



REPAIR PARTS

GMEC 96% Two-Stage Multi-Speed ECM Furnace

GMEC960303ANAB
GMEC960403ANAB
GMEC960603ANAB
GMEC960603BNBA
GMEC960603BNBB
GMEC960803BNAD
GMEC960804CNAD
GMEC961004CNAD
GMEC961005CNAD
GMEC961205DNAD



This manual is to be used by qualified technicians only.

This manual replaces RP-G2323

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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 Manufacturing 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 Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Manufacturing 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 Manufacturing 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 Manufacturing Company, L.P.

19001 Kermier Road

Waller, Texas 77484

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part No:

Description:

20162904	*LIMIT, PRIMARY (M6, M7) *Refer to service bulletin SF-054	0130F00434	SWITCH, PRESSURE (M8)
0257F00442	ASSY, HEAT EXCHANGER (M2)	0130F00435	SWITCH, PRESSURE (M4, M5)
0257F00445	ASSY, HEAT EXCHANGER (M3)	0130F00443	SWITCH, PRESSURE (M7, M9)
0257F00444	ASSY, HEAT EXCHANGER (M1)	0130F00436	SWITCH, PRESSURE (M6)
0130F00038	AUX LIMIT - LT BLUE 120° (QTY 2)	0130M00140	TRANSFORMER 120V TO 24V, 40VA
0163F00017	BECKETT BURNER (QTY 2)		
0271F00322	BLOWER SHELL & WHEEL ASSY (M1, M2, M3)		
0271F00163	BLOWER SHELL & WHEEL ASSY (M10)		
0271F00161	BLOWER SHELL & WHEEL ASSY (M7, M8, M9)		
0271F00159	BLOWER SHELL & WHEEL ASSY (M4, M5, M6)		
0130F00010	FLAME SENSOR		
0151M00027	GAS VALVE		
0257F00379	HEAT EXCHANGER ASSY (M6)		
0257F00396	HEAT EXCHANGER ASSY (M9)		
0257F00393	HEAT EXCHANGER ASSY (M8)		
0257F00240	HEAT EXCHANGER ASSY (M7)		
0257F00374	HEAT EXCHANGER ASSY (M4, M5)		
0257F00333	HEAT EXCHANGER ASSY (M10)		
0171M00007	ID BLOWER, 2 Stg (M1, M2, M3)		
0130F00008	IGNITOR-SINI 17 SEC		
0130M00243	INTERLOCK SWITCH		
20162906	LIMIT, PRIMARY (M4, M5, M8)		
20162903	LIMIT, PRIMARY (M1, M2, M3, M9)		
0130F00036	LIMIT, PRIMARY, 180, PINK (M10)		
10123539	MANUAL RESET R.O.S. LIMIT (M4, M5, M7)		
0130F00123	MANUAL RESET R.O.S. LIMIT (M6)		
10123527	MANUAL RESET R.O.S. LIMIT (M10)		
10123534	MANUAL RESET R.O.S. LIMIT (M8, M9)		
10123538	MANUAL RESET R.O.S. LIMIT (M1, M2)		
10123517	MANUAL RESET R.O.S. LIMIT (M3)		
0131F00179	MOTOR PROGRAMMED (M7)		
0131F00182	MOTOR PROGRAMMED (M9)		
0131F00185	MOTOR PROGRAMMED (M6)		
0131F00178	MOTOR PROGRAMMED (M5)		
0131F00180	MOTOR PROGRAMMED (M8)		
0131F00176	MOTOR PROGRAMMED (M3)		
0131F00181	MOTOR PROGRAMMED (M10)		
0131F00175	MOTOR PROGRAMMED (M1)		
0131F00177	MOTOR PROGRAMMED (M2)		
0131F00059	MOTOR, BLOWER (M4)		
0171M00002	MOTOR-ID, BLOWER (M4, M5, M6, M7, M8, M9, M10)		
PCBBF139	PCB, IGNITION CONTROL		
0130F00645	PRESSURE SWITCH (M3)		
0130F00429	PRESSURE SWITCH (M4, M5, M6, M7, M8, M9, M10)		
0130F00646	PRESSURE SWITCH (M3)		
0130F00647	PRESSURE SWITCH (M1, M2)		
0130F00644	PRESSURE SWITCH (M2)		
0130F00643	PRESSURE SWITCH (M1)		
0130F00445	SWITCH, PRESSURE (M10)		

SPECIAL PARTS

0161F00086 NAMEPLATE, GOODMAN

Expanded Model Nomenclature

M1 - GMEC960303ANAB
M2 - GMEC960403ANAB
M3 - GMEC960603ANAB
M4 - GMEC960603BNBA
M5 - GMEC960603BNBB
M6 - GMEC960803BNAD
M7 - GMEC960804CNAD
M8 - GMEC961004CNAD
M9 - GMEC961005CNAD
M10 - GMEC961205DNAD

Cabinet Assembly

IMAGE 1

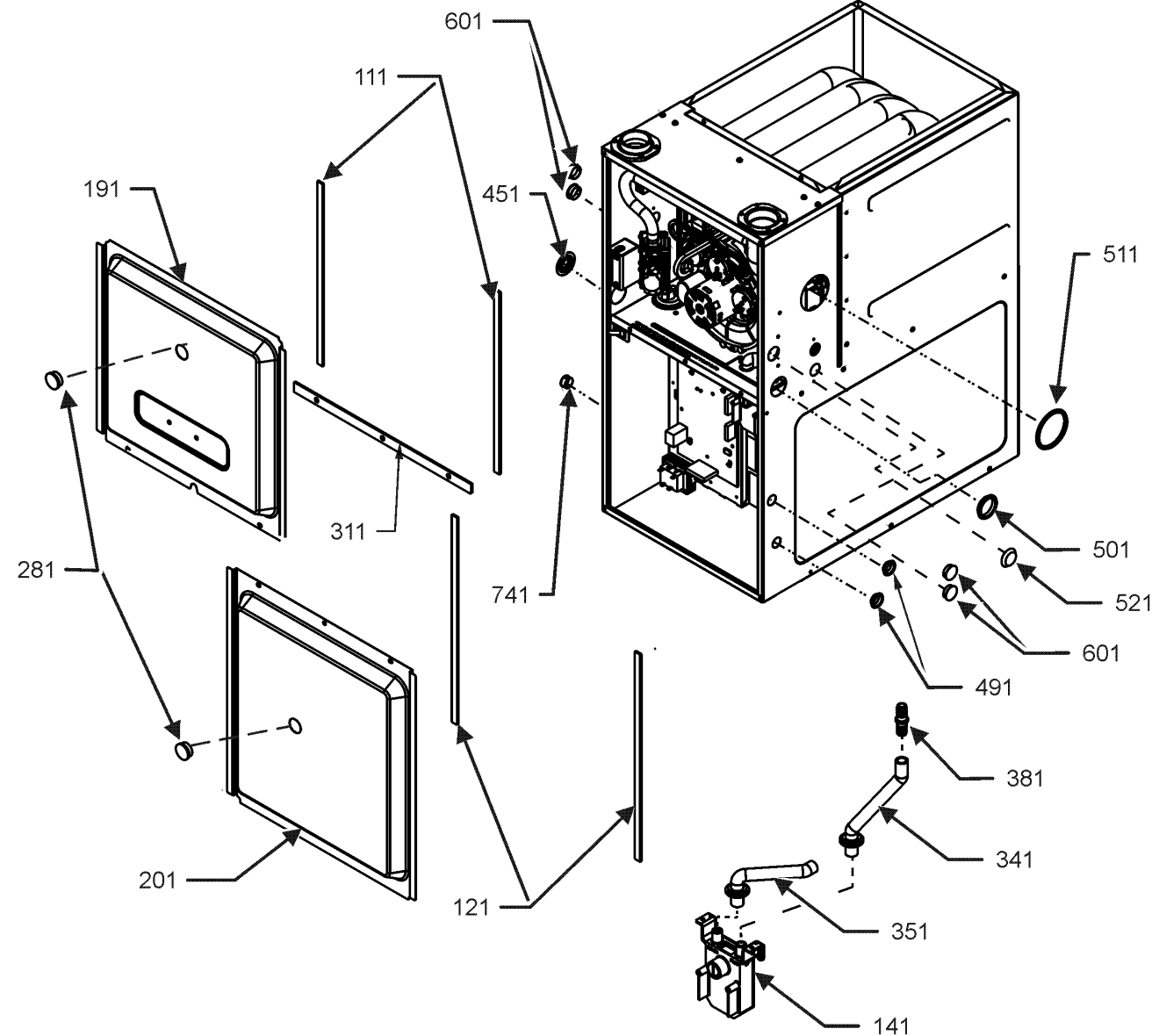
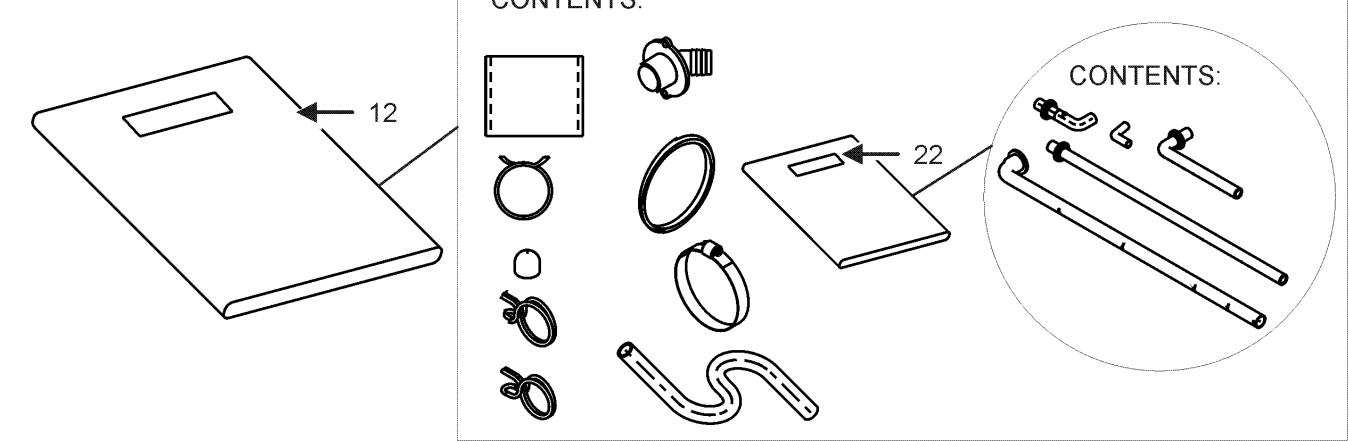


IMAGE 2



Cabinet Assembly

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

111	0154F00024	GASKET (QTY 2)
121	0154F00025	GASKET (QTY 2)
141	0161F00046	DRAIN TRAP
191	0121F00291DG	DOOR, ACCESS 17.5 PNT (M4, M5, M6)
191	0121F00292DG	DOOR, ACCESS 21 PNT (M7, M8, M9)
191	0121F00293DG	DOOR, ACCESS 24.5 PNT (M10)
191	0121F00674DG	PNT, DOOR, ACCESS 14" (M1, M2, M3)
201	0121F00288DG	DOOR, BLOWER 17.5 PNT (M4, M5, M6)
201	0121F00289DG	DOOR, BLOWER 21 PNT (M7, M8, M9)
201	0121F00290DG	DOOR, BLOWER 24.5 PNT (M10)
201	0121F00672DG	PNT, DOOR, BLOWER 14" (M1, M2, M3)
281	B1392139	VIEW PORT BUSHING-BLOWER DOOR (QTY 2)
311	0154F00020	GASKET, DECK (M4, M5, M6)
311	0154F00021	GASKET, DECK (M7, M8, M9)
311	0154F00022	GASKET, DECK (M10)
311	0154F00063	GASKET, DECK (M1, M2, M3)
341	0164F00017	HOSE-ELBOW/TRAP (M1, M2, M4, M5, M6, M7, M8, M9, M10)
351	0164F00006	HOSE, COVER/TRAP (M10)
351	0164F00024	HOSE, COVER/TRAP (M4, M5, M6, M7, M8, M9)
381	0161F00047	COUPLING, HOSE BARBED
451	M0501301	PIPE GROMMET
491	M0570808	BUTTON PLUG (QTY 3)
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	0163M00319	HEX NUT-INSERT (QTY 3)
NS	0161F00086	NAMEPLATE, GOODMAN
NS	M0273904	RETAINER SCREW (QTY 3)
NS	M0209730	SCREW-DECORATIVE (QTY 3)

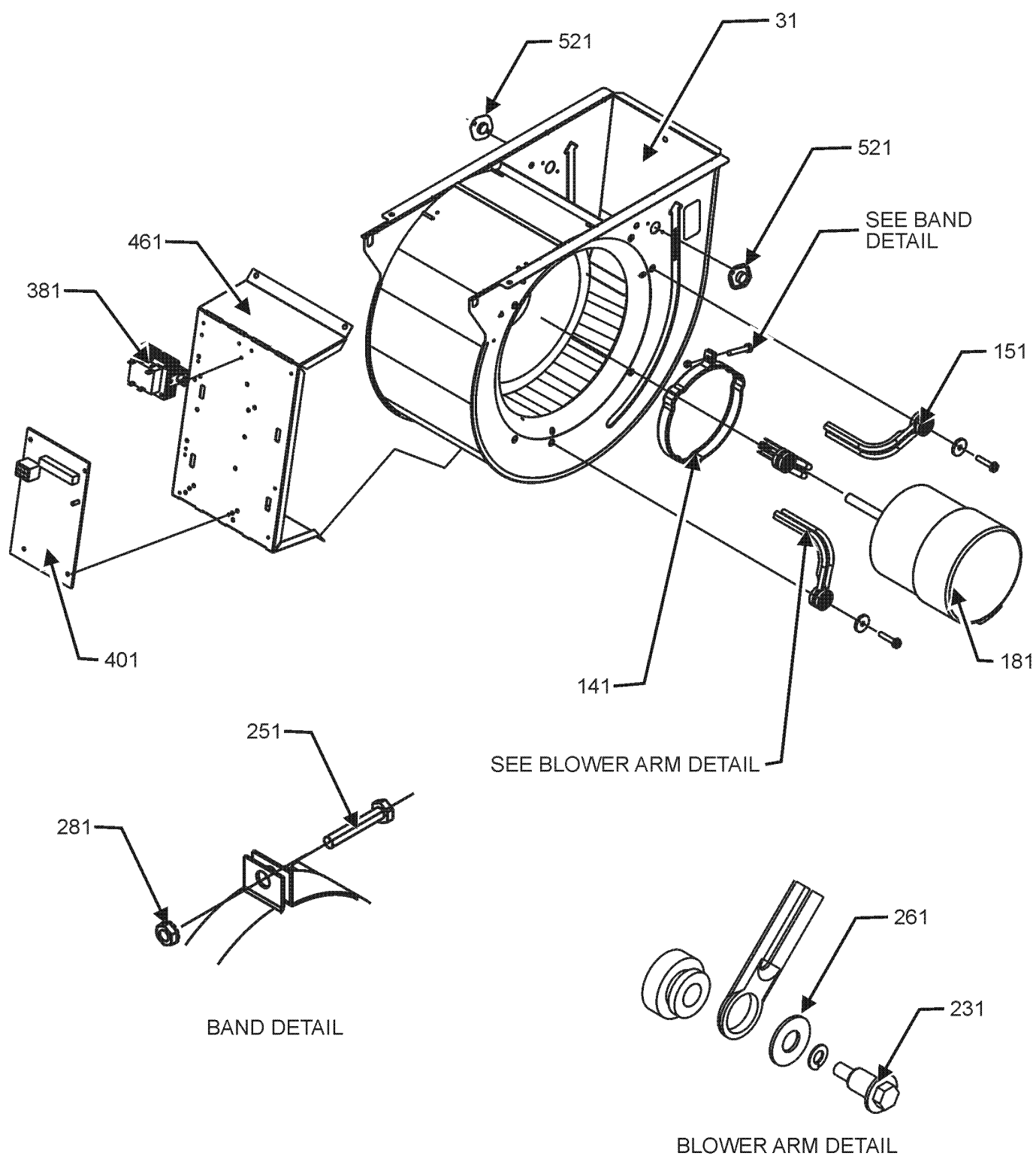
Image 2:

12	0270F05248	DRAIN KIT ASSY
22	0270F05248	DRAIN KIT ASSY

Expanded Model Nomenclature

M1 - GMEC960303ANAB
M2 - GMEC960403ANAB
M3 - GMEC960603ANAB
M4 - GMEC960603BNBA
M5 - GMEC960603BNBB
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M7 - GMEC960804CNAD
M8 - GMEC961004CNAD
M9 - GMEC961005CNAD
M10 - GMEC961205DNAD

Blower Assembly



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

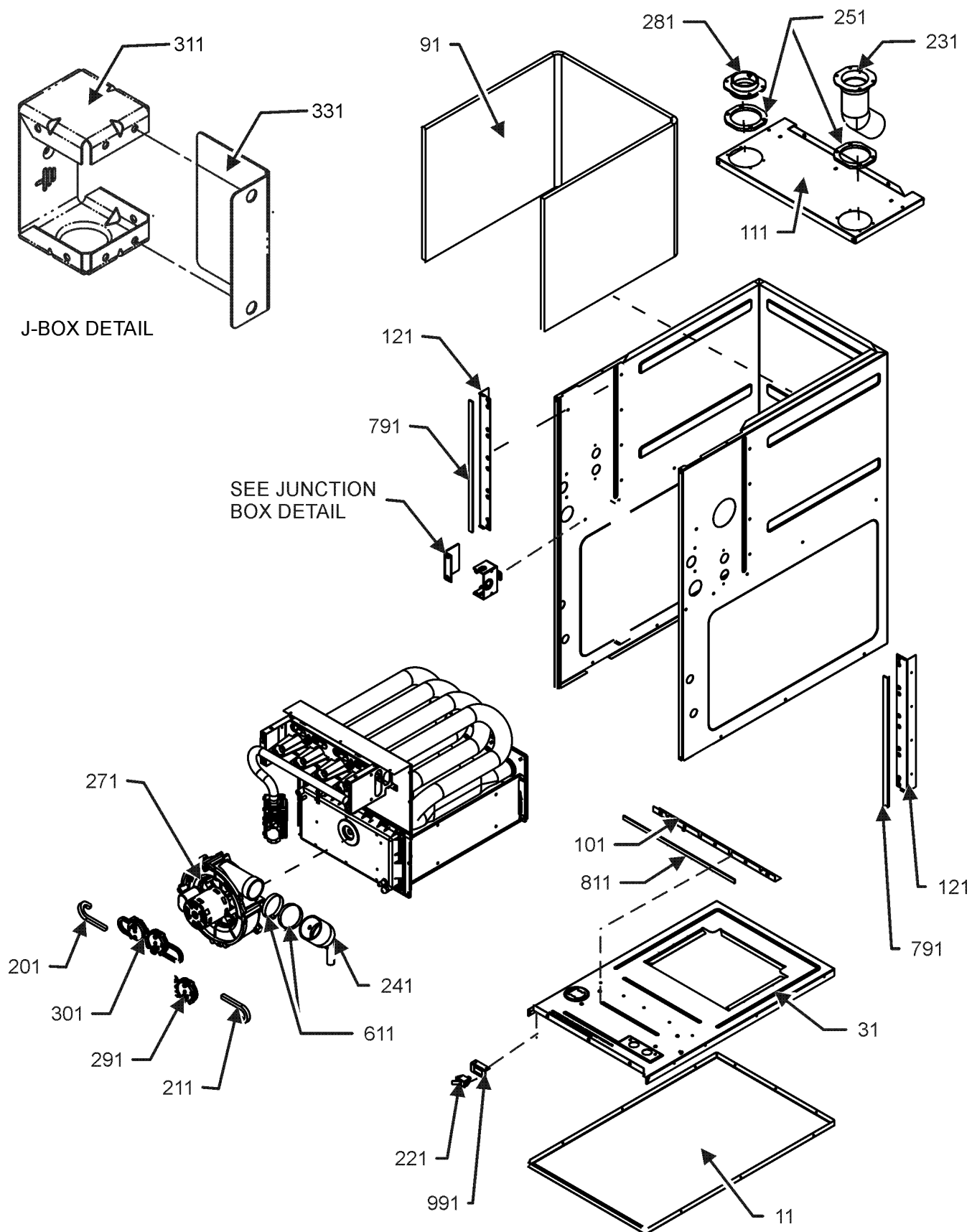
Blower Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
31	0271F00159		BLOWER SHELL & WHEEL ASSY (M4, M5, M6)
31	0271F00161		BLOWER SHELL & WHEEL ASSY (M7, M8, M9)
31	0271F00163		BLOWER SHELL & WHEEL ASSY (M10)
31	0271F00322		BLOWER SHELL & WHEEL ASSY (M1, M2, M3)
141	0121M00038		MOUNT BAND, MOTOR (M4)
141	0121M00039		MOUNT BAND, MOTOR (HEAVY DUTY) (M1, M2, M3, M5, M6, M7, M8, M9, M10)
151	B1376857		MOTOR MOUNT ARM (M4)
151	B1376863		MOUNT ARM, MOTOR (HEAVY DUTY) (M1, M2, M3, M5, M6, M7, M8, M9, M10)
181	0131F00175		MOTOR PROGRAMMED (M1)
181	0131F00176		MOTOR PROGRAMMED (M3)
181	0131F00177		MOTOR PROGRAMMED (M2)
181	0131F00178		MOTOR PROGRAMMED (M5)
181	0131F00179		MOTOR PROGRAMMED (M7)
181	0131F00180		MOTOR PROGRAMMED (M8)
181	0131F00181		MOTOR PROGRAMMED (M10)
181	0131F00182		MOTOR PROGRAMMED (M9)
181	0131F00185		MOTOR PROGRAMMED (M6)
181	0131F00059		MOTOR, BLOWER (M4)
231	M0250565		TC SCREW 1.25" (QTY 3)
251	0163M00320		HEX HEAD ALL THREAD TAP BOLT (M1, M2, M3, M5, M6, M7, M8, M9, M10)
251	B1393323		MACHINE SCREW HWH 1/4-20 X 1-1/2 BZ (M4)
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	PCBBF139		PCB, IGNITION CONTROL
461	0121F00464		MOUNTING PLATE-CONTROLS
521	0130F00038		AUX LIMIT - LT BLUE 120° (QTY 2)
NS	B1392021		PLASTIC PLUG, 1" (2713-BLK) (QTY 4)
NS	B1392820		WASHER, SPLIT LOCK 1/4 BZ (M8, M9, M10)
NS	0259F00024		WIRE HARNESS-BLOWER

Expanded Model Nomenclature

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M4 - GMEC960603BNBA
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M6 - GMEC960803BNAD
M7 - GMEC960804CNAD
M8 - GMEC961004CNAD
M9 - GMEC961005CNAD
M10 - GMEC961205DNAD

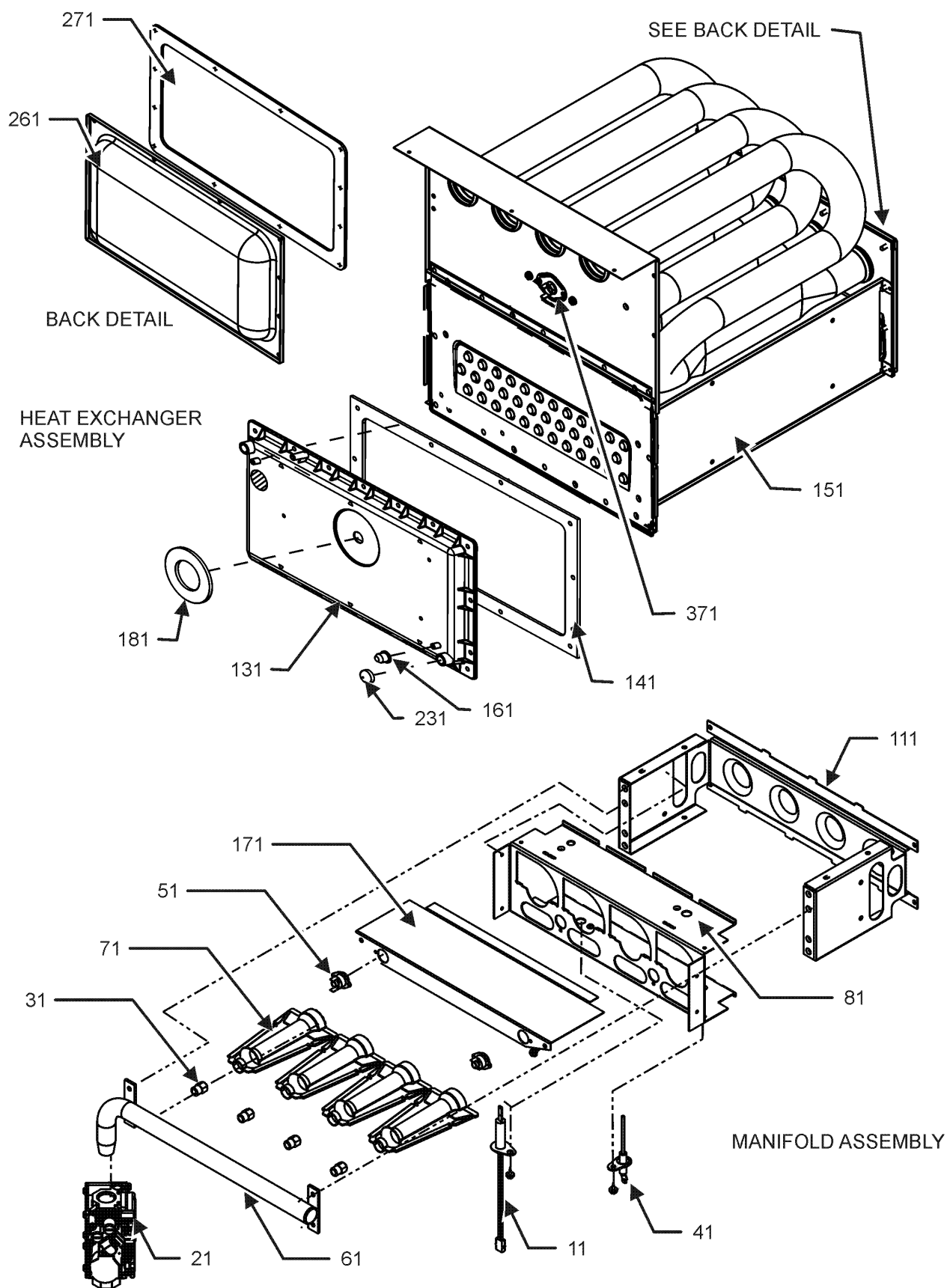
Chassis Assembly



Chassis Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 1:	
11	0121F00530DG	NS	0159F00076 WIRING HARNESS
11	0121F00531DG	Expanded Model Nomenclature	
11	0121F00532DG	M1 - GMEC960303ANAB M2 - GMEC960403ANAB M3 - GMEC960603ANAB M4 - GMEC960603BNBA M5 - GMEC960603BNBB M6 - GMEC960803BNAD M7 - GMEC960804CNAD M8 - GMEC961004CNAD M9 - GMEC961005CNAD M10 - GMEC961205DNAD	
11	0121F00664DG		
31	0121F00663		
31	0121F00533		
31	0121F00534		
31	0121F00535		
91	0160F00025		
91	0160F00015		
91	0160F00016		
91	0160F00017		
101	0121F00314		
101	0121F00315		
101	0121F00316		
101	0121F00661		
111	0121F00279DG		
111	0121F00280DG		
111	0121F00281DG		
111	0121F00662DG		
121	0121F00313		
201	0164M00007		
201	0164M00019		
211	0164M00010		
221	0130M00243		
231	0164F00002		
241	0164F00001		
251	0154F00041		
271	0171M00007		
271	0171M00002		
281	0161F00037		
291	0130F00429		
291	0130F00646		
291	0130F00647		
301	0130F00643		
301	0130F00644		
301	0130F00645		
301	0130F00434		
301	0130F00435		
301	0130F00436		
301	0130F00443		
301	0130F00445		
311	0161F00042		
331	0161F00043		
611	0163M00460		
791	0154F00015		
811	0154F00014		
811	0154F00016		
811	0154F00064		
811	20194607		
991	0121F00389		
NS	0159F00088		
NS	M0326804		

Heat Exchange Assembly



Heat Exchange Assembly

Ref. Part No: No:	Description:		Ref. Part No: No:	Description:	
Image 1:			Image 1:		
11	0130F00008	IGNITOR-SINI 17 SEC	171	0121F00542	SHEILD, BURNER (M8, M9)
21	0151M00027	GAS VALVE	171	0121F00543	SHEILD, BURNER (M10)
31	0163F00019	ORIFICE (M1)	171	0121F00758	SHEILD, BURNER (M3)
31	10716005	ORIFICE (M2, M3, M4, M5, M6, M7, M8, M9, M10)	171	0121F00755	SHIELD, BURNER (M1, M2)
41	0130F00010	FLAME SENSOR	181	0154F00043	GASKET ID BLOWER
51	0130F00123	MANUAL RESET R.O.S. LIMIT (M6)	231	A1781105	CAP-VINYL .500
51	10123517	MANUAL RESET R.O.S. LIMIT (M3)	261	0121F00317	COVER, REAR (M4, M5, M6)
51	10123527	MANUAL RESET R.O.S. LIMIT (M10)	261	0121F00318	COVER, REAR (M7, M8, M9)
51	10123534	MANUAL RESET R.O.S. LIMIT (M8, M9)	261	0121F00319	COVER, REAR (M10)
51	10123538	MANUAL RESET R.O.S. LIMIT (M1, M2)	261	0121F00670	COVER, REAR (M1, M2, M3)
51	10123539	MANUAL RESET R.O.S. LIMIT (M4, M5, M7)	271	0154F00058	GASKET REAR CVR (M1, M2, M3)
61	0163F00007	MANIFOLD (M1, M2)	271	0154F00037	GASKET, REAR CVR (M4, M5, M6)
61	0163F00008	MANIFOLD (M4, M5)	271	0154F00038	GASKET, REAR CVR (M7, M8, M9)
61	0163F00009	MANIFOLD (M7)	271	0154F00039	GASKET, REAR CVR (M10)
61	0163F00010	MANIFOLD (M8, M9)	371	20162904	*LIMIT, PRIMARY (M6, M7)
61	0163F00011	MANIFOLD (M10)			*Refer to service bulletin SF-054
61	0163F00014	MANIFOLD (M6)	371	20162903	LIMIT, PRIMARY (M1, M2, M3, M9)
61	0163F00037	MANIFOLD, 3B (M3)	371	20162906	LIMIT, PRIMARY (M4, M5, M8)
71	0163F00017	BECKETT BURNER (QTY 2)	371	0130F00036	LIMIT, PRIMARY, 180, PINK (M10)
81	0121F00456	BRACKET-BURNER 2 (M1, M2)	NS	0121F00582	INSULATION, RETAINER (M1, M2, M3)
81	0121F00455	BRACKET-BURNER 3 (M3, M4, M5)	NS	0121F00583	INSULATION, RETAINER (M4, M5, M6)
81	0121F00454	BRACKET-BURNER 4 (M6, M7)	NS	0121F00584	INSULATION, RETAINER (M7, M8, M9)
81	0121F00453	BRACKET-BURNER 5 (M8, M9)	NS	0121F00585	INSULATION, RETAINER (M10)
81	0121F00451	BRACKET-BURNER 6 (M10)	NS	0121F00439	PRIMARY LIMIT-HEAT SHIELD
111	0121F00469	ORIFICE BRACKET-BURNER 2 (M1, M2)	NS	0121F00355	SHIELD, COIL (QTY 2)
111	0121F00468	ORIFICE BRACKET-BURNER 3 (M3, M4, M5)	Expanded Model Nomenclature		
111	0121F00467	ORIFICE BRACKET-BURNER 4 (M6, M7)	M1 - GMEC960303ANAB M2 - GMEC960403ANAB M3 - GMEC960603ANAB M4 - GMEC960603BNBA M5 - GMEC960603BNBB M6 - GMEC960803BNAD M7 - GMEC960804CNAD M8 - GMEC961004CNAD M9 - GMEC961005CNAD M10 - GMEC961205DNAD		
111	0121F00466	ORIFICE BRACKET-BURNER 5 (M8, M9)			
111	0121F00465	ORIFICE BRACKET-BURNER 6 (M10)			
131	0161F00072	COVER FRONT (M9)			
131	0161F00024	COVER, FRONT (M6)			
131	0161F00030	COVER, FRONT (M7)			
131	0161F00054	COVER, FRONT (M4, M5)			
131	0161F00063	COVER, FRONT (M10)			
131	0161F00081	COVER, FRONT (M1)			
131	0161F00082	COVER, FRONT (M2)			
131	0161F00083	COVER, FRONT (M3)			
131	0161F00065	COVER,FRONT (M8)			
141	0154F00026	GASKET FRONT COVER (M4, M5, M6)			
141	0154F00030	GASKET FRONT COVER (M7, M8, M9)			
141	0154F00034	GASKET FRONT COVER (M10)			
141	0154F00059	GASKET FRONT COVER			
141	0154F00059	GASKET FRONT COVER			
141	0154F00059	GASKET FRONT COVER			
141	0154F00062	GASKET FRONT COVER (M1, M2, M3)			
151	0257F00442	ASSY, HEAT EXCHANGER (M2)			
151	0257F00444	ASSY, HEAT EXCHANGER (M1)			
151	0257F00445	ASSY, HEAT EXCHANGER (M3)			
151	0257F00240	HEAT EXCHANGER ASSY (M7)			
151	0257F00333	HEAT EXCHANGER ASSY (M10)			
151	0257F00374	HEAT EXCHANGER ASSY (M4, M5)			
151	0257F00379	HEAT EXCHANGER ASSY (M6)			
151	0257F00393	HEAT EXCHANGER ASSY (M8)			
151	0257F00396	HEAT EXCHANGER ASSY (M9)			
161	M0326804	TUBE PLUG			
171	0121F00540	SHEILD, BURNER (M4, M5)			
171	0121F00541	SHEILD, BURNER (M6, M7)			