570806		BUTTON PLUG
511	M0570807		BUTTON PLUG
521	0161M00027		PLUG, HOLE
601	B1392021		PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
741	B1392104		UNIVERSAL BUSHING UB 875
NS	M0310345		BUTTON PLUG (QTY 2)
NS	20179309		GASKET (M1, M2, M3, M4, M5)
NS	20179310		GASKET (M6)
NS	0163M00319		HEX NUT-INSERT (QTY 3)
NS	0161F00090		NAMEPLATE, DAIKIN
NS	M0273904		RETAINER-SCREW (QTY 3)
NS	M0209730		SCREW-DECORATIVE (QTY 3)

Expanded Model Nomenclature

M1 - DD96TN0403BNAA
M2 - DD96TN0403BNAB
M3 - DD96TN0603BNAA
M4 - DD96TN0603BNAB
M5 - DD96TN0803BNAA
M6 - DD96TN1005CNAA

Blower Assembly

BLOWER ASSEMBLY



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Blower Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
31	0271F20052		BLOWER HSG ASSY (M1, M2)
31	0271F00507		MORRISON 11 X 10 BLOWER (M6)
31	0271F00506		MORRISON 11 X 8 BLOWER (M3, M4, M5)
141	0121M00039		MOUNT BAND, MOTOR (HEAVY DUTY)
151	0163M00538		MOUNT ARM, MOTOR (QTY 3)
181	0131F00334M		MOTOR 1 HP W/O CONTROLLER (M6)
181	0131F00332M		MOTOR 1/2 HP W/O CONTROLLER (M1, M2, M3, M4, M5)
181	0131F00228		MOTOR PROGRAMMED (M1, M2)
181	0131F00229		MOTOR PROGRAMMED (M3, M4)
181	0131F00230		MOTOR PROGRAMMED (M5)
181	0131F00231		MOTOR PROGRAMMED (M6)
231	M0250565		TC SCREW 1.25" (QTY 3)
251	0163M00320		HEX HEAD ALL THREAD TAP BOLT
261	B1392918		WASHER, FLAT 1/4 ID X 1 OD (QTY 3)
281	B1393800		LOCKNUT, NYLON, INSERT 1/4, 20
381	0130M00140		TRANSFORMER 120V TO 24V, 40VA
401	PCBBF302V010		PCB, CIRCUIT BOARD
461	0121F00802		MOUNTING PANEL, CONTROLS
521	0130F00038		AUX LIMIT - LT BLUE 120° (QTY 2)
NS	764740		BLWR BLK-OFF, 10X8 (M1, M2)
NS	0159F00160		CTM, MOTOR HARNESS
NS	M0282015		KEPS NUT (M6)
NS	B1392021		PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
NS	0163M00279		SCREW #6 X .375 SELF DRILL (M6)
NS	B1392820		WASHER, SPLIT LOCK 1/4 BZ (M6)
NS	0150M00043		WHEEL, BLOWER (10 X 8) (M1, M2)
NS	0259F00024		WIRE HARNESS-BLOWER

Expanded Model Nomenclature

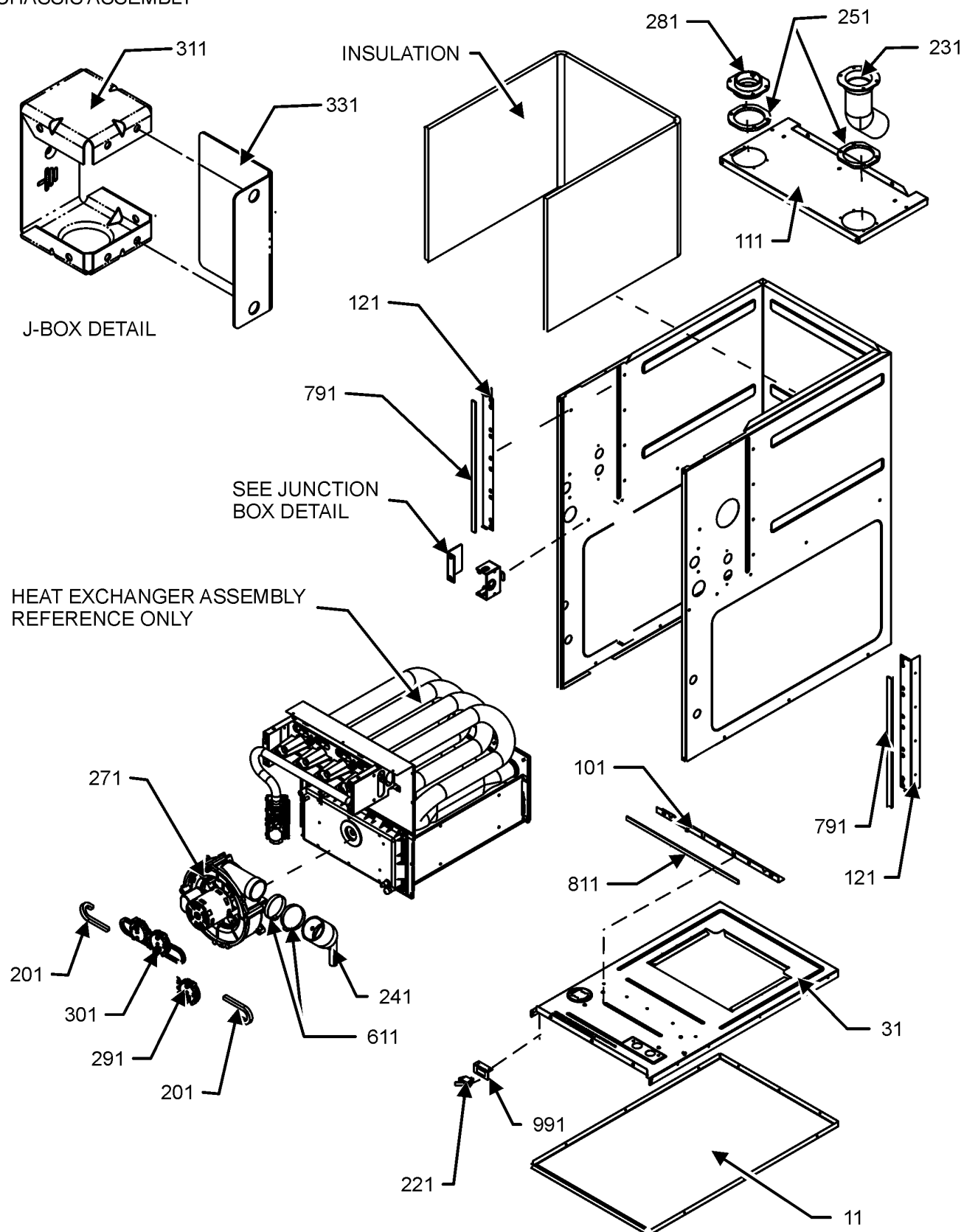
M1 - DD96TN0403BNAA
M2 - DD96TN0403BNAB
M3 - DD96TN0603BNAA
M4 - DD96TN0603BNAB
M5 - DD96TN0803BNAA
M6 - DD96TN1005CNAA

To replace the Shaft end of motor order:

0131F00332M	MOTOR 1/2 HP W/O CONTROLLER
0131F00333M	MOTOR 3/4 HP W/O CONTROLLER
0131F00334M	MOTOR 1 HP W/O CONTROLLER

Chassis Assembly

CHASSIS ASSEMBLY



CHASSIS ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Chassis Assembly

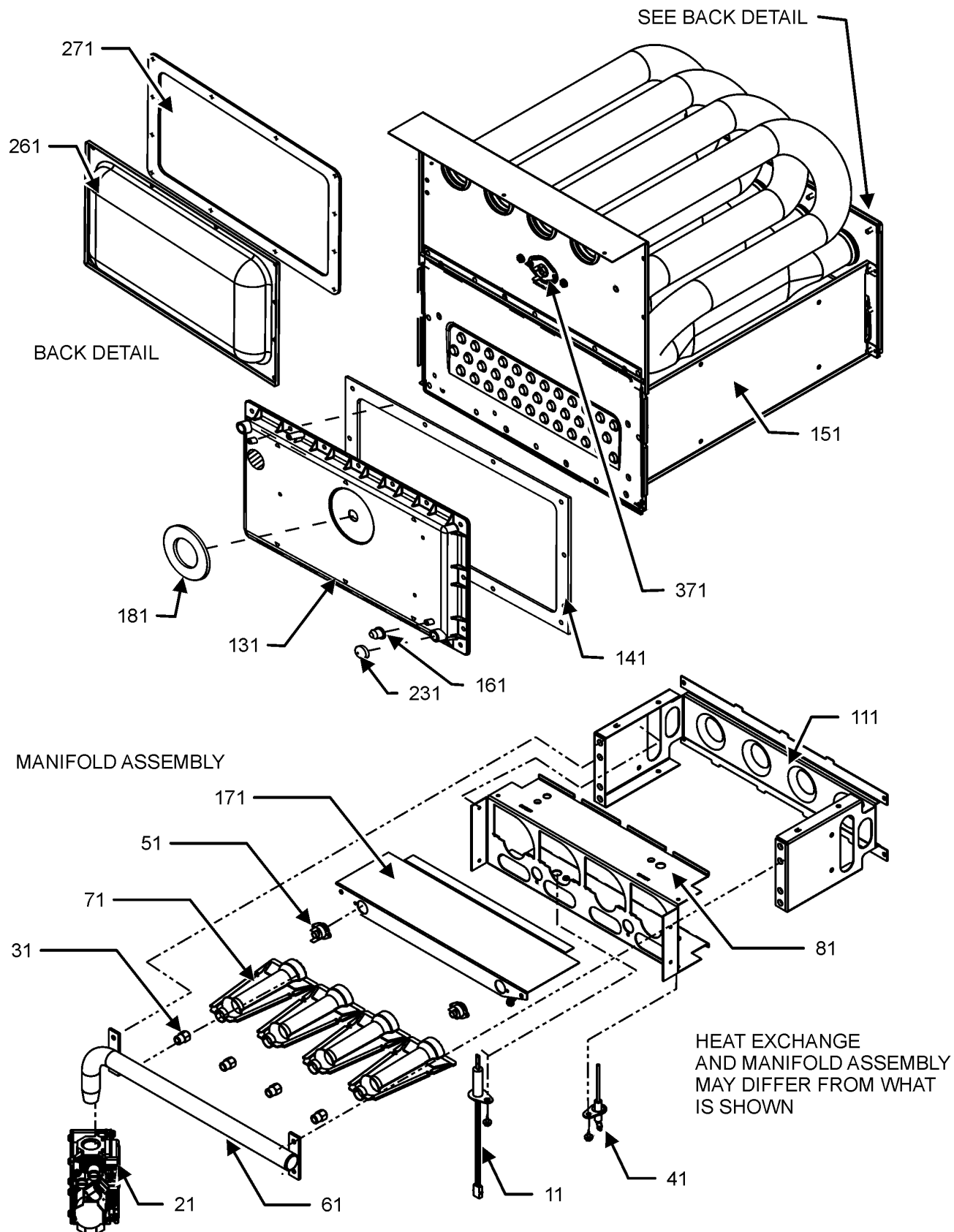
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121F00548DG		PAINTED BASEPAN, 17.5 CF (M1, M2, M3, M4, M5)
11	0121F00549DG		PAINTED BASEPAN, 21 CF (M6)
31	0121F00340NG		DOOR, BLOWER 17.5" PNT (M1, M2, M3, M4, M5)
31	0121F00341NG		DOOR, BLOWER 21" PNT (M6)
101	0121F00314		ANGLE, DECK (M1, M2, M3, M4, M5)
101	0121F00315		ANGLE, DECK (M6)
111	0121F00426DG		TOP, PAINTED FURNACE 17.5" CF (M1, M2, M3, M4, M5)
111	0121F00434DG		TOP, PAINTED FURNACE 21" CF (M6)
121	0121F00313		ANGLE, SIDE (QTY 2)
201	0164M20000		HOSE, PRESSURE
221	10690402		SWITCH-INTERLOCK
231	0161F00064		PIPE, STRAIGHT CF (QTY 2)
241	0164F00026		ELBOW-FLUE, 17.5" CFLOW (M1, M2, M3, M4, M5)
241	0164F00027		ELBOW-FLUE, 21" CFLOW (M6)
251	0154F00041		FRESH AIR GASKET
271	0171M00002		MOTOR-ID, BLOWER
281	0161F00037		COUPLING
291	0130F00429		PRESSURE SWITCH (M3, M4, M5, M6)
291	0130F00485		SWITCH, PRESSURE (M1, M2)
301	0130F00434		SWITCH, PRESSURE (M6)
301	0130F00435		SWITCH, PRESSURE (M1, M2, M3, M4)
301	0130F00436		SWITCH, PRESSURE (M5)
311	0121F20060		BOX, JUNCTION 90%
331	0121F20061		BOX, JUNCTION 80%
611	0163M00460		CLAMP-HOSE (QTY 2)
791	0154F00015		GASKET (QTY 2)
811	0154F00014		GASKET (M1, M2, M3, M4, M5)
811	0154F00016		GASKET (M6)
991	0121F00389		BRACKET, DOOR SWITCH
NS	0164M20002		HOSE, PRESSURE (M6)
NS	0160F00015		INSULATION, HT EXCHANGER 17.5" (M1, M2, M3, M4, M5)
NS	0160F00016		INSULATION, HT EXCHANGER 21" (M6)
NS	M0326804		PLUG-TUBE
NS	0159F20018		WIRE HARNESS (M3, M4, M5, M6)
NS	0159F20021		WIRE HARNESS (M1, M2)

Expanded Model Nomenclature

M1 - DD96TN0403BNAA
M2 - DD96TN0403BNAB
M3 - DD96TN0603BNAA
M4 - DD96TN0603BNAB
M5 - DD96TN0803BNAA
M6 - DD96TN1005CNAA

Heat Exchange and Manifold Assembly

HEAT EXCHANGE ASSEMBLY



Heat Exchange and Manifold Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0130F00008		IGNITOR-SINI 17 SEC
21	0151M00027		GAS VALVE
31	10716005		ORIFICE (QTY 2)
41	0130F00010		FLAME SENSOR
51	0130F00123		LIMIT, RESET MAN (M6)
51	10123538		LIMIT-MAN-LIGHT GREEN (M3, M4)
51	10123533		LIMIT-RESET MAN-YELLOW (M1, M2, M5)
61	0163F00007		MANIFOLD (M1, M2)
61	0163F00008		MANIFOLD (M3, M4)
61	0163F00010		MANIFOLD (M6)
61	0163F00014		MANIFOLD (M5)
71	0163F00017		BECKETT BURNER (QTY 2)
81	0121F00456		BRACKET-BURNER 2 (M1, M2)
81	0121F00455		BRACKET-BURNER 3 (M3, M4)
81	0121F00454		BRACKET-BURNER 4 (M5)
81	0121F00453		BRACKET-BURNER 5 (M6)
111	0121F00469		ORIFICE BRACKET-BURNER 2 (M1, M2)
111	0121F00468		ORIFICE BRACKET-BURNER 3 (M3, M4)
111	0121F00467		ORIFICE BRACKET-BURNER 4 (M5)
111	0121F00466		ORIFICE BRACKET-BURNER 5 (M6)
131	0161F00072		COVER FRONT (M6)
131	0161F00053		COVER, FRONT (M1, M2)
131	0161F00078		COVER, FRONT (M3, M4)
131	0161F00079		COVER, FRONT (M5)
141	0154F00026		GASKET FRONT COVER (M1, M2, M3, M4, M5)
141	0154F00030		GASKET FRONT COVER (M6)
151	0257F20077		HEAT EXCHANGER ASSY (M1, M2)
151	0257F20078		HEAT EXCHANGER ASSY (M3, M4)
151	0257F20079		HEAT EXCHANGER ASSY (M5)
151	0257F20080		HEAT EXCHANGER ASSY (M6)
161	M0326804		TUBE PLUG
171	0121F00539		SHEILD, BURNER (M1, M2)
171	0121F00540		SHEILD, BURNER (M3, M4)
171	0121F00541		SHEILD, BURNER (M5)
171	0121F00542		SHEILD, BURNER (M6)
181	0154F00043		GASKET ID BLOWER
231	A1781105		CAP-VINYL .500
261	0121F00317		COVER, REAR (M1, M2, M3, M4, M5)
261	0121F00318		COVER, REAR (M6)
271	0154F00037		GASKET, REAR CVR (M1, M2, M3, M4, M5)
271	0154F00038		GASKET, REAR CVR (M6)
371	20162904		*PRIMARY LIMIT-TEMPERATURE CONTROL (M5)
371	20162906		PRIMARY LIMIT - WHITE (M1, M2, M3, M4, M6)
NS	0121F00583		INSULATION, RETAINER (M1, M2, M3, M4, M5)
NS	0121F00584		INSULATION, RETAINER (M6)
NS	0121F00355		SHIELD, COIL (QTY 2)

Expanded Model Nomenclature

M1 - DD96TN0403BNAA
M2 - DD96TN0403BNAB
M3 - DD96TN0603BNAA
M4 - DD96TN0603BNAB
M5 - DD96TN0803BNAA
M6 - DD96TN1005CNAA