

## LB943B PARTS LIST

Serial # \_\_\_\_\_

ID# \_\_\_\_\_

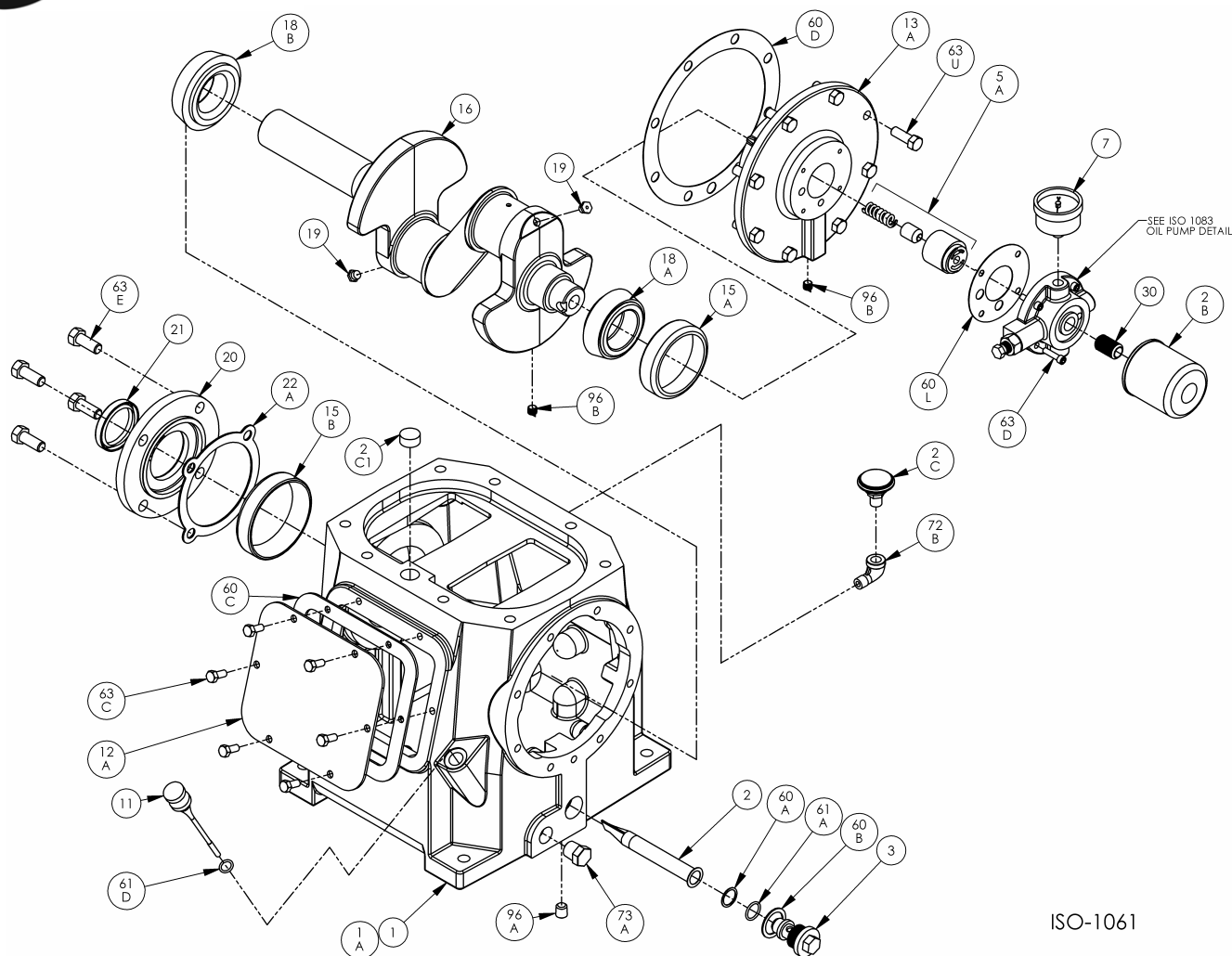
### Gasket Sets and Special Tools

|                                 |               |        |
|---------------------------------|---------------|--------|
| Gasket Set                      | Buna-N & Iron | 794992 |
| Packing Installation Tool       |               | 790540 |
| Spanner Wrench, 1/4" Adjustable |               | 790316 |
| Wrench for Valve Holdown Screw  |               | 790535 |

### Bulletins Needed For Complete Parts List

|           |        |
|-----------|--------|
| This page | 5E-090 |
| Crankcase | 5F-040 |
| Oil Pump  | 5G-011 |
| Flywheel  | 5H-030 |
| Crosshead | 5J-090 |
| Packing   | 5K-030 |
| Cylinder  | 5L-050 |

Notes:



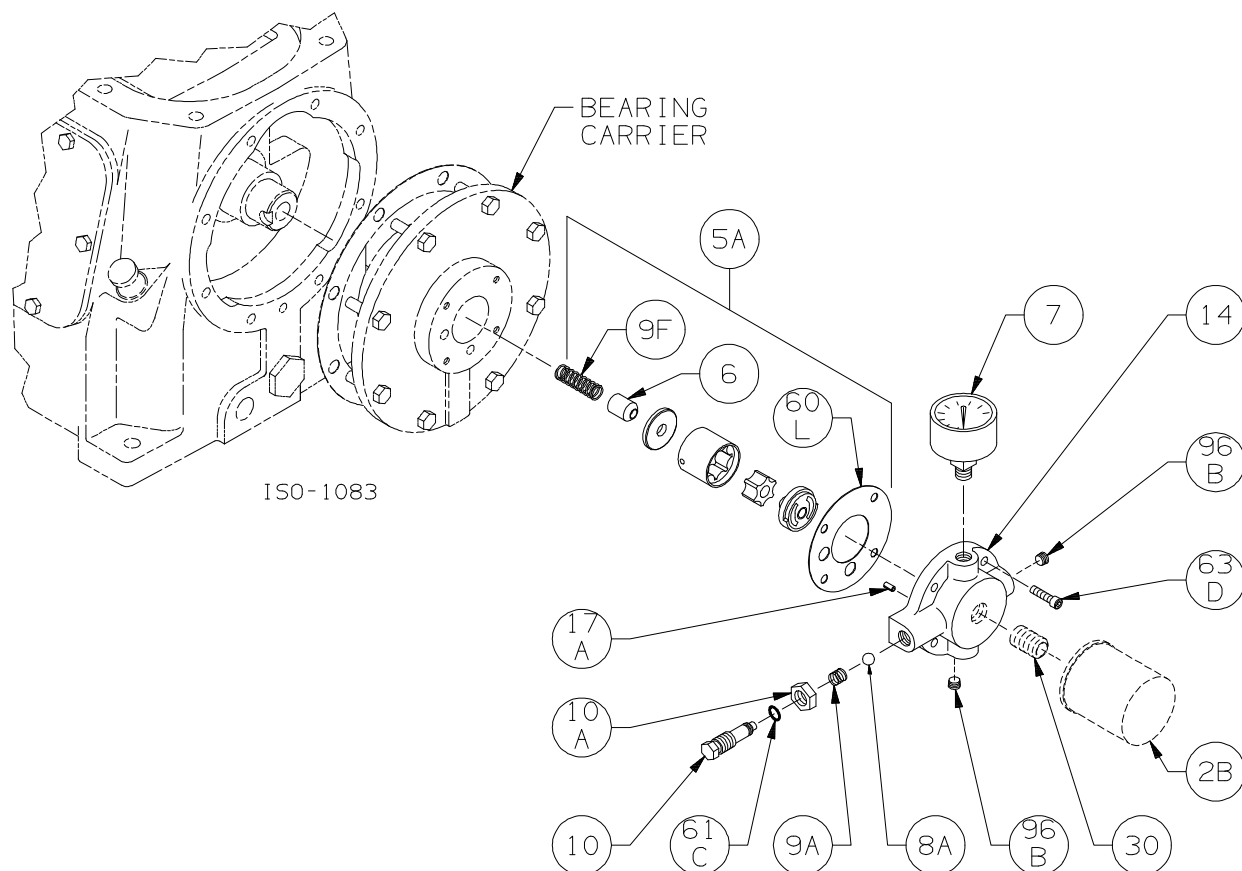
Crankcase Assembly: Model LB942A, LB942B

ISO1056

| Ref | Description                             | Qty | Part No |
|-----|-----------------------------------------|-----|---------|
| 1   | Crankcase Assembly - with Oil Filter    | 1   | 794758  |
| 1A  | Crankcase                               | 1   | 794709  |
| 2   | Oil Intake Screen                       | 1   | 792135  |
| 2B  | Oil Filter                              | 1   | 794726  |
| 2C  | Breather Filter (current)               | 1   | 792070  |
| 2C1 | Breather Filter (Previous Construction) |     | 794752  |
| 3   | Oil Screen Plug                         | 1   | 792145  |
| 5A  | Oil Pump Kit                            | 1   | 794760  |
| 7   | Oil Pressure Gauge                      | 1   | 790012  |
| 11  | Oil Bayonet Assembly                    | 1   | 792162  |
| 12A | Inspection Plate                        | 1   | 794140  |
| 13A | Bearing Carrier                         | 1   | 794714  |
| 15A | Bearing Cup (Outboard)                  | 1   | 794131  |
| 15B | Bearing Cup (Inboard)                   | 1   | 794731  |
| 16  | Crankshaft Assembly (w/ 18A,18B,19,96B) | 1   | 794708  |
| 18A | Bearing Cone (Outboard)                 | 1   | 794130  |
| 18B | Bearing Cone (Inboard)                  | 1   | 794730  |
| 19  | Orifice                                 | 2   | 792146  |
| 20  | Bearing Cover Plate                     | 1   | 794716  |

| Ref | Description                         | Qty | Part No |
|-----|-------------------------------------|-----|---------|
| 21  | Oil Seal                            | 1   | 794732  |
| 22A | Bearing Adjustment Shim Kit         | 1   | 794733  |
| 30  | Oil Filter Fitting                  | 1   | 794725  |
| 60A | Gasket - Oil Screen *               | 1   | 792136  |
| 60B | Gasket - Oil Screen Plug *          | 1   | 792123  |
| 60C | Gasket - Inspection Plate *         | 1   | 794122  |
| 60D | Gasket - Bearing Carrier Assembly * | 1   | 794720  |
| 60L | Gasket - Oil Pump Cover *           | 1   | 794721  |
| 61A | O-Ring - Oil Screen *               | 1   | 792175  |
| 61D | O-Ring - Oil Bayonet *              | 1   | 792174  |
| 63C | Capscrew - Hex Hd                   | 6   | 793116  |
| 63D | Capscrew - Soc Hd                   | 4   | 790559  |
| 63E | Capscrew - Hex Hd                   | 4   | 790484  |
| 63U | Capscrew - Hex Hd                   | 8   | 792093  |
| 72B | Elbow                               | 1   | 790453  |
| 73A | Pipe Plug                           | 1   | 790024  |
| 96A | Pipe Plug                           | 1   | 790488  |
| 96B | Pipe Plug                           | 2   | 790309  |

\* Included in Gasket Sets



## Oil Pump Detail:

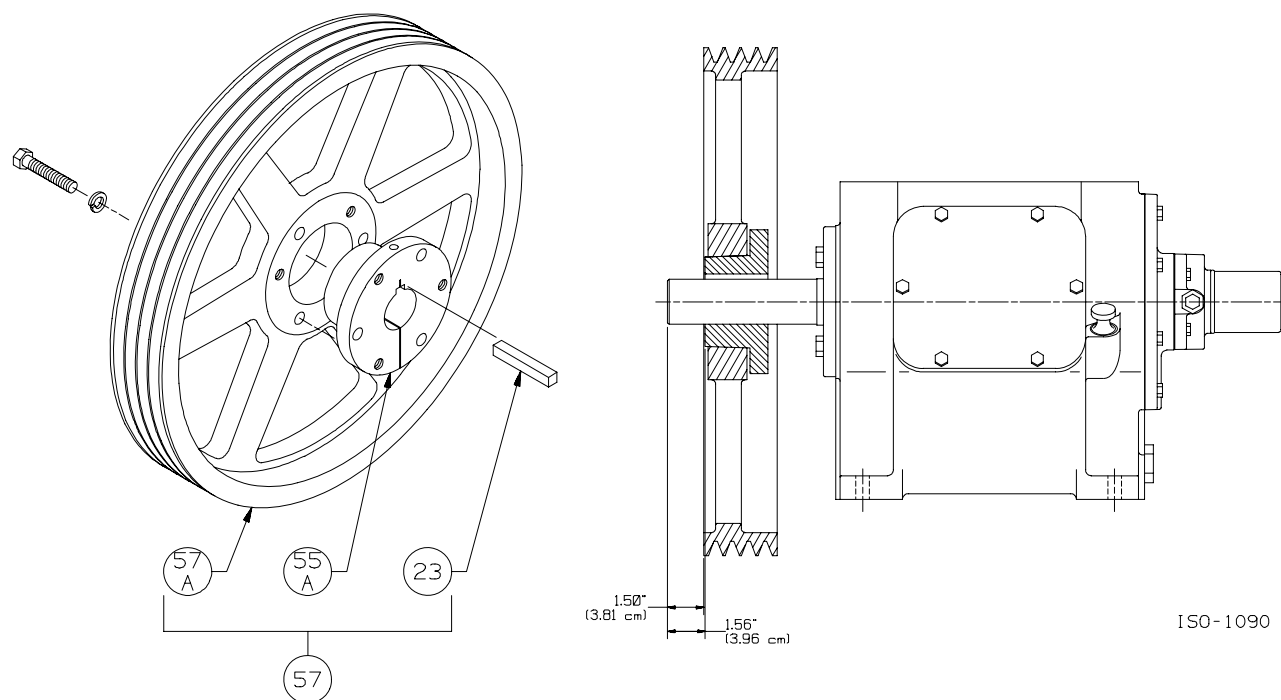
Models LB081B, LB082B, LB161B, LB162B, LB361B, LB362C,  
LB601B, LB602B, LB602C, LB942A, LB942B, LB943B

ISO1083

| Ref | Description                    | Qty | Part No |
|-----|--------------------------------|-----|---------|
| 2B  | Oil Filter                     | 1   | 794726  |
| 5A  | Oil Pump Kit (with 6, 9F, 60L) |     | 794760  |
| 6   | Oil Pump Cone                  | 1   | 794750  |
| 7   | Oil Pressure Gauge             | 1   | 790012  |
| 8A  | Oil Pressure Adj. Ball         | 1   | 792154  |
| 9A  | Oil Pressure Adj. Spring       | 1   | 792153  |
| 9F  | Oil Pump Spring                | 1   | 794751  |
| 10  | Oil Pressure Adj. Screw        | 1   | 792148  |
| 10A | Locknut                        | 1   | 792152  |

| Ref | Description                                                                                | Qty | Part No          |
|-----|--------------------------------------------------------------------------------------------|-----|------------------|
| 14  | Oil Pump Cover Assembly - For Filter<br>Oil Pump Cover Assembly<br>(both include 17A, 96B) | 1   | 794764<br>794763 |
| 17A | Roll Pin                                                                                   | 1   | 794753           |
| 30  | Oil Filter Fitting                                                                         | 1   | 794725           |
| 60L | Gasket - Oil Pump Cover *                                                                  | 1   | 794721           |
| 61C | O-Ring - Adjusting Screw *                                                                 | 1   | 792168           |
| 63D | Capscrew - Socket Head                                                                     | 4   | 790559           |
| 96B | Pipe Plug                                                                                  | 2   | 790309           |

\* Included in Gasket Sets

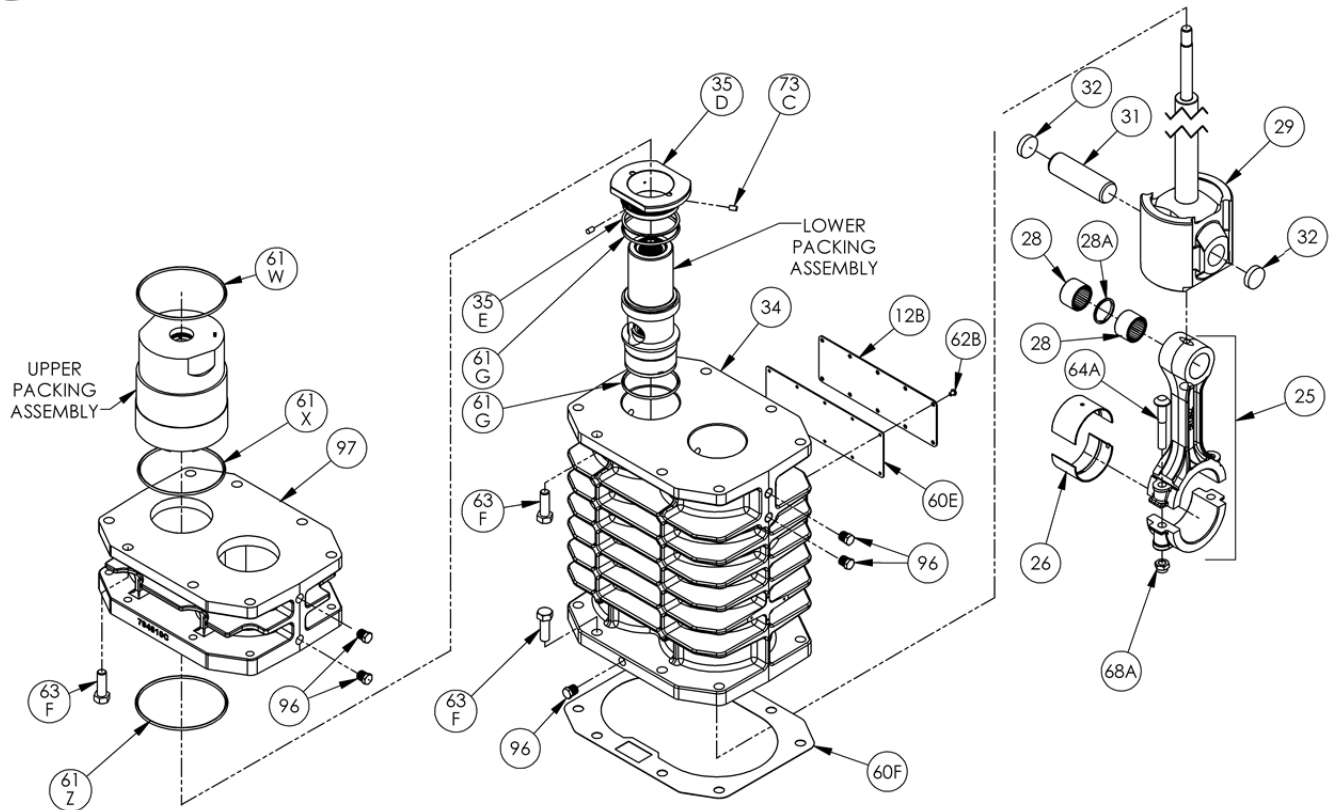


ISO-1090

Flywheel Assembly: LB942A, LB942B

ISO1090

| Ref | Description       | Qty | Part No |
|-----|-------------------|-----|---------|
| 23  | Key               | 1   | 794267  |
| 55A | Hub               | 1   | 790505  |
| 57  | Flywheel Assembly | 1   | 794755  |
| 57A | Flywheel          | 1   | 790539  |



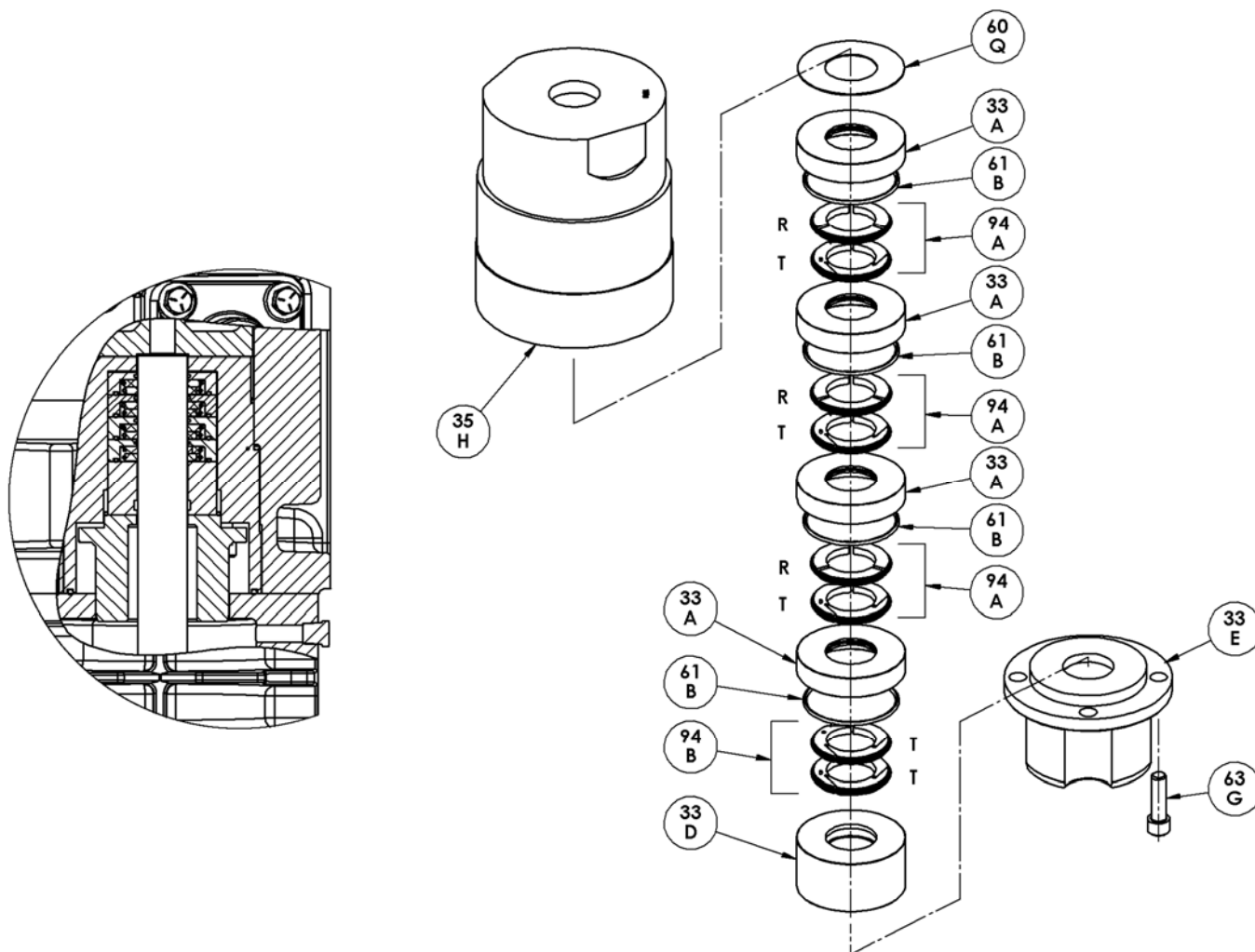
Crosshead Assembly: LB943B

S1174

| Ref | Description                 | Qty | Part No |
|-----|-----------------------------|-----|---------|
| 12B | Inspection Plate            | 1   | 794093  |
| 25  | Connecting Rod Assembly     | 2   | 794767  |
| 26  | Connecting Rod Bearing      | 2   | 794710  |
| 28  | Wrist Pin Bearing           | 4   | 794776  |
| 28A | Bearing Spacer              | 2   | 794770  |
| 29  | Crosshead Assembly          | 2   | 794823  |
| 31  | Wrist Pin                   | 2   | 794727  |
| 32  | Wrist Pin Plug              | 4   | 794724  |
| 34  | Crosshead Guide             | 1   | 794430  |
| 35D | Hold-down Ring              | 2   | 794224  |
| 35E | Spacer Ring                 | 2   | 794403  |
| 60E | Gasket - Inspection Plate * | 1   | 794092  |
| 60F | Gasket - Crankcase *        | 1   | 794121  |

| Ref | Description                      | Qty | Part No |
|-----|----------------------------------|-----|---------|
| 61G | O-Ring (Buna-N) *                | 4   | 794082  |
| 61W | O-Ring (Buna-N) *                | 2   | 792315  |
| 61X | O-Ring (Buna-N) *                | 2   | 792252  |
| 61Z | O-Ring (Buna-N) *                | 2   | 794126  |
| 62B | Machine Screw - Inspection Plate | 10  | 793096  |
| 63F | Capscrew - Hex Hd                | 24  | 794094  |
| 64A | Connecting Rod Bolt              | 4   | 794012  |
| 68A | Connecting Rod Bolt Nut          | 4   | 794013  |
| 73C | Lock Plug *                      | 6   | 794028  |
| 96  | Pipe Plug                        | 9   | 793498  |
| 97  | Distance Piece                   | 1   | 794810  |

\* Included in Gasket Sets



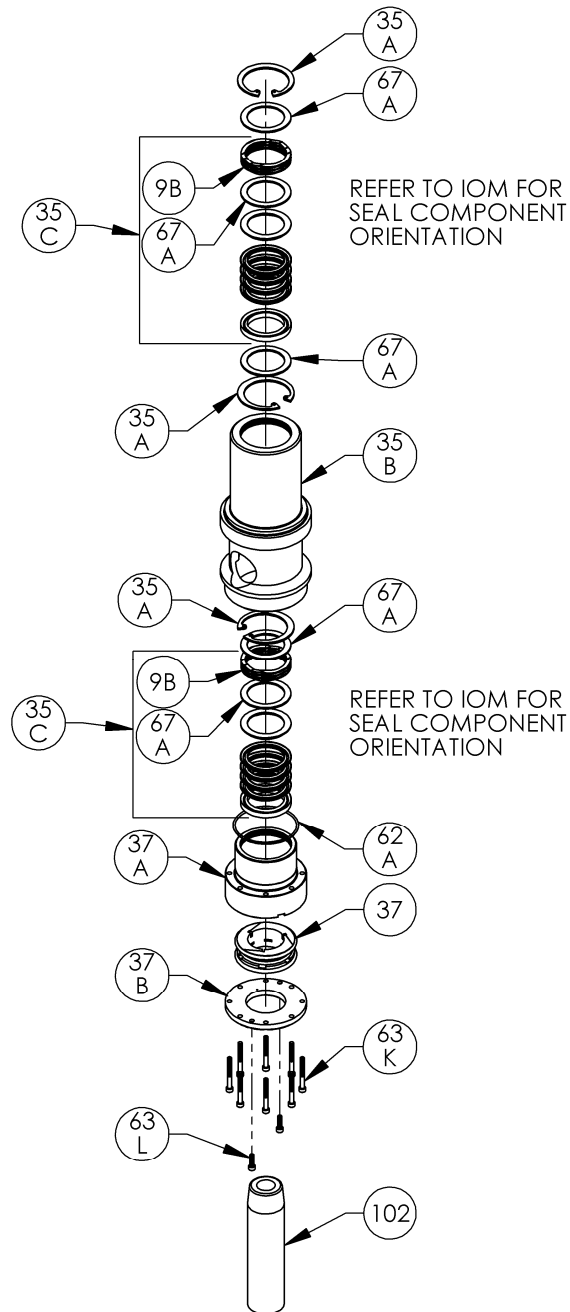
## Upper Packing Assembly, Type 'B': LB943B

S1173

| Ref | Description            | Qty | Part No |
|-----|------------------------|-----|---------|
| 33A | Packing Cup            | 8   | 794783  |
| 33D | Packing Spacer         | 2   | 794745  |
| 33E | Packing Gland          | 2   | 794786  |
| 35H | Packing Box - Upper    | 2   | 794780  |
| 60Q | Gasket - Packing Cup * | 2   | 794754  |

| Ref | Description          | Qty | Part No |
|-----|----------------------|-----|---------|
| 61B | O-Ring (Buna-N) *    | 8   | 792260  |
| 63G | Capscrew - Socket Hd | 8   | 790483  |
| 94A | Packing Ring - R/T   | 6   | 794746  |
| 94B | Packing Ring - T/T   | 2   | 794747  |

\*Included in Gasket Sets



Lower Packing Box Detail: LB943B

S1175

| Ref | Description         | Qty | Part No |
|-----|---------------------|-----|---------|
| 9B  | Packing Spring      | 4   | 794041  |
| 35A | Retainer Ring       | 6   | 794080  |
| 35B | Packing Box - Lower | 2   | 794445  |
| 35C | Packing Set         | 4   | 794498  |
| 37  | S3R Seal            | 2   | 794456  |
| 37A | Seal Cup            | 2   | 794455  |
| 37B | Seal Cup Cover      | 2   | 794454  |

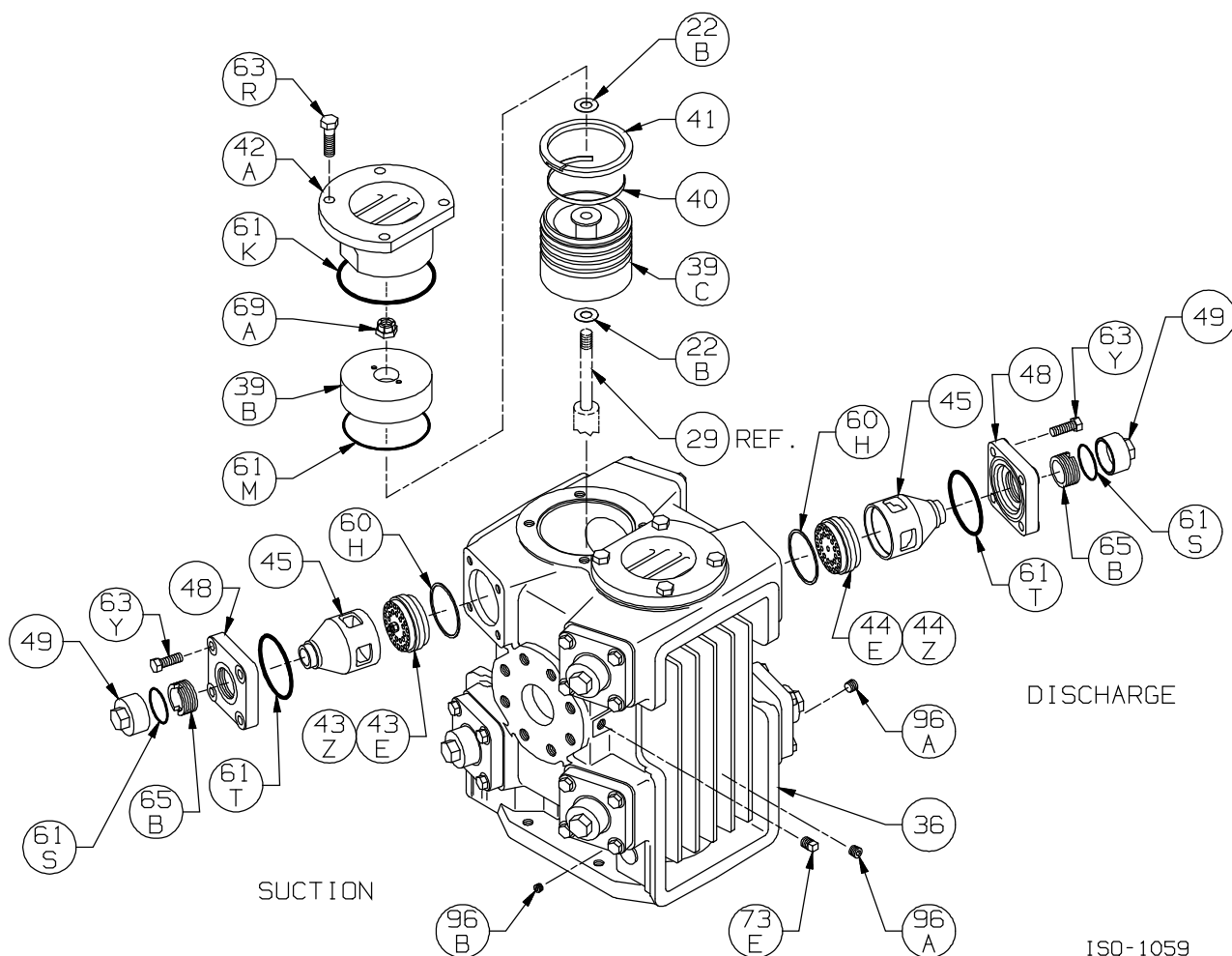
| Ref | Description               | Qty | Part No |
|-----|---------------------------|-----|---------|
| 62A | O-Ring (Buna-N) *         | 2   | 792311  |
| 63K | Capscrew - Socket Hd      | 16  | 794460  |
| 63L | Capscrew - Socket Hd      | 4   | 794461  |
| 67A | Washer - Packing Box      | 10  | 794084  |
| 102 | Packing Installation Tool | 1   | 790540  |

\*Included in Gasket Sets

Refer to the Compressor IOM for proper orientation of components.







Cylinder Assembly LB942A, LB942B, LB943B

ISO1059

| Ref | Description                          | Qty | Part No |
|-----|--------------------------------------|-----|---------|
| 22B | Piston Shim – 0.007"                 | AR  | 794761  |
|     | Piston Shim – 0.015"                 |     | 794762  |
|     | Piston Shim – 0.025"                 |     | 797022  |
|     | Piston Shim – 0.035"                 |     | 797023  |
|     | Piston Shim – 0.040"                 |     | 797024  |
| 36  | Cylinder                             | 1   | 794704  |
| 39B | Piston Cap                           | 2   | 794719  |
| 39C | Piston                               | 2   | 794718  |
| 40  | Expander                             | 8   | 793614  |
| 41  | Piston Ring - Std                    | 8   | 793610  |
| 42A | Head                                 | 2   | 794702  |
| 43E | Suction Valve Assembly               | 4   | 793659  |
| 43Z | Valve Repair Kit - For 793659/793679 |     | 793660  |
| 44E | Discharge Valve Assembly             | 4   | 793679  |
| 44Z | Valve Repair Kit - For 793659/793679 |     | 793660  |

| Ref | Description            | Qty | Part No |
|-----|------------------------|-----|---------|
| 45  | Cage                   | 8   | 794620  |
| 48  | Valve Cover Plate      | 8   | 794284  |
| 49  | Valve Cap              | 8   | 792003  |
| 60H | Gasket - Valve *       | 8   | 794198  |
| 61K | O-Ring (Buna-N) Std *  | 2   | 792315  |
| 61M | O-Ring (Buna-N) Std *  | 2   | 792060  |
| 61S | O-Ring (Buna-N) Std *  | 8   | 792306  |
| 61T | O-Ring (Buna-N) Std *  | 8   | 792112  |
| 63R | Capscrew - Hex Hd      | 8   | 794097  |
| 63Y | Capscrew - Hex Hd      | 32  | 793094  |
| 65B | Valve Holddown Screw   | 8   | 792002  |
| 69A | Piston Nut             | 2   | 790487  |
| 73E | Pipe Plug - 1/4        | 4   | 793498  |
| 96A | Pipe Plug - 1/4 Socket | 4   | 790488  |
| 96B | Pipe Plug - 1/8 Socket | 2   | 790309  |

AR As Required

\* Included in Gasket Sets



## Suggested Spare Parts for LB943B compressors:

| Part #                                                                             | Description                                         | Qty./ Unit | Comm. Qty. | Spare Qty. |
|------------------------------------------------------------------------------------|-----------------------------------------------------|------------|------------|------------|
| 794992                                                                             | Gasket Set - Buna-N, Iron                           | 1          | 1          | 1          |
| 793659<br>or<br>793660                                                             | Suction Valve<br>or<br>Suction Valve Repair Kit     | 4          |            | 4          |
| 793679<br>or<br>793660                                                             | Discharge Valve<br>or<br>Discharge Valve Repair Kit | 4          |            | 4          |
| 793610                                                                             | Piston Ring                                         | 8          | 8          | 8          |
| 793614                                                                             | Piston Ring Expander                                | 8          |            | 8          |
| 794746                                                                             | Upper Packing Ring - R/T                            | 10         | 10         | 10         |
| 794747                                                                             | Upper Packing Ring - T/T                            | 2          | 2          | 2          |
| 794498                                                                             | Lower Packing Set                                   | 4          | 4          | 4          |
| 790540                                                                             | Packing Installation Tool                           | 1          |            | 1          |
| 794726                                                                             | Oil Filter                                          | 1          | 1          | 6          |
| 794727                                                                             | Wrist Pin                                           | 2          |            | 2          |
| 794776                                                                             | Wrist Pin Roller Bearing                            | 4          | 4          | 4          |
| 794710                                                                             | Conrod Bearing                                      | 2          | 2          | 2          |
| The following parts would normally be required only for major compressor overhaul. |                                                     |            |            |            |
| 794730                                                                             | Inboard Bearing Cone                                | 1          |            | 1          |
| 794731                                                                             | Inboard Bearing Cup                                 | 1          |            | 1          |
| 794130                                                                             | Outboard Bearing Cone                               | 1          |            | 1          |
| 794131                                                                             | Outboard Bearing Cup                                | 1          |            | 1          |
| 794823                                                                             | Crosshead Assembly                                  | 2          |            | 1          |
| 794767                                                                             | Conrod Assembly                                     | 2          |            | 1          |
| 794456                                                                             | S3R Seal                                            | 2          |            | 2          |
| 794760                                                                             | Oil Pump Repair Kit                                 | 1          |            |            |
| 794708                                                                             | Crankshaft Assembly                                 | 1          |            |            |
| 794733                                                                             | Bearing Adjustment Shim Kit                         | 1          |            |            |
| 794704                                                                             | Cylinder                                            | 1          |            |            |