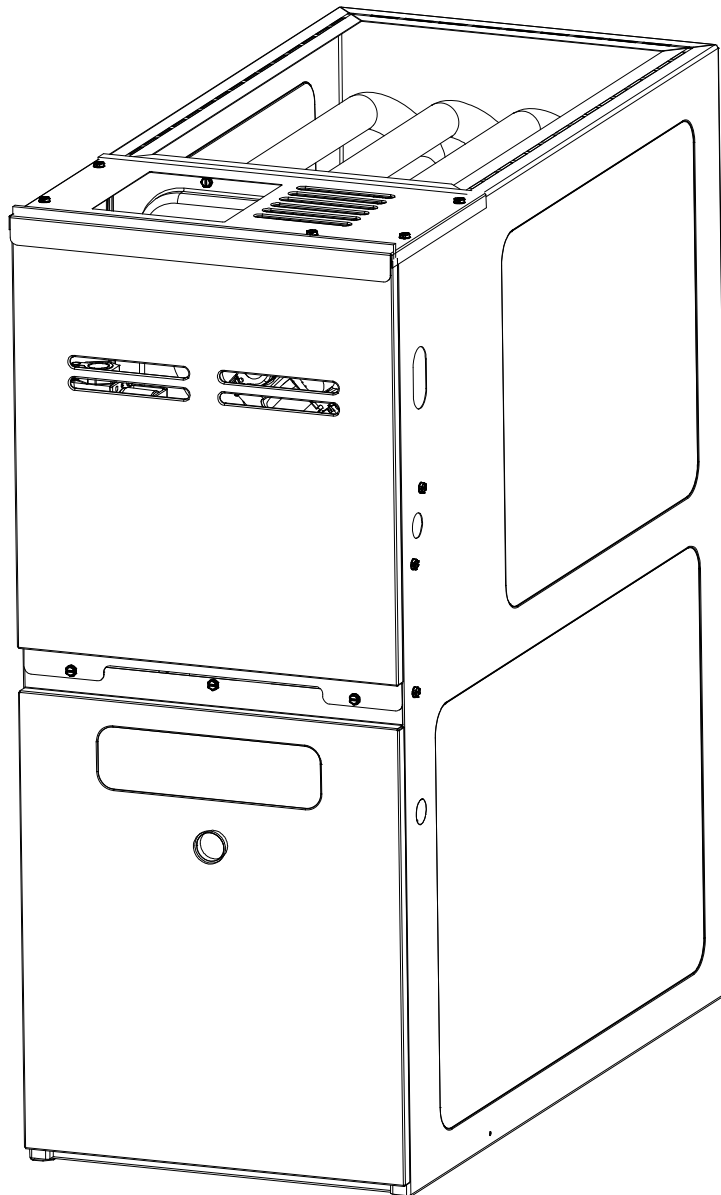


# REPAIR PARTS

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## AMH8 Amana® Brand 80% Upflow Hybrid Furnace

AMH80403ANAA  
AMH80403AXAA  
AMH80603ANAA  
AMH80603AXAA  
AMH80604BNAA  
AMH80604BXAA  
AMH80803BNAA  
AMH80803BXAA  
AMH80804BNAA  
AMH80804BXAA  
AMH80805CNAA  
AMH80805CXAA  
AMH81005CNAA  
AMH81005CXAA  
AMH81205DNAA  
AMH81205DXAA



This manual is to be used by qualified technicians only.

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## Important Information

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|------------------------------|--------|
| Functional Parts List .....  | 3      |
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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:

Consumer Affairs Department

Goodman Manufacturing 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 Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

# Functional Parts

## Part

## No: Description:

## Expanded Model Nomenclature

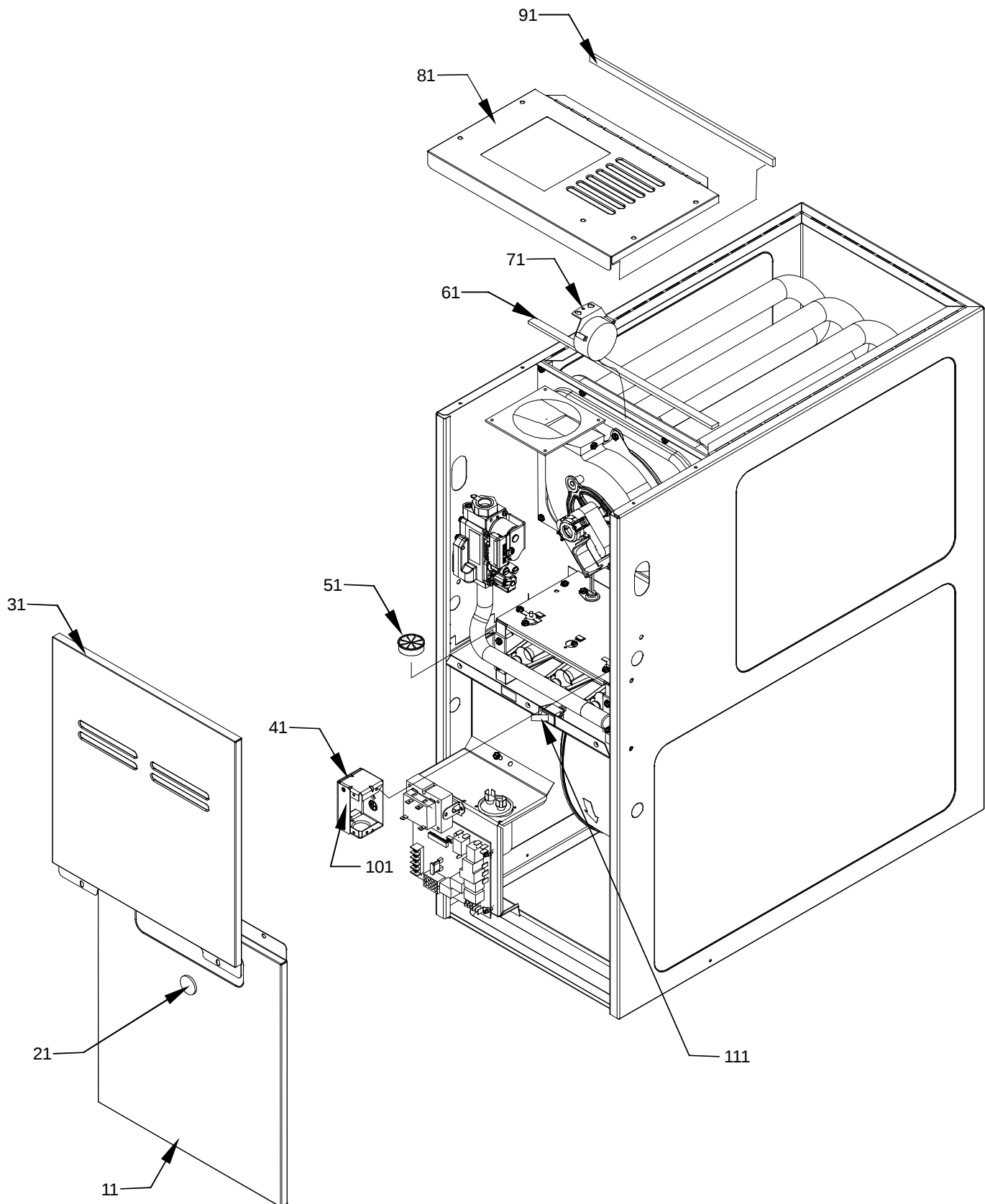
|                |                                                                       |
|----------------|-----------------------------------------------------------------------|
| 0131F00022     | BLOWER MOTOR 1/2 HP, 4 SP, 6 PL (M5, M6, M9, M10, M11, M12, M13, M14) |
| 20046618       | BLOWER MOTOR 3/4 HP (M15, M16)                                        |
| CAP125000370RP | CAPACITOR 12.5/370V (M1, M2, M3, M4, M7, M8)                          |
| CAP200000440RP | CAPACITOR 20/370V (M5, M6, M9, M10, M11, M12, M13, M14)               |
| CAP250000370RP | CAPACITOR 25/370V (M15, M16)                                          |
| 0130F00010     | FLAME SENSOR                                                          |
| B1370818       | INTERLOCK SWITCH                                                      |
| 10123529       | MANUAL RESET LIMIT (QTY 2)                                            |
| 0131F00020     | MOTOR, 1/3 HP, 4SP, 6PL (M7, M8)                                      |
| PCBBF132       | PCB 2STAGE HYBRID FURNACE CNT                                         |
| 0130F00041     | PRESSURE SWITCH (M13, M14)                                            |
| 0130F00042     | PRESSURE SWITCH (M15, M16)                                            |
| 20162903       | PRIMARY LIMIT - BLUE (M9, M10, M15, M16)                              |
| 0130F00038     | PRIMARY LIMIT - LT BLUE 120°                                          |
| 0130F00036     | PRIMARY LIMIT - PINK (M13, M14)                                       |
| 0130F00035     | PRIMARY LIMIT - PURPLE 220° (M1, M2)                                  |
| 20162906       | PRIMARY LIMIT - WHITE (M3, M4, M5, M6, M7, M8, M11, M12)              |
| 0130F00008S    | SINI IGNITOR                                                          |
| B1141605       | TRANSFORMER 120V TO 24V, 40 VA                                        |
| 0151M00014     | VALVE, GAS (HW) VR92                                                  |
| 0131M00002     | VENT MOTOR                                                            |

|                    |
|--------------------|
| M1 - AMH80403ANAA  |
| M2 - AMH80403AXAA  |
| M3 - AMH80603ANAA  |
| M4 - AMH80603AXAA  |
| M5 - AMH80604BNAA  |
| M6 - AMH80604BXAA  |
| M7 - AMH80803BNAA  |
| M8 - AMH80803BXAA  |
| M9 - AMH80804BNAA  |
| M10 - AMH80804BXAA |
| M11 - AMH80805CNAA |
| M12 - AMH80805CXAA |
| M13 - AMH81005CNAA |
| M14 - AMH81005CXAA |
| M15 - AMH81205DNAA |
| M16 - AMH81205DXAA |

## SPECIAL PARTS

|         |                                   |
|---------|-----------------------------------|
| HI-115B | HOMEOWNERS INSTRUCTIONS           |
| IO-669  | INSTALL-HUMIDIFIER                |
| IO-417  | INSTR, INSTL & OPER               |
| IO-303  | INSTRUCTION, INST(FRENCH) (QTY 0) |

# Cabinet



# Cabinet

**Ref. Part  
No: No:**

**Description:**

**Ref. Part  
No: No:**

**Description:**

*Image 1:*

|     |               |                                                        |
|-----|---------------|--------------------------------------------------------|
| 21  | 0121F00122LG  | DOOR, BLOWER, 14" (M1, M2, M3, M4)                     |
| 21  | 0121F00123LG  | DOOR, BLOWER, 17.5" (M5, M6, M7, M8, M9, M10)          |
| 21  | 0121F00124LG  | DOOR, BLOWER, 21" (M11, M12, M13, M14)                 |
| 21  | 0121F00125LG  | DOOR, BLOWER, 24.5" (M15, M16)                         |
| 21  | 0121F00263    | TOP 24.5" (M15, M16)                                   |
| 21  | B1392139      | VIEW PORT BUSHING-BLOWER DOOR                          |
| 31  | 0121F00118LG  | CONTROL ACCESS DOOR 14" (M1, M2, M3, M4)               |
| 31  | 0121F00119LG  | CONTROL ACCESS DOOR 17.5" (M5, M6, M7, M8, M9, M10)    |
| 31  | 0121F00119PDG | CONTROL ACCESS DOOR 17.5" (M5, M6, M7, M8, M9, M10)    |
| 31  | 0121F00120LG  | CONTROL ACCESS DOOR 21" (M11, M12, M13, M14)           |
| 31  | 0121F00121LG  | CONTROL ACCESS DOOR 24.5 (M15, M16)                    |
| 41  | 4014502       | J-BOX                                                  |
| 51  | B1392147      | UNIVERSAL BUSHING WITH SLICE                           |
| 61  | B13926111     | SEAL STRIP, 1/8 X 1/2 X 14 (M1, M2, M3, M4)            |
| 61  | B13926112     | SEAL STRIP, 1/8 X 1/2 X 17.5 (M5, M6, M7, M8, M9, M10) |
| 61  | B13926113     | SEAL STRIP, 1/8 X 1/2 X 21 (M11, M12, M13, M14)        |
| 61  | B13926114     | SEAL STRIP, 1/8 X 1/2 X 24.5 (M15, M16)                |
| 71  | 0130F00041    | PRESSURE SWITCH (M13, M14)                             |
| 71  | 0130F00042    | PRESSURE SWITCH (M15, M16)                             |
| 71  | B1370179      | PRESSURE SWITCH (M5, M6, M7, M8, M9, M10, M11, M12)    |
| 71  | B1370158      | PRESSURE SWITCH -0.70" WC (M1, M2, M3, M4)             |
| 81  | 0121F00263PDG | FURNACE 24.5" TOP (M15, M16)                           |
| 81  | 0121F00141DG  | TOP 14" (M1, M2, M3, M4)                               |
| 81  | 0121F00142DG  | TOP 17.5" (M5, M6, M7, M8, M9, M10)                    |
| 81  | 0121F00143DG  | TOP 21" (M11, M12, M13, M14)                           |
| 111 | B1370818      | INTERLOCK SWITCH                                       |
| NS  | 0161F00006    | AMANA NAMEPLATE                                        |
| NS  | 0270K00015    | SOLID BOTTOM 14" CASE (M1, M2, M3, M4)                 |
| NS  | 0270K00016    | SOLID BOTTOM 17.5" CASE (M5, M6, M7, M8, M9, M10)      |
| NS  | 0270K00017    | SOLID BOTTOM 21" CASE (M11, M12, M13, M14)             |
| NS  | 0270K00018    | SOLID BOTTOM 24.5" CASE (M15, M16)                     |

Expanded Model Nomenclature

|                    |
|--------------------|
| M1 - AMH80403ANAA  |
| M2 - AMH80403AXAA  |
| M3 - AMH80603ANAA  |
| M4 - AMH80603AXAA  |
| M5 - AMH80604BNAA  |
| M6 - AMH80604BXAA  |
| M7 - AMH80803BNAA  |
| M8 - AMH80803BXAA  |
| M9 - AMH80804BNAA  |
| M10 - AMH80804BXAA |
| M11 - AMH80805CNAA |
| M12 - AMH80805CXAA |
| M13 - AMH81005CNAA |
| M14 - AMH81005CXAA |
| M15 - AMH81205DNAA |
| M16 - AMH81205DXAA |

# Heat Exchanger Assy

Image 1

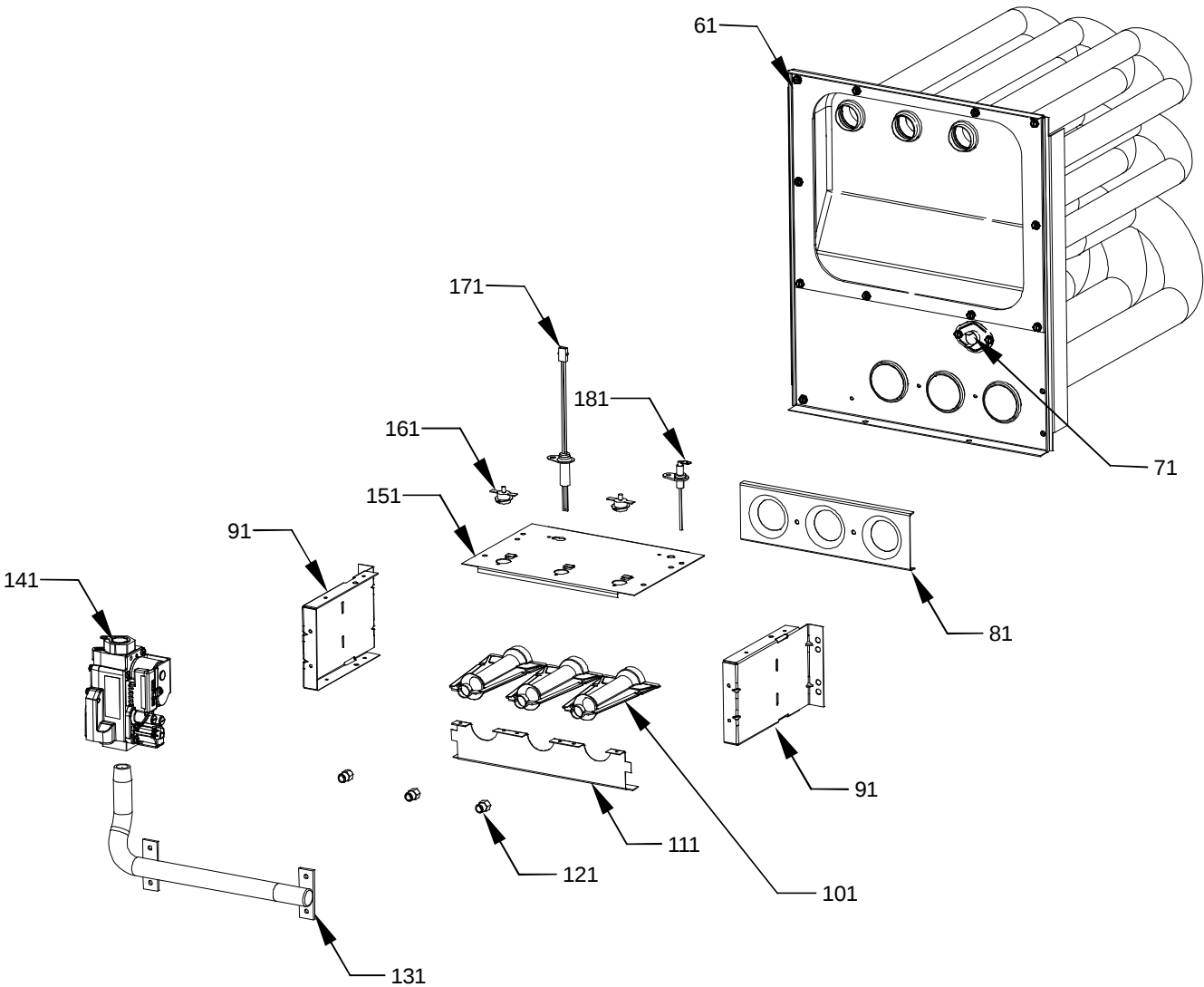
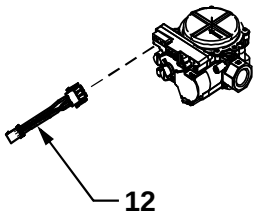


Image 2



# Heat Exchanger Assy

**Ref. Part  
No: No:**

**Description:**

**Ref. Part  
No: No:**

**Description:**

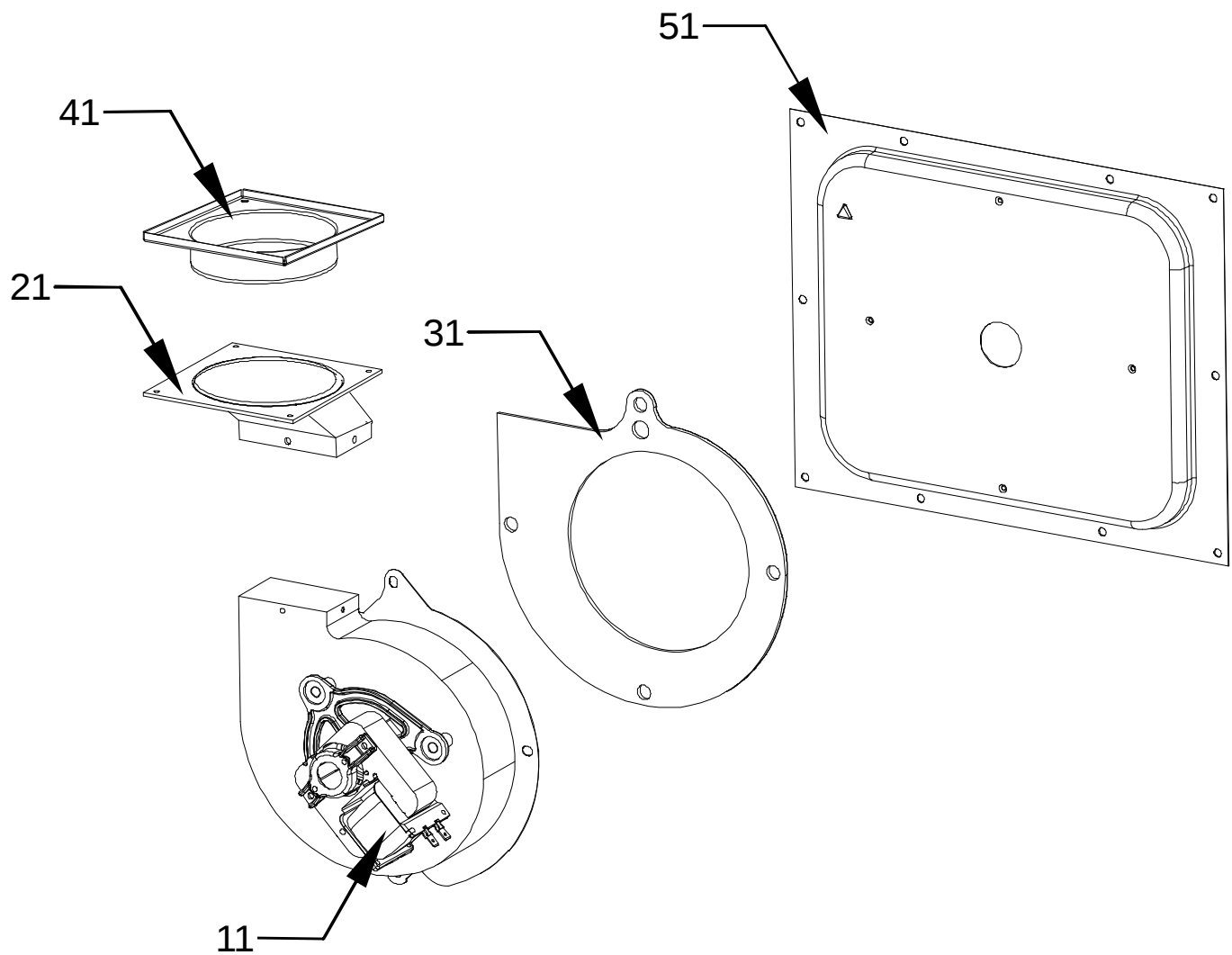
*Image 1:*

|     |             |                                                          |
|-----|-------------|----------------------------------------------------------|
| 61  | 0270F00931  | HEAT EXCHANGER ASSY (M1, M2)                             |
| 61  | 0270F00932  | HEAT EXCHANGER ASSY (M3, M4)                             |
| 61  | 0270F00933  | HEAT EXCHANGER ASSY (M5, M6)                             |
| 61  | 0270F00934  | HEAT EXCHANGER ASSY (M7, M8, M9, M10)                    |
| 61  | 0270F00935  | HEAT EXCHANGER ASSY (M11, M12)                           |
| 61  | 0270F00936  | HEAT EXCHANGER ASSY (M13, M14)                           |
| 61  | 0270F00937  | HEAT EXCHANGER ASSY (M15, M16)                           |
| 71  | 20162903    | PRIMARY LIMIT - BLUE (M9, M10, M15, M16)                 |
| 71  | 0130F00036  | PRIMARY LIMIT - PINK (M13, M14)                          |
| 71  | 0130F00035  | PRIMARY LIMIT - PURPLE 220° (M1, M2)                     |
| 71  | 20162906    | PRIMARY LIMIT - WHITE (M3, M4, M5, M6, M7, M8, M11, M12) |
| 81  | 4028000     | ORIFICE SHIELD 2 CELL (M1, M2)                           |
| 81  | 4028001     | ORIFICE SHIELD 3 CELL (M3, M4, M5, M6)                   |
| 81  | 4028002     | ORIFICE SHIELD 4 CELL (M7, M8, M9, M10, M11, M12)        |
| 81  | 4028003     | ORIFICE SHIELD 5 CELL (M13, M14)                         |
| 81  | 4028004     | ORIFICE SHIELD 6 CELL (M15, M16)                         |
| 91  | 0121F00146  | BURNER BOX SIDE (QTY 2)                                  |
| 101 | B4022700    | INSHOT BURNER ASSY 3" (QTY 2)                            |
| 111 | 0121F00167  | BURNER BRACKET 2B (M1, M2)                               |
| 111 | 0121F00168  | BURNER BRACKET 3B (M3, M4, M5, M6)                       |
| 111 | 0121F00169  | BURNER BRACKET 4B (M7, M8, M9, M10, M11, M12)            |
| 111 | 0121F00170  | BURNER BRACKET 5B (M13, M14)                             |
| 111 | 0121F00171  | BURNER BRACKET 6B (M15, M16)                             |
| 121 | 10716003    | ORIFICE (QTY 2)                                          |
| 131 | 0120F00006  | MAINFOLD (M1, M2)                                        |
| 131 | 0120F00007  | MAINFOLD (M3, M4, M5, M6)                                |
| 131 | 0120F00008  | MAINFOLD (M7, M8, M9, M10, M11, M12)                     |
| 131 | 0120F00009  | MAINFOLD (M13, M14)                                      |
| 131 | 0120F00010  | MAINFOLD (M15, M16)                                      |
| 141 | 0151M00014  | VALVE, GAS (HW) VR92                                     |
| 151 | 0121F00162  | BURNER BOX TOP 2 CELL (M1, M2)                           |
| 151 | 0121F00163  | BURNER BOX TOP 3 CELL (M3, M4, M5, M6)                   |
| 151 | 0121F00164  | BURNER BOX TOP 4 CELL (M7, M8, M9, M10, M11, M12)        |
| 151 | 0121F00165  | BURNER BOX TOP 5 CELL (M13, M14)                         |
| 151 | 0121F00166  | BURNER BOX TOP 6 CELL (M15, M16)                         |
| 161 | 10123529    | MANUAL RESET LIMIT (QTY 2)                               |
| 171 | 0130F00008S | SINI IGNITOR                                             |
| 181 | 0130F00010  | FLAME SENSOR                                             |
| NS  | 0259F00020  | HARNESS, WIRE IGNITOR HYBRID                             |
| NS  | 0259F00050  | KIT, WIRE HYBRID FURN                                    |
| NS  | 0259F00073  | WIRE HARNESS ASSY                                        |

Expanded Model Nomenclature

|                    |
|--------------------|
| M1 - AMH80403ANAA  |
| M2 - AMH80403AXAA  |
| M3 - AMH80603ANAA  |
| M4 - AMH80603AXAA  |
| M5 - AMH80604BNAA  |
| M6 - AMH80604BXAA  |
| M7 - AMH80803BNAA  |
| M8 - AMH80803BXAA  |
| M9 - AMH80804BNAA  |
| M10 - AMH80804BXAA |
| M11 - AMH80805CNAA |
| M12 - AMH80805CXAA |
| M13 - AMH81005CNAA |
| M14 - AMH81005CXAA |
| M15 - AMH81205DNAA |
| M16 - AMH81205DXAA |

## Collector Box Assy



# Collector Box Assy

| Ref. Part<br>No: No: | Description: | Ref. Part<br>No: No: | Description: |
|----------------------|--------------|----------------------|--------------|
|----------------------|--------------|----------------------|--------------|

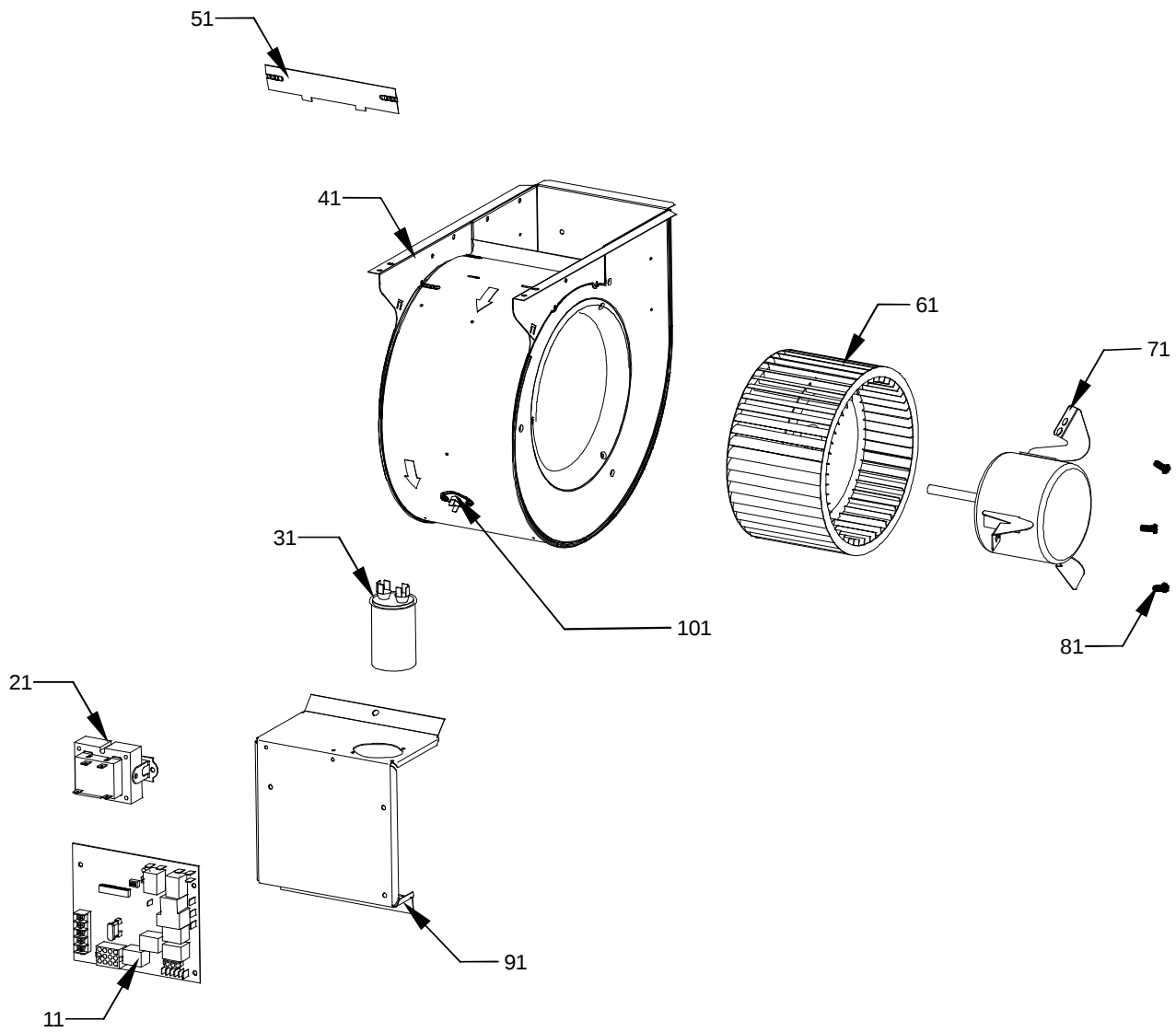
Image 1:

|    |            |                                                          |
|----|------------|----------------------------------------------------------|
| 11 | 0131M00002 | VENT MOTOR                                               |
| 21 | 0128F00006 | CHIMNEY TRANSITION BOTTOM                                |
| 31 | 0154F00003 | VENT MOTOR GASKET 14" (M1, M2, M3, M4)                   |
| 31 | 0154F00004 | VENT MOTOR GASKET 17.5" (M5, M6, M7, M8, M9, M10)        |
| 31 | 0154F00005 | VENT MOTOR GASKET 21" (M11, M12, M13, M14)               |
| 31 | 0154F00006 | VENT MOTOR GASKET 24.5" (M15, M16)                       |
| 41 | 4023500    | CHIMNEY TRANSITION TOP                                   |
| 51 | 0121F00126 | FLUE COLLECTOR BOX KIT 14" 1.25 DIA (M1, M2)             |
| 51 | 0121F00127 | FLUE COLLECTOR BOX KIT 14" 2.0 DIA (M3, M4)              |
| 51 | 0121F00128 | FLUE COLLECTOR BOX KIT 17.5" 1.75 DIA (M5, M6)           |
| 51 | 0121F00161 | FLUE COLLECTOR BOX KIT 17.5" 2.0 DIA (M7, M8, M9, M10)   |
| 51 | 0121F00130 | FLUE COLLECTOR BOX KIT 21" 2.25 DIA (M11, M12, M13, M14) |
| 51 | 0121F00131 | FLUE COLLECTOR BOX KIT 24.5" 3.5 DIA (M15, M16)          |

Expanded Model Nomenclature

|                    |
|--------------------|
| M1 - AMH80403ANAA  |
| M2 - AMH80403AXAA  |
| M3 - AMH80603ANAA  |
| M4 - AMH80603AXAA  |
| M5 - AMH80604BNAA  |
| M6 - AMH80604BXAA  |
| M7 - AMH80803BNAA  |
| M8 - AMH80803BXAA  |
| M9 - AMH80804BNAA  |
| M10 - AMH80804BXAA |
| M11 - AMH80805CNAA |
| M12 - AMH80805CXAA |
| M13 - AMH81005CNAA |
| M14 - AMH81005CXAA |
| M15 - AMH81205DNAA |
| M16 - AMH81205DXAA |

## Blower and Control Panel



# Blower and Control Panel

| Ref. Part<br>No: No: | Description:   | Ref. Part<br>No: No: | Description:                                                          |
|----------------------|----------------|----------------------|-----------------------------------------------------------------------|
| <i>Image 1:</i>      |                |                      |                                                                       |
| 11                   | PCBBF132       |                      | PCB 2STAGE HYBRID FURNACE CNT                                         |
| 21                   | B1141605       |                      | TRANSFORMER 120V TO 24V, 40 VA                                        |
| 31                   | CAP125000370RP |                      | CAPACITOR 12.5/370V (M1, M2, M3, M4, M7, M8)                          |
| 31                   | CAP200000440RP |                      | CAPACITOR 20/370V (M5, M6, M9, M10, M11, M12, M13, M14)               |
| 31                   | CAP250000370RP |                      | CAPACITOR 25/370V (M15, M16)                                          |
| 41                   | 2539307        |                      | BLOWER HOUSING 10 X 10 (M11, M12, M13, M14, M15, M16)                 |
| 41                   | 2539305        |                      | BLOWER HOUSING 10 X 6 (M1, M2, M3, M4)                                |
| 41                   | 2539306        |                      | BLOWER HOUSING 10 X 8 (M5, M6, M7, M8, M9, M10)                       |
| 51                   | 764741F        |                      | BLOWER BLOCK-OFF 10 X 10 (M11, M12, M13, M14, M15, M16)               |
| 51                   | 764740F        |                      | BLOWER BLOCK-OFF 10 X 8 (M5, M6, M7, M8, M9, M10)                     |
| 51                   | 764739         |                      | BLOWER CUT-OFF 10 X 6 (M1, M2, M3, M4)                                |
| 61                   | D6723311       |                      | BLOWER WHEEL (M15, M16)                                               |
| 61                   | B1368047       |                      | BLOWER WHEEL 10 X 10 (M11, M12, M13, M14)                             |
| 61                   | B1368034       |                      | BLOWER WHEEL 10 X 6 (M1, M2, M3, M4)                                  |
| 61                   | B1368016       |                      | BLOWER WHEEL 10 X 8 (M5, M6, M9, M10)                                 |
| 61                   | B1368058       |                      | BLOWER WHEEL 10 X 8 (M7, M8)                                          |
| 71                   | 0131F00022     |                      | BLOWER MOTOR 1/2 HP, 4 SP, 6 PL (M5, M6, M9, M10, M11, M12, M13, M14) |
| 71                   | 20046618       |                      | BLOWER MOTOR 3/4 HP (M15, M16)                                        |
| 71                   | 0131F00020     |                      | MOTOR, 1/3 HP, 4SP, 6PL (M7, M8)                                      |
| 81                   | M0250558       |                      | TC SCREW (QTY 3)                                                      |
| 91                   | 1815817        |                      | CONTROL MOUNT PANEL                                                   |
| 101                  | 0130F00038     |                      | PRIMARY LIMIT - LT BLUE 120°                                          |

## Expanded Model Nomenclature

M1 - AMH80403ANAA  
M2 - AMH80403AXAA  
M3 - AMH80603ANAA  
M4 - AMH80603AXAA  
M5 - AMH80604BNAA  
M6 - AMH80604BXAA  
M7 - AMH80803BNAA  
M8 - AMH80803BXAA  
M9 - AMH80804BNAA  
M10 - AMH80804BXAA  
M11 - AMH80805CNAA  
M12 - AMH80805CXAA  
M13 - AMH81005CNAA  
M14 - AMH81005CXAA  
M15 - AMH81205DNAA  
M16 - AMH81205DXAA