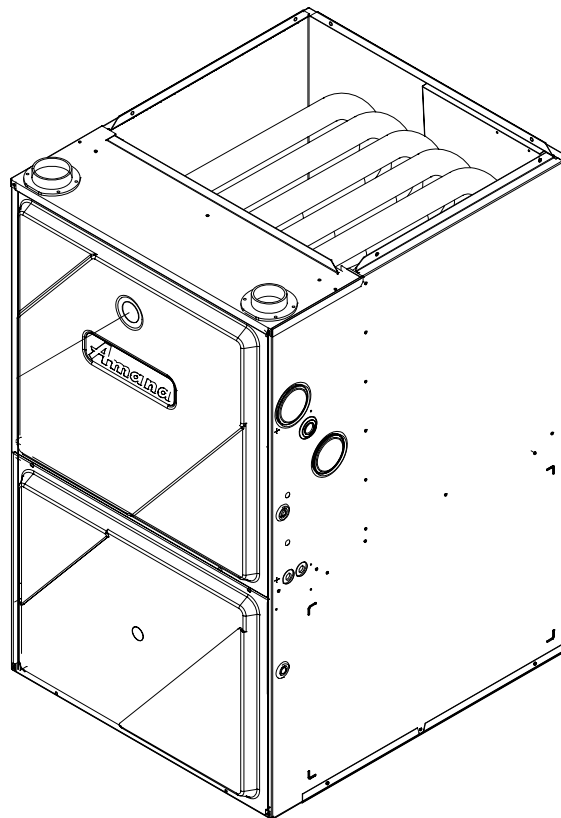


AMV9*XA Upflow/Horizontal Two-Stage/Variable Speed 90% Gas Furnace

AMV90453BXA P1257401F
AMV90453BXA P1257407F
AMV90704CXA P1257403F
AMV90704CXA P1257408F
AMV90905DXA P1257405F
AMV91155DXA P1257406F



RP6612007 Revision 1
August 2006

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Important Information

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Illustration and Parts	4 - 11

Views shown are for parts illustrations only, not servicing procedures.

Rev. 1: Added models AMV90453BXA/P1257407F and AMV90704CXA/P1257408F

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

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For assistance within the U.S.A. contact:

Consumer Affairs Department

Goodman Company, L.P.

7401 Security Way

Houston, Texas 77040

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

**Part
No:**

Description:

20275905

WIRING HARNESS

10735102 BECKETT BURNER (QTY AR)

20511017 END BELL (M3)

20510125 END BELL (M2, M6)

20509314 END BELL (M1, M5)

20511018 END BELL (M4)

0130F00010 FLAME SENSOR

0151F00000P GAS VALVE

20317357 HEAT EXCHANGER ASSY 2B (M1)

20317341 HEAT EXCHANGER ASSY 2B (M5)

20317358 HEAT EXCHANGER ASSY 3B (M2)

20317343 HEAT EXCHANGER ASSY 3B (M6)

20317359 HEAT EXCHANGER ASSY 4B (M3)

20317360 HEAT EXCHANGER ASSY 5B (M4)

20245903 ID BLOWER

20218901 INDUCTOR COIL (M2, M3, M4, M6)

20300006 INTEGRATED CONTROL

10690402 INTERLOCK SWITCH

20162907 LIMIT (M2, M6)

20162905 LIMIT (M1, M3, M5)

20162903 LIMIT (M4)

20196401 MANIFOLD (M1, M5)

20196402 MANIFOLD (M2, M6)

20196403 MANIFOLD (M3)

20196404 MANIFOLD (M4)

0231K00036A MOTOR, 1 HP PROGRAMMED (M3)

0231K00037A MOTOR, 1 HP PROGRAMMED (M4)

0231K00009A MOTOR, 1/2 HP PROGRAMMED (M1, M5)

0231K00024A MOTOR, 3/4 HP PROGRAMMED (M2, M6)

10716003 ORIFICE (QTY AR)

20197308 PRESSURE SWITCH

11177113 PRESSURE SWITCH (M1, M2, M5, M6)

11177114 PRESSURE SWITCH (M3, M4)

10123537 RESET LIMIT, MANUAL (M2, M6)

10123535 RESET LIMIT, MANUAL (M1, M5)

10123533 RESET LIMIT, MANUAL (M4)

10123536 RESET LIMIT, MANUAL (M3)

10123537 RESET LIMIT, MANUAL (M3)

10123518 RESET LIMIT, MANUAL (M1, M5)

10123533 RESET LIMIT, MANUAL (M2, M4, M6)

11111701 SINI IGNITOR

B1141605 TRANSFORMER, 120V TO 24V, 40VA

20276014 WIRING HARNESS

11118705 WIRING HARNESS

SPECIAL PARTS

PM-ATAXCRDT2C AMANA TAX CRDT 200 (M3, M4, M5, M6)

HI-115A HOMEOWNERS INSTRUCTIONS

IO-253G INSTALLATION INSTRUCTIONS

IO-661 INSTALLATION INSTRUCTIONS, MASS.

0161M00003P NAMEPLATE, AMANA

RP6612007 REPAIR PARTS MANUAL

10195517 STANDPIPE BAG ASSY

Expanded Model Nomenclature

M1 - AMV90453BXA	P1257401F
M2 - AMV90704CXA	P1257403F
M3 - AMV90905DXA	P1257405F
M4 - AMV91155DXA	P1257406F
M5 - AMV90453BXA	P1257407F
M6 - AMV90704CXA	P1257408F

Cabinet/Standpipe Bag Assy

Image 1

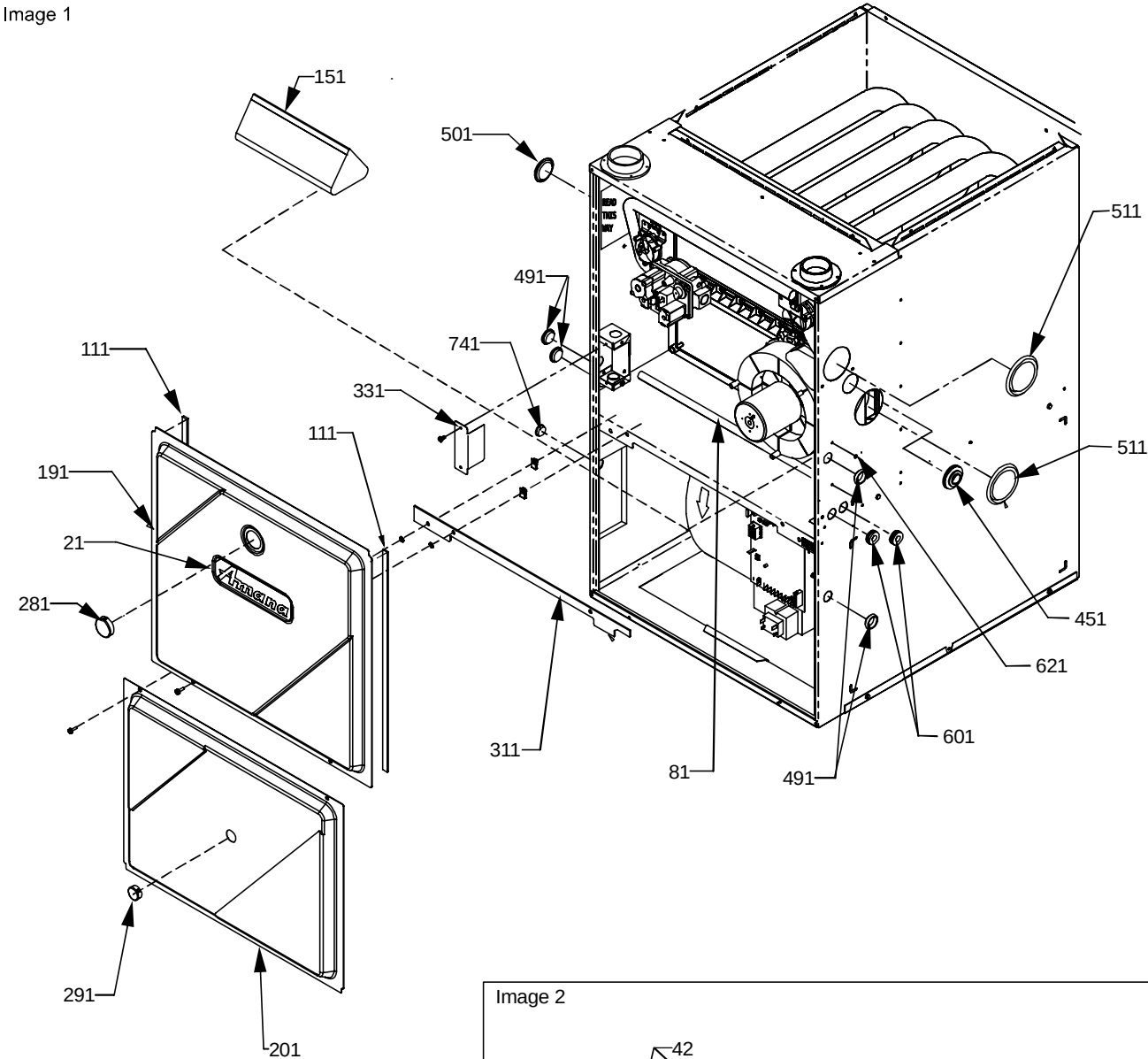
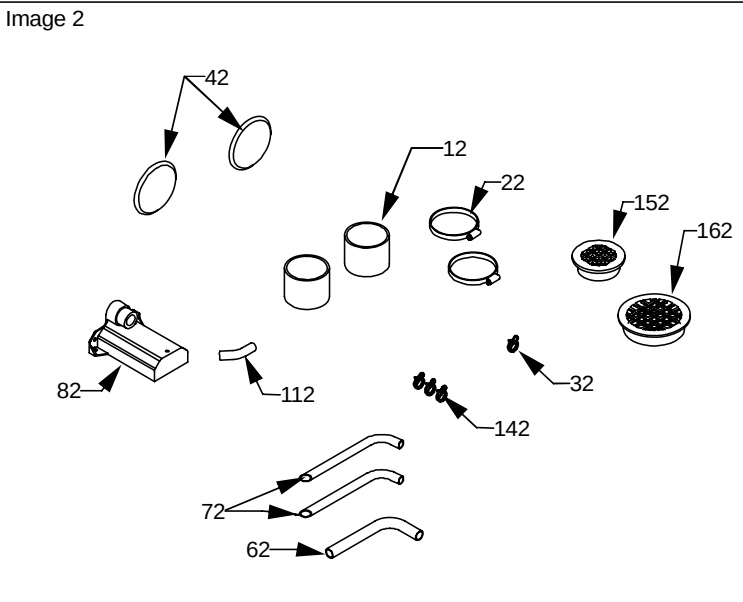


Image 2



Cabinet/Standpipe Bag Assy

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

21	0161M00003P	NAMEPLATE, AMANA
81	20201902	DRAIN HOSE
111	20179308	GASKET (QTY 2)
151	10195517	STANDPIPE BAG ASSY
191	20273108	ACCESS DOOR (M1, M5)
191	20273110	ACCESS DOOR (M2, M6)
191	20273112	ACCESS DOOR (M3, M4)
201	20177308	BLOWER DOOR (M1, M5)
201	20177310	BLOWER DOOR (M2, M6)
201	20177312	BLOWER DOOR (M3, M4)
281	11104002	VIEWPORT BUSHING, ACCESS DOOR
291	B1392139	VIEW PORT BUSHING, BLOWER DOOR
311	22320001	DECK GASKET (M1, M5)
311	22320002	DECK GASKET (M2, M6)
311	22320003	DECK GASKET (M3, M4)
331	10736201	COVER, HIGH VOLTAGE BOX
451	M0501301	PIPE GROMMET
491	M0570808	BUTTON PLUG (QTY 4)
501	M0570806	BUTTON PLUG
511	M0570807	BUTTON PLUG (QTY 2)
601	A4691701	GROMMET (QTY 2)
621	M0310345	BUTTON PLUG (QTY 2)
741	B1392104	UNIVERSAL BUSHING UB 875 (QTY 2)

Image 2:

12	10254303	RUBBER COUPLING
22	A3326002	HOSE CLAMP (QTY 2)
32	M0119207	HOSE CLAMP
42	20179307	GASKET (M3, M4)
42	20179309	GASKET (M1, M5)
42	20179310	GASKET (M2, M6)
62	20201901	DRAIN HOSE
72	20201802	DRAIN TUBE (QTY 2)
82	20171701	DRAIN TRAP
112	20214203	ANGLE DRAIN
142	M0119205	HOSE CLAMP (QTY 3)
152	B2810816	2" MESH INSERT
162	B2810814	3" MESH INSERT

Expanded Model Nomenclature

M1 - AMV90453BXA	P1257401F
M2 - AMV90704CXA	P1257403F
M3 - AMV90905DXA	P1257405F
M4 - AMV91155DXA	P1257406F
M5 - AMV90453BXA	P1257407F
M6 - AMV90704CXA	P1257408F

Blower Assy

Image 1

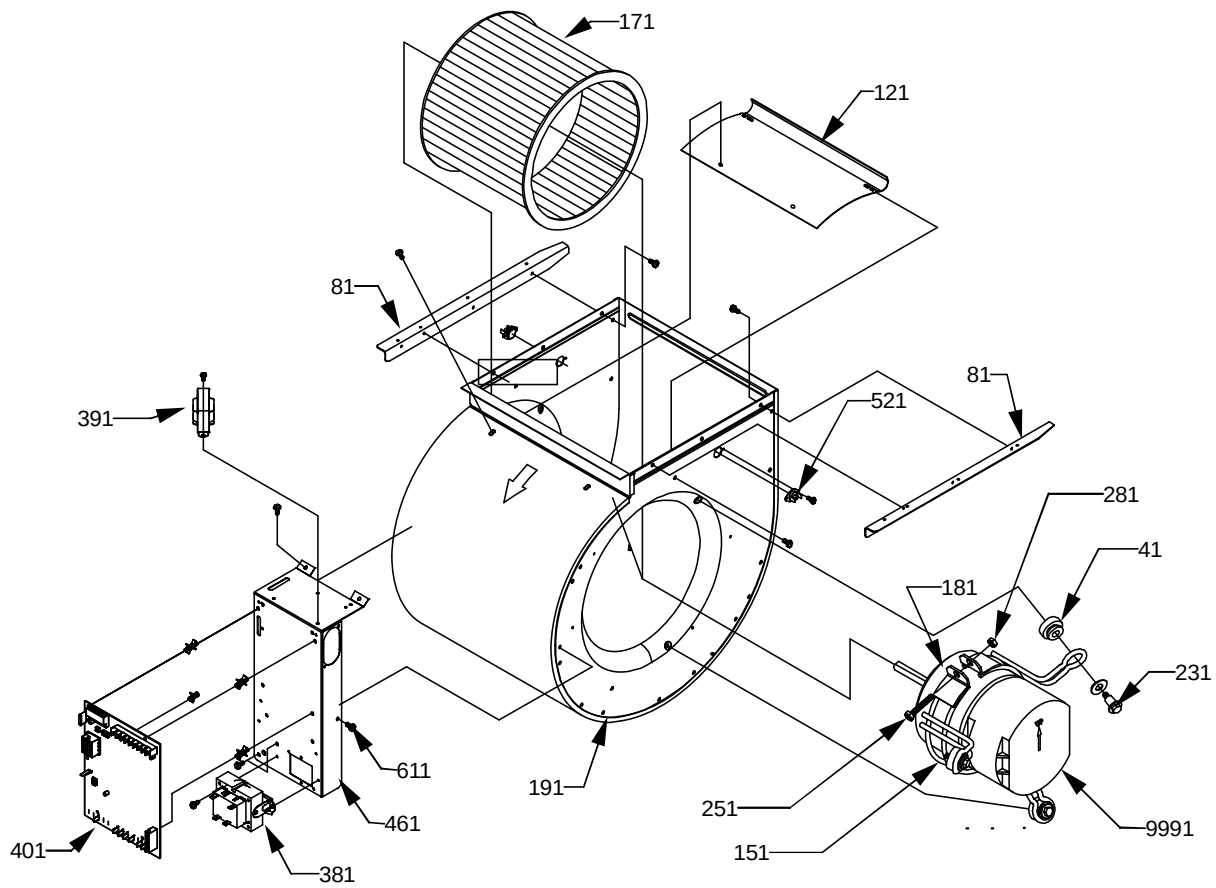
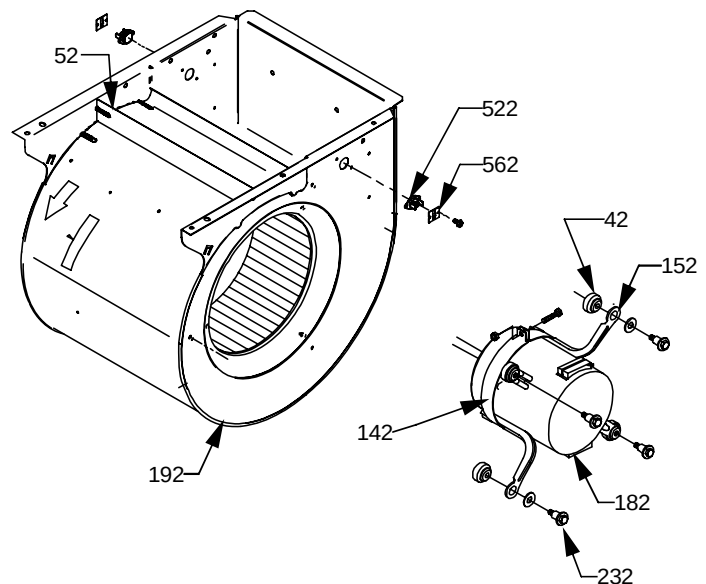


Image 2



Blower Assy

**Ref. Part
No: No:**

Description:

Image 1:

41	A4002702	GROMMET (M1, M2, M5, M6)
81	20175101	RAIL, BLOWER SIDE (M1, M2, M3, M4)
121	C6121807	CUT-OFF (M3, M4)
121	C6121807	CUT-OFF (M2)
121	C6121810	CUT-OFF (M1)
151	C9443702	BRACKET, MOTOR MOUNT (M1, M2, M5, M6)
171	D6723310	BLOWER WHEEL (M1)
171	D6723310	BLOWER WHEEL (M5)
171	D6723311	BLOWER WHEEL (M3, M4)
171	B1368047	BLOWER WHEEL 10 X 10 (M2, M6)
181	0231K00009A	MOTOR, 1/2 HP PROGRAMMED (M1, M5)
181	0231K00024A	MOTOR, 3/4 HP PROGRAMMED (M2, M6)
191	11185818	BLOWER HOUSING ASSY (M2)
191	11185820	BLOWER HOUSING ASSY (M1)
191	0271F00004P	BLOWER HOUSING ASSY 10 X 10 (M6)
191	0271F00002P	BLOWER HOUSING ASSY 10 X 8 (M5)
231	M0221461	SCREW-TC (M1, M2, M5, M6)
251	M0267144	SCREW-MACH
281	M0282015	KEPS NUT
381	B1141605	TRANSFORMER, 120V TO 24V, 40VA
391	20218901	INDUCTOR COIL (M2, M3, M4, M6)
401	20300006	INTEGRATED CONTROL
461	0121F00025P	CONTROL BRACKET (M1, M2, M3, M4)
461	0121F00025P	CONTROL BRACKET
461	0121F00025P	CONTROL BRACKET (M5, M6)
521	10123535	RESET LIMIT, MANUAL (M1, M5)
521	10123537	RESET LIMIT, MANUAL (M2, M6)
611	M0250558	SCREW-TC (M5, M6)
9991	20509314	END BELL (M1, M5)
9991	20510125	END BELL (M2, M6)
9991	20511017	END BELL (M3)
9991	20511018	END BELL (M4)
NS	11118705	WIRING HARNESS
NS	20275905	WIRING HARNESS
NS	20276014	WIRING HARNESS

Image 2:

42	A4002701	GROMMET (M3, M4)
52	764741F	BLOWER BLOCK-OFF 10 X 10 (M6)
52	764740F	BLOWER BLOCK-OFF 10 X 8 (M5)
142	10441601	MOTOR MOUNT, BAND (M3, M4)
152	10441501	MOTOR MOUNT, ARM (M3, M4)
182	0231K00036A	MOTOR, 1 HP PROGRAMMED (M3)
182	0231K00037A	MOTOR, 1 HP PROGRAMMED (M4)
192	0271F00047	BLOWER HOUSING ASSY 11 X 10 (M3, M4)
232	M0221461	SCREW-TC (M3, M4)

**Ref. Part
No: No:**

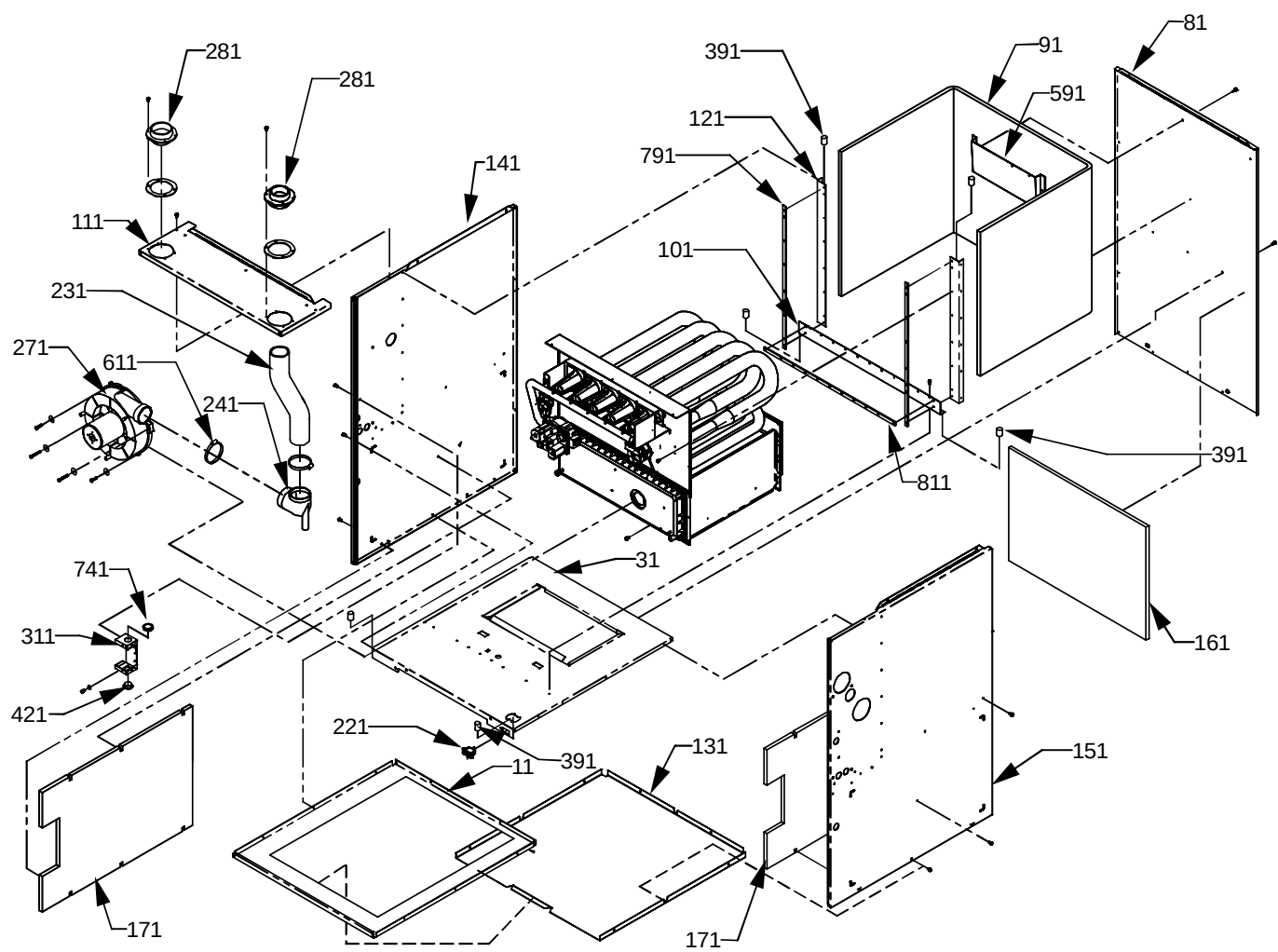
Description:

522	10123533	RESET LIMIT, MANUAL (M4)
522	10123536	RESET LIMIT, MANUAL (M3)
562	2509503F	BRACKET, ROLLOUT SWITCH (M5, M6)

Expanded Model Nomenclature

M1 - AMV90453BXA	P1257401F
M2 - AMV90704CXA	P1257403F
M3 - AMV90905DXA	P1257405F
M4 - AMV91155DXA	P1257406F
M5 - AMV90453BXA	P1257407F
M6 - AMV90704CXA	P1257408F

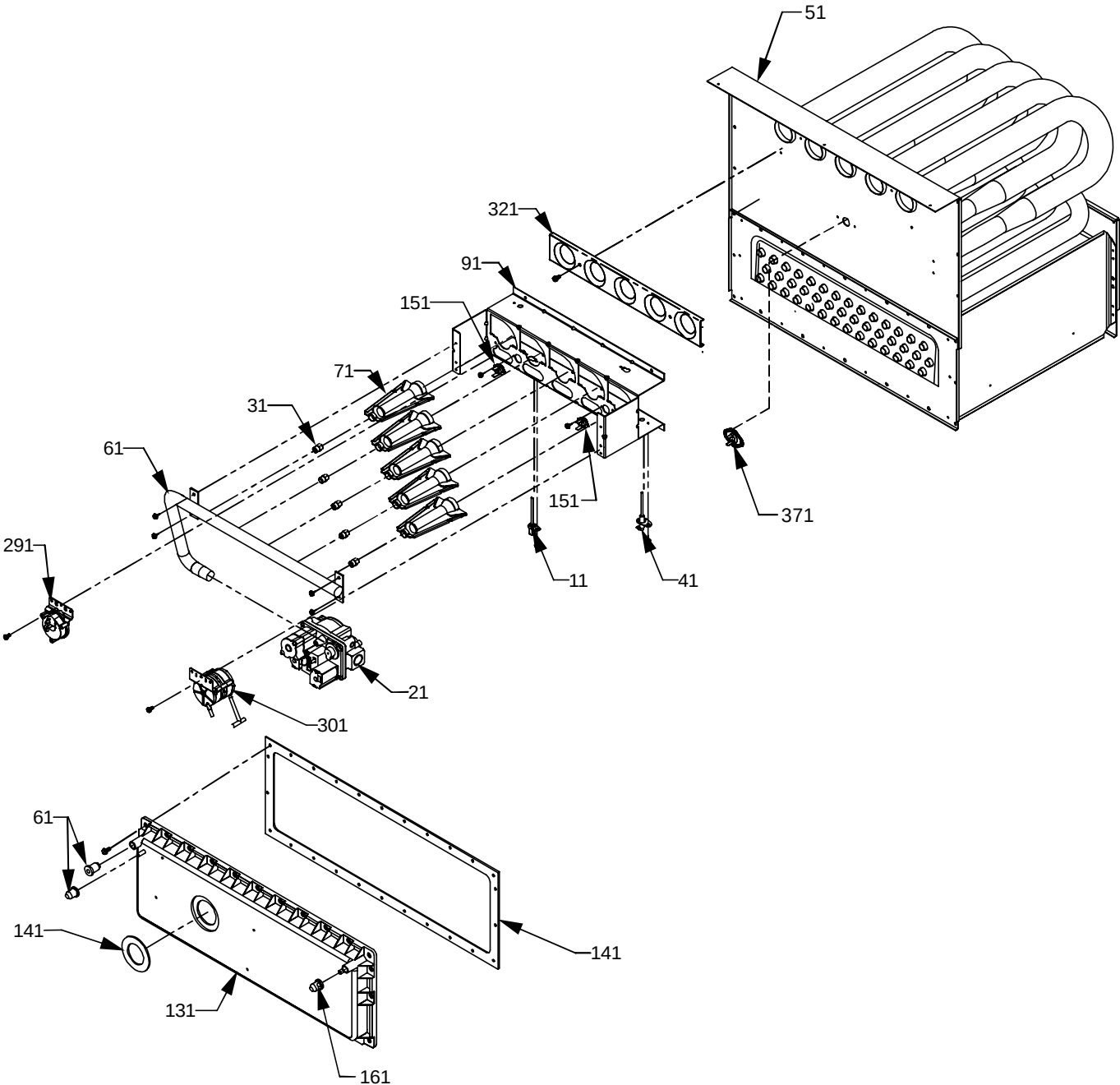
Chassis



Chassis

Ref. Part No: No: Description:			Ref. Part No: No: Description:		
<i>Image 1:</i>			791	20194608	GASKET (QTY 2)
11	20273407	BASEPAN (M1, M5)	811	20194605	GASKET (M1, M5)
11	20273409	BASEPAN (M2, M6)	811	20194606	GASKET (M2, M6)
11	20273411	BASEPAN (M3, M4)	811	20194607	GASKET (M3, M4)
31	20190231	BLOWER DECK (M1)	Expanded Model Nomenclature		
31	20190232	BLOWER DECK (M2)	M1 - AMV90453BXA	P1257401F	
31	0121F00043	BLOWER DECK 17.5" (M5)	M2 - AMV90704CXA	P1257403F	
31	0121F00045	BLOWER DECK 20" (M6)	M3 - AMV90905DXA	P1257405F	
31	0121F00048	BLOWER DECK 24.5" (M3, M4)	M4 - AMV91155DXA	P1257406F	
81	20273208	BACK PANEL (M1, M5)	M5 - AMV90453BXA	P1257407F	
81	20273210	BACK PANEL (M2, M6)	M6 - AMV90704CXA	P1257408F	
81	20273212	BACK PANEL (M3, M4)			
91	C6415909	INSULATION, HEAT EXCHANGER (M3, M4)			
91	C6415910	INSULATION, HEAT EXCHANGER (M1, M5)			
91	C6415911	INSULATION, HEAT EXCHANGER (M2, M6)			
101	0121F00018P	DECK RAIL (M5)			
101	0121F00019P	DECK RAIL (M6)			
101	20191303	DECK RAIL (M3, M4)			
101	20191304	DECK RAIL (M1)			
101	20191305	DECK RAIL (M2)			
111	0270F00100P	ASSY, TOP COVER (M1, M5)			
111	0270F00101P	ASSY, TOP COVER (M2, M6)			
111	0270F00102P	ASSY, TOP COVER (M3, M4)			
121	20191602	SIDE RAIL (M1, M5)			
121	20191603	SIDE RAIL (M2, M6)			
121	20191604	SIDE RAIL (M3, M4)			
131	20523801	FILLER PLATE (M1, M5)			
131	20523802	FILLER PLATE (M2, M6)			
131	20523803	FILLER PLATE (M3, M4)			
141	0121F00035PDG	SIDE PANEL LH			
151	0121F00033PDG	SIDE PANEL RH			
161	20006601	INSULATION (M1, M5)			
161	20006602	INSULATION (M2, M6)			
161	20006603	INSULATION (M3, M4)			
171	20243503	SIDE INSULATION (QTY 2)			
221	10690402	INTERLOCK SWITCH			
231	22309501	FLUE PIPE			
241	20171802	ELBOW			
271	20245903	ID BLOWER			
281	20049701	FA COUPLING			
311	10736102	BOX, HIGH VOLTAGE			
391	M0275521	PLASTIC SEALER			
421	A4554801	SNAP BUSHING			
591	11165107	SHIELD, ID BLOWER			
611	A3326002	HOSE CLAMP (QTY 2)			
741	B1392104	UNIVERSAL BUSHING UB 875 (QTY 2)			

Heat Exchanger Assy



Heat Exchanger Assy

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	11111701	SINI IGNITOR
21	0151F00000P	GAS VALVE
31	10716003	ORIFICE (QTY AR)
41	0130F00010	FLAME SENSOR
51	20317341	HEAT EXCHANGER ASSY 2B (M5)
51	20317357	HEAT EXCHANGER ASSY 2B (M1)
51	20317343	HEAT EXCHANGER ASSY 3B (M6)
51	20317358	HEAT EXCHANGER ASSY 3B (M2)
51	20317359	HEAT EXCHANGER ASSY 4B (M3)
51	20317360	HEAT EXCHANGER ASSY 5B (M4)
61	20196401	MANIFOLD (M1, M5)
61	20196402	MANIFOLD (M2, M6)
61	20196403	MANIFOLD (M3)
61	20196404	MANIFOLD (M4)
71	10735102	BECKETT BURNER (QTY AR)
91	20190410	BRACKET, BURNER 2B (M1, M5)
91	20190411	BRACKET, BURNER 3B (M2, M6)
91	20190412	BRACKET, BURNER 4B (M3)
91	20190413	BRACKET, BURNER 5B (M4)
131	20170804A	FRONT COVER (M1, M5)
131	20170903A	FRONT COVER (M2, M6)
131	20171003A	FRONT COVER (M3)
131	20171004A	FRONT COVER (M4)
141	0154F00000P	COIL GASKET (M1, M5)
141	0154F00001P	COIL GASKET (M2, M6)
141	0154F00002P	COIL GASKET (M3, M4)
151	10123518	RESET LIMIT, MANUAL (M1, M5)
151	10123533	RESET LIMIT, MANUAL (M2, M4, M6)
151	10123537	RESET LIMIT, MANUAL (M3)
161	M0326804	TUBE PLUG (QTY 3)
291	20197308	PRESSURE SWITCH
301	11177113	PRESSURE SWITCH (M1, M2, M5, M6)
301	11177114	PRESSURE SWITCH (M3, M4)
321	11072201	ORIFICE SHIELD (M1, M5)
321	11072202	ORIFICE SHIELD (M2, M6)
321	11072203	ORIFICE SHIELD (M3)
321	11072204	ORIFICE SHIELD (M4)
371	20162903	LIMIT (M4)
371	20162905	LIMIT (M1, M3, M5)
371	20162907	LIMIT (M2, M6)
NS	0164M00002	HOSE, PRESSURE SWITCH (QTY AR)
NS	0164M00007	HOSE, PRESSURE SWITCH
NS	0164M00012	HOSE, PRESSURE SWITCH (M5)
NS	0164M00012	HOSE, PRESSURE SWITCH (M1, M6)
NS	0164M00014	HOSE, PRESSURE SWITCH (M2, M3, M4)

Expanded Model Nomenclature

M1 - AMV90453BXA	P1257401F
M2 - AMV90704CXA	P1257403F
M3 - AMV90905DXA	P1257405F
M4 - AMV91155DXA	P1257406F
M5 - AMV90453BXA	P1257407F
M6 - AMV90704CXA	P1257408F