



## Replacement Parts List

### PARTS & SERVICE DEPARTMENT

Nashville, Tennessee

877-554-5544 • Fax: 615-882-2918

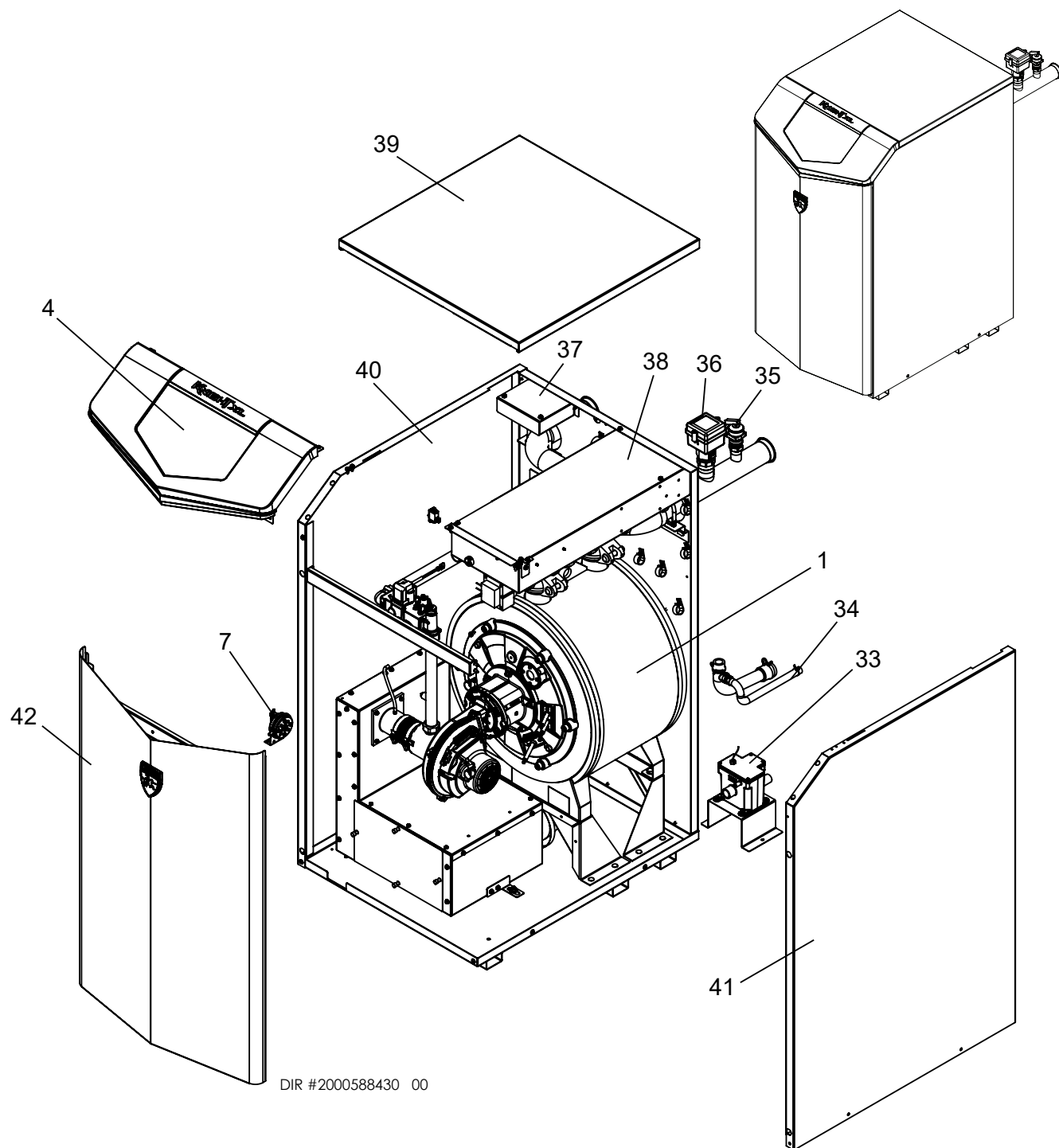
parts\_team@lochinvar.com

www.Lochinvar.com

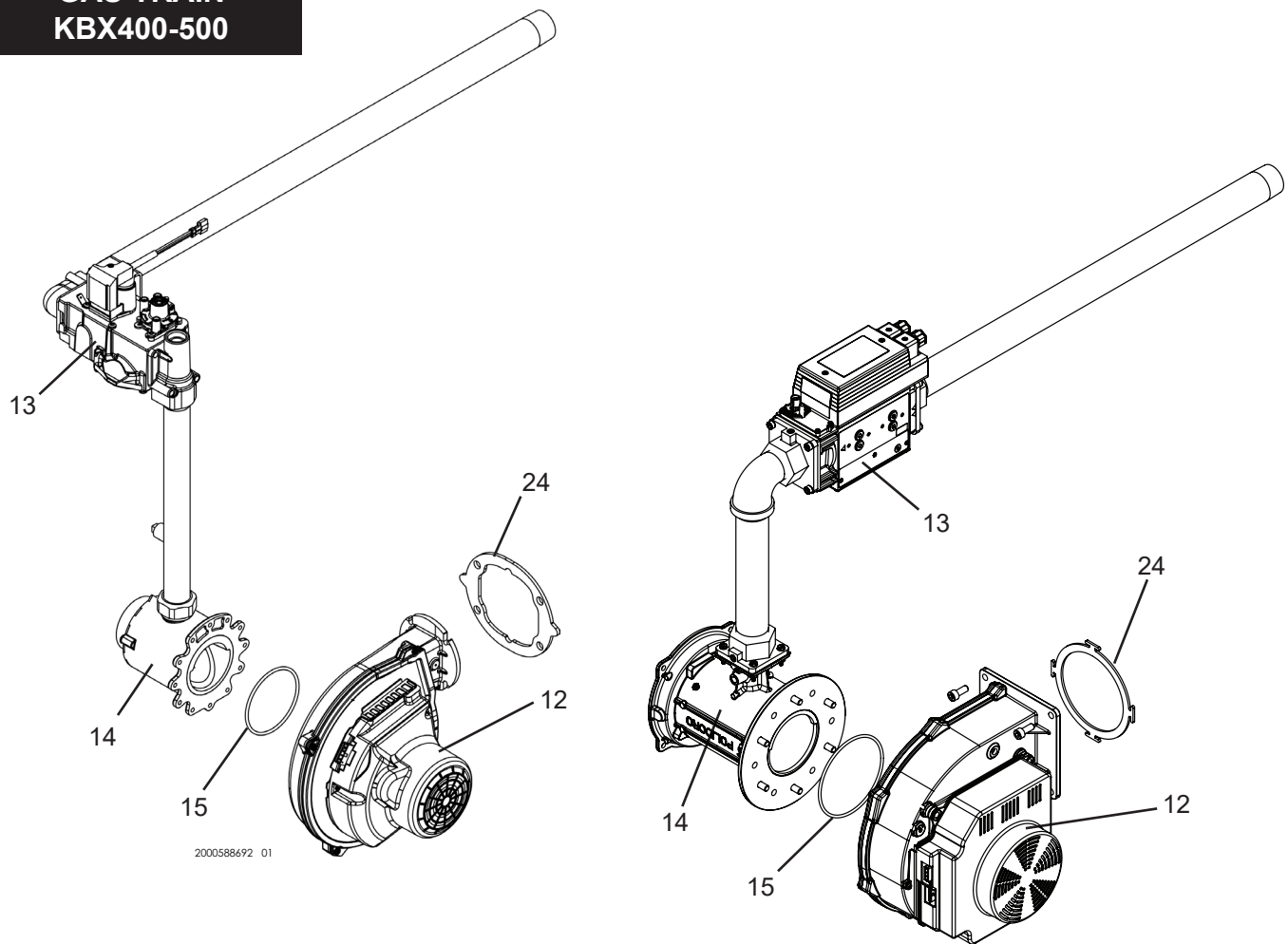
### Knight XL Condensing Boiler

KBX0400 - 0500 Series 100 & 101

KBX0650 - 1000 Series 110 & 111



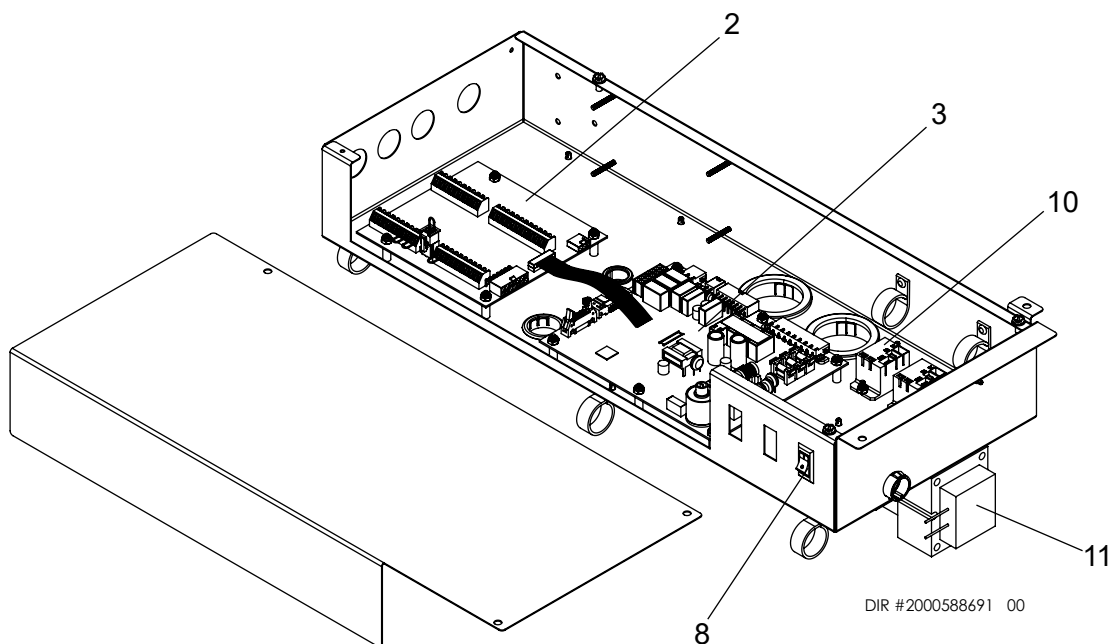
## GAS TRAIN KBX400-500



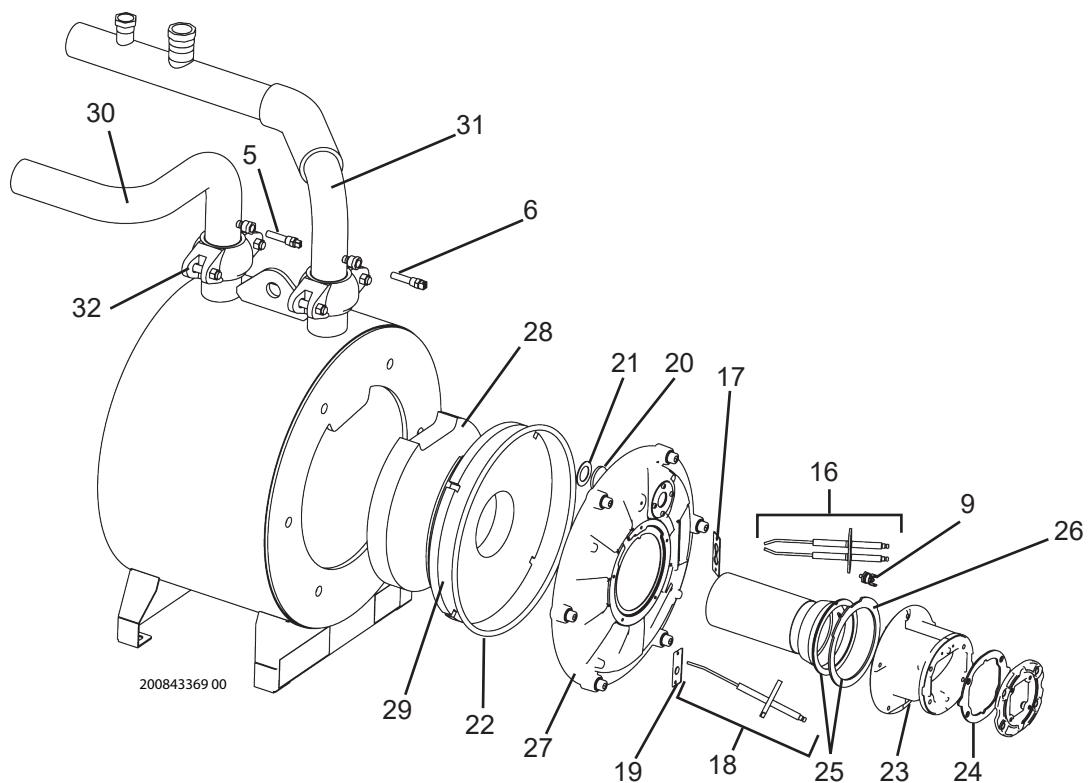
2000588710 02

## GAS TRAIN KBX0650-1000

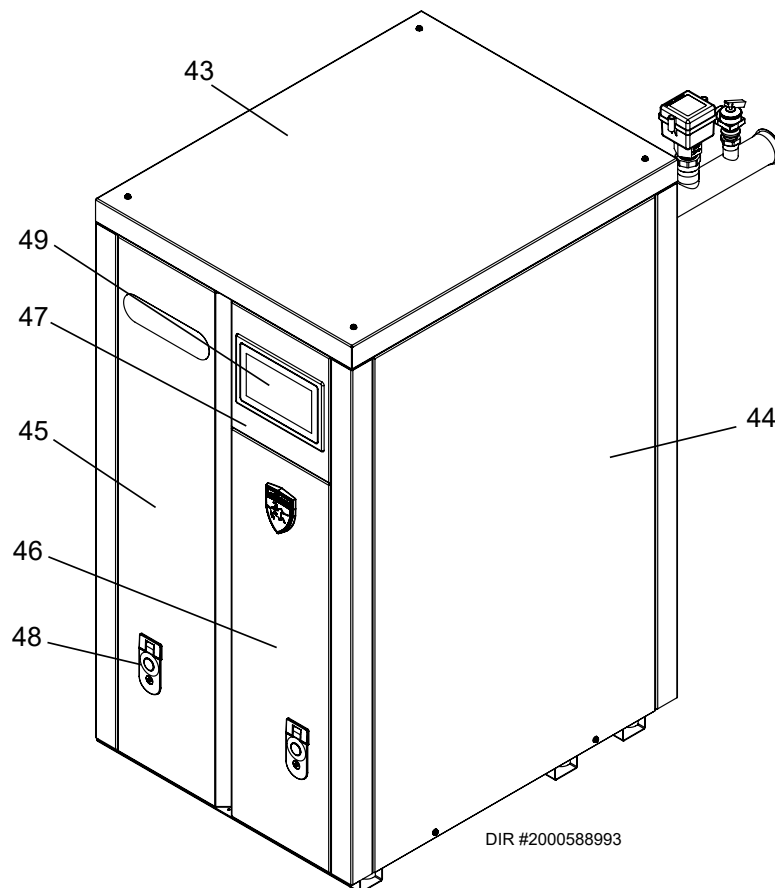
### CONTROLS



## HEAT EXCHANGER



## OUTDOOR



| ITEM NO.                                                | PART NO.          | DESCRIPTION                                                   | MODEL             |
|---------------------------------------------------------|-------------------|---------------------------------------------------------------|-------------------|
| <b>HEAT EXCHANGER ASSEMBLIES</b>                        |                   |                                                               |                   |
| 1                                                       | 100330273         | HEAT EXCHANGER ASSEMBLY                                       | KBX0400           |
| 1                                                       | 100330274         | HEAT EXCHANGER ASSEMBLY                                       | KBX0500           |
| 1                                                       | 100330275         | HEAT EXCHANGER ASSEMBLY                                       | KBX0650           |
| 1                                                       | 100330276         | HEAT EXCHANGER ASSEMBLY                                       | KBX0800           |
| 1                                                       | 100330277         | HEAT EXCHANGER ASSEMBLY                                       | KBX1000           |
| <b>CONTROLS</b>                                         |                   |                                                               |                   |
| 2                                                       | <b>100208459*</b> | LOW VOLTAGE CONNECTION BOARD, PRIOR SERIAL #2148              | ALL               |
| 2                                                       | 100351933         | LOW VOLTAGE CONNECTION BOARD, BEG SERIAL #2148                | ALL               |
| 3                                                       | <b>100330278*</b> | CONTROL BOARD - MAIN                                          | KBX0400           |
| 3                                                       | <b>100334032*</b> | CONTROL BOARD - MAIN                                          | KBX0500           |
| 3                                                       | <b>100334033*</b> | CONTROL BOARD - MAIN                                          | KBX0650           |
| 3                                                       | <b>100334034*</b> | CONTROL BOARD - MAIN                                          | KBX0800           |
| 3                                                       | <b>100334035*</b> | CONTROL BOARD - MAIN                                          | KBX1000           |
| 3                                                       | 100357494         | CONTROL BOARD - MAIN - HIGH ALTITUDE                          | KBX0400           |
| 3                                                       | 100357495         | CONTROL BOARD - MAIN - HIGH ALTITUDE                          | KBX0500           |
| 3                                                       | 100357496         | CONTROL BOARD - MAIN - HIGH ALTITUDE                          | KBX0650           |
| 3                                                       | 100357497         | CONTROL BOARD - MAIN - HIGH ALTITUDE                          | KBX0800           |
| 3                                                       | 100357499         | CONTROL BOARD - MAIN - HIGH ALTITUDE                          | KBX1000           |
| 3                                                       | 100334586         | CONTROL BOARD - MAIN, OUTDOOR                                 | KBX0400-O         |
| 3                                                       | 100334587         | CONTROL BOARD - MAIN, OUTDOOR                                 | KBX0500-O         |
| 3                                                       | 100334589         | CONTROL BOARD - MAIN, OUTDOOR                                 | KBX0650-O         |
| 3                                                       | 100334590         | CONTROL BOARD - MAIN, OUTDOOR                                 | KBX0800-O         |
| 3                                                       | 100334611         | CONTROL BOARD - MAIN, OUTDOOR                                 | KBX1000-O         |
| 3                                                       | 100357486         | CONTROL BOARD - MAIN - HIGH ALTITUDE, OUTDOOR                 | KBX0400-O         |
| 3                                                       | 100357487         | CONTROL BOARD - MAIN - HIGH ALTITUDE, OUTDOOR                 | KBX0500-O         |
| 3                                                       | 100357489         | CONTROL BOARD - MAIN - HIGH ALTITUDE, OUTDOOR                 | KBX0650-O         |
| 3                                                       | 100357492         | CONTROL BOARD - MAIN - HIGH ALTITUDE, OUTDOOR                 | KBX0800-O         |
| 3                                                       | 100357493         | CONTROL BOARD - MAIN - HIGH ALTITUDE, OUTDOOR                 | KBX1000-O         |
| 4                                                       | <b>100330279*</b> | DISPLAY ASSEMBLY INTERFACE                                    | ALL               |
| 5                                                       | <b>100208563*</b> | SENSOR, INLET                                                 | ALL               |
| 6                                                       | <b>100208558*</b> | SENSOR, OUTLET                                                | ALL               |
| -                                                       | <b>100330186*</b> | SENSOR, FLUE W/ GROMMET                                       | ALL               |
| 7                                                       | <b>100208381*</b> | SWITCH, AIR PRESSURE (NO SWITCH FOR 500, 650, OR 1000 MODELS) | KBX0400 & KBX0800 |
| 8                                                       | 100208242         | SWITCH, POWER ON/OFF                                          | ALL               |
| 9                                                       | 100388795         | SWITCH, OVER-TEMP                                             | ALL               |
| 10                                                      | 100208509         | PUMP RELAY                                                    | ALL               |
| 11                                                      | 100340202         | TRANSFORMER, 120 X 24V, 100VA, 50/60 HZ                       | ALL               |
| <b>GAS TRAIN</b>                                        |                   |                                                               |                   |
| 12                                                      | 100330187         | FAN W/ GASKETS                                                | KBX0400-0500      |
| 12                                                      | 100330188         | FAN W/ GASKETS                                                | KBX0650-0800      |
| 12                                                      | 100330189         | FAN W/ GASKETS                                                | KBX1000           |
| 13                                                      | 100330192         | GAS VALVE W/ GASKET                                           | KBX0400-0500      |
| 13                                                      | 100381188         | GAS VALVE W/ FLANGES                                          | KBX0650-KBX1000   |
| 14                                                      | 100330194         | VENTURI W/ GASKET (NATURAL GAS)                               | KBX0400           |
| 14                                                      | 100330195         | VENTURI W/ GASKET (NATURAL GAS)                               | KBX0500           |
| 14                                                      | 100330196         | VENTURI W/ GASKET (NATURAL GAS)                               | KBX0650           |
| 14                                                      | 100330197         | VENTURI W/ GASKET (NATURAL GAS)                               | KBX0800           |
| 14                                                      | 100330199         | VENTURI W/ GASKET (NATURAL GAS)                               | KBX1000           |
| 15                                                      | 100208761         | GASKET, VENTURI                                               | KBX0400-0500      |
| 15                                                      | 100233705         | GASKET, VENTURI                                               | KBX0650-0800      |
| 15                                                      | 100233698         | GASKET, VENTURI                                               | KBX1000           |
| -                                                       | 100288880         | O-RING, GAS VALVE                                             | KBX0400-0500      |
| PLEASE HAVE SERIAL NUMBER AVAILABLE WHEN ORDERING PARTS |                   |                                                               |                   |
| *ITEMS DENOTE SUGGESTED INVENTORY PARTS                 |                   |                                                               |                   |

| ITEM NO.                                                       | PART NO.          | DESCRIPTION                       | MODEL        |
|----------------------------------------------------------------|-------------------|-----------------------------------|--------------|
| <b>GAS TRAIN (CONTINUED)</b>                                   |                   |                                   |              |
| -                                                              | 100288899         | GASKET, G-NUT                     | KBX0400-0500 |
| -                                                              | 100208105         | GASKET, GAS VALVE / VENTURI, CORK | KBX0650-1000 |
| <b>IGNITION &amp; BURNER ASSEMBLIES</b>                        |                   |                                   |              |
| 16                                                             | <b>100368946*</b> | IGNITOR W/ GASKET & SCREWS        | ALL          |
| 17                                                             | <b>100297133*</b> | GASKET, IGNITOR                   | ALL          |
| 18                                                             | <b>100330200*</b> | FLAME SENSOR W/ GASKET & SCREWS   | ALL          |
| 19                                                             | <b>100330341*</b> | GASKET, FLAME SENSOR              | ALL          |
| 20                                                             | 100330201         | SIGHT GLASS                       | ALL          |
| 21                                                             | 100297136         | GASKET, SIGHT GLASS               | ALL          |
| 22                                                             | 100330202         | GASKET, DOOR, ROPE                | ALL          |
| 23                                                             | 100330209         | INTAKE MANIFOLD, HEX, INLET       | KBX0400-0500 |
| 23                                                             | 100330190         | INTAKE MANIFOLD, HEX, INLET       | KBX0650-0800 |
| 23                                                             | 100330191         | INTAKE MANIFOLD, HEX, INLET       | KBX1000      |
| 24                                                             | 100330206         | INTAKE MANIFOLD GASKET            | KBX0400-0500 |
| 24                                                             | 100330190         | INTAKE MANIFOLD GASKET            | KBX0650-0800 |
| 24                                                             | 100330191         | INTAKE MANIFOLD GASKET            | KBX1000      |
| 25                                                             | 100330210         | BURNER W/ GASKETS                 | KBX0400      |
| 25                                                             | 100330211         | BURNER W/ GASKETS                 | KBX0500      |
| 25                                                             | 100330212         | BURNER W/ GASKETS                 | KBX0650      |
| 25                                                             | 100330213         | BURNER W/ GASKETS                 | KBX0800      |
| 25                                                             | 100330214         | BURNER W/ GASKETS                 | KBX1000      |
| 26                                                             | <b>100330215*</b> | GASKET, BURNER                    | ALL          |
| 27                                                             | 100330216         | DOOR, BURNER                      | ALL          |
| <b>MISCELLANEOUS</b>                                           |                   |                                   |              |
| 28                                                             | 100330218         | INSULATION, DEFLECTOR             | ALL          |
| 29                                                             | 100330217         | INSULATION, BURNER DOOR           | ALL          |
| -                                                              | 100330219         | GASKET, FLUE OUTLET               | KBX0400-0500 |
| -                                                              | 100330220         | GASKET, FLUE OUTLET               | KBX0650-1000 |
| -                                                              | 100330315         | FLUE CLAMP RING                   | KBX0400-0500 |
| -                                                              | 100330314         | FLUE CLAMP RING                   | KBX0650-1000 |
| 30                                                             | 100330223         | WATER PIPE, INLET                 | KBX0400-0800 |
| 30                                                             | 100330224         | WATER PIPE, INLET                 | KBX1000      |
| 31                                                             | 100330225         | WATER PIPE, OUTLET                | KBX0400      |
| 31                                                             | 100330226         | WATER PIPE, OUTLET                | KBX0500      |
| 31                                                             | 100330227         | WATER PIPE, OUTLET                | KBX0650      |
| 31                                                             | 100330229         | WATER PIPE, OUTLET                | KBX0800      |
| 31                                                             | 100330230         | WATER PIPE, OUTLET                | KBX1000      |
| 32                                                             | 100330232         | COUPLING, WATER PIPE              | ALL          |
| 33                                                             | 100330233         | CONDENSATE TRAP ASSEMBLY          | ALL          |
| 34                                                             | 100330234         | HOSE, CONDENSATE TRAP             | ALL          |
| 35                                                             | 100208454         | VALVE, RELIEF - 50 PSI            | KBX0400-0650 |
| 35                                                             | 100208442         | VALVE, RELIEF - 50 PSI            | KBX0800-1000 |
| -                                                              | 100208834         | SENSOR, OUTDOOR                   | ALL          |
| 36                                                             | 100335986         | FLOW SWITCH, W/ PADDLE #2         | ALL          |
| -                                                              | 100330235         | HARNESS, SPARK IGNITOR            | ALL          |
| -                                                              | 100208622         | HARNESS, FLAME SENSOR             | ALL          |
| -                                                              | 100330236         | HARNESS, ELECTRODE, GROUND        | ALL          |
| -                                                              | 100330237         | HARNESS, COMMUNICATION CABLE      | ALL          |
| -                                                              | 100376312         | HARNESS, WIRE, PANEL              | KBX0400-0800 |
| -                                                              | 100376313         | HARNESS, WIRE, PANEL              | KBX1000      |
| -                                                              | 100376314         | HARNESS, SENSOR                   | ALL          |
| -                                                              | <b>100208808*</b> | FUSE, 0.8A / 250V                 | ALL          |
| <b>PLEASE HAVE SERIAL NUMBER AVAILABLE WHEN ORDERING PARTS</b> |                   |                                   |              |
| <b>*ITEMS DENOTE SUGGESTED INVENTORY PARTS</b>                 |                   |                                   |              |

| ITEM NO.                                                                                                      | PART NO.          | DESCRIPTION                        | MODEL          |
|---------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|----------------|
| <b>MISCELLANEOUS (CONTINUED)</b>                                                                              |                   |                                    |                |
| -                                                                                                             | <b>100208231*</b> | FUSE, 3.15A / 250V                 | ALL            |
| -                                                                                                             | <b>100290102*</b> | FUSE, 6.30A / 250V                 | ALL            |
| -                                                                                                             | 100233577         | AIR FILTER                         | ALL            |
| -                                                                                                             | 100371406         | DISPLAY TAPE SERVICE KIT           | ALL            |
| <b>JACKET ASSEMBLIES</b>                                                                                      |                   |                                    |                |
| -                                                                                                             | 100302180         | LATCH, COMPRESSION                 | KBX1000        |
| 37                                                                                                            | 100335982         | COVER, JUNCTION BOX                | ALL            |
| 38                                                                                                            | 100335985         | COVER, CONTROL                     | ALL            |
| 39                                                                                                            | 100330328         | JACKET, TOP                        | KBX0400-0500   |
| 39                                                                                                            | 100330329         | JACKET, TOP                        | KBX0650-0800   |
| 39                                                                                                            | 100330330         | JACKET, TOP                        | KBX1000        |
| 40                                                                                                            | 100330331         | JACKET, LEFT SIDE                  | KBX0400-0500   |
| 40                                                                                                            | 100330332         | JACKET, LEFT SIDE                  | KBX0650-0800   |
| 40                                                                                                            | 100330336         | JACKET, LEFT SIDE                  | KBX1000        |
| 41                                                                                                            | 100330337         | JACKET, RIGHT SIDE                 | KBX0400-0500   |
| 41                                                                                                            | 100330333         | JACKET, RIGHT SIDE                 | KBX0650-0800   |
| 41                                                                                                            | 100330334         | JACKET, RIGHT SIDE                 | KBX1000        |
| 42                                                                                                            | 100330335         | JACKET, FRONT                      | ALL            |
| <b>OPTION KITS</b>                                                                                            |                   |                                    |                |
| -                                                                                                             | 100330250         | KIT, OUTDOOR                       | KBX0400-0500   |
| -                                                                                                             | 100361244         | KIT, OUTDOOR                       | KBX0650-1000   |
| -                                                                                                             | 100330251         | KIT, LP CONVERSION (W/ LP VENTURI) | KBX0400        |
| -                                                                                                             | 100330252         | KIT, LP CONVERSION (W/ LP VENTURI) | KBX0500        |
| -                                                                                                             | 100330253         | KIT, LP CONVERSION (W/ LP VENTURI) | KBX0650        |
| -                                                                                                             | 100330254         | KIT, LP CONVERSION (W/ LP VENTURI) | KBX0800        |
| -                                                                                                             | 100330255         | KIT, LP CONVERSION (W/ LP VENTURI) | KBX1000        |
| <b>OUTDOOR</b>                                                                                                |                   |                                    |                |
| 43                                                                                                            | 100335954         | JACKET, TOP                        | KBX0400-0500-O |
| 43                                                                                                            | 100335955         | JACKET, TOP                        | KBX0650-0800-O |
| 43                                                                                                            | 100335956         | JACKET, TOP                        | KBX1000-O      |
| 44                                                                                                            | 100335957         | JACKET, SIDES                      | KBX0400-0500-O |
| 44                                                                                                            | 100335958         | JACKET, SIDES                      | KBX0650-0800-O |
| 44                                                                                                            | 100335959         | JACKET, SIDES                      | KBX1000-O      |
| 45                                                                                                            | 100335981         | JACKET, FRONT, LEFT                | ALL            |
| 46                                                                                                            | 100330248         | JACKET, FRONT, BOTTOM, RIGHT       | ALL            |
| 47                                                                                                            | 100330249         | JACKET, FRONT, TOP, RIGHT          | ALL            |
| 48                                                                                                            | 100302180         | LATCH, COMPRESSION                 | ALL            |
| 49                                                                                                            | 100330185         | DISPLAY ASSEMBLY INTERFACE         | ALL            |
| -                                                                                                             | 100335984         | COVER, CONTROL                     | ALL            |
| <b>ANNUAL PREVENTATIVE MAINTENANCE KITS</b>                                                                   |                   |                                    |                |
| -                                                                                                             | <b>100345163*</b> | KIT, PM SERVICE                    | KBX0400-0500   |
| -                                                                                                             | <b>100345164*</b> | KIT, PM SERVICE                    | KBX0650-0800   |
| -                                                                                                             | <b>100345165*</b> | KIT, PM SERVICE                    | KBX1000        |
| <p>PLEASE HAVE SERIAL NUMBER AVAILABLE WHEN ORDERING PARTS</p> <p>*ITEMS DENOTE SUGGESTED INVENTORY PARTS</p> |                   |                                    |                |

# Notes

