



# UNIT HEATERS

## GAS-FIRED INDOOR HEATING EQUIPMENT REPLACEMENT PARTS CATALOG

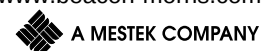
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**IMPORTANT**  
WHEN ORDERING PARTS, PLEASE  
SPECIFY UNIT MODEL NO. AND SERIAL NO.



260 NORTH ELM ST. WESTFIELD, MA 01085  
(413) 562-5423 • FAX: (413) 572-3764  
[www.beacon-morris.com](http://www.beacon-morris.com)



# IMPORTANT WARRANTY INFORMATION

If you are ordering a replacement part for a unit which you believe to be under warranty, the process is as follows:

- Provide Beacon Morris with a description of the part or assembly needed and the model and serial number of the unit which experienced failure. If there is a question on the warranty, we can answer it at this point.
- We will enter your order and issue you a R.G.A. (Return Goods Authorization), if applicable, with instructions on how and where to send the defective parts.
- Your invoice will indicate “no charge” pending the return of the applicable defective parts. The invoice may list the R.G.A number and state: “a R.G.A. has been issued. Re invoicing will occur if no receipt in 30 days.” However, some parts are to be field scrapped, which the invoice will state accordingly. If parts are received by us within the 30 days, and confirmed as “defective in-warranty”, the transaction will be closed.

If we do not receive the parts within 30 days or our inspection reveals a non-warranty condition, then a subsequent invoice will be generated indicating the appropriate cost and we will no longer accept returns on that R.G.A.

In order to insure the orderly processing of your warranty claim it is **MANDATORY** that certain paper work accompany any and all goods returned to Sterling. It is also mandatory that goods be sent to the proper location.

In order to assure proper handling of these goods we insist that under all circumstances we must formally authorize the return of material to our various facilities. Any material returned without authorization will not be accepted.

In order to insure that your properly authorized returns are accepted at our plant, we ask that you clearly mark any and all shipping papers with an R.G.A. number; we will not accept shipments that do not clearly show R.G.A. number on the outside of the box or crate!

**All returns to be shipped Freight Prepaid. Collect Shipments  
will not be accepted.**

CONSULT OUR CUSTOMER SERVICE DEPT. FOR ANY REPLACEMENT  
PARTS NOT LISTED IN THIS PUBLICATION. LIMITED AVAILABILITY ON  
CERTAIN OBSOLETE EQUIPMENT.

TEL. 413-562-5423

FAX# 413-572-3764

**MINIMUM CHARGE \$35.00 – ORDERS WITH AN INVOICE OF  
LESS THAN \$35.00 NET WILL BE INVOICED AT \$35.00**

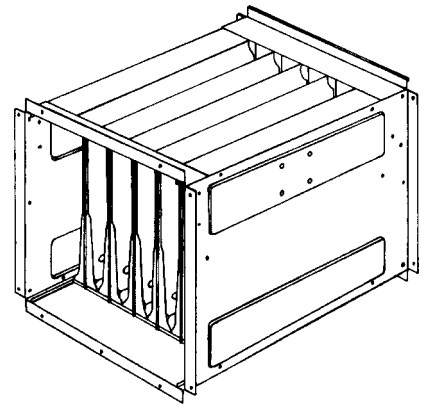
# “BM” Series Heat Exchanger

| Usage            | Unit Size | Part Number      |                     |                     |
|------------------|-----------|------------------|---------------------|---------------------|
|                  |           | Aluminized Steel | 409 Stainless Steel | 321 Stainless Steel |
| BMF, BMEF        | 30        | 602R00330-130    | 602R00330-330       | N/A                 |
|                  | 45        | 602R00330-145    | 602R00330-345       | N/A                 |
|                  | 60        | 602R00330-160    | 602R00330-360       | N/A                 |
|                  | 75        | 602R00330-175    | 602R00330-375       | N/A                 |
| BMF              | 100       | 602R05924-104    | 602R05924-304       | 602R05924-204       |
|                  | 125       | 602R05924-105    | 602R05924-305       | 602R05924-205       |
| BMF, BMEF        | 150       | 602R05922-106    | 602R05922-306       | 602R05922-206       |
|                  | 175       | 602R05922-107    | 602R05922-307       | 602R05922-207       |
|                  | 200       | 602R05922-108    | 602R05922-308       | 602R05922-208       |
|                  | 225       | 602R05922-109    | 602R05922-309       | 602R05922-209       |
|                  | 250       | 602R05922-110    | 602R05922-310       | 602R05922-210       |
|                  | 300       | 602R05922-112    | 602R05922-312       | 602R05922-212       |
|                  | 350       | 602R05922-114    | 602R05922-314       | 602R05922-214       |
|                  | 400       | 602R05922-116    | 602R05922-316       | 602R05922-216       |
| BMB              | 100       | 602R05927-104    | 602R05927-304       | 602R05927-204       |
|                  | 125       | 602R05927-105    | 602R05927-305       | 602R05927-205       |
| BMD, BMED        | 100       | 602R05925-104    | 602R05925-304       | 602R05925-204       |
|                  | 125       | 602R05925-105    | 602R05925-305       | 602R05925-205       |
| BMB<br>BMD, BMED | 150       | 602R05925-106    | 602R05925-306       | 602R05925-206       |
|                  | 175       | 602R05925-107    | 602R05925-307       | 602R05925-207       |
|                  | 200       | 602R05925-108    | 602R05925-308       | 602R05925-208       |
|                  | 225       | 602R05925-109    | 602R05925-309       | 602R05925-209       |
|                  | 250       | 602R05925-110    | 602R05925-310       | 602R05925-210       |
|                  | 300       | 602R05925-112    | 602R05925-312       | 602R05925-212       |
|                  | 350       | 602R05925-114    | 602R05925-314       | 602R05925-214       |
|                  | 400       | 602R05925-116    | 602R05925-316       | 602R05925-216       |
| BMEF, BMEB       | 100       | 602R05928-104    | 602R05928-304       | 602R05928-204       |
|                  | 125       | 602R05928-105    | 602R05928-305       | 602R05928-205       |
| BMEB             | 150       | 602R05926-106    | 602R05926-306       | 602R05926-206       |
|                  | 175       | 602R05926-107    | 602R05926-307       | 602R05926-207       |
|                  | 200       | 602R05926-108    | 602R05926-308       | 602R05926-208       |
|                  | 225       | 602R05926-109    | 602R05926-309       | 602R05926-209       |
|                  | 250       | 602R05926-110    | 602R05926-310       | 602R05926-210       |
|                  | 300       | 602R05926-112    | 602R05926-312       | 602R05926-212       |
|                  | 350       | 602R05926-114    | 602R05926-314       | 602R05926-214       |
|                  | 400       | 602R05926-116    | 602R05926-316       | 602R05926-216       |
| BMS, BMES        | 100       | 602R05929-104    | 602R05929-304       | 602R05929-204       |
|                  | 125       | 602R05929-105    | 602R05929-305       | 602R05929-205       |
|                  | 150       | 602R05929-106    | 602R05929-306       | 602R05929-206       |
|                  | 175       | 602R05929-107    | 602R05929-307       | 602R05929-207       |
|                  | 200       | 602R05929-108    | 602R05929-308       | 602R05929-208       |
|                  | 225       | 602R05929-109    | 602R05929-309       | 602R05929-209       |
|                  | 250       | 602R05929-110    | 602R05929-310       | 602R05929-210       |
|                  | 300       | 602R05929-112    | 602R05929-312       | 602R05929-212       |
|                  | 350       | 602R05929-114    | 602R05929-314       | 602R05929-214       |
|                  | 400       | 602R05929-116    | 602R05929-316       | 602R05929-216       |

## LEGEND:

BMF = “BM” Series Prop  
 BMB = “BM” Series Blower  
 BMD = “BM” Series Duct  
     (Bottom Access)  
 BMEB = “BM” Series  
     High Efficiency Blower  
 BMED = “BM” Series  
     High Efficiency Duct  
     (Bottom Access)  
 BMEF = “BM” Series  
     High Efficiency Prop  
 BMS = “BM” Series Duct  
     (Side Access)  
 BMES = “BM” Series  
     High Efficiency Duct  
     (Side Access)

\* Replacement includes required baffles and drawer tracks where applicable



TYPICAL HEAT EXCHANGER

# “BM” Series Burner Drawers (Prop & Blower)

| Usage                            | Unit Size | Part Number              |
|----------------------------------|-----------|--------------------------|
|                                  |           | Burner Drawer Shell Only |
| BMF, BMEF,<br>BMB, BMEB,<br>Only | 100       | 502R06266-004            |
|                                  | 125       | 502R06266-005            |
|                                  | 150       | 502R06267-006            |
|                                  | 175       | 502R06267-007            |
|                                  | 200       | 502R06267-008            |
|                                  | 225       | 502R06268-009            |
|                                  | 250       | 502R06268-010            |
|                                  | 300       | 502R06268-012            |
|                                  | 350       | 502R06268-014            |
|                                  | 400       | 502R06268-016            |

## LEGEND:

BMF = “BM” Series Prop  
 BMB = “BM” Series Blower  
 BMEB = “BM” Series High Efficiency Blower  
 BMEF = “BM” Series High Efficiency Prop

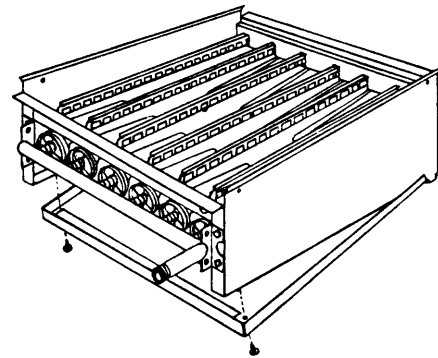
\* Burner drawer assembly includes shell, main burner set, manifold, orifices, shutters, springs.

All orifices are for standard elevations 0-2,000 ft.

See page 14-15 for Duct Furnace Burner Drawers.

| Unit Size | Burner Drawer Complete Assemblies* |                           |
|-----------|------------------------------------|---------------------------|
|           | Aluminized Burners Natural Gas     | Aluminized Burners LP Gas |
| 100       | 502R01778-004                      | 502R01778-104             |
| 125       | 502R01778-005                      | 502R01778-105             |
| 150       | 502R01778-006                      | 502R01778-106             |
| 175       | 502R01778-007                      | 502R01778-107             |
| 200       | 502R01778-008                      | 502R01778-108             |
| 225       | 502R01778-009                      | 502R01778-109             |
| 250       | 502R01778-010                      | 502R01778-110             |
| 300       | 502R01778-012                      | 502R01778-112             |
| 350       | 502R01778-014                      | 502R01778-114             |
| 400       | 502R01778-016                      | 502R01778-116             |

| Unit Size | Burner Drawer Complete Assemblies* |                       |
|-----------|------------------------------------|-----------------------|
|           | 409 SS Burners Natural Gas         | 409 SS Burners LP Gas |
| 100       | 502R01778-204                      | 502R01778-304         |
| 125       | 502R01778-205                      | 502R01778-305         |
| 150       | 502R01778-206                      | 502R01778-306         |
| 175       | 502R01778-207                      | 502R01778-307         |
| 200       | 502R01778-208                      | 502R01778-308         |
| 225       | 502R01778-209                      | 502R01778-309         |
| 250       | 502R01778-210                      | 502R01778-310         |
| 300       | 502R01778-212                      | 502R01778-312         |
| 350       | 502R01778-214                      | 502R01778-314         |
| 400       | 502R01778-216                      | 502R01778-316         |



STANDARD & HIGH EFFICIENCY  
BURNER DRAWER

# “BM” Series Draft Diverters

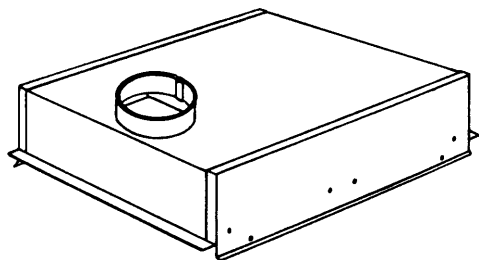
| Usage     | Unit Size | Draft Diverters Replacement Part Numbers |                  |                     |
|-----------|-----------|------------------------------------------|------------------|---------------------|
|           |           | Orientation                              | Aluminized Steel | 409 Stainless Steel |
| BMF       | 30        | Vertical*                                | 507R00339-030    | N/A                 |
|           | 45        | "                                        | 507R00339-045    | N/A                 |
|           | 60        | "                                        | 507R00339-060    | N/A                 |
|           | 75        | "                                        | 507R00339-060    | N/A                 |
| BMF, BMB, | 100       | Vertical*                                | 507R01783-104    | 507R01783-304       |
|           | 125       | "                                        | 507R01783-105    | 507R01783-305       |
|           | 150       | Vertical                                 | 507R01784-106    | 507R01784-306       |
|           | 175       | "                                        | 507R01784-107    | 507R01784-307       |
|           | 200       | "                                        | 507R01784-108    | 507R01784-308       |
|           | 225       | "                                        | 507R01784-109    | 507R01784-309       |
|           | 250       | "                                        | 507R01784-110    | 507R01784-310       |
|           | 300       | "                                        | 507R01785-112    | 507R01785-312       |
|           | 350       | "                                        | 507R01785-114    | 507R01785-314       |
|           | 400       | "                                        | 507R01788-316    | 507R01788-716       |
| BMF, BMB  | 150       | Horizontal*                              | 507R01786-106    | 507R01786-306       |
|           | 175       | "                                        | 507R01786-107    | 507R01786-307       |
|           | 200       | "                                        | 507R01786-108    | 507R01786-308       |
|           | 225       | "                                        | 507R01786-109    | 507R01786-309       |
|           | 250       | "                                        | 507R01786-110    | 507R01786-310       |
|           | 300       | "                                        | 507R01787-112    | 507R01787-312       |
|           | 350       | "                                        | 507R01787-114    | 507R01787-314       |
|           | 400       | "                                        | 507R01788-116    | 507R01788-516       |

## LEGEND:

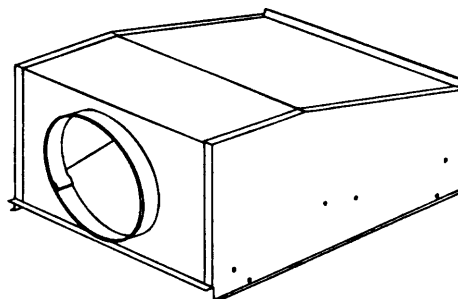
BMF = “BM” Series Prop

BMB = “BM” Series Blower

\* Indicates standard part on unit.



STANDARD DRAFT DIVERTER  
UNIT SIZES 30 THRU 125



STANDARD DRAFT DIVERTER  
UNIT SIZES 150 THRU 400

## “BM” Series Draft Diverters *continued*

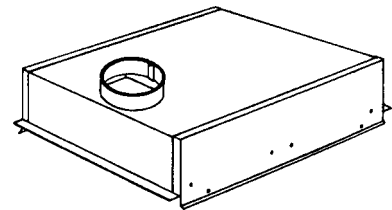
| Usage    | Unit Size | Duct Furnace Draft Diverters Replacement Part Numbers |                  |                     |
|----------|-----------|-------------------------------------------------------|------------------|---------------------|
|          |           | Orientation                                           | Aluminized Steel | 409 Stainless Steel |
| BMD, BMS | 100       | Horizontal R.H.                                       | N/A              | N/A                 |
|          | 125       | "                                                     | N/A              | N/A                 |
|          | 150       | Horizontal R.H.*                                      | 507R01786-106    | 507R01786-306       |
|          | 175       | "                                                     | 507R01786-107    | 507R01786-307       |
|          | 200       | "                                                     | 507R01786-108    | 507R01786-308       |
|          | 225       | "                                                     | 507R01786-109    | 507R01786-309       |
|          | 250       | "                                                     | 507R01786-110    | 507R01786-310       |
|          | 300       | "                                                     | 507R01787-112    | 507R01787-312       |
|          | 350       | "                                                     | 507R01787-114    | 507R01787-314       |
|          | 400       | "                                                     | 507R01788-116    | 507R01788-516       |
| BMD, BMS | 100       | Vertical R.H.*                                        | 507R01783-104    | 507R01783-304       |
|          | 125       | "                                                     | 507R01783-105    | 507R01783-305       |
|          | 150       | Vertical R.H.                                         | 507R01784-106    | 507R01784-306       |
|          | 175       | "                                                     | 507R01784-107    | 507R01784-307       |
|          | 200       | "                                                     | 507R01784-108    | 507R01784-308       |
|          | 225       | "                                                     | 507R01784-109    | 507R01784-309       |
|          | 250       | "                                                     | 507R01784-110    | 507R01784-310       |
|          | 300       | "                                                     | 507R01785-112    | 507R01785-312       |
|          | 350       | "                                                     | 507R01785-114    | 507R01785-314       |
|          | 400       | "                                                     | 507R01788-316    | 507R01788-716       |
| BMS      | 100       | Horizontal L.H.                                       | N/A              | N/A                 |
|          | 125       | "                                                     | N/A              | N/A                 |
|          | 150       | "                                                     | 507R01786-206    | 507R01786-406       |
|          | 175       | "                                                     | 507R01786-207    | 507R01786-407       |
|          | 200       | "                                                     | 507R01786-208    | 507R01786-408       |
|          | 225       | "                                                     | 507R01786-209    | 507R01786-409       |
|          | 250       | "                                                     | 507R01786-210    | 507R01786-410       |
|          | 300       | "                                                     | 507R01787-212    | 507R01787-412       |
|          | 350       | "                                                     | 507R01787-214    | 507R01787-414       |
|          | 400       | "                                                     | 507R01788-216    | 507R01788-616       |
| BMS      | 100       | Vertical L.H.                                         | 507R01783-204    | 507R01783-404       |
|          | 125       | "                                                     | 507R01783-205    | 507R01783-405       |
|          | 150       | "                                                     | 507R01784-206    | 507R01784-406       |
|          | 175       | "                                                     | 507R01784-207    | 507R01784-407       |
|          | 200       | "                                                     | 507R01784-208    | 507R01784-408       |
|          | 225       | "                                                     | 507R01784-209    | 507R01784-409       |
|          | 250       | "                                                     | 507R01784-210    | 507R01784-410       |
|          | 300       | "                                                     | 507R01785-212    | 507R01785-412       |
|          | 350       | "                                                     | 507R01785-214    | 507R01785-414       |
|          | 400       | "                                                     | 507R01788-416    | 507R01788-816       |

### LEGEND:

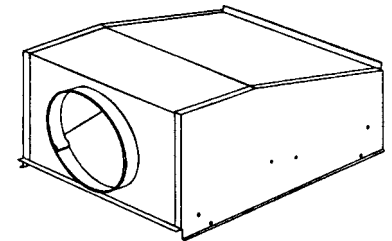
BMD = “BM” Series Duct  
(Bottom Access)

BMS = “BM” Series Duct  
(Side Access)

\* Indicates standard part on unit.



**STANDARD DRAFT DIVERTER  
UNIT SIZES 100 THRU 125**



**STANDARD DRAFT DIVERTER  
UNIT SIZES 150 THRU 400**

# “BM” Series Flue Collectors

| Usage      | Unit Size | High Efficiency Flue Collectors Replacement Part Numbers |                  |                     |
|------------|-----------|----------------------------------------------------------|------------------|---------------------|
|            |           | Orientation                                              | Aluminized Steel | 409 Stainless Steel |
| BMEF       | 30        | Horizontal*                                              | 11507R01102-030  | N/A                 |
|            | 45        | "                                                        | 11507R01102-045  | N/A                 |
|            | 60        | "                                                        | 11507R01102-060  | N/A                 |
|            | 75        | "                                                        | 11507R01102-060  | N/A                 |
| BMEF, BMEB | 100       | Horizontal*                                              | 11507R01109-004  | 11507R01109-304     |
|            | 125       | "                                                        | 11507R01109-005  | 11507R01109-305     |
|            | 150       | "                                                        | 11507R01110-006  | 11507R01110-306     |
|            | 175       | "                                                        | 11507R01110-007  | 11507R01110-307     |
|            | 200       | "                                                        | 11507R01110-008  | 11507R01110-308     |
|            | 225       | "                                                        | 11507R01110-009  | 11507R01110-309     |
|            | 250       | "                                                        | 11507R01110-010  | 11507R01110-310     |
|            | 300       | "                                                        | 11507R01110-012  | 11507R01110-312     |
|            | 350       | "                                                        | 11507R01110-014  | 11507R01110-314     |
|            | 400       | "                                                        | 11507R01110-016  | 11507R01110-316     |

## LEGEND:

BMEB = “BM” Series  
High Efficiency Blower

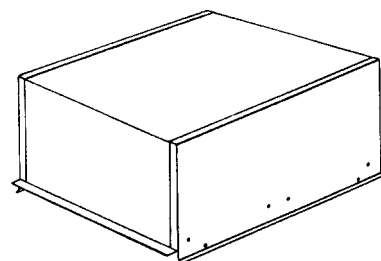
BMEF = “BM” Series  
High Efficiency Prop

BMED = “BM” Series  
High Efficiency Duct  
(Bottom Access)

BMES = “BM” Series  
High Efficiency Duct  
(Side Access)

\* Indicates standard part on unit.

| Usage      | Unit Size | High Efficiency Duct Furnace Flue Collectors Replacement Part Numbers |                  |                     |
|------------|-----------|-----------------------------------------------------------------------|------------------|---------------------|
|            |           | Orientation                                                           | Aluminized Steel | 409 Stainless Steel |
| BMED, BMES | 100       | Horizontal*                                                           | 507R02685-004    | 507R02685-304       |
|            | 125       | "                                                                     | 507R02685-005    | 507R02685-305       |
|            | 150       | "                                                                     | 507R01110-006    | 507R01110-306       |
|            | 175       | "                                                                     | 507R01110-007    | 507R01110-307       |
|            | 200       | "                                                                     | 507R01110-008    | 507R01110-308       |
|            | 225       | "                                                                     | 507R01110-009    | 507R01110-309       |
|            | 250       | "                                                                     | 507R01110-010    | 507R01110-310       |
|            | 300       | "                                                                     | 507R01110-012    | 507R01110-312       |
|            | 350       | "                                                                     | 507R01110-014    | 507R01110-314       |
|            | 400       | "                                                                     | 507R01110-016    | 507R01110-316       |
| BMED, BMES | 100       | Vertical                                                              | 507R02687-104    | 507R02687-304       |
|            | 125       | "                                                                     | 507R02687-005    | 507R02687-305       |
|            | 150       | "                                                                     | 507R02690-106    | 507R02690-306       |
|            | 175       | "                                                                     | 507R02690-007    | 507R02690-307       |
|            | 200       | "                                                                     | 507R02690-108    | 507R02690-308       |
|            | 225       | "                                                                     | 507R02690-009    | 507R02690-309       |
|            | 250       | "                                                                     | 507R02690-110    | 507R02690-310       |
|            | 300       | "                                                                     | 507R02690-112    | 507R02690-312       |
|            | 350       | "                                                                     | 507R02690-114    | 507R02690-314       |
|            | 400       | "                                                                     | 507R02690-116    | 507R02690-316       |



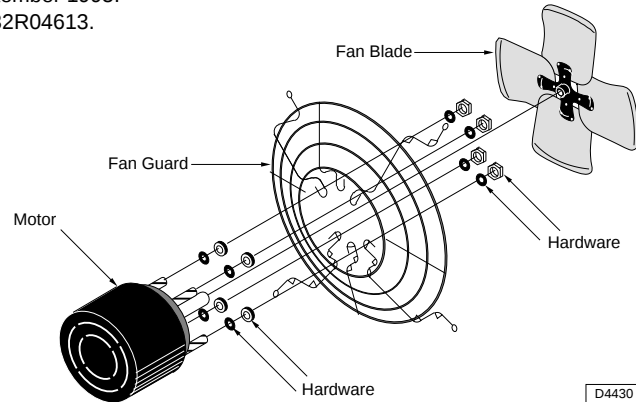
**HIGH EFFICIENCY  
FLUE COLLECTOR**

# “BM” Series Propeller Parts

| Unit Size | BMF, BMEF and BMSF** Units Part Numbers |                            |                    |               |                  |                   |
|-----------|-----------------------------------------|----------------------------|--------------------|---------------|------------------|-------------------|
|           | Totally Enclosed Fan Motor              | Open Drip Proof* Fan Motor | Standard Fan Guard | Fan Blade     | OSHA** Fan Guard | Fan Hardware      |
| 30        | J31R01871                               | J31R04090                  | 253R00250          | J34R00321-001 | J32R04837        | 253R01422-001     |
| 45        |                                         |                            | 253R01873-001      | J34R00321-002 | J32R04840        | 253R01423-001     |
| 60        |                                         |                            |                    |               |                  |                   |
| 75        |                                         |                            |                    |               |                  |                   |
| 100       | J31R01872                               | J31R04091                  |                    |               |                  |                   |
| 125       | J31R03086                               | J31R04092                  | J34R05944          | J32R04840     | 253R01423-001    |                   |
| 150       | J31R01694                               | J31R04093-001              | J34R05945          |               |                  |                   |
| 175       |                                         | J31R04094-001              | 253R01874-001      | J34R05946     | J32R04843        |                   |
| 200       |                                         |                            |                    |               |                  |                   |
| 225       |                                         |                            |                    |               |                  |                   |
| 250       |                                         |                            |                    |               |                  |                   |
| 300       | J31R01694 (2)                           | J31R04093-001 (2)          | 253R01873-001 (2)  | J34R05945 (2) | J32R04840 (2)    | 253R01423-001 (2) |
| 350       |                                         | J31R04094-001 (2)          | 253R01874-001 (2)  | J34R05946 (2) | J32R04843 (2)    |                   |
| 400       |                                         |                            |                    |               |                  |                   |

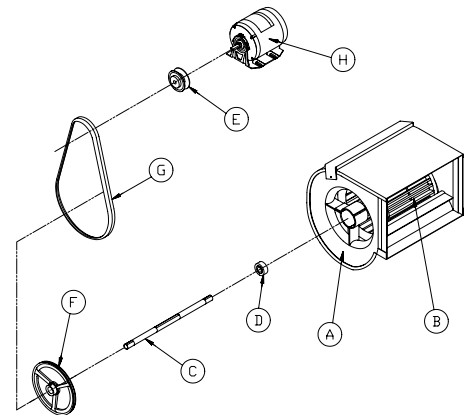
\*Standard on units manufactured after September 1995.

\*\*BMSF 175-200 require OSHA guard 11J32R04613.



## “BM” Series Blower Motors (ODP)\*

| Usage                 | HP  | Voltage       | Part Number   | HP    | Voltage       | Part Number   |
|-----------------------|-----|---------------|---------------|-------|---------------|---------------|
| QVB,<br>QVEB,<br>QVBC | 1/4 | 115/1/60      | J31R00101-001 | 1     | 115/1/60      | J31R00105-001 |
|                       | 1/4 | 208, 230/1/60 | J31R00101-002 | 1     | 208, 230/1/60 | J31R00105-001 |
|                       | 1/3 | 115/1/60      | J31R00102-001 | 1     | 208/3/60      | J31R00105-004 |
|                       | 1/3 | 208, 230/1/60 | J31R00102-002 | 1     | 230/3/60      | J31R00105-004 |
|                       | 1/3 | 208/3/60      | J31R00102-004 | 1     | 460/3/60      | J31R00105-004 |
|                       | 1/3 | 230/3/60      | J31R00102-004 | 1     | 575/3/60      | J31R00105-007 |
|                       | 1/3 | 460/3/60      | J31R00102-004 | 1-1/2 | 115/1/60      | J31R00106-001 |
|                       | 1/2 | 115/1/60      | J31R00103-001 | 1-1/2 | 208, 230/1/60 | J31R00106-001 |
|                       | 1/2 | 208, 230/1/60 | J31R00103-002 | 1-1/2 | 208/3/60      | J31R00106-004 |
|                       | 1/2 | 208/3/60      | J31R00103-004 | 1-1/2 | 230/3/60      | J31R00106-004 |
|                       | 1/2 | 230/3/60      | J31R00103-004 | 1-1/2 | 460/3/60      | J31R00106-004 |
|                       | 1/2 | 460/3/60      | J31R00103-004 | 1-1/2 | 575/3/60      | J31R00106-007 |
|                       | 1/2 | 575/3/60      | J31R00103-007 | 2     | 115/1/60      | J31R00107-001 |
|                       | 3/4 | 115/1/60      | J31R00104-001 | 2     | 208, 230/1/60 | J31R00107-001 |
|                       | 3/4 | 208, 230/1/60 | J31R00104-002 | 2     | 208/3/60      | J31R00107-004 |
|                       | 3/4 | 208/3/60      | J31R00104-004 | 2     | 230/3/60      | J31R00107-004 |
|                       | 3/4 | 230/3/60      | J31R00104-004 | 2     | 460/3/60      | J31R00107-004 |
|                       | 3/4 | 460/3/60      | J31R00104-004 | 2     | 575/3/60      | J31R00107-007 |
|                       | 3/4 | 575/3/60      | J31R00104-007 | 3     | 208/3/60      | J31R00108-004 |
|                       |     |               |               | 3     | 230/3/60      | J31R00108-004 |
|                       |     |               |               | 3     | 460/3/60      | J31R00108-004 |
|                       |     |               |               | 3     | 575/3/60      | J31R00108-007 |



\* Consult customer service for other motor types.

# “BM” Series Blower Parts (BMB, BMEB, BMBC)

| Item No.    | Unit Size (Blower Size)                      | 100 (9")           | 125 (10")         | 150 (10")         | 175 (12")        | 200 (12")        |
|-------------|----------------------------------------------|--------------------|-------------------|-------------------|------------------|------------------|
| Description |                                              | Part Number        |                   |                   |                  |                  |
|             | Blower Assembly Complete                     | 602R06335-001      | 602R06335-002     | 602R06335-002     | 602R06335-003    | 602R06335-003    |
| B           | Blower Wheel                                 | 602R06186-004      | 602R06186-005     | 602R06186-005     | 602R06186-006    | 602R06186-006    |
| K           | Blower Housing Kit                           | 602R06186-001      | 602R06186-002     | 602R06186-002     | 602R06186-003    | 602R06186-003    |
| A           | Bearing (Spider) Bracket                     | 602R06186-007      | 602R06186-008     | 602R06186-008     | 602R06186-009    | 602R06186-009    |
| H           | Blower Motor                                 | Order From Page 10 |                   |                   |                  |                  |
| C           | Blower Shaft                                 | 602R06186-011      | J35R00540-002     | J35R00540-002     | J35R00540-003    | J35R00540-003    |
| D           | Main Bearing (For Units as of August 2000)** | 602R06186-010 (2)  | J42R00433-008 (2) | J42R00433-008 (2) | J42R0433-009 (2) | J42R0433-009 (2) |
| N/S         | Belt Guard                                   | 253R04403-001      | 253R04403-002     | 253R04403-002     | 253R04403-003    | 253R04403-003    |
| N/S         | Rear Blower Panel                            | 251R01979-004      | 251R01979-005     | 251R01979-006     | 251R01979-007    | 251R01979-008    |
| N/S         | Rear Blower Panel Enerpak                    | 251R02034-004      | 251R02034-005     | N/A               |                  |                  |
| N/S         | Rear Blower Mounting Panel Assembly          | N/A                |                   |                   |                  |                  |
| N/S         | Bottom Rear Extension Assembly               | N/A                |                   |                   |                  |                  |
| N/S         | Adjustable High Limit (QVBC)                 | J11R02260          | J11R02260         | J11R02260         | J11R02260        | J11R02260        |
| G           | V-Belt Standard***                           | Call               |                   |                   |                  |                  |
| E           | Drive Pulley (Standard)***                   | J35R02136-003      | J35R02136-003     | J35R02136-003     | J35R02136-003    | J35R02136-003    |
| F           | Driven Pulley (Standard)***                  | J35R00639-007      | J35R00639-007     | J35R00639-008     | J35R02135-009    | J35R02135-009    |

| Item No. | Unit Size (Blower Size)                                  | 225 (12")          | 250 (12")         | 300* (2-10")      | 350** (2-12")     | 400** (2-12")     |
|----------|----------------------------------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
|          | <b>Description</b>                                       | <b>Part Number</b> |                   |                   |                   |                   |
|          | Blower Assembly Complete                                 | 602R06335-003      | 602R06335-003     | 602R06335-004     | 11602R06335-005   | 11602R06335-005   |
| B        | Blower Wheel                                             | 602R06186-006      | 602R06186-006     | 602R06186-005     | 602R06186-006     | 602R06186-006     |
| K        | Blower Housing Kit                                       | 602R06186-003      | 602R06186-003     | 602R06186-002     | 602R06186-003     | 602R06186-003     |
| A        | Bearing (Spider) Bracket                                 | 602R06186-009      | 602R06186-009     | 602R06186-008     | 602R06186-009     | 602R06186-009     |
| H        | Blower Motor                                             | Order From Page 10 |                   |                   |                   |                   |
| C        | Blower Shaft                                             | J35R00540-003      | J35R00540-003     | J35R01974         | J35R01975         | J35R01975         |
| D        | Main Bearing (For Units as of August 2000) <sup>††</sup> | J42R00433-009 (2)  | J42R00433-009 (2) | J42R00433-008 (3) | J42R00433-009 (3) | J42R00433-009 (3) |
| N/S      | Belt Guard                                               | 253R04403-003      | 253R04403-003     | 253R04403-002     | 253R04403-003     | 253R04403-003     |
| N/S      | Rear Blower Panel                                        | N/A                |                   |                   |                   |                   |
| N/S      | Rear Blower Panel Enerpak                                | N/A                |                   |                   |                   |                   |
| N/S      | Rear Blower Mounting Panel Assembly                      | 510R01913-009      | 510R01913-010     | 510R01915-012     | 510R01915-014     | 510R01915-016     |
| N/S      | Bottom Rear Extension Assembly                           | 257R01906-109      | 257R01906-110     | 257R01906-112     | 257R01906-114     | 257R01906-116     |
| N/S      | Adjustable High Limit (QVBC)                             | J11R02260          | J11R02260         | J11R02260         | J11R02260         | J11R02260         |
| G        | V-Belt Standard <sup>***</sup>                           | Call               |                   |                   |                   |                   |
| E        | Drive Pulley (Standard) <sup>***</sup>                   | J35R02136-003      | J35R02136-003     | J35R02136-003     | J35R02136-003     | J35R02136-003     |
| F        | Driven Pulley (Standard) <sup>***</sup>                  | J35R02135-009      | J35R02135-009     | J35R00639-008     | J35R02135-009     | J35R02135-009     |

\*(Quantity Required)

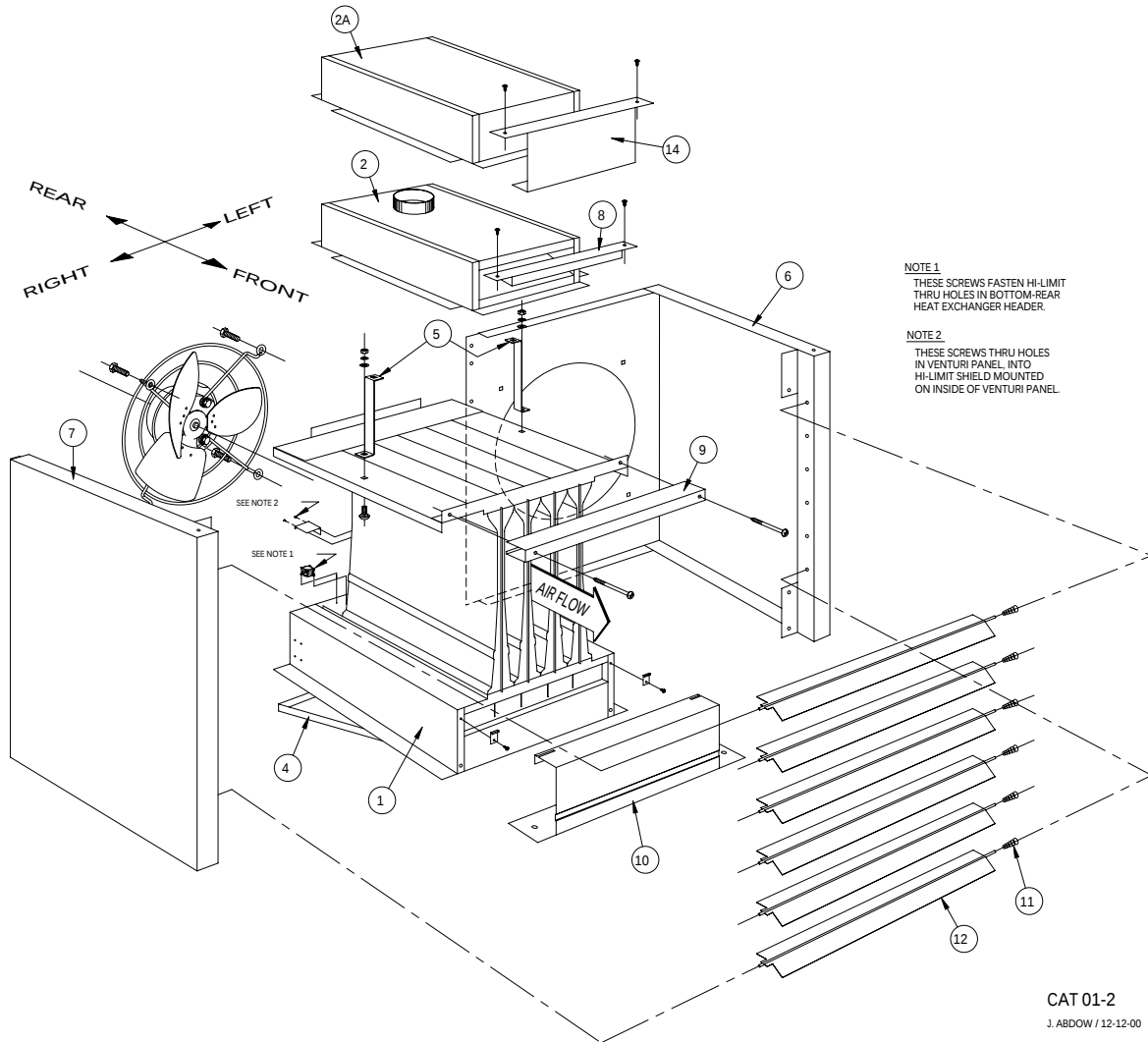
<sup>†</sup>When Ordering bearings for Lau 12" blowers requiring a 2-1/2" outside diameter use part # 11J42R00433-005.

\*\* 300-350-400 size units require 2 housings, 2 wheels, 3 bearings, 1 shaft.

\*\*\* For units manufactured after August 2000, refer to label near blower housing for part number.

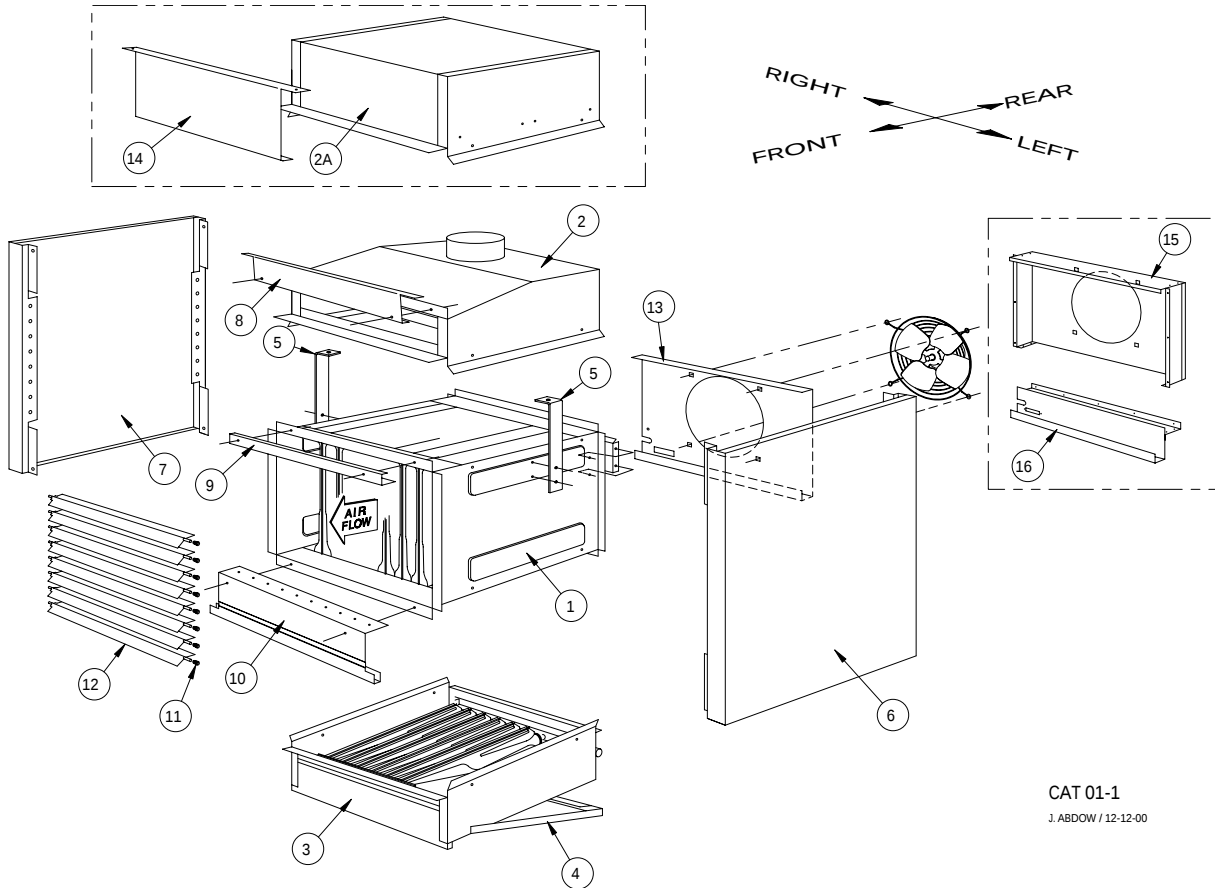
N/S = Not Shown.

# **“BM” Series Sheet Metal Parts**



**STANDARD BMF-30 THRU 75 UNITS  
AND HIGH EFFICIENCY BMEF-30 THRU 75 UNITS  
PROPELLER SHEET METAL PARTS**

# “BM” Series Sheet Metal Parts



CAT 01-1  
J. ABDOW / 12-12-00

**STANDARD PROPELLER BMF AND BLOWER BMB\*\*  
HIGH EFFICIENCY PROPELLER BMEF AND BLOWER BMEB\*\*  
100 THRU 400 UNIT SIZES  
SHEET METAL PARTS**

## “BM” Series Sheet Metal Parts

| Item No. | Description                                      | Unit Size | 30                | 45                | 60                |
|----------|--------------------------------------------------|-----------|-------------------|-------------------|-------------------|
|          |                                                  |           | Part Number       |                   |                   |
| 11       | Louver Spring (Individual)*                      |           | J26R01960 (6)     | J26R01960 (6)     | J26R01960 (6)     |
| 12       | Horizontal Louver (Individual)*                  |           | 257R00272-001 (6) | 257R00272-001 (6) | 257R00272-016 (6) |
| N/S      | Vertical Louver Set w/Springs & Brackets         |           | 257R00383-001     | 257R00383-002     | 257R00383-003     |
| 7        | Right Casing Panel                               |           | 251R05211-001     | 251R05211-001     | 251R05211-002     |
| 6        | Left Casing Panel (BMF, BMB)                     |           | 251R05212-001     | 251R05212-001     | 251R05212-002     |
| 6        | Left Casing Panel (BMEF, BMEB)                   |           | 251R05212-003     | 251R05212-003     | 251R05212-004     |
| 4        | Bottom Service Panel                             |           | 251R00357-001     | 251R00357-001     | 251R00357-002     |
| 8        | Top Front Trim (Standard Units Only)             |           | 251R00363-001     | 251R00363-001     | 251R00363-002     |
| 9        | Center Front Trim (Standard Units Only)          |           | 251R00362-001     | 251R00362-001     | 251R00362-002     |
| 10       | Bottom Front Trim                                |           | 251R01659-001     | 251R01659-001     | 251R01659-002     |
| 13       | Venturi Panel (Standard BMF)                     |           | N/A               | N/A               | N/A               |
| 13       | Venturi Panel (High Efficiency BMEF)             |           | N/A               | N/A               | N/A               |
| 15       | Venturi Extension Assembly                       |           | N/A               | N/A               | N/A               |
| 16       | Bottom Rear Extension Assembly                   |           | N/A               | N/A               | N/A               |
| 5        | Hangers (Individual) (Standard BMF) R.H.         |           | 257R00352         | 257R00352         | 257R00352         |
| 5        | Hangers (Individual) (Standard BMF) L.H.         |           | 257R00352         | 257R00352         | 257R00352         |
| 5        | Hangers (Individual) (High Efficiency Only) R.H. |           | 257R01106         | 257R01106         | 257R01106         |
| 5        | Hangers (Individual) (High Efficiency Only) L.H. |           | 257R01106         | 257R01106         | 257R01106         |
| 14       | Top Front Trim (High Efficiency Only)            |           | 251R01105-030     | 251R01105-030     | 251R01105-060     |

\*(Quantity Required)

| Item No. | Description                                      | Unit Size | 175               | 200               | 225               |
|----------|--------------------------------------------------|-----------|-------------------|-------------------|-------------------|
|          |                                                  |           | Part Number       |                   |                   |
| 11       | Louver Spring (Individual)*                      |           | J26R01960 (7)     | J26R01960 (7)     | J26R01960 (7)     |
| 12       | Horizontal Louver (Individual)*                  |           | 257R00272-009 (7) | 257R00272-010 (7) | 257R00272-011 (7) |
| N/S      | Vertical Louver Set w/Springs & Brackets         |           | 257R01926-007     | 257R01926-008     | 257R01926-009     |
| 7        | Right Casing Panel                               |           | 251R04641         | 251R04641         | 251R04641         |
| 6        | Left Casing Panel (BMF, BMB)                     |           | 251R04634         | 251R04634         | 251R04634         |
| 6        | Left Casing Panel (BMEF, BMEB)                   |           | 251R04634         | 251R04634         | 251R04634         |
| 4        | Bottom Service Panel                             |           | 502R01779-007     | 502R01779-008     | 502R01779-009     |
| 8        | Top Front Trim (Standard Units Only)             |           | 251R04648-007     | 251R04648-008     | 251R04648-009     |
| 9        | Center Front Trim (Standard Units Only)          |           | 251R01929-007     | 251R01929-008     | 251R01929-009     |
| 10       | Bottom Front Trim                                |           | 251R01789-007     | 251R01789-008     | 251R01789-009     |
| 13       | Venturi Panel (Standard BMF)                     |           | 251R01841-007     | 251R01841-008     | N/A               |
| 13       | Venturi Panel (High Efficiency BMEF)             |           | 251R01841-007     | 251R01841-008     | N/A               |
| 15       | Venturi Extension Assembly                       |           | N/A               | N/A               | 257R01900-009     |
| 16       | Bottom Rear Extension Assembly                   |           | N/A               | N/A               | 257R01906-009     |
| 5        | Hangers (Individual) (Standard BMF) R.H.         |           | 252R01848-001     | 252R01848-001     | 252R01344-001     |
| 5        | Hangers (Individual) (Standard BMF) L.H.         |           | 252R01848-002     | 252R01848-002     | 252R01344-002     |
| 5        | Hangers (Individual) (High Efficiency Only) R.H. |           | 252R01344-001     | 252R01344-001     | 252R01344-001     |
| 5        | Hangers (Individual) (High Efficiency Only) L.H. |           | 252R01344-002     | 252R01344-002     | 252R01344-002     |
| 14       | Top Front Trim (High Efficiency Only)            |           | 251R01925-007     | 251R01925-008     | 251R01925-009     |

\*(Quantity Required)

Refer to pages 12 and 13 for item numbers.

N/S = Not shown

## “BM” Series Sheet Metal Parts *continued*

| Item No. | Description                                      | Unit Size | 75                | 100               | 125               | 150               |
|----------|--------------------------------------------------|-----------|-------------------|-------------------|-------------------|-------------------|
|          |                                                  |           | Part Number       |                   |                   |                   |
| 11       | Louver Spring (Individual)*                      |           | J26R01960 (6)     | J26R01960 (7)     | J26R01960 (7)     | J26R01960 (7)     |
| 12       | Horizontal Louver (Individual)*                  |           | 257R00272-016 (6) | 257R00272-005 (7) | 257R00272-008 (7) | 257R00272-008 (7) |
| N/S      | Vertical Louver Set w/Springs & Brackets         |           | 257R00383-004     | 257R01926-004     | 257R01926-005     | 257R01926-006     |
| 7        | Right Casing Panel                               |           | 251R05211-002     | 251R04640         | 251R04640         | 251R04641         |
| 6        | Left Casing Panel (BMF, BMB)                     |           | 251R05212-002     | 251R04633         | 251R04633         | 251R04634         |
| 6        | Left Casing Panel (BMEF, BMEB)                   |           | 251R05212-004     | 251R04633         | 251R04633         | 251R04634         |
| 4        | Bottom Service Panel                             |           | 251R00357-002     | 502R01782-004     | 502R01782-005     | 502R01779-006     |
| 8        | Top Front Trim (Standard Units Only)             |           | 251R00363-002     | 251R04647-004     | 251R04647-005     | 251R04648-006     |
| 9        | Center Front Trim (Standard Units Only)          |           | 251R00362-002     | 251R01928-004     | 251R01928-005     | 251R01929-006     |
| 10       | Bottom Front Trim                                |           | 251R01659-002     | 251R01789-004     | 251R01789-005     | 251R01789-005     |
| 13       | Venturi Panel (Standard BMF)                     |           | N/A               | 251R01840         | 251R01841-005     | 251R01841-005     |
| 13       | Venturi Panel (High Efficiency BMEF)             |           | N/A               | 251R03491-004     | 251R03492-005     | 251R01841-005     |
| 15       | Venturi Extension Assembly                       |           | N/A               | N/A               | N/A               | N/A               |
| 16       | Bottom Rear Extension Assembly                   |           | N/A               | N/A               | N/A               | N/A               |
| 5        | Hangers (Individual) (Standard BMF) R.H.         |           | 257R00352         | 252R01847         | 252R01847         | 252R01848-001     |
| 5        | Hangers (Individual) (Standard BMF) L.H.         |           | 257R00352         | 252R01847         | 252R01847         | 252R01848-002     |
| 5        | Hangers (Individual) (High Efficiency Only) R.H. |           | 257R01106         | 252R01399-001     | 252R01399-001     | 252R01344-001     |
| 5        | Hangers (Individual) (High Efficiency Only) L.H. |           | 257R01106         | 252R01399-002     | 252R01399-002     | 252R01344-002     |
| 14       | Top Front Trim (High Efficiency Only)            |           | 251R01105-060     | 251R01925-004     | 251R01925-005     | 251R01925-006     |

\*(Quantity Required)

Refer to pages 12 and 13 for item numbers.

N/S = Not shown

| Item No. | Description                                      | Unit Size | 250               | 300               | 350               | 400               |
|----------|--------------------------------------------------|-----------|-------------------|-------------------|-------------------|-------------------|
|          |                                                  |           | Part Number       |                   |                   |                   |
| 11       | Louver Spring (Individual)*                      |           | J26R01960 (7)     | J26R01960 (7)     | J26R01960 (7)     | J26R01960 (7)     |
| 12       | Horizontal Louver (Individual)*                  |           | 257R00272-012 (7) | 257R00272-013 (7) | 257R00272-014 (7) | 257R00272-015 (7) |
| N/S      | Vertical Louver Set w/Springs & Brackets         |           | 257R01926-010     | 257R01926-012     | 257R01926-014     | 257R01926-016     |
| 7        | Right Casing Panel                               |           | 251R04641         | 251R04641         | 251R04641         | 251R04641         |
| 6        | Left Casing Panel (BMF, BMB)                     |           | 251R04634         | 251R04634         | 251R04634         | 251R04634         |
| 6        | Left Casing Panel (BMEF, BMEB)                   |           | 251R04634         | 251R04634         | 251R04634         | 251R04634         |
| 4        | Bottom Service Panel                             |           | 502R01779-010     | 502R01779-012     | 502R01779-014     | 502R01779-016     |
| 8        | Top Front Trim (Standard Units Only)             |           | 251R04648-010     | 251R04648-012     | 251R04648-014     | 251R04648-016     |
| 9        | Center Front Trim (Standard Units Only)          |           | 251R01929-010     | 251R01929-012     | 251R01929-014     | 251R01929-016     |
| 10       | Bottom Front Trim                                |           | 251R01789-010     | 251R01789-012     | 251R01789-014     | 251R01789-016     |
| 13       | Venturi Panel (Standard BMF)                     |           | N/A               | N/A               | N/A               | N/A               |
| 13       | Venturi Panel (High Efficiency BMEF)             |           | N/A               | N/A               | N/A               | N/A               |
| 15       | Venturi Extension Assembly                       |           | 257R01900-010     | 257R01901-012     | 257R01901-014     | 257R01901-016     |
| 16       | Bottom Rear Extension Assembly                   |           | 257R01906-010     | 257R01906-012     | 257R01906-014     | 257R01906-016     |
| 5        | Hangers (Individual) (Standard BMF) R.H.         |           | 252R01344-001     | 252R01344-001     | 252R01344-001     | 252R01344-001     |
| 5        | Hangers (Individual) (Standard BMF) L.H.         |           | 252R01344-002     | 252R01344-002     | 252R01344-002     | 252R01344-002     |
| 5        | Hangers (Individual) (High Efficiency Only) R.H. |           | 252R01344-001     | 252R01344-001     | 252R01344-001     | 252R01344-001     |
| 5        | Hangers (Individual) (High Efficiency Only) L.H. |           | 252R01344-002     | 252R01344-002     | 252R01344-002     | 252R01344-002     |
| 14       | Top Front Trim (High Efficiency Only)            |           | 251R01925-010     | 251R01925-012     | 251R01925-014     | 251R01925-016     |

\*(Quantity Required)

Refer to pages 12 and 13 for item numbers.

N/S = Not shown

# “BM” Series Duct Furnace Parts

| Description                       |                              | Unit Size<br>Part Usage |       |       |       | Unit Size     |               |               |
|-----------------------------------|------------------------------|-------------------------|-------|-------|-------|---------------|---------------|---------------|
|                                   |                              | D                       | S     | ED    | ES    | 100           | 125           | 150           |
|                                   |                              |                         |       |       |       | Part Number   |               |               |
| Burner Drawer Shell               | (Standard - R.H.)            | X                       | N/A   | X     | N/A   | 502R06266-004 | 502R06266-005 | 502R06267-006 |
|                                   | (Standard - L.H.)            | Opt'l                   | N/A   | Opt'l | N/A   | 502R06262-004 | 502R06262-005 | 502R06263-006 |
| Burner Drawer Complete*           | (Standard - R.H.)            | X                       | N/A   | X     | N/A   | 502R01778-004 | 502R01778-005 | 502R01778-006 |
|                                   | (Standard - L.H.)            | Opt'l                   | N/A   | Opt'l | N/A   | 502R02699-004 | 502R02699-005 | 502R02699-006 |
| Burner Drawer Shell               | (Side Access - R.H.)         | N/A                     | X     | N/A   | X     | 502R04910-004 | 502R04910-005 | 502R04917-006 |
|                                   | (Side Access - L.H.)         | N/A                     | Opt'l | N/A   | Opt'l | 502R04911-004 | 502R04911-005 | 502R04918-006 |
| Burner Drawer Complete*           | (Side Access - R.H.)         | N/A                     | X     | N/A   | X     | 502R02693-004 | 502R02693-005 | 502R02693-006 |
|                                   | (Side Access - L.H.)         | N/A                     | Opt'l | N/A   | Opt'l | 502R02694-004 | 502R02694-005 | 502R02694-006 |
| Burner Manifold                   | (Standard - R.H.)            | X                       | N/A   | X     | N/A   | 503R01936-004 | 503R01936-005 | 503R01936-006 |
|                                   | (Standard - L.H.)            | Opt'l                   | N/A   | Opt'l | N/A   | 503R01936-004 | 503R01936-005 | 503R01936-006 |
| Burner Manifold                   | (Side Access - R.H.)         | N/A                     | X     | N/A   | X     | 503R02695-004 | 503R02695-005 | 503R02695-006 |
|                                   | (Side Access - L.H.)         | N/A                     | Opt'l | N/A   | Opt'l | 503R02695-004 | 503R02695-005 | 503R02695-006 |
| Outside Jacket Panel              |                              | X                       | X     | X     | X     | 251R02663     | 251R02663     | 251R02663     |
| Outside Jacket<br>Access Panel    | (R.H.)                       | X                       | N/A   | X     | N/A   | 251R02664-001 | 251R02664-001 | 251R02664-001 |
|                                   | (L.H.)                       | Opt'l                   | N/A   | Opt'l | N/A   | 251R02664-002 | 251R02664-002 | 251R02664-002 |
| Bottom Service Panel              |                              | X                       | X     | X     | X     | 502R01782-004 | 502R01782-005 | 502R01779-006 |
| High Limit Access Door            |                              | X                       | X     | X     | X     | 258R02684     | 258R02684     | 258R02684     |
| High Limit<br>Bracket Assembly    | (R.H.)                       | X                       | X     | X     | X     | 252R05587-101 | 252R05587-101 | 252R05587-102 |
|                                   | (L.H.)                       | X                       | X     | X     | X     | 252R05588-101 | 252R05588-101 | 252R05588-102 |
| Lower Access<br>Jacket Panel      | (R.H.)                       | N/A                     | X     | N/A   | X     | 251R02671-001 | 251R02671-001 | 251R02671-001 |
|                                   | (L.H.)                       | N/A                     | Opt'l | N/A   | Opt'l | 251R02671-002 | 251R02671-002 | 251R02671-002 |
| Upper Access<br>Jacket Panel      | (R.H.)                       | N/A                     | X     | N/A   | X     | 251R04019     | 251R04019     | 251R04019     |
|                                   | (L.H.)                       | N/A                     | Opt'l | N/A   | Opt'l | 251R04019     | 251R04019     | 251R04019     |
| Channel Assembly                  | (R.H.)                       | N/A                     | X     | N/A   | X     | 251R02665-001 | 251R02665-001 | 251R02665-001 |
|                                   | (L.H.)                       | N/A                     | Opt'l | N/A   | Opt'l | 251R02665-002 | 251R02665-002 | 251R02665-002 |
| Angle Assembly                    | (R.H.)                       | N/A                     | X     | N/A   | X     | 251R02668-001 | 251R02668-001 | 251R02668-001 |
|                                   | (L.H.)                       | N/A                     | Opt'l | N/A   | Opt'l | 251R02668-002 | 251R02668-002 | 251R02668-002 |
| Lower Front Trim Panel            |                              | X                       | X     | X     | X     | 251R02662-004 | 251R02662-005 | 251R02662-005 |
| Blocked Vent (Spill) Switch Cover |                              | X                       | X     | N/A   | N/A   | 257R02845-001 | 257R02845-001 | 257R02845-002 |
| Pilot Burner                      | (Spark - R.H.) Nat.          | Opt'l                   | Opt'l | X     | X     | J38R04578-001 | J38R04578-001 | J38R04578-001 |
|                                   | (Spark - L.H.) Nat.          | Opt'l                   | Opt'l | Opt'l | Opt'l | J38R07982-001 | J38R07982-001 | J38R07982-001 |
| Pilot Burner                      | (Spark - R.H.) L.P.          | Opt'l                   | Opt'l | Opt'l | Opt'l | J38R04578-002 | J38R04578-002 | J38R04578-002 |
|                                   | (Spark - L.H.) L.P.          | Opt'l                   | Opt'l | Opt'l | Opt'l | J38R07982-002 | J38R07982-002 | J38R07982-002 |
| Pilot Burner                      | (Standing Pilot - R.H.) Nat. | X                       | X     | N/A   | N/A   | J38R00291-001 | J38R00291-001 | J38R00291-001 |
|                                   | (Standing Pilot - L.H.) Nat. | Opt'l                   | Opt'l | N/A   | N/A   | J38R00492-001 | J38R00492-001 | J38R00492-001 |
| Pilot Burner                      | (Standing Pilot - R.H.) L.P. | Opt'l                   | Opt'l | N/A   | N/A   | J38R00291-002 | J38R00291-002 | J38R00291-002 |
|                                   | (Standing Pilot - L.H.) L.P. | Opt'l                   | Opt'l | N/A   | N/A   | J38R00492-002 | J38R00492-002 | J38R00492-002 |

\*Includes Burner Drawer Shell, Manifold, Burners, Springs, Air Shutters, Orifices for 0-2,000 ft.

## “BM” Series Duct Furnace Parts *continued*

| Unit Size     |               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 175           | 200           | 225           | 250           | 300           | 350           | 400           |
| Part Number   |               |               |               |               |               |               |
| 502R06267-007 | 502R06267-008 | 502R06268-009 | 502R06268-010 | 502R06268-012 | 502R06268-014 | 502R06268-016 |
| 502R06263-007 | 502R06263-008 | 502R06264-009 | 502R06264-010 | 502R06264-012 | 502R06264-014 | 502R06264-016 |
| 502R01778-007 | 502R01778-008 | 502R01778-009 | 502R01778-010 | 502R01778-012 | 502R01778-014 | 502R01778-016 |
| 502R02699-007 | 502R02699-008 | 502R02699-009 | 502R02699-010 | 502R02699-012 | 502R02699-014 | 502R02699-016 |
| 502R04917-007 | 502R04917-008 | 502R04919-009 | 502R04919-010 | 502R04919-012 | 502R04919-014 | 502R04919-016 |
| 502R04918-007 | 502R04918-008 | 502R04920-009 | 502R04920-010 | 502R04920-012 | 502R04920-014 | 502R04920-016 |
| 502R02693-007 | 502R02693-008 | 502R02693-009 | 502R02693-010 | 502R02693-012 | 502R02693-014 | 502R02693-016 |
| 502R02694-007 | 502R02694-008 | 502R02694-009 | 502R02694-010 | 502R02694-012 | 502R02694-014 | 502R02694-016 |
| 503R01936-007 | 503R01936-008 | 503R01938-009 | 503R01938-010 | 503R01938-012 | 503R01938-014 | 503R01938-016 |
| 503R01936-007 | 503R01936-008 | 503R01938-009 | 503R01938-010 | 503R01938-012 | 503R01938-014 | 503R01938-016 |
| 503R02695-007 | 503R02695-008 | 503R02696-009 | 503R02696-010 | 503R02696-012 | 503R02696-014 | 503R02696-016 |
| 503R02695-007 | 503R02695-008 | 503R02696-009 | 503R02696-010 | 503R02696-012 | 503R02696-014 | 503R02696-016 |
| 251R02663     | 251R02663     | 251R02663     | 251R02663     | 251R02663     | 251R02663     | 251R02663     |
| 251R02664-001 | 251R02664-001 | 251R02664-001 | 251R02664-001 | 251R02664-001 | 251R02664-001 | 251R02664-001 |
| 251R02664-002 | 251R02664-002 | 251R02664-002 | 251R02664-002 | 251R02664-002 | 251R02664-002 | 251R02664-002 |
| 502R01779-007 | 502R01779-008 | 502R01779-009 | 502R01779-010 | 502R01779-012 | 502R01779-014 | 502R01779-016 |
| 258R02684     | 258R02684     | 258R02684     | 258R02684     | 258R02684     | 258R02684     | 258R02684     |
| 252R05587-102 | 252R05587-102 | 252R05587-102 | 252R05587-102 | 252R05587-102 | 252R05587-102 | 252R05587-102 |
| 252R05588-102 | 252R05588-102 | 252R05588-102 | 252R05588-102 | 252R05588-102 | 252R05588-102 | 252R05588-102 |
| 251R02671-001 | 251R02671-001 | 251R02671-001 | 251R02671-001 | 251R02671-001 | 251R02671-001 | 251R02671-001 |
| 251R02671-002 | 251R02671-002 | 251R02671-002 | 251R02671-002 | 251R02671-002 | 251R02671-002 | 251R02671-002 |
| 251R04019     | 251R04019     | 251R04019     | 251R04019     | 251R04019     | 251R04019     | 251R04019     |
| 251R04019     | 251R04019     | 251R04019     | 251R04019     | 251R04019     | 251R04019     | 251R04019     |
| 251R02665-001 | 251R02665-001 | 251R02665-001 | 251R02665-001 | 251R02665-001 | 251R02665-001 | 251R02665-001 |
| 251R02665-002 | 251R02665-002 | 251R02665-002 | 251R02665-002 | 251R02665-002 | 251R02665-002 | 251R02665-002 |
| 251R02668-001 | 251R02668-001 | 251R02668-001 | 251R02668-001 | 251R02668-001 | 251R02668-001 | 251R02668-001 |
| 251R02668-002 | 251R02668-002 | 251R02668-002 | 251R02668-002 | 251R02668-002 | 251R02668-002 | 251R02668-002 |
| 251R02662-007 | 251R02662-008 | 251R02662-009 | 251R02662-010 | 251R02662-012 | 251R02662-014 | 251R02662-016 |
| 257R02845-002 | 257R02845-002 | 257R02845-002 | 257R02845-002 | 257R02845-002 | 257R02845-002 | 257R02845-002 |
| J38R04578-001 | J38R04578-001 | J38R04578-001 | J38R04578-001 | J38R04578-001 | J38R04578-001 | J38R04578-001 |
| J38R07982-001 | J38R07982-001 | J38R07982-001 | J38R07982-001 | J38R07982-001 | J38R07982-001 | J38R07982-001 |
| J38R04578-002 | J38R04578-002 | J38R04578-002 | J38R04578-002 | J38R04578-002 | J38R04578-002 | J38R04578-002 |
| J38R07982-002 | J38R07982-002 | J38R07982-002 | J38R07982-002 | J38R07982-002 | J38R07982-002 | J38R07982-002 |
| J38R00291-001 | J38R00291-001 | J38R00291-001 | J38R00291-001 | J38R00291-001 | J38R00291-001 | J38R00291-001 |
| J38R00492-001 | J38R00492-001 | J38R00492-001 | J38R00492-001 | J38R00492-001 | J38R00492-001 | J38R00492-001 |
| J38R00291-002 | J38R00291-002 | J38R00291-002 | J38R00291-002 | J38R00291-002 | J38R00291-002 | J38R00291-002 |
| J38R00492-002 | J38R00492-002 | J38R00492-002 | J38R00492-002 | J38R00492-002 | J38R00492-002 | J38R00492-002 |

## “BM” Series Separated Combustion Parts (BMSF, BMSB, BMSD)

| Unit Size                    | 100            | 125           | 150               | 175               | 200             |
|------------------------------|----------------|---------------|-------------------|-------------------|-----------------|
| Description                  | Part Number    |               |                   |                   |                 |
| Power Vent Assembly          | 262R06389      |               |                   |                   |                 |
| Power Vent Transition Collar | 262R06390      |               |                   |                   |                 |
| Power Vent Housing           | 253R07047-002  |               |                   |                   |                 |
| Power Vent Wheel             | J35R01126-011  |               |                   |                   |                 |
| Pressure Switch              | J11R02877-001  |               |                   |                   |                 |
| Sensor Lead                  | See Footnote 1 |               |                   |                   |                 |
| Pilot Burner Assembly N.G.   | 504R03047-001  | 504R03047-001 | 504R03049-001     | 504R03049-001     | 504R03049-001   |
| Pilot Burner Assembly L.P.   | 504R03047-002  | 504R03047-002 | 504R03049-002     | 504R03049-002     | 504R03049-002   |
| Pilot Tubing                 | 261R04962-003  |               |                   |                   |                 |
| Burner Manifold Assembly     | 503R03039-004  | 503R03039-005 | 503R03039-006     | 503R03039-007     | 503R03039-008   |
| High Limit Switch            | J11R00306-002  | J11R00306-002 | J11R00306-002     | J11R00306-002     | J11R00306-002   |
| Blower Assembly Complete***  | 602R06337-001  | 602R06337-002 |                   | 602R06337-003     |                 |
| Blower Housing Kit           | 602R06328-001  | 602R06328-002 |                   | 602R06328-003     |                 |
| Fan Motor*                   | J31R04091      | J31R04092     | J31R04093-001     | J31R04094-001     | J31R04094-001   |
| Fan Blade*                   | J34R05943      | J34R05944     | J34R05944         | J34R05946         | J34R05946       |
| Pre-Purge Relay              | J11R00366      |               |                   |                   |                 |
| Unit Size                    | 225            | 250           | 300               | 350               | 400             |
| Description                  | Part Number    |               |                   |                   |                 |
| Power Vent Assembly          | 262R06389      |               |                   |                   |                 |
| Power Vent Transition Collar | 262R06390      |               |                   |                   |                 |
| Power Vent Housing           | 253R07047-002  |               |                   |                   |                 |
| Power Vent Wheel             | J35R01126-011  |               |                   |                   | 11J35R00703-014 |
| Pressure Switch              | J11R02877-001  |               |                   |                   | J11R02877-002   |
| Sensor Lead                  | See Footnote 1 |               |                   |                   |                 |
| Pilot Burner Assembly N.G.   | 504R03049-001  | 504R03049-001 | 504R03049-001     | 504R03049-001     | 504R03049-001   |
| Pilot Burner Assembly L.P.   | 504R03049-002  | 504R03049-002 | 504R03049-002     | 504R03049-002     | 504R03049-002   |
| Pilot Tubing                 | 261R04962-003  |               |                   |                   |                 |
| Burner Manifold Assembly     | 503R01938-009  | 503R01938-010 | 503R01938-012     | 503R01938-014     | 503R01938-016   |
| High Limit Switch            | J11R00306-002  | J11R00306-002 | J11R00306-003     | J11R00306-003     | J11R00306-003   |
| Blower Assembly Complete***  | 602R06337-003  |               | 602R06337-004     | 602R06337-005     |                 |
| Blower Housing Kit           | 602R06328-003  |               | 602R06328-002 (2) | 602R06328-003 (2) |                 |
| Fan Motor*                   | J31R04094-001  | J31R04094-001 | J31R04093-001     | J31R04094-001     | J31R04094-001   |
| Fan Blade*                   | J34R05946      | J34R05946     | J34R05944         | J34R05946         | J34R05946       |
| Pre-Purge Relay              | J11R00366      |               |                   |                   |                 |

\*Propeller units only (BMSF).

\*\*\*Blower assembly includes housing kit, wheel, shaft and bearings. For individual wheel, shaft and bearings see page 11.

1. Sensor lead included with pilot burner assembly.

# “BM” Series High Efficiency Power Vent Parts

| Usage      | Unit Size | Part Numbers                  |                 |
|------------|-----------|-------------------------------|-----------------|
|            |           | Power Vent Assembly Complete* | Pressure Switch |
| BMEF, BMEB | 30        | 262R06389                     | J11R02127-003   |
|            | 45        |                               |                 |
|            | 150       |                               |                 |
|            | 175       |                               |                 |
|            | 200       |                               |                 |
|            | 225       |                               |                 |
|            | 250       |                               |                 |
|            | 300       |                               |                 |
| BMEF, BMEB | 60        | 262R06389                     | J11R02127-002   |
|            | 75        |                               |                 |
|            | 100       |                               |                 |
|            | 125       |                               |                 |
|            | 350       |                               |                 |
| BMEF, BMEB | 400       | 262R06389                     | J11R02127-001   |
| BMED, BMES | 100 - 400 | 262R06389                     | J11R02127-001   |

## LEGEND:

BMEB = “BM” Series  
High Efficiency Blower

BMED = “BM” Series  
High Efficiency Duct  
(Bottom Access)

BMES = “BM” Series  
High Efficiency Duct  
(Side Access)

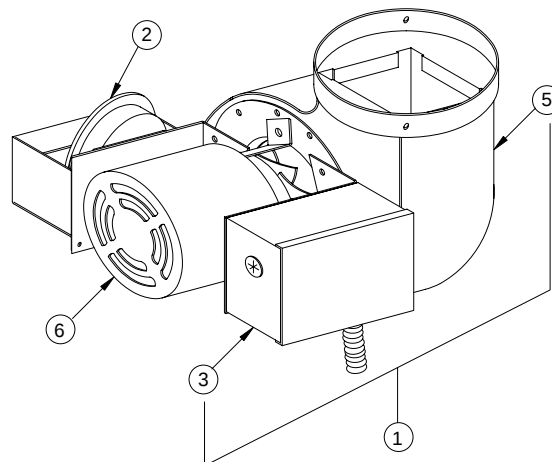
BMEF = “BM” Series  
High Efficiency Prop

\* Contains housing, blower wheel, motor, motor mounting bracket.

\*\* Required in Canada.

| Usage                    | Unit Size | Part Numbers  |                                |
|--------------------------|-----------|---------------|--------------------------------|
|                          |           | Vent Cap**    | Draftor Adapter (To Flue Pipe) |
| BMEF, BMEB<br>BMED, BMES | 30        | J37R02222-001 | J37R02185                      |
|                          | 45        |               |                                |
|                          | 60        |               |                                |
|                          | 75        |               |                                |
|                          | 100       |               |                                |
|                          | 125       |               |                                |
|                          | 150       |               |                                |
|                          | 175       |               |                                |
|                          | 200       | 37R02222-002  | N/A                            |
|                          | 225       |               |                                |
|                          | 250       |               |                                |
|                          | 300       | J37R02222-003 | J37R02186                      |
|                          | 350       |               |                                |
|                          | 400       |               |                                |

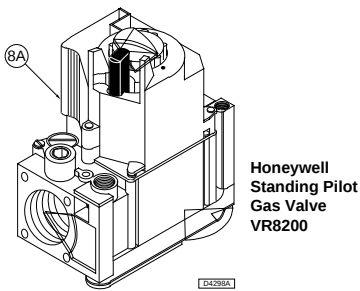
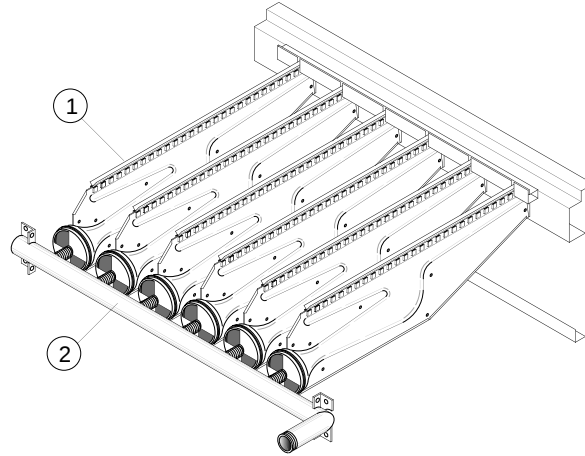
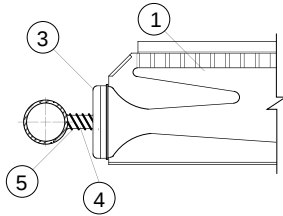
1. Power Vent Assembly Complete
2. Pressure Switch
3. Relay
4. Power Vent Wheel
5. Power Vent Housing
6. Power Vent Motor



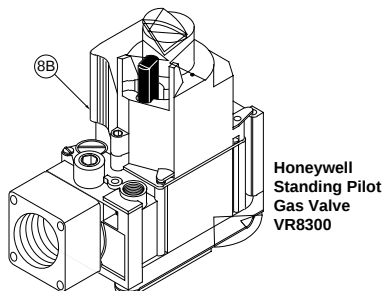
| Common Parts                 | Part Numbers  |
|------------------------------|---------------|
| Relay 24 Volt                | J10R03410     |
| Power Vent Housing           | 253R07047-002 |
| Power Vent Wheel             | J35R01126-011 |
| Power Vent Motor             | J31R01125     |
| Power Vent Transition Collar | 262R06390     |

IMPORTANT: When ordering parts, please provide model and serial number.

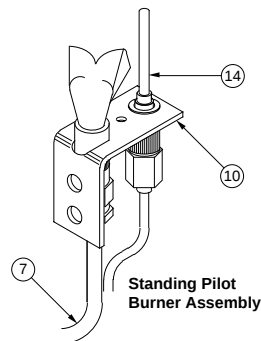
# “BM” Series Common and Standing Pilot Parts



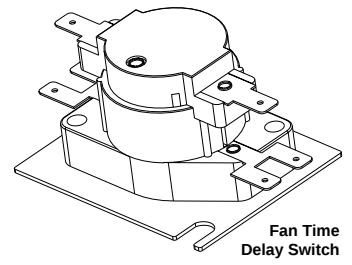
Honeywell  
Standing Pilot  
Gas Valve  
VR8200



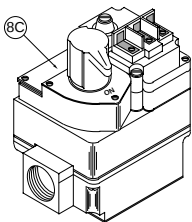
Honeywell  
Standing Pilot  
Gas Valve  
VR8300



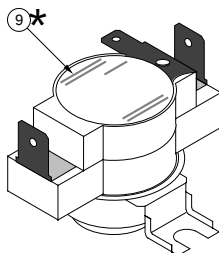
Standing Pilot  
Burner Assembly



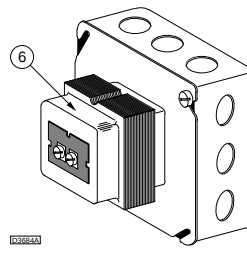
Fan Time  
Delay Switch



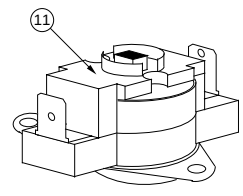
White Rodgers Standing Pilot Gas Valve  
36C



Hi Limit



Transformer



Blocked Vent (Spill) Switch

## “BM” Series Common and Standing Pilot Parts

| Item No. | Description                                        | Unit Size | 30            | 45            | 60            |
|----------|----------------------------------------------------|-----------|---------------|---------------|---------------|
|          |                                                    |           | Part Number   |               |               |
| 8A,8B,8C | Main Gas Valve Natural Gas                         |           | J28R02098-002 |               |               |
| 8A,8B,8C | Main Gas Valve L.P. Gas                            |           | J28R02098-001 |               |               |
| 10       | Pilot Burner Natural Gas                           |           | J38R00291-001 |               |               |
| 10       | Pilot Burner L.P. Gas                              |           | J38R00291-002 |               |               |
| 7        | Pilot Tubing                                       |           | 257R04945-001 |               |               |
| 14       | Thermocouple                                       |           | J11R00292     |               |               |
| 1        | Main Burner Set Aluminized Steel                   |           | 502R00118-030 | 502R00118-045 | 502R00118-060 |
| 1        | Main Burner Set 409 Stainless Steel                |           | N/A           |               |               |
| N/S      | Burner Orifice Set (L.P. Gas)                      |           | 503R00057-030 | 503R00057-045 | 503R00057-060 |
| N/S      | Burner Orifice Set (Natural Gas)                   |           | 503R00049-030 | 503R00049-045 | 503R00049-060 |
| 4        | Burner Spring Set                                  |           | 502R01961-002 | 502R01961-003 | 502R01961-004 |
| 3        | Air Shutter Set                                    |           | 502R01946-902 | 502R01946-903 | 502R01946-904 |
| 2        | Manifold                                           |           | 503R00347-030 | 503R00347-045 | 503R00347-060 |
| 9        | High Limit (Propeller and Blower Only)*            |           | J11R00306-001 |               |               |
| 9        | High Limit (Duct Only)*                            |           | N/A           |               |               |
| N/S      | Fan Time Delay (Inside Junction Box)**             |           | J11R00366     |               |               |
| 6        | Transformer (115/24 20 VA)                         |           | J14R03075     |               |               |
| N/S      | E.C.O. (Natural Gas Valve)                         |           | N/A           |               |               |
| 11       | Blocked Vent Switch<br>(Propeller and Blower Only) |           | J11R02833-001 |               |               |
| 11       | Blocked Vent Switch (Duct Only)                    |           | N/A           |               |               |
|          | No. Of Burners Per Unit                            |           | 2             | 3             | 4             |

| Item No. | Description                                        | Unit Size | 75            | 100           | 125           |
|----------|----------------------------------------------------|-----------|---------------|---------------|---------------|
|          |                                                    |           | Part Number   |               |               |
| 8A,8B,8C | Main Gas Valve Natural Gas                         |           | J28R02098-002 |               |               |
| 8A,8B,8C | Main Gas Valve L.P. Gas                            |           | J28R02098-001 |               |               |
| 10       | Pilot Burner Natural Gas                           |           | J38R00291-001 |               |               |
| 10       | Pilot Burner L.P. Gas                              |           | J38R00291-002 |               |               |
| 7        | Pilot Tubing                                       |           | 257R04945-001 |               |               |
| 14       | Thermocouple                                       |           | J11R00292     |               |               |
| 1        | Main Burner Set Aluminized Steel                   |           | 502R00118-075 | 502R01654-804 | 502R01654-805 |
| 1        | Main Burner Set 409 Stainless Steel                |           | N/A           | 502R01654-904 | 502R01654-905 |
| N/S      | Burner Orifice Set (L.P. Gas)                      |           | 503R00057-075 | 503R00054-004 | 503R00054-005 |
| N/S      | Burner Orifice Set (Natural Gas)                   |           | 503R00049-075 | 503R00042-004 | 503R00042-005 |
| 4        | Burner Spring Set                                  |           | 502R01961-005 | 502R01961-004 | 502R01961-005 |
| 3        | Air Shutter Set                                    |           | 502R01946-905 | 502R01946-904 | 502R01946-905 |
| 2        | Manifold                                           |           | 503R00347-075 | 503R01936-004 | 503R01936-005 |
| 9        | High Limit (Propeller and Blower Only)*            |           | J11R00306-001 | J11R00306-002 |               |
| 9        | High Limit (Duct Only)*                            |           | N/A           | J11R02682     |               |
| N/S      | Fan Time Delay (Inside Junction Box)               |           | J11R00366     |               |               |
| 6        | Transformer (115/24 20 VA)                         |           | J14R03075     |               |               |
| N/S      | E.C.O. (Natural Gas Valve)                         |           | N/A           |               |               |
| 11       | Blocked Vent Switch<br>(Propeller and Blower Only) |           | J11R02833-003 | J11R02833-002 |               |
| 11       | Blocked Vent Switch (Duct Only)                    |           | N/A           | J11R02833-003 |               |
|          | No. Of Burners Per Unit                            |           | 5             | 4             | 5             |

\* Located on the bottom rear header plate of the heat exchanger.

Refer to page 20 for item number.

N/S = Not Shown.

**IMPORTANT:** When ordering parts, please provide model and serial number.

## “BM” Series Common and Standing Pilot Parts *continued*

| Item No. | Description                                        | Unit Size   | 150           | 175           | 200           | 225           |
|----------|----------------------------------------------------|-------------|---------------|---------------|---------------|---------------|
|          |                                                    | Part Number |               |               |               |               |
| 8A,8B,8C | Main Gas Valve Natural Gas                         |             | J28R02098-002 |               | J28R03068-001 | J28R03068-002 |
| 8A,8B,8C | Main Gas Valve L.P. Gas                            |             | J28R02098-001 |               |               |               |
| 10       | Pilot Burner Natural Gas                           |             | J38R00291-001 |               |               |               |
| 10       | Pilot Burner L.P. Gas                              |             | J38R00291-002 |               |               |               |
| 7        | Pilot Tubing                                       |             | 257R04945-001 |               |               |               |
| 14       | Thermocouple                                       |             | J11R00292     |               |               |               |
| 1        | Main Burner Set Aluminized Steel                   |             | 502R01654-806 | 502R01654-807 | 502R01654-808 | 502R01654-809 |
| 1        | Main Burner Set 409 Stainless Steel                |             | 502R01654-906 | 502R01654-907 | 502R01654-908 | 502R01654-909 |
| N/S      | Burner Orifice Set (L.P. Gas)                      |             | 503R00054-006 | 503R00054-007 | 503R00054-008 | 503R00054-009 |
| N/S      | Burner Orifice Set (Natural Gas)                   |             | 503R00042-006 | 503R00042-007 | 503R00042-008 | 503R00042-009 |
| 4        | Burner Spring Set                                  |             | 502R01961-006 | 502R01961-007 | 502R01961-008 | 502R01961-009 |
| 3        | Air Shutter Set                                    |             | 502R01946-906 | 502R01946-907 | 502R01946-908 | 502R01946-909 |
| 2        | Manifold                                           |             | 503R01936-006 | 503R01936-007 | 503R01936-008 | 503R01938-009 |
| 9        | High Limit (Propeller and Blower Only)*            |             | J11R00306-002 |               |               |               |
| 9        | High Limit (Duct Only)*                            |             | J11R02682     |               |               |               |
| N/S      | Fan Time Delay (Inside Junction Box)**             |             | J11R00366     |               |               |               |
| 6        | Transformer (115/24 20 VA)                         |             | J14R03075     |               |               |               |
| N/S      | E.C.O. (Natural Gas Valve)                         |             | N/A           |               |               |               |
| 11       | Blocked Vent Switch<br>(Propeller and Blower Only) |             | J11R02833-002 |               |               |               |
| 11       | Blocked Vent Switch (Duct Only)                    |             | J11R02833-003 |               |               |               |
|          | No. Of Burners Per Unit                            |             | 6             | 7             | 8             | 9             |

| Item No. | Description                                        | Unit Size   | 250           | 300           | 350           | 400           |
|----------|----------------------------------------------------|-------------|---------------|---------------|---------------|---------------|
|          |                                                    | Part Number |               |               |               |               |
| 8A,8B,8C | Main Gas Valve Natural Gas                         |             | J28R03068-002 | J28R00381-002 |               |               |
| 8A,8B,8C | Main Gas Valve L.P. Gas                            |             | J28R02098-001 | J28R03068-003 |               | J28R00382-001 |
| 10       | Pilot Burner Natural Gas                           |             | J38R00291-001 |               |               |               |
| 10       | Pilot Burner L.P. Gas                              |             | J38R00291-002 |               |               |               |
| 7        | Pilot Tubing                                       |             | 257R04945-001 |               |               |               |
| 14       | Thermocouple                                       |             | J11R00292     |               |               |               |
| 1        | Main Burner Set Aluminized Steel                   |             | 502R01654-810 | 502R01654-812 | 502R01654-814 | 502R01654-816 |
| 1        | Main Burner Set 409 Stainless Steel                |             | 502R01654-910 | 502R01654-912 | 502R01654-914 | 502R01654-916 |
| N/S      | Burner Orifice Set (L.P. Gas)                      |             | 503R00054-010 | 503R00054-012 | 503R00054-014 | 503R00054-016 |
| N/S      | Burner Orifice Set (Natural Gas)                   |             | 503R00042-010 | 503R00042-012 | 503R00042-014 | 503R00042-016 |
| 4        | Burner Spring Set                                  |             | 502R01961-010 | 502R01961-012 | 502R01961-014 | 502R01961-016 |
| 3        | Air Shutter Set                                    |             | 502R01946-910 | 502R01946-912 | 502R01946-914 | 502R01946-916 |
| 2        | Manifold                                           |             | 503R01938-010 | 503R01938-012 | 503R01938-014 | 503R01938-016 |
| 9        | High Limit (Propeller and Blower Only)*            |             | J11R00306-002 |               |               |               |
| 9        | High Limit (Duct Only)*                            |             | J11R02682     |               |               |               |
| N/S      | Fan Time Delay (Inside Junction Box)               |             | J11R00366     |               |               |               |
| 6        | Transformer (115/24 20 VA)                         |             | J14R03075     |               |               |               |
| N/S      | E.C.O. (Natural Gas Valve)                         |             | J11R00775     |               |               |               |
| 11       | Blocked Vent Switch<br>(Propeller and Blower Only) |             | J11R02833-002 |               |               |               |
| 11       | Blocked Vent Switch (Duct Only)                    |             | J11R02833-003 |               |               |               |
|          | No. Of Burners Per Unit                            |             | 10            | 12            | 14            | 16            |

\* Located on the bottom rear header plate of the heat exchanger.

N/S = Not Shown.

# “BM” Series Electronic Ignition Parts

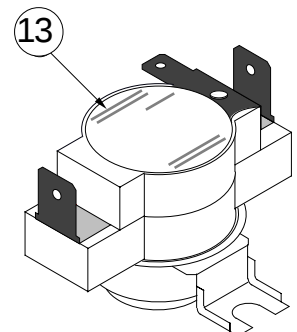
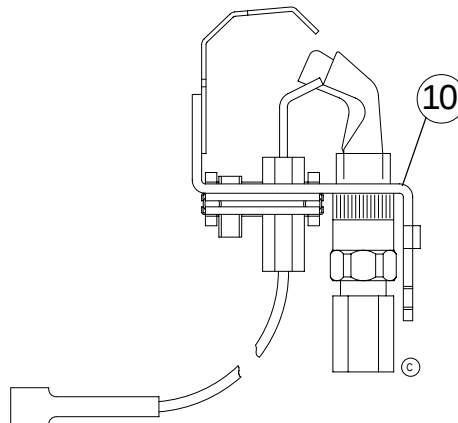
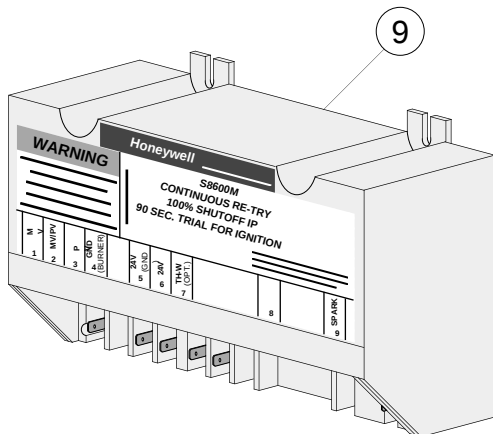
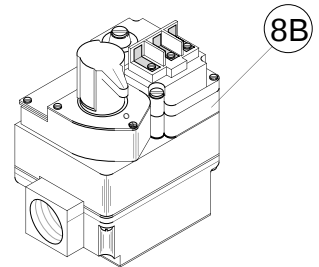
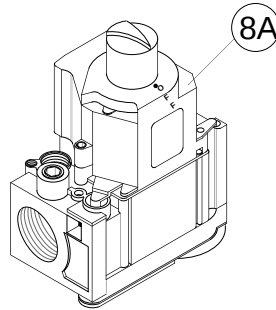
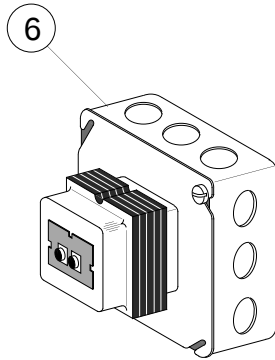
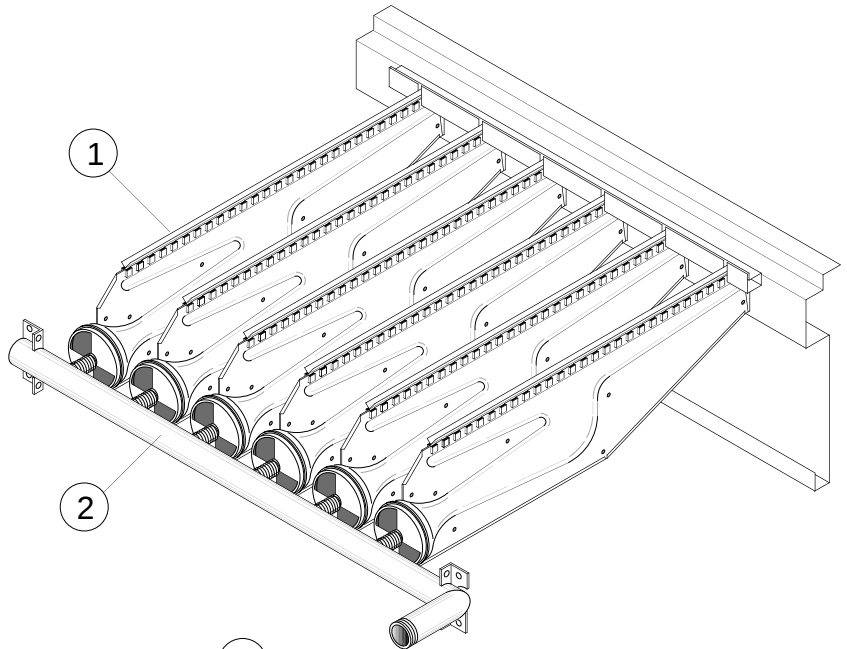
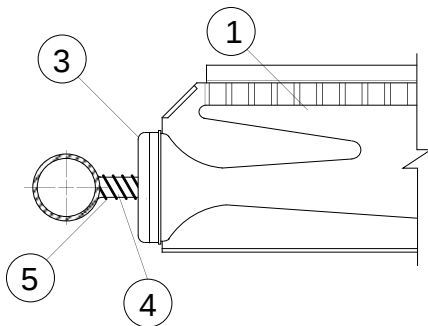
## AUTO SPARK PARTS

### FIGURE

| NO. | DESCRIPTION                  |
|-----|------------------------------|
| 1.  | MAIN BURNERS                 |
| 2.  | MANIFOLD                     |
| 3.  | AIR SHUTTERS                 |
| 4.  | BURNER SPRINGS               |
| 5.  | MAIN BURNER ORIFICE          |
| 6.  | TRANSFORMER, 115/24V (40 VA) |
| 7.  | PILOT TUBING                 |

### FIGURE

| NO. | DESCRIPTION                               |
|-----|-------------------------------------------|
| 8A. | MAIN GAS VALVE<br>HONEYWELL VR8204/VR8304 |
| 8B. | MAIN GAS VALVE<br>WHITE RODGERS 36C68     |
| 9.  | HONEYWELL S8600M IGNITOR                  |
| 10. | HONEYWELL PILOT BURNER                    |
| 13. | HI-LIMIT***                               |



“BM” Series Electronic Ignition Parts

| Item No.    | Description                              | Unit Size | 30            | 45 | 60 | 75 | 100 | 125           | 150 |
|-------------|------------------------------------------|-----------|---------------|----|----|----|-----|---------------|-----|
| Part Number |                                          |           |               |    |    |    |     |               |     |
| 8A          | Gas Valve Auto Spark, Natural Gas (H.W.) |           | J28R02080-001 |    |    |    |     | J28R02080-001 |     |
| 8B          | Gas Valve Auto Spark, Natural Gas (W.R.) |           | N/A           |    |    |    |     | N/A           |     |
| 8A          | GAS Valve Auto Spark LP Gas (Honeywell)  |           | J28R02080-005 |    |    |    |     | J28R02080-005 |     |
| 9           | S8600F Ignitor NaturalGas (Honeywell)    |           | J28R02715     |    |    |    |     | J28R02715     |     |
| 9           | S8600M Ignitor LP Gas (Honeywell)        |           | J28R02722     |    |    |    |     | J28R02722     |     |
| N/S         | Cable Adaptor (S86 to S8600 Ignitor)     |           | N/A           |    |    |    |     | J28R05077     |     |
| N/S         | Q53 Pilot Burner w/Electric, Natural Gas |           | J38R00478-001 |    |    |    |     | N/A           |     |
| N/S         | Q53 Pilot Burner w/Electric, LP Gas      |           | J38R00478-002 |    |    |    |     | N/A           |     |
| N/S         | Q53 Sensor Probe, Natural & LP Gas       |           | J38R00480     |    |    |    |     | N/A           |     |
| N/S         | Q53 Sensor Lead, Natural & LP Gas        |           | J09R00844     |    |    |    |     | N/A           |     |
| 10          | Honeywell Pilot Burner, Natural Gas      |           | J38R04578-001 |    |    |    |     | J38R04578-001 |     |
| 10          | Honeywell Pilot Burner, LP Gas           |           | J38R04578-002 |    |    |    |     | J38R04578-002 |     |
| 12          | Honeywell S8600 Ignitor Cable            |           | J38R02848-001 |    |    |    |     | J38R02848-001 |     |
| 7           | Pilot Tubing Auto Spark                  |           | 257R04945-001 |    |    |    |     | 257R04945-001 |     |
| 6           | Transformer, 115/24, 40 VA               |           | J14R03076     |    |    |    |     | J14R03076     |     |
| N/S         | S8600 Series Ignitor Bracket             |           | 252R01882     |    |    |    |     | 252R01882     |     |

\* Use with Johnson control ignitor.  
N/S = Not Shown.

| Item No.    | Description                              | Unit Size | 175           | 200           | 225           | 250 | 300           | 350           | 400 |
|-------------|------------------------------------------|-----------|---------------|---------------|---------------|-----|---------------|---------------|-----|
| Part Number |                                          |           |               |               |               |     |               |               |     |
| 8A          | Gas Valve Auto Spark, Natural Gas (H.W.) |           | J28R02080-001 | J28R03069-001 | J28R03069-003 |     |               | N/A           |     |
| 8B          | Gas Valve Auto Spark, Natural Gas (W.R.) |           |               | N/A           |               |     |               | J28R00742     |     |
| 8A          | GAS Valve Auto Spark LP Gas (Honeywell)  |           |               | J28R02080-005 |               |     | J28R02080-005 | J28R03069-002 |     |
| 9           | S8600F Ignitor NaturalGas (Honeywell)    |           |               | J28R02715     |               |     |               | J28R02715     |     |
| 9           | S8600M Ignitor LP Gas (Honeywell)        |           |               | J28R02722     |               |     |               | J28R02722     |     |
| N/S         | Cable Adaptor (S86 to S8600 Ignitor)     |           |               | J28R05077     |               |     |               | J28R05077     |     |
| N/S         | Q53 Pilot Burner w/Electric, Natural Gas |           |               | N/A           |               |     |               | N/A           |     |
| N/S         | Q53 Pilot Burner w/Electric, LP Gas      |           |               | N/A           |               |     |               | N/A           |     |
| N/S         | Q53 Sensor Probe, Natural & LP Gas       |           |               | N/A           |               |     |               | N/A           |     |
| N/S         | Q53 Sensor Lead, Natural & LP Gas        |           |               | N/A           |               |     |               | N/A           |     |
| 10          | Honeywell Pilot Burner, Natural Gas      |           |               | J38R04578-001 |               |     |               | J38R04578-001 |     |
| 10          | Honeywell Pilot Burner, LP Gas           |           |               | J38R04578-002 |               |     |               | J38R04578-002 |     |
| 12          | Honeywell S8600 Ignitor Cable            |           |               | J38R02848-001 |               |     |               | J38R02848-001 |     |
| 7           | Pilot Tubing Auto Spark                  |           |               | 257R04945-001 |               |     |               | 257R04945-001 |     |
| 6           | Transformer, 115/24, 40 VA               |           |               | J14R03076     |               |     |               | J14R03076     |     |
| N/S         | S8600 Series Ignitor Bracket             |           |               | 252R01882     |               |     |               | 252R01882     |     |

\* Use with Johnson control ignitor.  
N/S = Not Shown.

IMPORTANT: When ordering parts, please provide model and serial number.

# “BM” Series Conversion Kits

## FOR STANDING PILOT UNITS ONLY

| Converting From<br>Natural to LP Gas |              | Converting From<br>LP to Natural Gas |              |
|--------------------------------------|--------------|--------------------------------------|--------------|
| Unit Size                            | Part Numbers | Unit Size                            | Part Numbers |
| 30                                   | 261R05024    | 30                                   | 261R05025    |
| 45                                   |              | 45                                   |              |
| 60                                   |              | 60                                   |              |
| 75                                   |              | 75                                   |              |
| 100                                  | 261R06045    | 100                                  | 261R06047    |
| 125                                  |              | 125                                  |              |
| 150                                  |              | 150                                  |              |
| 175                                  |              | 175                                  |              |
| 200                                  |              | 200                                  | 261R06048    |
| 225                                  | 261R06046    | 225                                  | 261R06049    |
| 250                                  |              | 250                                  |              |
| 300                                  |              | 300                                  |              |
| 350                                  |              | 350                                  |              |
| 400                                  |              | 400                                  | 261R06050    |

## FOR AUTOMATIC SPARK IGNITION UNITS

| Converting From<br>Natural to LP Gas |              | Converting From<br>LP to Natural Gas |              |
|--------------------------------------|--------------|--------------------------------------|--------------|
| Unit Size                            | Part Numbers | Unit Size                            | Part Numbers |
| 30                                   | 261R06376    | 30                                   | 261R05078    |
| 45                                   |              | 45                                   |              |
| 60                                   |              | 60                                   |              |
| 75                                   |              | 75                                   |              |
| 100                                  | 261R0377*    | 100                                  | 261R04975    |
| 125                                  |              | 125                                  |              |
| 150                                  |              | 150                                  |              |
| 175                                  |              | 175                                  |              |
| 200                                  |              | 200                                  | 261R04976    |
| 225                                  |              | 225                                  | 261R04977    |
| 250                                  |              | 250                                  |              |
| 300                                  |              | 300                                  |              |
| 350                                  | 261R06378**  | 350                                  | 261R04978    |
| 400                                  |              | 400                                  |              |
| 300                                  |              |                                      |              |

\* For units with Honeywell valve.

\*\* For units with White-Rodgers valve.

# “BM” Series Transformers – Thermostats

| Description                                                                                                  | Part Number     |
|--------------------------------------------------------------------------------------------------------------|-----------------|
| 115/24, 20VA Transformer                                                                                     | 11J14R03075     |
| 115/24, 40VA Transformer                                                                                     | 11J14R03076     |
| 208/24, 50VA Transformer                                                                                     | 11J14R02843-002 |
| 230/24, 50VA Transformer                                                                                     | 11J14R02843-002 |
| 460/24, 50VA Transformer                                                                                     | 11J14R02842-003 |
| 208/115, 500 VA Transformer (Step Down)                                                                      | 11J14R05241-001 |
| 230/115, 500VA Transformer (Step Down)                                                                       | 11J14R02832-002 |
| 460/115, 500VA Transformer (Step Down)                                                                       | 11J14R02832-002 |
| 575/115, 500VA Transformer (Step Down)                                                                       | 11J14R02832-006 |
| T822D-1008, 24V Thermostat<br>w/Mercury Operated Switch<br>and Adjustable Heat Anticipator                   | 11J13R00811     |
| T87-1800, 24V Thermostat Deluxe Round<br>w/Mercury 50-100 Operated Switch<br>and Adjustable Heat Anticipator | 11J13R00812     |

| Description                                                                                                         | Part Numbers    |
|---------------------------------------------------------------------------------------------------------------------|-----------------|
| T834H-1009, Low Voltage Room Thermostat<br>w/Integral Switch for Summer/Winter Operation<br>55-95 (w/Sterling Logo) | 11J13R02081     |
| T874F-1007, 2-Stage Thermostat                                                                                      | 11J13R00814     |
| Q674C1009 Subbase for T874A Thermostat                                                                              | 11J13R00813     |
| T6169C, 115V Line Voltage<br>Thermostat w/Subbase                                                                   | 11J13R03362     |
| Q539A-1006 Subbase for T87F-1800 Thermostat                                                                         | 11J13R01384-001 |
| TG500A-1045 Universal Thermostat Guard                                                                              | 11J13R00954     |
| TG503-1000 Metal Guard w/Locking Cover<br>for T-87 Thermostat without Subbase                                       | 11J13R01383     |
| T678A-1353 2-Stage Ductstat 55-175°F                                                                                | 11J13R00815-007 |
| T675A-1417 Single Stage Ductstat 55-175°F                                                                           | 11J13R00815-002 |

## “BM” Series Optional Parts

| Description                                                                                                               | Part Number   |
|---------------------------------------------------------------------------------------------------------------------------|---------------|
| 2-Stage Gas Valve, Spark Ignition<br>Natural Gas 100/200                                                                  | J28R02454-003 |
| 2-Stage Gas Valve, Spark Ignition<br>Natural Gas 225/400                                                                  | J28R02454-002 |
| 2-Stage Gas Valve, Spark Ignition<br>L.P. Gas 100/400                                                                     | J28R02454-001 |
| Mechanical Modulating Valve, 60-100°F<br>Natural Gas 100/300, L.P. Gas 100/400                                            | J28R00809-004 |
| Mechanical Modulating Valve, 60-100°F<br>Natural Gas 350/400                                                              | J28R00809-005 |
| Mechanical Modulating Valve, 75-200 F<br>Natural Gas, L.P. Gas 100/400                                                    | J28R00809-006 |
| 2-Stage High Fire Relay                                                                                                   | J10R03479     |
| Summer Winter Switch                                                                                                      | J11R00544     |
| Adjustable High Limit Switch (Duct Only)                                                                                  | J11R02260     |
| Rockwell 043-182 Pressure Regulator<br>(125 PSI to 7") Natural Gas                                                        | J28R05121     |
| R8225B-1007 Honeywell Relay SPST<br>w/24V Holding Coil to Permit 115V or 230V<br>Drafter to be Operated by 24V Thermostat | J10R00818-003 |
| 115 V Drafter Assembly (will not fit High Efficiency)*                                                                    | 202R00819-101 |
| 208 V Drafter Assembly (will not fit High Efficiency)*                                                                    | 202R00819-102 |
| 230 V Drafter Assembly (will not fit High Efficiency)*                                                                    | 202R00819-103 |
| Drafter Motor Only 115V (will not fit High Efficiency)                                                                    | J31R00900-001 |
| Drafter Motor Only 208V (will not fit High Efficiency)                                                                    | J31R00910-001 |

| Description                                                    | Part Numbers  |
|----------------------------------------------------------------|---------------|
| Drafter Motor Only 230V (will not fit High Efficiency)         | J31R00920-001 |
| Drafter Wheel (will not fit High Efficiency)                   | J35R00703-014 |
| Drafter Housing (will not fit High Efficiency)                 | 507R00820     |
| Drafter Adaptor (Transition Assembly) 30/45                    | 510R02245-002 |
| Drafter Adaptor (Transition Assembly) 60/75                    | 510R02245-003 |
| Drafter Adaptor (Transition Assembly) 100                      | 510R02245-004 |
| Drafter Adaptor (Transition Assembly) 125                      | 510R02245-005 |
| Drafter Adaptor (Transition Assembly) 150                      | 510R02245-006 |
| Drafter Adaptor (Transition Assembly) 175                      | 510R02245-007 |
| Drafter Adaptor (Transition Assembly) 200                      | 510R02245-008 |
| Drafter Adaptor (Transition Assembly) 225                      | 510R02245-009 |
| Drafter Adaptor (Transition Assembly) 250                      | 510R02245-010 |
| Drafter Adaptor (Transition Assembly) 300/350                  | 510R02443-012 |
| Drafter Adaptor (Transition Assembly) 400                      | 510R02443-016 |
| Vent Cap 4"                                                    | J37R02222-001 |
| Vent Cap 5"                                                    | J37R02222-002 |
| Vent Cap 6"                                                    | J37R02222-003 |
| Adaptors 4" to 5"                                              | J37R02185     |
| Adaptors 5" to 6"                                              | J37R02186     |
| 4 to 2 Point Adapter Hanger Kit<br>(Propeller 100 to 400 Only) | 252R02178     |
| Touch Up Paint, 12 Oz. Spray Can<br>(Specify Color)            | 512R01395-001 |
| Touch Up Paint, 1 Gallon<br>(Specify Color)                    | 512R01395-002 |

# “BM” Series Draftor Kits

| Usage                        | Size    | Part Number |
|------------------------------|---------|-------------|
| <b>115 Volt Draftor Kit*</b> |         |             |
| BMF, BMB, BMD, BMS           | 30/45   | ASRM1-030   |
|                              | 60/75   | ASRM1-060   |
|                              | 100     | ASRM1-100   |
|                              | 125     | ASRM1-125   |
|                              | 150     | ASRM1-150   |
|                              | 175     | ASRM1-175   |
|                              | 200     | ASRM1-200   |
|                              | 225     | ASRM1-225   |
|                              | 250     | ASRM1-250   |
|                              | 300/350 | ASRM1-300   |
|                              | 400     | ASRM1-400   |
| <b>208 Volt Draftor Kit*</b> |         |             |
| BMF, BMB, BMD, BMS           | 30/45   | ASRM12-030  |
|                              | 60/75   | ASRM12-060  |
|                              | 100     | ASRM12-100  |
|                              | 125     | ASRM12-125  |
|                              | 150     | ASRM12-150  |
|                              | 175     | ASRM12-175  |
|                              | 200     | ASRM12-200  |
|                              | 225     | ASRM12-225  |
|                              | 250     | ASRM12-250  |
|                              | 300/350 | ASRM12-300  |
|                              | 400     | ASRM12-400  |
| <b>230 Volt Draftor Kit*</b> |         |             |
| BMF, BMB, BMD, BMS           | 30/45   | ASRM13-030  |
|                              | 60/75   | ASRM13-060  |
|                              | 100     | ASRM13-100  |
|                              | 125     | ASRM13-125  |
|                              | 150     | ASRM13-150  |
|                              | 175     | ASRM13-175  |
|                              | 200     | ASRM13-200  |
|                              | 225     | ASRM13-225  |
|                              | 250     | ASRM13-250  |
|                              | 300/350 | ASRM13-300  |
|                              | 400     | ASRM13-400  |

## LEGEND:

BMF = “BM” Series Prop  
 BMB = “BM” Series Blower  
 BMD = “BM” Series Duct (Bottom Access)  
 BMS = “BM” Series Duct (Side Access)

\* Kit contains draftor assembly,  
 transition assembly and relay.

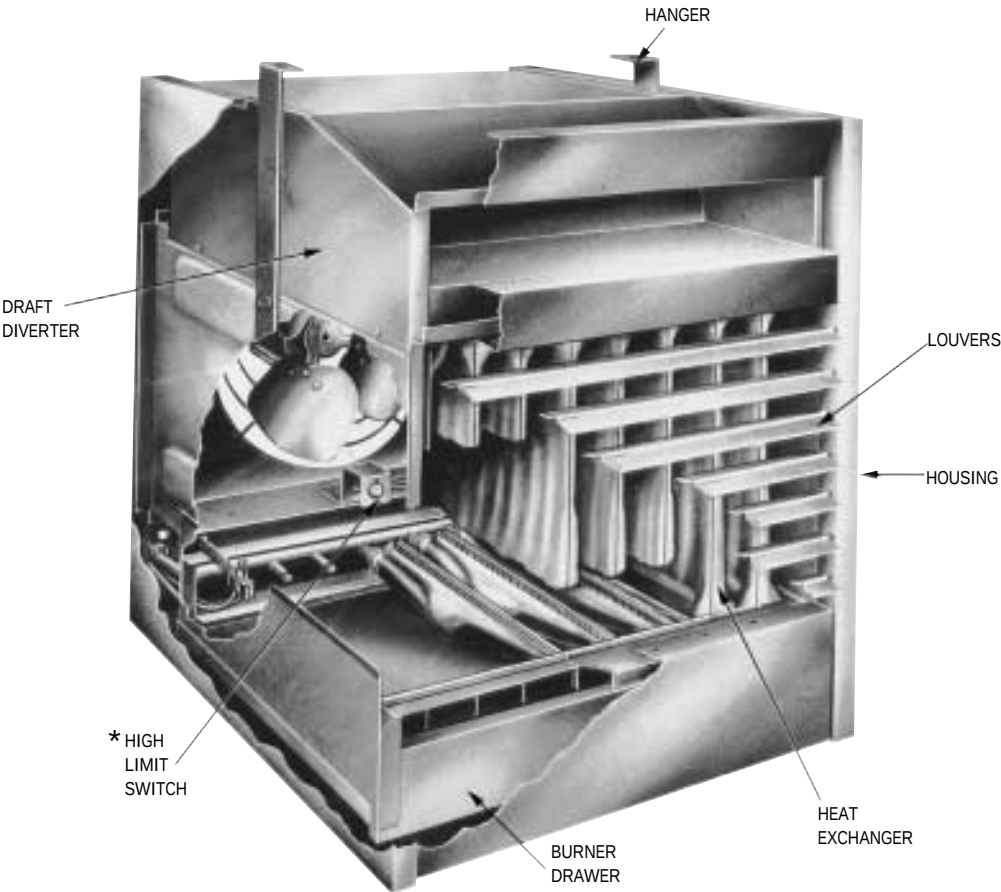
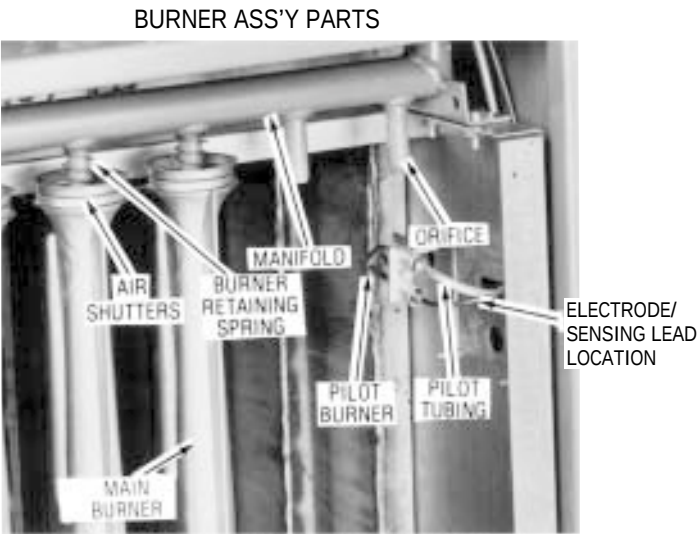
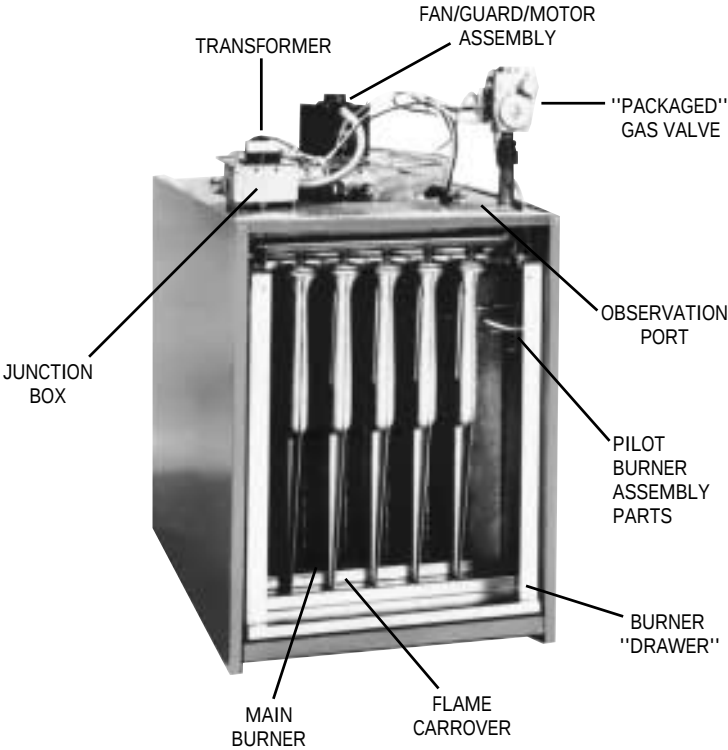
To order individual draftor parts see page 27.

# “BM” Series Field Installed Accessories

| Usage                                  | Size    | Part Number |
|----------------------------------------|---------|-------------|
| <b><i>Y-Splitter Nozzle</i></b>        |         |             |
| BMF, BMB,<br>BMEF, BMEB,<br>BMSF, BMSB | 100     | ASRQ1-100   |
|                                        | 125/150 | ASRQ1-125   |
|                                        | 175     | ASRQ1-175   |
|                                        | 200     | ASRQ1-200   |
|                                        | 225     | ASRQ1-225   |
|                                        | 250     | ASRQ1-250   |
|                                        | 300     | ASRQ1-300   |
|                                        | 350     | ASRQ1-350   |
|                                        | 400     | ASRQ1-400   |
| <b><i>30 Degree Nozzle</i></b>         |         |             |
| BMF, BMB,<br>BMEF, BMEB,<br>BMSF, BMSB | 100     | ASRQ2-100   |
|                                        | 125/150 | ASRQ2-125   |
|                                        | 175     | ASRQ2-175   |
|                                        | 200     | ASRQ2-200   |
|                                        | 225     | ASRQ2-225   |
|                                        | 250     | ASRQ2-250   |
|                                        | 300     | ASRQ2-300   |
|                                        | 350     | ASRQ2-350   |
|                                        | 400     | ASRQ2-400   |
| <b><i>60 Degree Nozzle</i></b>         |         |             |
| BMF, BMB,<br>BMEF, BMEB,<br>BMSF, BMSB | 100     | ASRQ3-100   |
|                                        | 125/150 | ASRQ3-125   |
|                                        | 175     | ASRQ3-175   |
|                                        | 200     | ASRQ3-200   |
|                                        | 225     | ASRQ3-225   |
|                                        | 250     | ASRQ3-250   |
|                                        | 300     | ASRQ3-300   |
|                                        | 350     | ASRQ3-350   |
|                                        | 400     | ASRQ3-400   |
| <b><i>90 Degree Nozzle</i></b>         |         |             |
| BMF, BMB,<br>BMEF, BMEB,<br>BMSF, BMSB | 100     | ASRQ4-100   |
|                                        | 125/150 | ASRQ4-125   |
|                                        | 175     | ASRQ4-175   |
|                                        | 200     | ASRQ4-200   |
|                                        | 225     | ASRQ4-225   |
|                                        | 250     | ASRQ4-250   |
|                                        | 300     | ASRQ4-300   |
|                                        | 350     | ASRQ4-350   |
|                                        | 400     | ASRQ4-400   |
| <b><i>Polytube Adapter</i></b>         |         |             |
| BMB, BMEB, BMSB                        | 150     | ASRQ5-150   |
|                                        | 175     | ASRQ5-175   |
|                                        | 200     | ASRQ5-200   |
|                                        | 225     | ASRQ5-225   |
|                                        | 250     | ASRQ5-250   |
|                                        | 300     | ASRQ5-300   |
|                                        | 350     | ASRQ5-350   |
|                                        | 400     | ASRQ5-400   |

| Usage                                         | Size       | Part Number |
|-----------------------------------------------|------------|-------------|
| <b><i>Vertical Louvers</i></b>                |            |             |
| BMF, BMB,<br>BMEF, BMEB,<br>BMSF, BMSB        | 30         | ASRQ6-030   |
|                                               | 45         | ASRQ6-045   |
|                                               | 60         | ASRQ6-060   |
|                                               | 75         | ASRQ6-075   |
|                                               | 100        | ASRQ6-100   |
|                                               | 125        | ASRQ6-125   |
|                                               | 150        | ASRQ6-150   |
|                                               | 175        | ASRQ6-175   |
|                                               | 200        | ASRQ6-200   |
|                                               | 225        | ASRQ6-225   |
|                                               | 250        | ASRQ6-250   |
|                                               | 300        | ASRQ6-300   |
|                                               | 350        | ASRQ6-350   |
|                                               | 400        | ASRQ6-400   |
| <b><i>Horizontal and Vertical Louvers</i></b> |            |             |
| BMD, BMS, BMED,<br>BMES, BMSD                 | 100        | ASRQ7-100   |
|                                               | 125        | ASRQ7-125   |
|                                               | 150        | ASRQ7-150   |
|                                               | 175        | ASRQ7-175   |
|                                               | 200        | ASRQ7-200   |
|                                               | 225        | ASRQ7-225   |
|                                               | 250        | ASRQ7-250   |
|                                               | 300        | ASRQ7-300   |
|                                               | 350        | ASRQ7-350   |
|                                               | 400        | ASRQ7-400   |
| <b><i>409 Stainless Steel Drip Pan</i></b>    |            |             |
| BMD, BMS, BMED,<br>BMES                       | 100        | ASR54-100   |
|                                               | 125/150    | ASR54-125   |
|                                               | 175        | ASR54-175   |
|                                               | 200        | ASR54-200   |
|                                               | 225        | ASR54-225   |
|                                               | 250        | ASR54-250   |
|                                               | 300        | ASR54-300   |
|                                               | 350        | ASR54-350   |
|                                               | 400        | ASR54-400   |
| <b><i>Concentric Vent Kits</i></b>            |            |             |
| BMSF, BMSB,                                   | Vertical   | ASRM4       |
| BMSD                                          | Horizontal | ARSM5       |

# Component Identification Guide



\*This location may vary.

# Terms

**ALL SHIPMENTS ARE F.O.B. FARMVILLE, N.C. 27828**

**FREIGHT ROUTING SHALL BE AT THE DISCRETION OF THE SHIPPER**

**PRICES:** Published trade prices in effect at time of receipt of order at our office are firm provided the complete order is released for fabrication and shipment within 6 months from date of receipt of written order at the factory. Releases for shipment after 6 months will be billed on the basis of trade prices in effect at time of release.

No obligation is assumed by this Corporation to sell, to anyone holding this book, any of the items listed herein at the prices stated.

**TERMS:** Net 30 Days.

Prepaid freight or cartage charges paid by us and added to invoice are not subject to cash discount.

**TAXES:** The prices listed herein exclude Federal, State, or Municipal Tax applicable to the transaction. Such taxes, where applicable to the transaction should be paid directly to the governing authority by the Purchaser.

**CLAIMS:** As all goods are shipped at buyer's risk they should be examined carefully before signing transportation delivery receipts. If transportation company tenders delivery of goods in bad order, buyer should insist on transportation agent making notation of conditions on delivery receipt and request an inspection within 48 hours, thus enabling buyer to secure prompt payment of transportation claims filed by him for value of damaged material.

The responsibility of this company ceases upon delivery of goods in order to transportation companies. All orders are accepted subject to delays on account of government requirements, strikes, accidents or other causes beyond our control.

**MINIMUM ORDERS:** Orders with an invoice value of less than \$35.00 will be invoiced at \$35.00.

**RETURNED GOODS:** Goods must not be returned except by written permission from the factory, and when so returned will be accepted only as stated in the following conditions:

1. Special material is not subject to return.
2. All transportation charges for returned goods must be prepaid by shipper.
3. Standard catalogued products may be returned upon written permission. After inspection at the factory, if they are found to be in good condition they will be accepted for credit, subject to a 25% handling charge.
4. No goods will be accepted for return more than 90 days after shipment.

**CHANGES TO A RELEASED ORDER** – Work commences on release of an order, therefore, an order that is changed will be subject to additional charges for any extra time and material expended.

## LIMITED WARRANTY

The product described in this catalog are warranted by Beacon Morris, A Mestek Co. to be free from defects in material and workmanship for a period of one (1) year from the date of shipment from Beacon Morris' plant.

Beacon Morris will repair or replace, at its option, any components which, upon inspection, it finds to be defective, provided that the unit has been operated within its listed capacity, has been installed in accordance with the furnished instructions, has not been misused or subject to negligence and has received reasonable and necessary maintenance. This warranty does not cover labor costs or other cost incurred in repairing, removing, installing, servicing or handling of parts or complete products.

Beacon Morris will in no event be liable for incidental or consequential damages of any kind whatsoever.

The buyer must request written permission from Beacon Morris to return defective components and then must send them with all transportation charges prepaid to the plant designated in the written permission.

This warranty is extended only to the original purchaser from Beacon Morris.









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