

# YORK®

SECTION 2

## HERMETIC TURBOPAK CENTRIFUGAL LIQUID CHILLING UNITS

RENEWAL PARTS

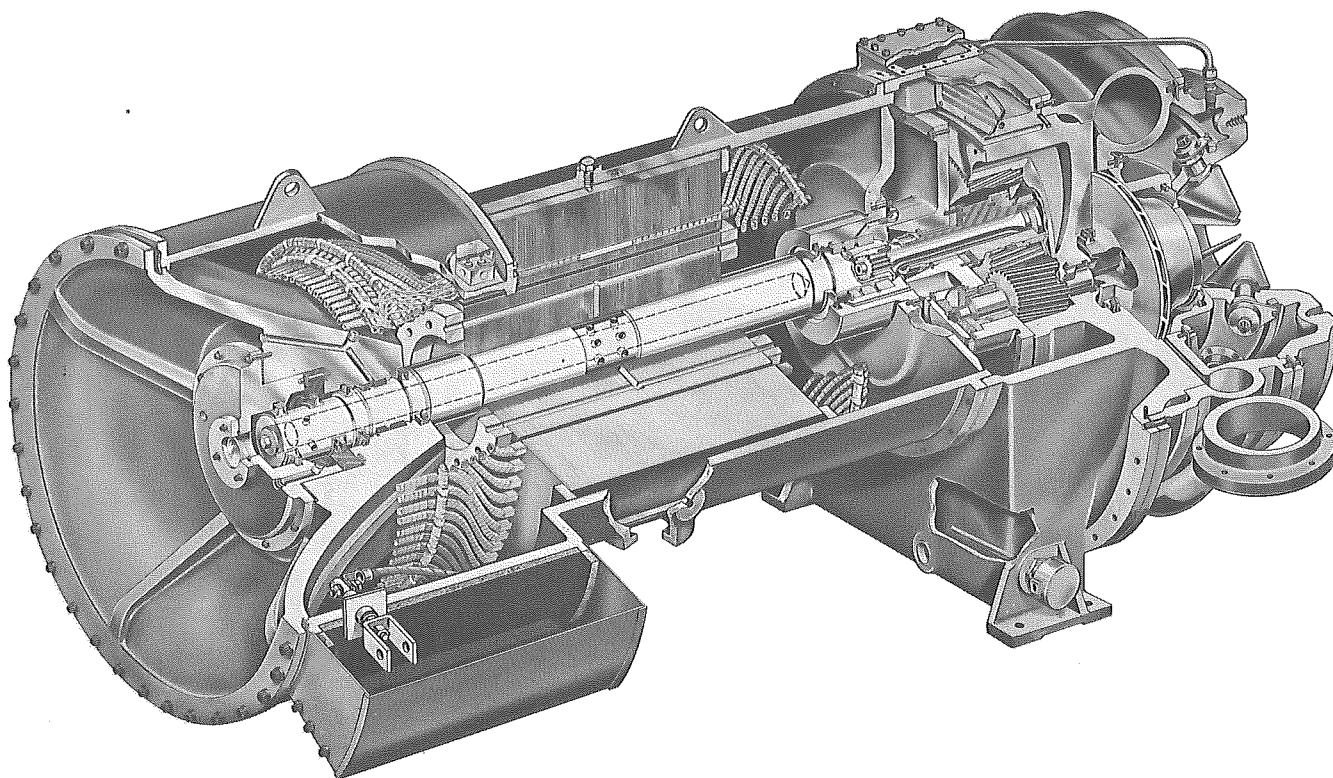
Supersedes: Nothing

580

Form 160.53-RP1 (Sect. 2)

MODELS HT M1 G1 THRU HT T2 G2(STYLE B )  
650 THRU 1300 TONS

HERMETIC COMPRESSOR PARTS  
MODELS MKB 65 AND MKB 73



# COMPRESSORS

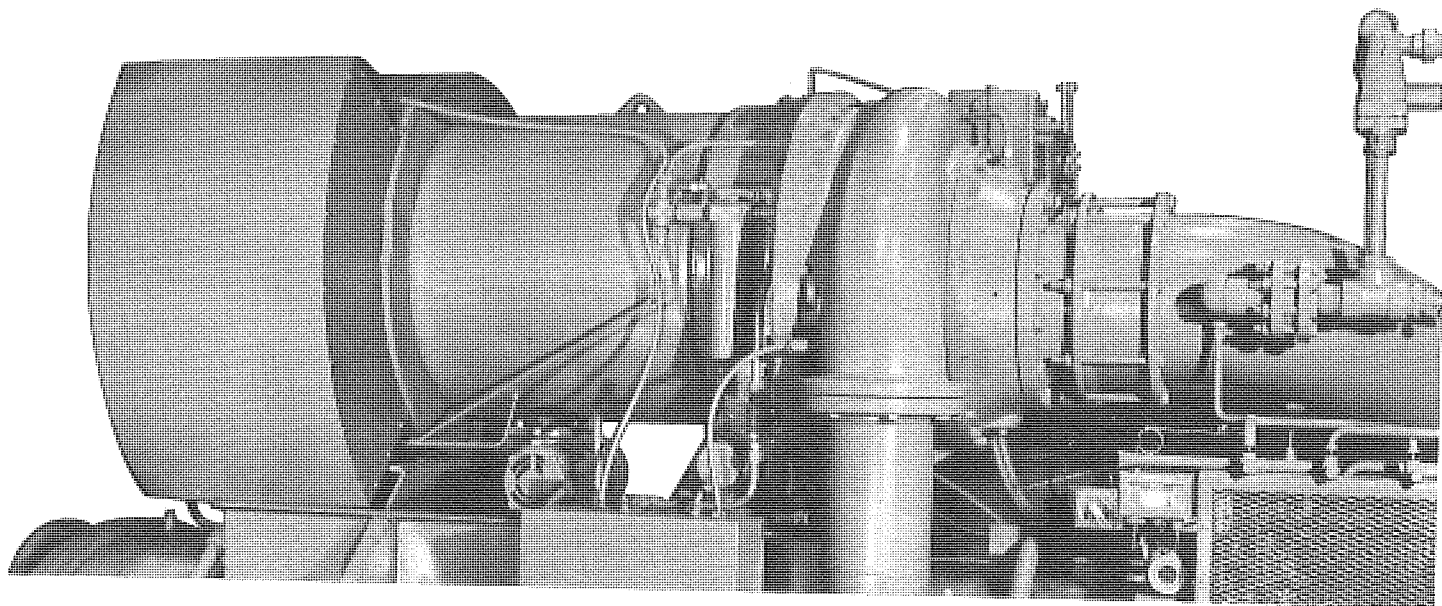
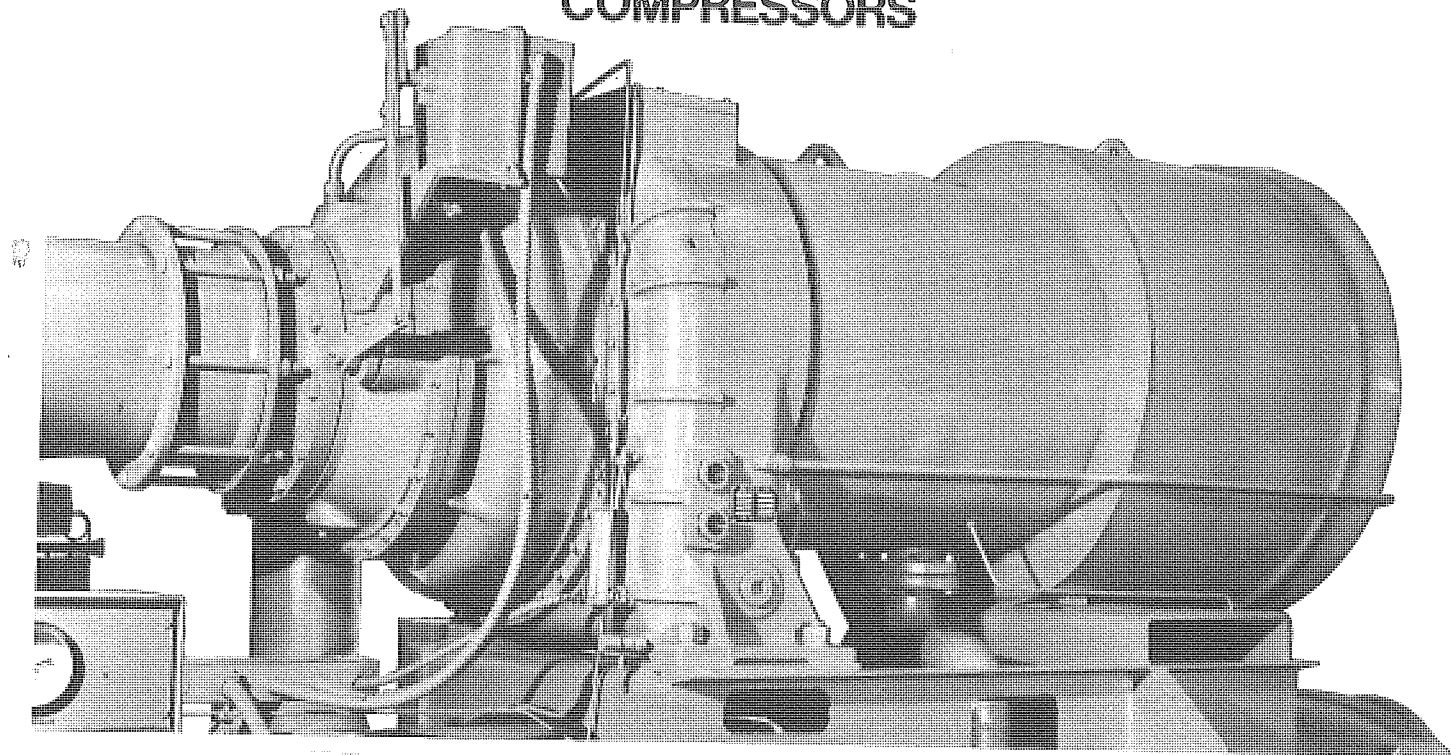


FIG. 1— HERMETIC—MOTOR COMPRESSOR, MODEL MKB

| Compressor Code | Compressor Model | Compressor Part No.            | Voltage     | Common Parts | Variable Parts |
|-----------------|------------------|--------------------------------|-------------|--------------|----------------|
|                 |                  |                                |             | See Page No. |                |
| G1              | MKB 65           | 364-44177-002<br>364-44177-004 | Low<br>High | 6, 7         | 8              |
| G2              | MKB 73           | 364-44177-003<br>364-44177-005 | Low<br>High | 6, 7         | 8              |

# COMPRESSORS—MKB65 & MKB73

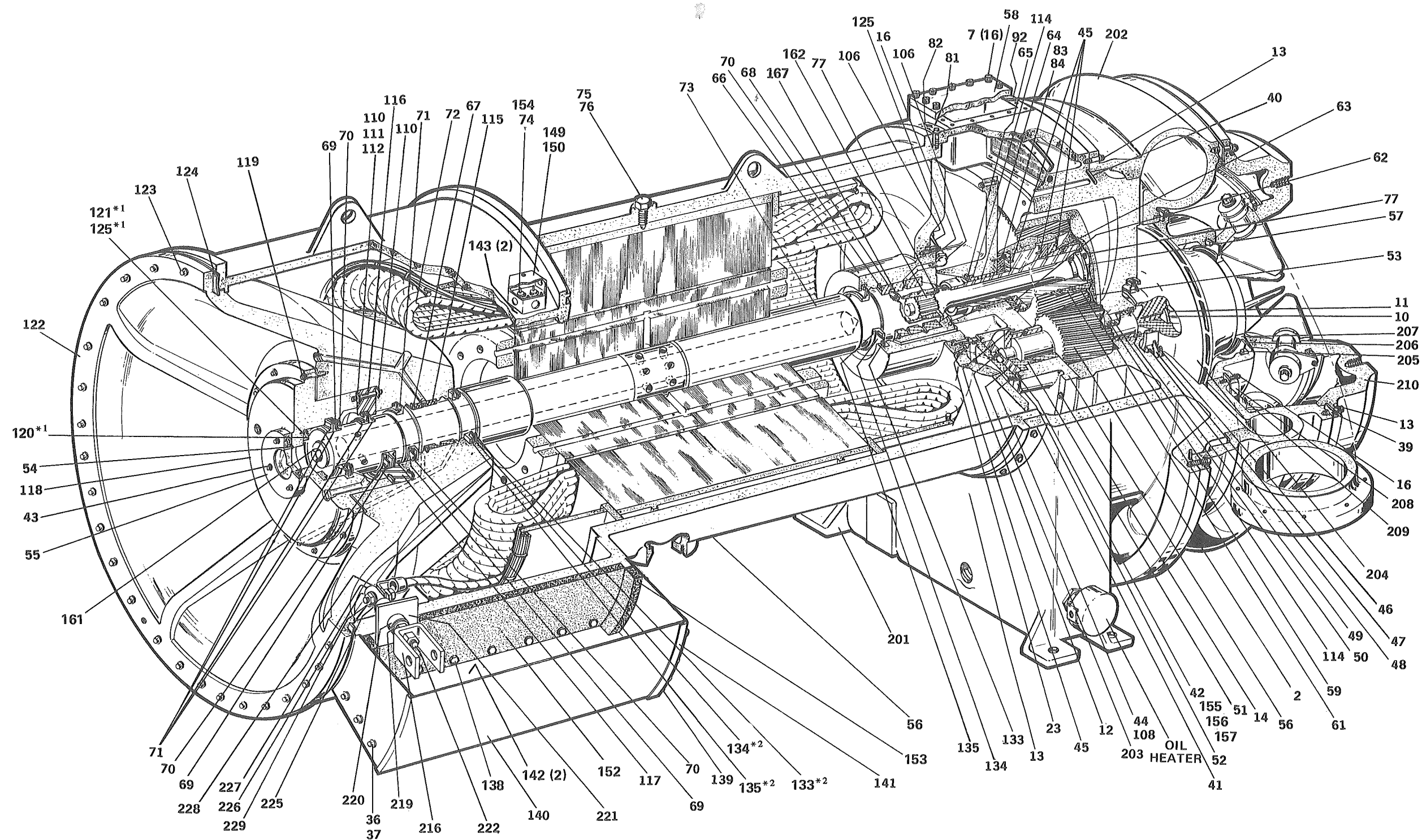


FIG. 2— MODEL MKB65 & MKB73 COMPRESSORS, PARTS LOCATION

YORK DIVISION BORG-WARNER

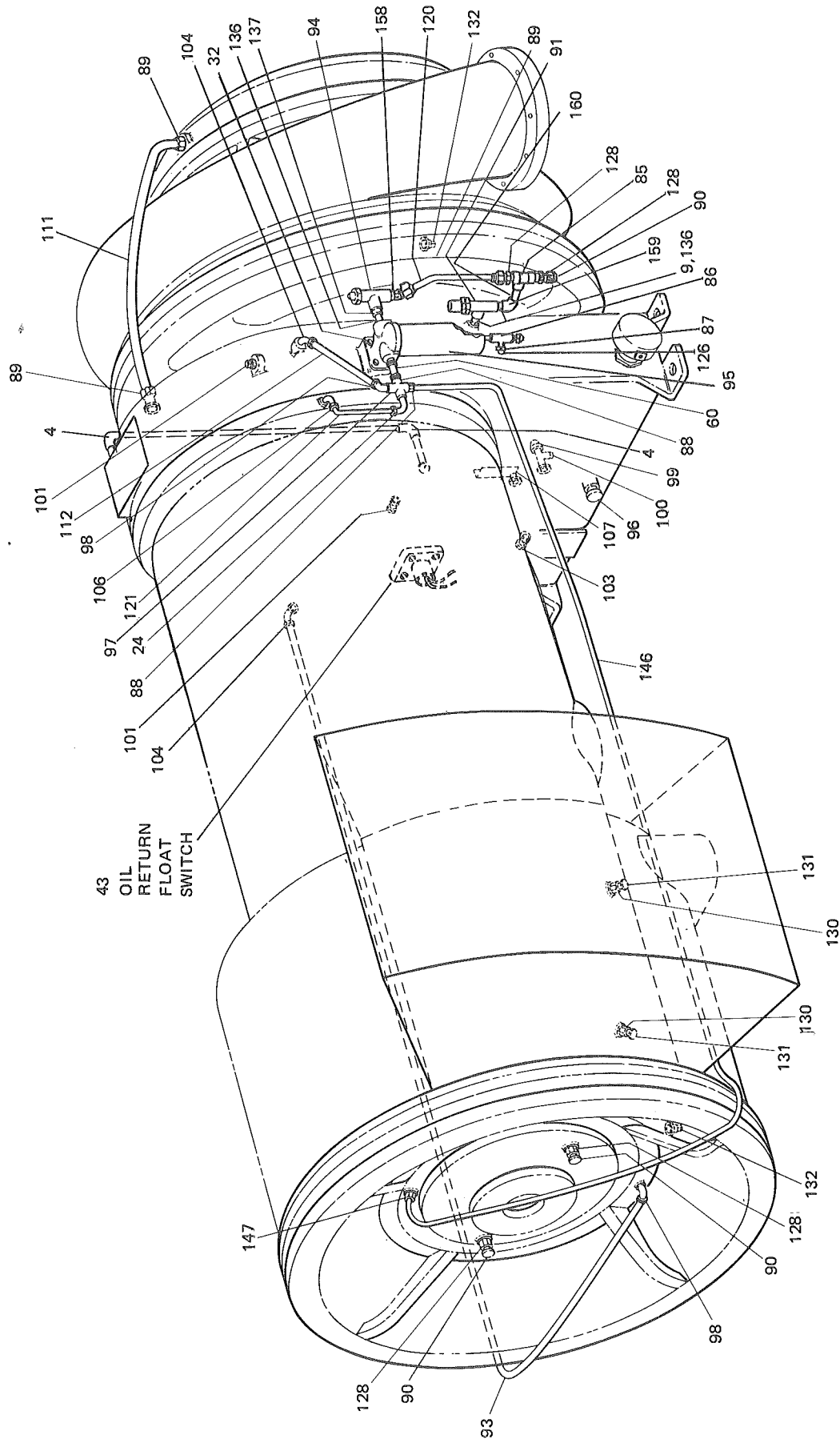
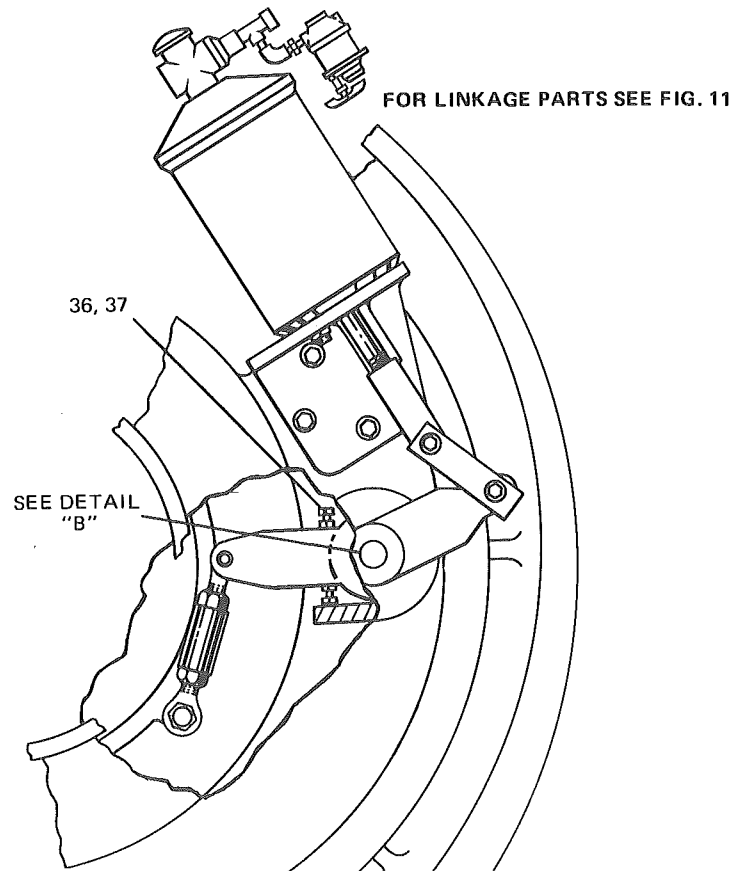
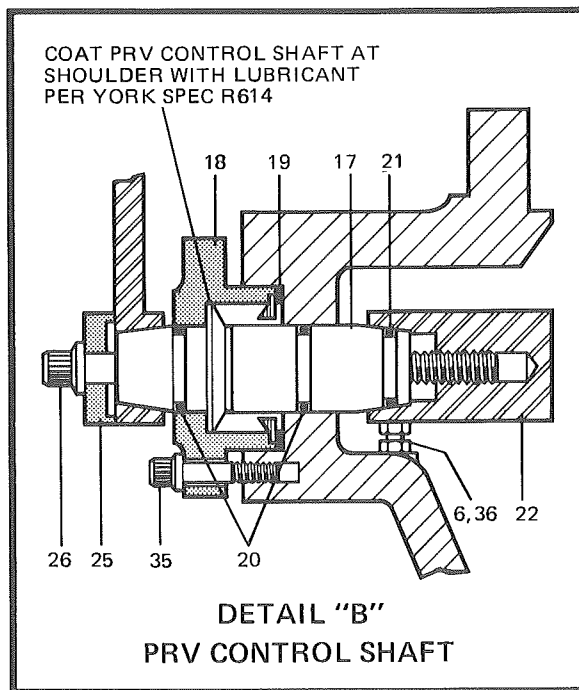
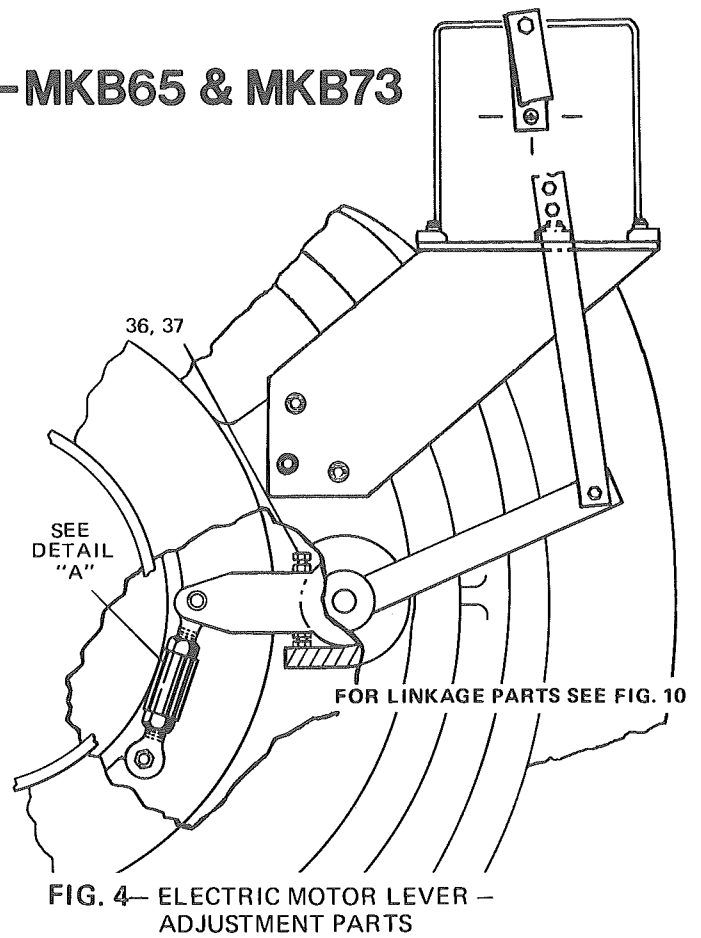
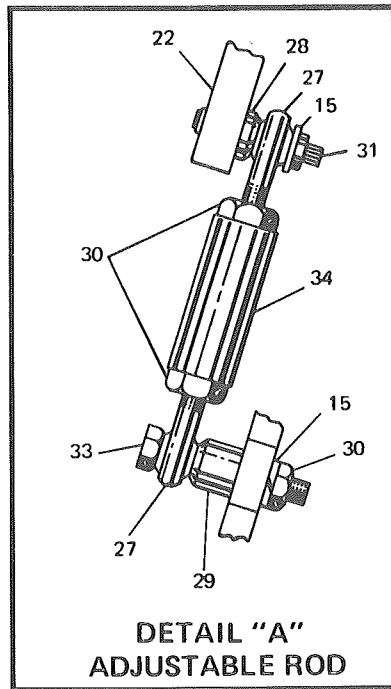


FIG. 3— MODEL MKB65 & MKB73 COMPRESSORS, EXTERIOR VIEW — PARTS LOCATION

# COMPRESSORS—MKB65 & MKB73



# COMPRESSORS—MKB65 & MKB73

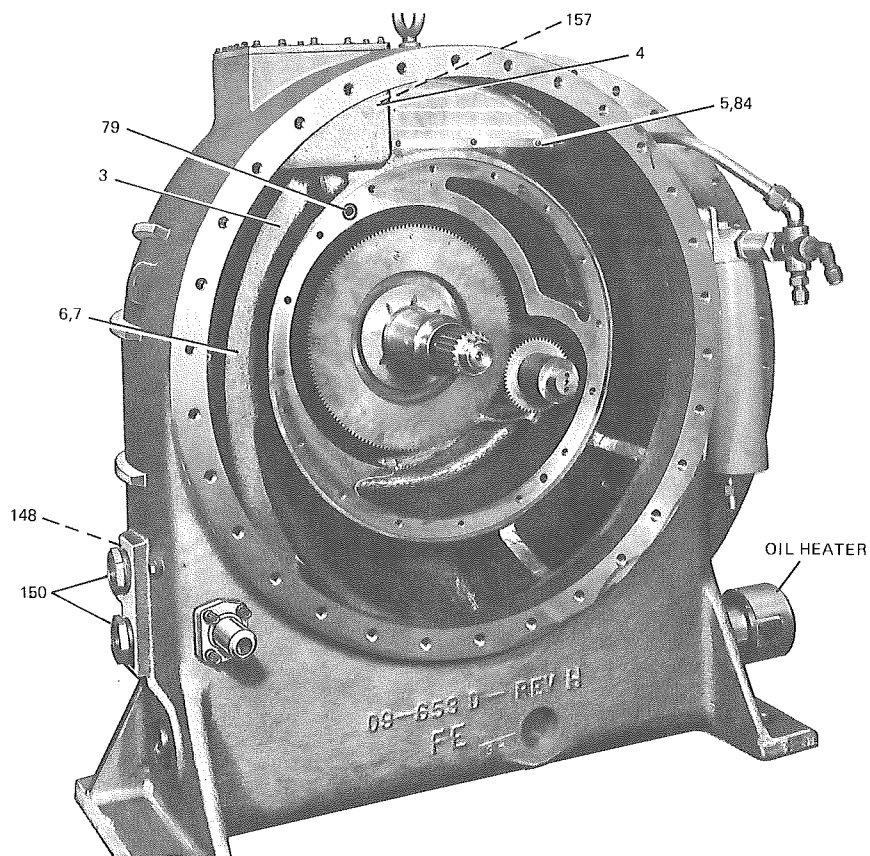
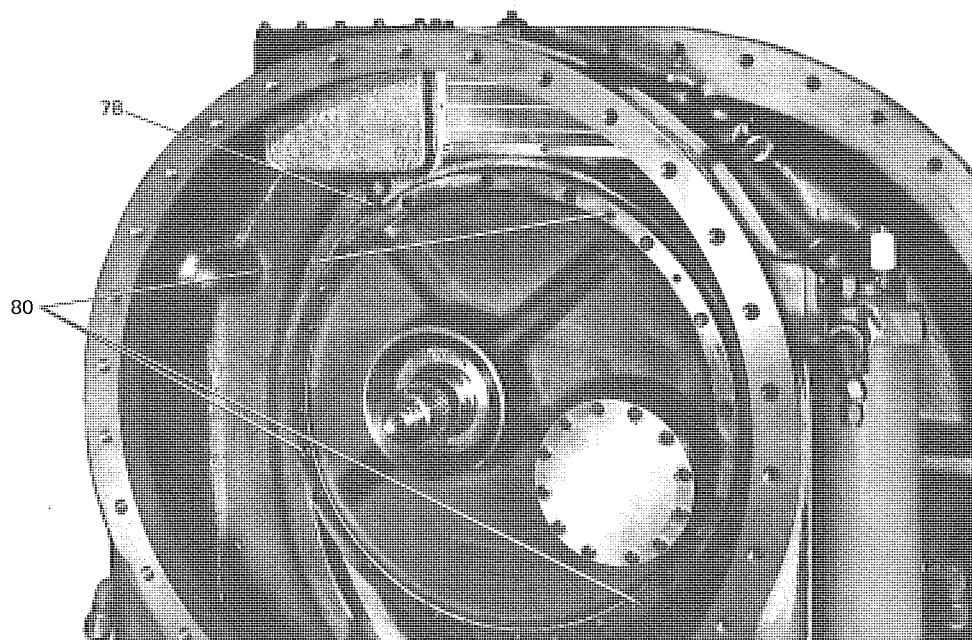


FIG. 6— COMPRESSOR INTERNAL VIEW, PARTS LOCATION

# HERMETIC COMPRESSOR COMMON PARTS LIST

| Item | Description                                      | Quan. | Part No.      | Item | Description                                    | Quan. | Part No.  |
|------|--------------------------------------------------|-------|---------------|------|------------------------------------------------|-------|-----------|
| 1    | Eliminator, Oil                                  | 1     | 364-28144     | 44   | Washer, 11/32 X 11/16 X .065 Thk.              | 12    | 021-05166 |
| 2    | Gear (20) & Pinion (26)                          | 1     | See Data      | 45   | Pin, Insert, 1/4 Dia. X 5/8 Lg.                | 6     | 029-03989 |
| 3    | Tube, 1/4 O.D. X .049 W X 27-1/16 Lg.            | 1     | Nameplate     | 46   | Ring, Retaining                                | 1     | 029-10336 |
| 4    | Elbow, 90°, 1/8 NPTE x 1/4 Tube                  | 1     | 067-91500     | 47   | Washer, Flat Spring                            | 1     | 064-31191 |
| 5    | Screw Mach. Rd. Hd. Recd. #10-24 UNC X 1/2 Lg.   | 2     | 023-07170     | 48   | Ring, Seal, Balance Piston                     | 1     | 064-31189 |
| 6    | Nut, Hex, 1/4-20 UNC                             | 3     | 021-02459     | 49   | Ring, Retaining                                | 1     | 029-13854 |
| 7    | Screw Cap 12 Pt. Hd. 5/16-18 UNC x 1-1/4 Lg.     | 4     | 021-00574     | *50  | Bearing, Main (Pinion)                         | 1     | 064-31190 |
| 8    | Tube, 5/8 O.D. X .049 W X 6 Lg.                  | 16    | 021-14440     | 51   | Bearing, Thrust & Journal (Pinion)             | 1     | 064-31188 |
| 9    | Adapter, 1 NPTE x 1/4 NPTI Both Ends             | 1     | 064-19162     | *52  | Cover, Thrust                                  | 1     | 064-24124 |
| 10   | Collar, Imp. Clamping                            | 1     | 064-28148     | 53   |                                                | 1     |           |
| 11   | Screw Cap 12 Pt. Hd. 1/2-20 UNF-3A X 3 Lg.       | 3     | 064-24116     | *54  | Seal, O-Ring 1-13/16 I.D. X 3/32 Sect.         | 1     | 028-07407 |
| 12   | Screw Cap 12 Pt. Hd. 5/16-18 UNC-3A X 3/4 Lg.    | 2     | 021-11515     | 55   | Sight Glass                                    | 1     | 026-13123 |
| 13   | Screw Cap 12 Pt. Hd. 5/8-11 UNC-3A X 1-3/4 Lg.   | 30    | 021-11394     | 56   | Housing, Motor                                 | 1     | 364-43492 |
| 14   | Screw Cap 12 Pt. Hd. 3/8-16 UNC-3A X 2 Lg.       | 16    | 021-11127     | 57   | Shaft, Drive                                   | 1     | 029-11844 |
| 15   | Lockwasher, Spg. 3/8                             | 2     | 021-11917     | 58   | Cover, Oil Reservoir                           | 1     | 064-43792 |
| 16   | Screw Cap 12 Pt. Hd. 3/8-16 UNC-3A X 1-1/4 Lg.   | 30    | 021-05291     | *59  | Bearing, Thrust & Journal (Gear)               | 1     | 064-23741 |
| 17   | Shaft Control PRV                                | 1     | 021-11141     | 60   | Valve, Check 1/2"                              | 1     | 022-01558 |
| 18   | Cover, Shaft Control                             | 1     | 029-13581     | 61   | Collar, Thrust, Front (Gear)                   | 1     | 064-24125 |
| 19   | Gasket, 2-1/2 O.D. X 2 I.D. X 1/16 Thk.          | 1     | 064-13909     | 62   | Collar, Thrust, Rear (Gear)                    | 1     | 064-24126 |
| 20   | "O" Ring, 1-3/8 O.D. X 1-1/8 I.D. X 1/8 Sect.    | 2     | 028-00781     | *63  | Bearing, Thrust (Gear)                         | 1     | 064-24127 |
| 21   | "O" Ring, 1-1/4 O.D. X 1" I.D. X 1/8 Sect.       | 1     | 028-04353     | *64  | Bearing, Rear (Gear)                           | 1     | 064-24105 |
| 22   | Lever, PRV Device Int.                           | 1     | 028-04522     | 65   | Ring, Retaining                                | 1     | 029-08780 |
| 23   | Screw Set Hex Soc. Cup Pt. #10-24 UNC X 3/16 Lg. | 1     | 364-23745     | 66   | Housing, Bearing                               | 1     | 064-24195 |
| 24   | Elbow, 90°, 3/8 Tube X 1/2 NPTE                  | 1     | 021-11313     | 67   | Ring, Retaining                                | 1     | 029-07176 |
| 25   | Washer, Spl. 1-3/4 Dia. X 1/2 Lg.                | 1     | 023-08846     | *68  | Bearing, Sleeve                                | 1     | 064-24199 |
| 26   | Screw Cap 12 Pt. Hd. 1/2-20 UNF-3A X 6 Lg.       | 2     | 064-08815     | *69  | Washer, Flat Spring                            | 2     | 064-24254 |
| 27   | Bearing, Rod End Spher.                          | 1     | 021-11998     | 70   | Ring, Retaining                                | 4     | 029-13161 |
| 28   | Fillpiece, 3/4 Dia. X 1/4 Lg.                    | 1     | 029-08343     | *71  | Ring, Shaft Seal                               | 5     | 064-24255 |
| 29   | Fillpiece, 3/4 Dia. X 23/32 Lg.                  | 1     | 064-10821     | 72   | Stator, Motor                                  | 1     | See Data  |
| 30   | Nut, Hex Reg. 3/8-24 UNF-2B                      | 3     | 064-09288     |      |                                                |       | Nameplate |
| 31   | Screw Cap, 12 Pt. Hd. 3/8-24 UNF-3A X 1-1/2 Lg.  | 2     | 021-00474     | 73   | Rotor, Motor                                   | 1     | See Data  |
| 32   | Screw Cap Hex Hd. 1/2-13 UNC-2A X 1-1/4 Lg.      | 2     | 021-11720     | *74  | Terminal, Elec. 1/4-18 NPTE                    | 1     | Nameplate |
| 33   | Screw Spec. 3/8-24 UNF X 2-1/2 Lg.               | 1     | 021-01567     | 75   | Plug, Stator Locking                           | 4     | 025-18134 |
| 34   | Rod, Adjustable                                  | 1     | 064-09287     | 76   | "O" Ring, 1-1/8 O.D. X 15/16 I.D. X 3/32 Sect. | 1     | 064-12161 |
| 35   | Screw Cap 12 Pt. Hd. 3/8-16 UNC-3A X 1-1/2 Lg.   | 2     | 021-11175     | 77   | Screw Cap 12 Pt. Hd. 5/16-24 UNF-3A X 1 Lg.    | 24    | 028-05403 |
| 36   | Screw Cap Hex Hd. 1/4-20 UNC-3 X 3/4 Lg.         | 14    | 021-01379     | 78   | Plug, Pipe Hex Soc. Csk. 3/8                   | 2     | 023-04298 |
| 37   | Nut, Hex 1/4-20 UNC-2B                           | 12    | 021-00450     | 79   | "O" Ring, 7/8 O.D. X 11/16 I.D. X 3/32 Sect.   | 1     | 028-05404 |
| 38   | Locktite "Nut Lock"                              | .004  | 013-01678     | 80   | Pin, Dowel, Str. 1/2 Dia. X 2 Lg.              | 3     | 029-10646 |
| *39  | Gasket, PRV Hsg. to Scroll                       | 1     | 064-24118     | 81   | Nameplate, Rotation                            | 1     | 029-00334 |
| 40   | Seal, O-Ring 30.969 I.D. x .275 Sect.            | 1     | 028-09489     | 82   | Screw Drive #4 X 1/4 Lg.                       | 6     | 021-03720 |
| *41  | Gasket, Rotor Supp. to Bearing Housing           | 1     | 064-24120     | 83   | Screw Cap Hex Soc. #10-24 UNC X 1 Lg.          | 2     | 021-10153 |
| *42  | Gasket, Cover, Thrust 1/32 Thk.                  | 1     | 064-24121-004 | 84   | Washer, Plain, 7/32 I.D. X 1/2 O.D. X .049     | 5     | 021-05164 |
| 43   | Screw Cap 12 Pt. Hd. 5/16-18 UNC-3A X 1 Lg.      | 8     | 021-12039     |      |                                                |       |           |

\* - Parts Included Field Replacement Kit - 364-34337 † - Kit Includes Obsolete Parts { Pin, Insert 2 029-06841  
Bearing, Main 1 064-23923

## HERMETIC COMPRESSOR COMMON PARTS LIST CONTINUED

| Item | Description                                     | Quan. | Part No.   | Item | Description                                  | Quan. | Part No.      |
|------|-------------------------------------------------|-------|------------|------|----------------------------------------------|-------|---------------|
| 85   | Tee, Screw 3/4 x 3/4 x 1/2                      | 1     | 023-04357  | 130  | Connection, 3/8 Tube X 3/8 MPT               | 2     | 023-06802     |
| 86   | Valve, Stop Angle 1/4 FLA x 1/4 NPTE            | 1     | 022-03836  | 131  | Cap, 3/8 Tube                                | 2     | 023-08880     |
| 87   | Nut, Flare 1/4"                                 | 1     | 021-05675  | 132  | Plug, Pipe, Rec. Hd. 1/2                     | 2     | 023-01994     |
| 88   | Connection, 3/8 Tube x 1/2 NPTE                 | 1     | 023-08876  | 133  | Ring, Retaining Int.                         | 2     | 029-08503     |
| 89   | Connection, 5/8 Tube x 1/2 NPTE                 | 2     | 023-06805  | *134 | Washer, Flat Spring                          | 2     | 064-24378     |
| 90   | Cap, 3/4 Tube                                   | 3     | 023-09072  | *135 | Ring, Shaft Seal                             | 2     | 064-24377     |
| 91   | Valve, Pressure Relief 1/2 NPTI                 | 1     | 022-03427  | 136  | Nipple, Pipe 1/2 Sch. 80 X 1-1/8 Lg.         | 3     | 067-39601     |
| 92   | Gasket, Cover Oil Reservoir                     | 1     | 064-43793  | 137  | Bushing, Pipe 1/2 X 3/4                      | 1     | 023-04010     |
| 93   | Tubing, 5/8 O.D. X .049 Wall X 86 Lg.           | 1     | 064-31778  | 138  | Screw Cap 12 Pt. Hd. 3/8-16 UNC-3A X 5/8 Lg. | 12    | 021-11979     |
| 94   | Valve, Stop Angle 3/4 Type 2                    | 1     | 368-00008  | 139  | Screw Self Tapping #6-32 X 1/4 Lg.           | 6     | 021-10027     |
| *95  | Filter, 1/2 NPTI (Filter & Body)                | 1     | 2026-13831 | 140  | Cover, Box Term.                             | 1     | 364-24227     |
| 96   | Cap, Seal 2-1/8                                 | 1     | 028-04653  | 141  | Panel, Side Term. Box                        | 1     | 364-24226     |
| 97   | Cross, Screw 1/2 NPTI                           | 1     | 023-04328  | 142  | Support, End Term. Box                       | 2     | 064-45177     |
| 98   | Elbow, 45°, 5/8 Tube X 1/2 NPTE                 | 2     | 023-07197  | 143  | Screw, Mach Rd. No. 8-32 x 5/16" Lg.         | 2     | 021-11979     |
| 99   | Valve, Stop, Angle 3/8-Type 1                   | 1     | 368-00003  | 144  | Tape, Glass Fibre                            | 1 ft. | 035-00131     |
| 100  | Plug, Pipe, Sq. Hd. 3/8                         | 1     | 023-01983  | 145  | Varnish (Gal.)                               | .001  | 013-01016     |
| 101  | Plug, Pipe, Sq. Hd. 1/4                         | 2     | 023-01972  | 146  | Tubing, 3/8 O.D. X .049 Wall x 106" Lg.      | 1     | 064-31767     |
| 102  | Plug, Pipe, Sq. Hd. 3/4                         | 1     | 023-04053  | 147  | Connection, 3/8 Tube X 1/4 NPTE              | 1     | 023-06801     |
| 103  | Plug, Pipe, Hex Skt. Csk. 2"                    | 1     | 023-02027  | 148  | Nameplate, Patent                            | 1     | 029-13270-002 |
| 104  | Elbow, 90°, 5/8 Tube X 1/2 MPT                  | 3     | 023-06818  | 149  | Box, Electrical Oct.                         | 1     | 025-10290     |
| 105  | Plug, Pipe, 3/8 Hex Skt. Csk.                   | 1     | 023-04298  | 150  | Cover, Box Elec. Oct.                        | 1     | 025-10291     |
| 106  | Elbow, 90°, 3/8 Tube X 1/4 MPT                  | 3     | 023-06814  | 151  | Plug, Sight 1-1/2-1/2 NPTE                   | 1     | 026-16556     |
| 107  | Thermometer                                     | 1     | 026-16555  | 152  | Ins., Therm. 3/4 x 20-3/4 x 24-1/4           | 1     | 064-29677     |
| 108  | Screw Cap 12 Pt. Hd. 5/16-18 UNC-3A X 1-3/8 Lg. | 12    | 021-12465  | *153 | Ins. Therm. 3/4 x 1 x 25-3/4                 | 2     | 064-29676     |
| 109  | Compound Sealer                                 | .050  | 013-01671  | *154 | Terminal Push-on Female                      | 4     | 025-06642     |
| *110 | Gasket, Liquid Seal Hsg. 1/16                   | 2     | 064-24282  | *155 | Gasket, Cover Thrust .005 thk.               | 1     | 064-24121-001 |
| 111  | Tube, 5/8 O.D. x .049 Wall x 25" Lg.            | 1     | 064-31777  | *156 | Gasket, Cover Thrust .010 thk.               | 1     | 064-24121-002 |
| 112  | Tube, 5/8 O.D. x .049 Wall x 14" Lg.            | 1     | 064-31775  | 157  | Gasket, Cover Thrust .015 thk.               | 1     | 064-24121-003 |
| 113  | Plug, Pipe 1/8 Hex Skt. Csk. Hd.                | 2     | 023-01970  | 158  | Elbow, Cinch 45°-3/4 Tube x 3/4 NPTE         | 1     | 023-07264     |
| *114 | Pin, Insert, 1/8 X 9/16 Lg.                     | 2     | 029-03990  | 159  | Elbow, Screw 90°-1/2 NPTE                    | 1     | 023-04312     |
| *115 | Bearing, Sleeve (Term. End)                     | 1     | 064-24198  | 160  | Nipple, Pipe 1/2" Sch. 80 x 3" Lg.           | 1     | 067-39604     |
| 116  | Pin, Insert 3/8 Dia. X 2 Lg.                    | 1     | 029-09010  | 161  | Plug Rotor                                   | 1     | 064-24247     |
| 117  | Plate, Retaining, Liquid Seal                   | 1     | 064-24197  | 162  | Insert Spline                                | 1     | 029-11843     |
| 118  | Hsg. Liquid Seal                                | 1     | 064-24196  |      |                                              |       |               |
| 119  | Screw Cap 12 Pt. Hd. 3/8-16 UNC-3A X 1-3/4      | 12    | 021-11916  |      |                                              |       |               |
| 120  | Tube, 3/4 O.D. x .049 Wall x 18" Lg.            | 1     | 064-31781  |      |                                              |       |               |
| 121  | Tube, 3/8 O.D. x .049 Wall x 9" Lg.             | 1     | 064-31760  |      |                                              |       |               |
| 122  | Hsg. Bearing, Terminal End                      | 1     | 064-43670  |      |                                              |       |               |
| *123 | Screw Cap 12 Pt. Hd. 5/8-11 UNC-3A X 2 Lg.      | 96    | 021-11971  |      |                                              |       |               |
| 124  | Gasket, Rear Bearing Hsg.                       | 1     | 064-24283  |      |                                              |       |               |
| 125  | Tube, 3/8 O.D. x .049 Wall x 17" Lg.            | 1     | 064-31762  |      |                                              |       |               |
| 126  | Bonnet, Flare 1/4"                              | 1     | 023-01024  |      |                                              |       |               |
| 127  | Label, Caution                                  | 1     | 035-00874  |      |                                              |       |               |
| 128  | Connection, 3/4 Tube X 3/4 NPTE                 | 4     | 023-06807  |      |                                              |       |               |

\* - Parts Included Field Replacement Kit - 364-34337 † - Kit Includes Obsolete Parts

Pin, Insert 2 029-06841  
Bearing, Main 1 064-23923

2 - Filter Element only 026-11225.

# HERMETIC COMPRESSOR VARIABLE PARTS LIST

| Item | Description                                    | Model<br>MKB-65 (L.V.)<br>364-41777-002 |       | Model<br>MKB-73 (L.V.)<br>364-41777-002 |       | Model<br>MKB-65 (H.V.)<br>364-41777-004 |       | Model<br>MKB-73 (H.V.)<br>364-41777-005 |       |
|------|------------------------------------------------|-----------------------------------------|-------|-----------------------------------------|-------|-----------------------------------------|-------|-----------------------------------------|-------|
|      |                                                | Part No.                                | Quan. | Part No.                                | Quan. | Part No.                                | Quan. | Part No.                                | Quan. |
| 200  | Common Parts                                   | 364-44177<br>-001                       | 1     | 364-44177<br>-001                       | 1     | 364-44177<br>-001                       | 1     | 364-44177<br>-001                       | 1     |
| 201  | Support, Rotor                                 | 364-43863D                              | 1     | 364-43864D                              | 1     | 364-43863D                              | 1     | 364-43864D                              | 1     |
| 202  | Scroll, Rotor                                  | 064-43673D                              | 1     | 064-43673D                              | 1     | 064-43674D                              | 1     | 064-43673D                              | 1     |
| 203  | Collar, Thrust (Pinion)                        | 064-24130B                              | 1     | 064-34131B                              | 1     | 064-24130B                              | 1     | 064-24131B                              | 1     |
| 204  | Impeller                                       | 064-31194D                              | 1     | 064-31195D                              | 1     | 064-31194D                              | 1     | 064-31195D                              | 1     |
| 205  | Ring, Impeller Seal                            | 064-23977C                              | 1     | 064-23980C                              | 1     | 064-23977C                              | 1     | 064-23980C                              | 1     |
| 206  | Washer, Flat Spring                            | 064-23978A                              | 1     | 064-23981A                              | 1     | 064-23978A                              | 1     | 064-23981A                              | 1     |
| 207  | Ring, Int. Retaining                           | 064-23979B                              | 1     | 064-23982B                              | 1     | 064-23979B                              | 1     | 064-23982B                              | 1     |
| 208  | Plate, Imp. Seal Retaining                     | 064-23726D                              | 1     | 064-23727D                              | 1     | 064-23726D                              | 1     | 064-23727D                              | 1     |
| 209  | Gasket, Retaining Plate                        | 064-24122A                              | 1     | 064-24123A                              | 1     | 064-24122A                              | 1     | 064-24123A                              | 1     |
| 210  | Device, P.R.V.                                 | 364-43861C                              | 1     | 364-43862C                              | 1     | 364-43861C                              | 1     | 364-43862C                              | 1     |
| 211  | Plug-Pipe, 1" NPT                              | —                                       | —     | —                                       | —     | 023-05909                               | 3     | 023-05909                               | 3     |
| 212  | Screw, Cap Hex Hd. 3/8-16 UNC x 1-1/2          | 021-01497                               | 6     | 021-01497                               | 6     | 021-01497                               | 3     | 021-01497                               | 3     |
| 213  | Lockwasher, Spring                             | 021-05247                               | 6     | 021-05247                               | 6     | 021-05247                               | 3     | 021-05247                               | 3     |
| 214  | Washer, Plain                                  | 021-01274                               | 12    | 021-01274                               | 12    | 021-01274                               | 6     | 021-01274                               | 6     |
| 215  | Nut, Hex 3/8-16 UNC-3B                         | 021-00466                               | 6     | 021-00466                               | 6     | 021-00466                               | 3     | 021-00466                               | 3     |
| 216  | Connector, Terminal                            | 064-38045                               | 6     | 064-38045                               | 6     | 064-38045                               | 3     | 064-38045                               | 3     |
| 217  | Terminal, Motor                                | 025-18133                               | 6     | 025-18133                               | 6     | 025-18133                               | 3     | 025-18133                               | 3     |
| 218  | Bar, Jumper                                    | 764-95022                               | 3     | 764-95022                               | 3     | —                                       | —     | —                                       | —     |
| 219  | Washer, Plain                                  | —                                       | —     | —                                       | —     | 021-01239                               | 3     | 021-01239                               | 3     |
| 220  | Tube, Micarta 1" I.D. x 1-1/2" O.D. x 3/4" Lg. | —                                       | —     | —                                       | —     | 064-42127                               | 3     | 064-42127                               | 3     |
| 221  | Plate, Insulating                              | —                                       | —     | —                                       | —     | 025-14470A                              | 3     | 025-14470A                              | 3     |
| 222  | Adh. Sealing                                   | —                                       | —     | —                                       | —     | 013-02065                               | .010  | 013-02065                               | .010  |
| 223  | Label Ground                                   | —                                       | —     | —                                       | —     | 035-02712A                              | 1     | 035-02712A                              | 1     |
| 224  | Screw, Cap Hex Hd. 1/4-20 UNC x 1/2            | —                                       | —     | —                                       | —     | 021-02438                               | 1     | 021-02438                               | 1     |
| 225  | Lockwasher, Th Int 1/4                         | —                                       | —     | —                                       | —     | 021-01153                               | 1     | 021-01153                               | 1     |
| 226  | Lug, Elec.                                     | —                                       | —     | —                                       | —     | 025-19985                               | 1     | 025-19985                               | 1     |
| 227  | Label, Ground                                  | 035-03156A                              | 1     | 035-03156                               | 1     | —                                       | —     | —                                       | —     |
| 228  | Screw, Cap Hex.Hd. 3/8-16UNC x 1/2             | 021-14380                               | 1     | 021-14380                               | 1     | —                                       | —     | —                                       | —     |
| 229  | Lockwasher, Th Int 3/8                         | 021-01158                               | 1     | 021-01158                               | 1     | —                                       | —     | —                                       | —     |

\* — Parts Included Field Replacement Kit — 364-34337

# COMPRESSORS—MKB65 & MKB73

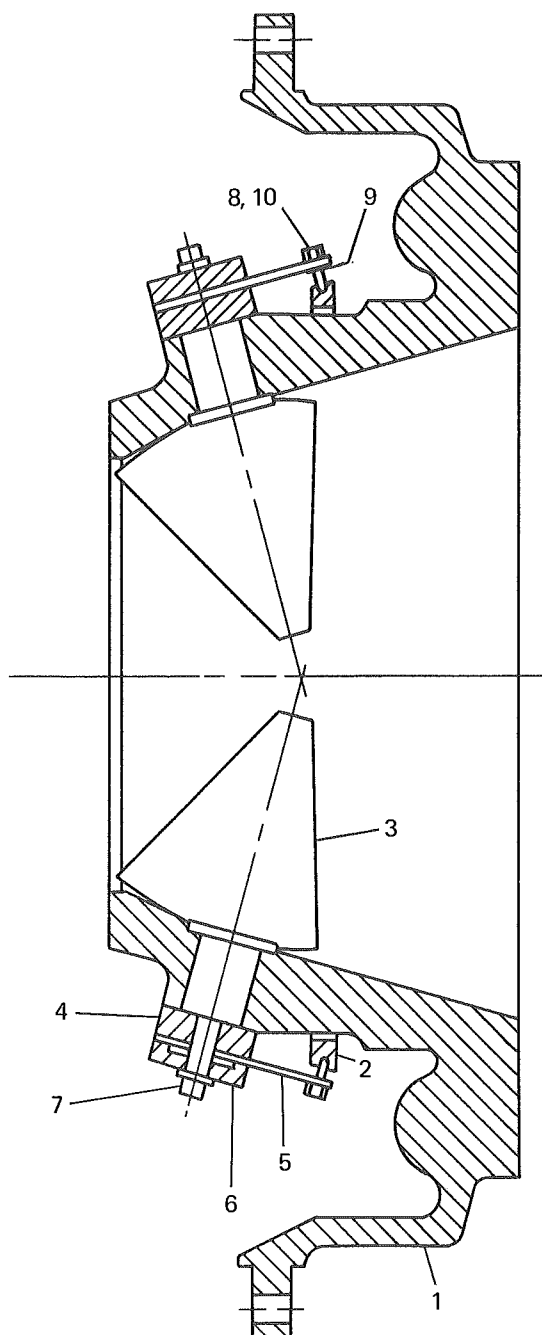
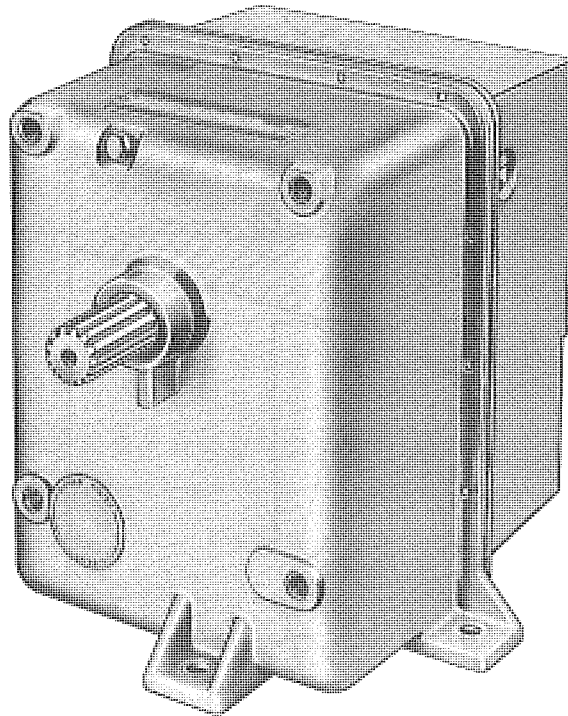


FIG. 7— PRV ASSEMBLY

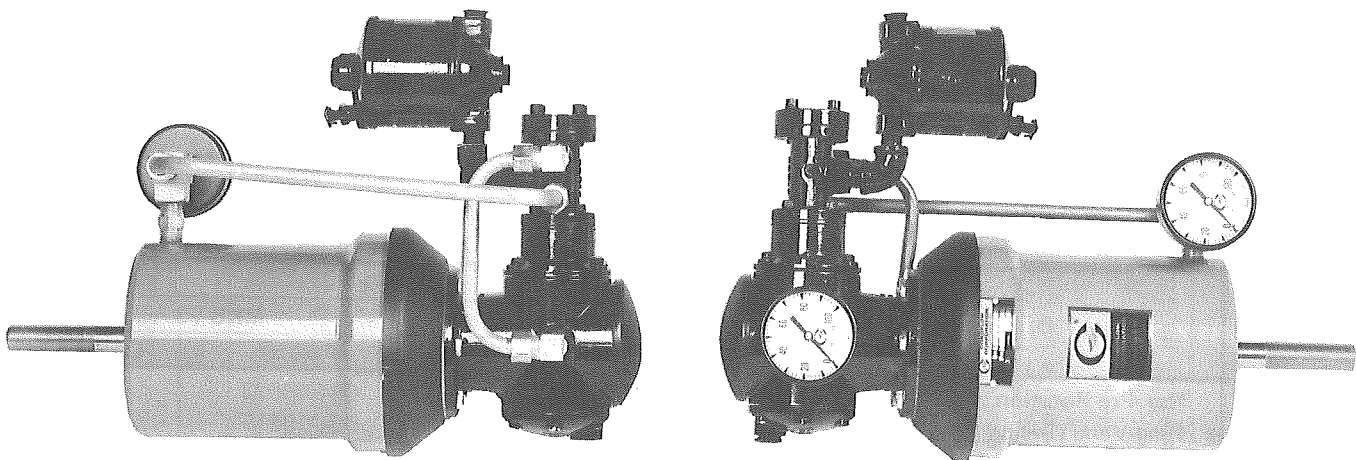
| Item | Description                        | Models    |       |           |       |
|------|------------------------------------|-----------|-------|-----------|-------|
|      |                                    | MKB-65    |       | MKB-73    |       |
|      |                                    | Part No.  | Quan. | Part No.  | Quan. |
| 1    | Hsg.-Pre-Rotation                  | 064-46672 | 1     | 064-46673 | 1     |
| 2    | Ring-Vane Driving                  | 064-10815 | 1     | 064-10815 | 1     |
| 3    | Vane-Pre-Rotation                  | 064-18781 | 9     | 064-18781 | 9     |
| 4    | Washer                             | 064-10819 | 9     | 064-10819 | 9     |
| 5    | Arm-Vane                           | 064-10818 | 9     | 064-10818 | 9     |
| 6    | Washer-Special                     | 064-09289 | 9     | 064-09289 | 9     |
| 7    | Scr, Cap 12 Ft, 5/8-18 X 2-3/4 Lg. | 021-11956 | 9     | 021-11956 | 9     |
| 8    | Screw-Ball                         | 029-07017 | 9     | 029-07017 | 9     |
| 9    | Washer                             | 021-11973 | 10    | 021-11973 | 10    |
| 10   | Nut, Hex; 1/4-28 UNF 3B            | 021-12943 | 9     | 021-12943 | 9     |

## PRV – ELECTRIC MOTOR ACTUATORS



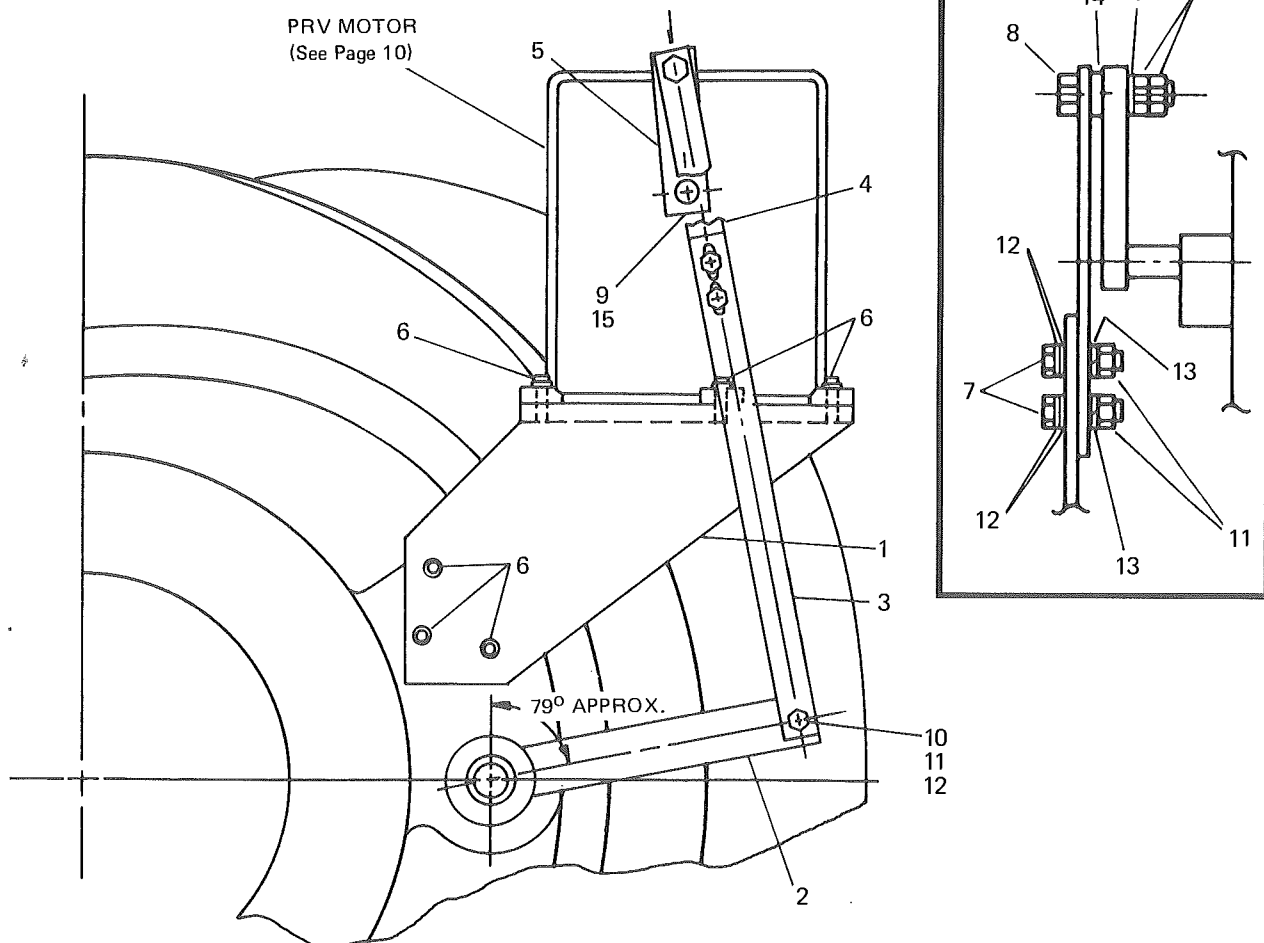
| Compr.<br>Model | Part No.<br>115V-1-50/60 | Part No.<br>220-1-50 | Quan. |
|-----------------|--------------------------|----------------------|-------|
| MKB-65          | 025-18411                | 025-19256            | 1     |
| MKB-73          | 025-18411                | 025-19256            | 1     |

FIG. 8— ELECTRIC MOTOR ACTUATORS



| Compr.<br>Model | Part No.  | Quan. |
|-----------------|-----------|-------|
| MKB-65          | 024-09425 | 1     |
| MKB-73          | 024-09425 | 1     |

FIG. 9— PRV – AIR OPERATED (PNEUMATIC) POSITIONERS



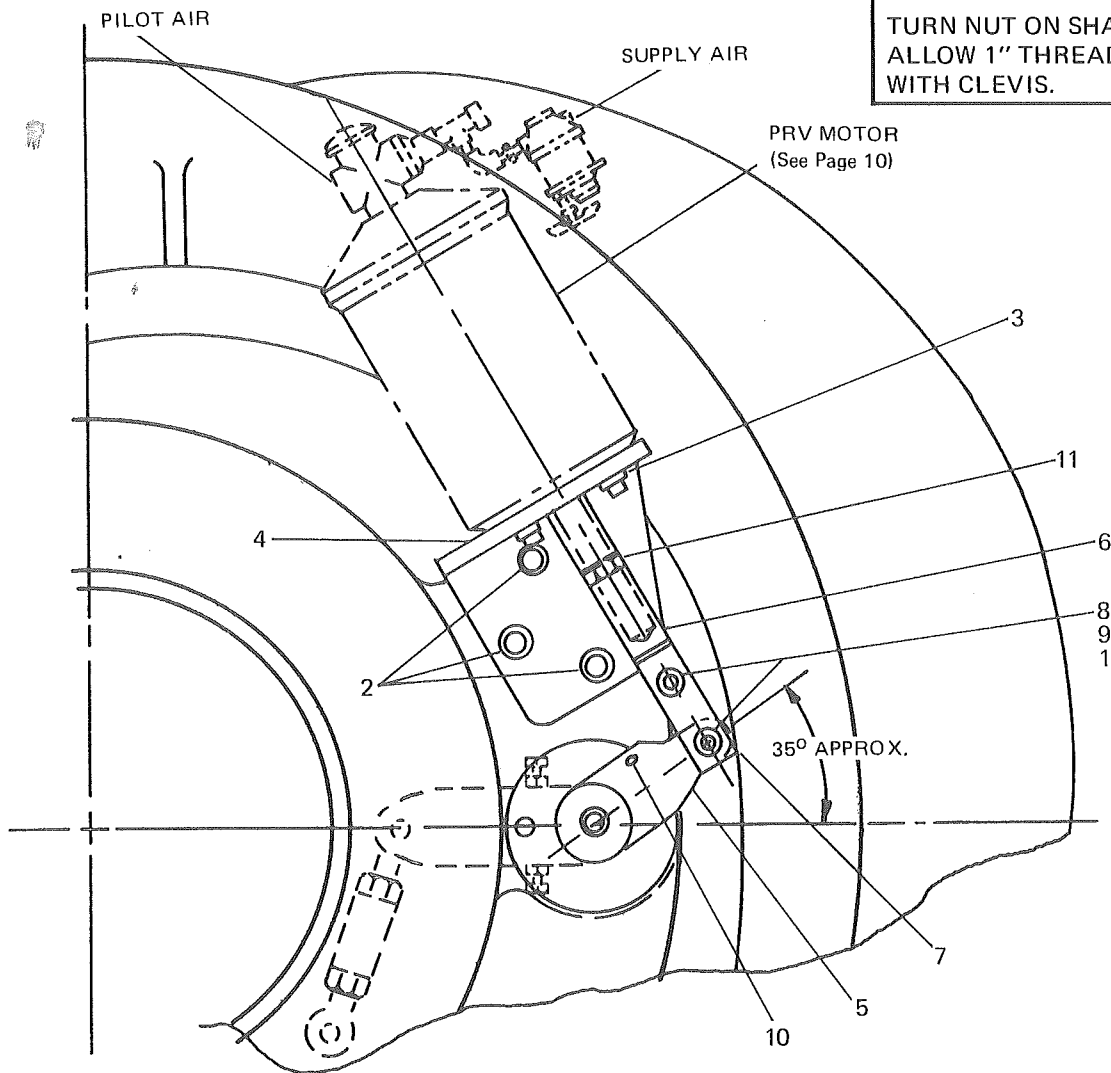
| Item | Description                              | Quan. | Part No.  |
|------|------------------------------------------|-------|-----------|
| 1    | Bracket, Mounting P.R.V. Motor           | 1     | 064-39185 |
| 2    | Lever, P.R.V. External                   | 1     | 364-28252 |
| 3    | Link, External P.R.V. Motor              | 1     | 064-39186 |
| 4    | Link, External P.R.V. Motor              | 1     | 064-28237 |
| 5    | Lever, P.R.V. Motor                      | 1     | 064-39187 |
| 6    | Screw, Cap 12 Pt. Hd. 3/8-16 X 1-1/8 Lg. | 6     | 021-11148 |
| 7    | Screw, Cap Hex. Hd. 1/4-20 X 1 Lg.       | 2     | 021-11914 |
| 8    | Bolt, Shoulder 1/4-20 X 1-5/8 Lg.        | 1     | 064-28286 |
| 9    | Screw, Set Hex. Soc. #10-24 X 3/8 Lg.    | 1     | 021-03910 |
| 10   | Bolt, Shoulder 1/4-20 X 1-3/8 Lg.        | 1     | 064-28262 |
| 11   | Nut, Hex 1/4-20 UNC                      | 6     | 021-00450 |
| 12   | Washer, Plain 9/32 I.D.                  | 6     | 021-05165 |
| 13   | Lockwasher, Spring 1/4                   | 2     | 021-05267 |
| 14   | Ring, Fill                               | 1     | 064-29258 |
| 15   | Sealer, Grade CV                         | .010  | 013-01678 |

NOTE: VIEW SHOWING LINKAGE IN CLOSED POSITION.  
VANES MUST BE FULLY CLOSED WHEN MOTOR IS AT ITS  
CCW STOP (FACING CRANK ARM END) POSITION. VANE  
MUST TRAVEL TO OPEN OR BEYOND AT THE EXTREME  
CW MOTOR POSITION.

FIG. 10 — PRV PNEUMATIC EXTERNAL LINKAGE

VANES & MOTOR ARE TO BE IN  
CLOSED POSITION WHEN  
ASSEMBLING.

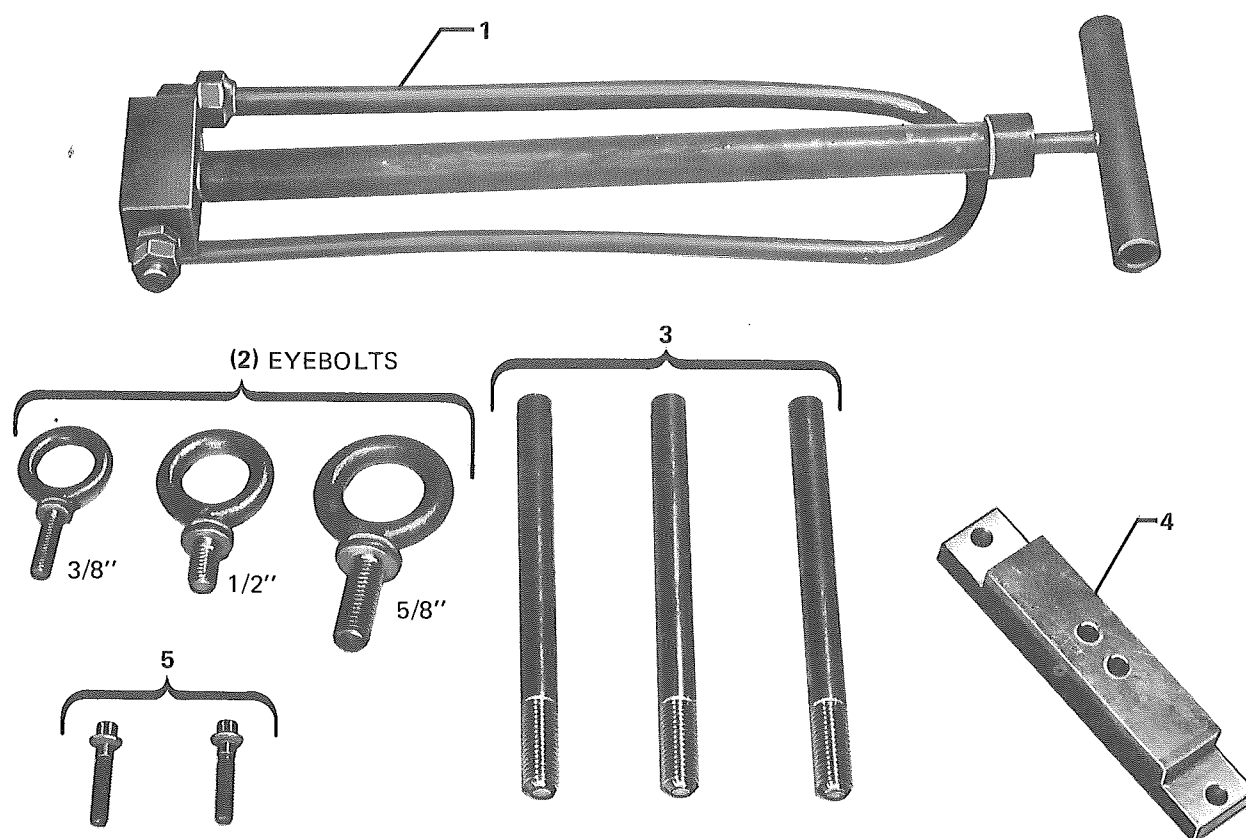
TURN NUT ON SHAFT TO  
ALLOW 1" THREAD ENGAGEMENT  
WITH CLEVIS.



| Item | Description                                      | Quan. | Part No.  |
|------|--------------------------------------------------|-------|-----------|
| 1    | Cot. Pin 3/32 Dia. X 3/4 Lg.                     | 4     | 021-01083 |
| 2    | Screw Cap 12 Pt. Hd. 3/8-16 UNC-3A X 1-3/8 Lg.   | 3     | 021-11986 |
| 3    | Screw Cap 12 Pt. Hd. 3/8-16 UNC X 3A X 1-1/4 Lg. | 4     | 021-11141 |
| 4    | Bracket, Mounting                                | 1     | 064-27596 |
| 5    | Lever                                            | 1     | 064-25791 |
| 6    | Clevis                                           | 1     | 064-07125 |
| 7    | Link                                             | 2     | 064-25792 |
| 8    | Pin 3/8 Dia. X 1-1/2 Lg.                         | 2     | 064-07127 |
| 9    | Washer, 13/32 I.D. X 13/16 O.D.                  | 4     | 021-01274 |
| 10   | Pin Insert 3/32 Dia. X 1-1/8 Lg.                 | 1     | 029-05900 |
| 11   | Nut, Hex, Heavy 5/8-18UNF                        | 1     | 021-07787 |

FIG. 11 —PRV ELECTRONIC EXTERNAL LINKAGE

# COMPRESSORS—MKB65 & MKB73

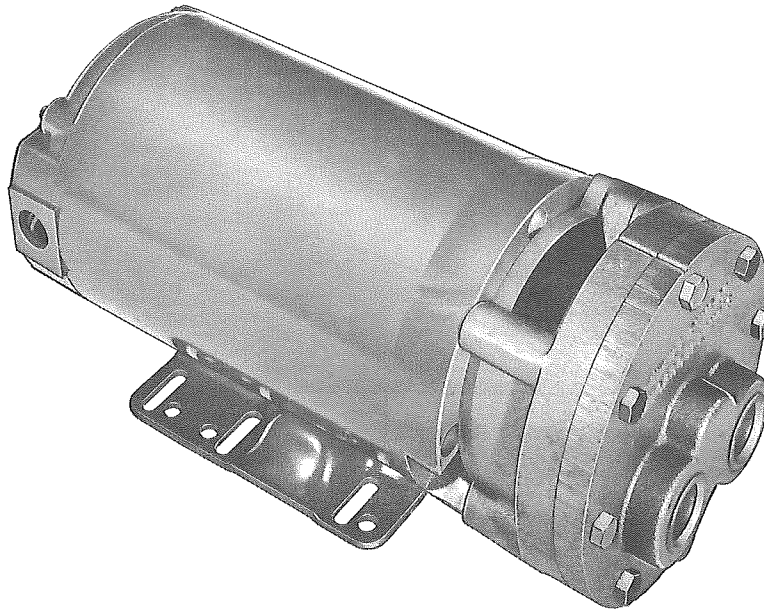


| Item | Tool Description                                 | Part No.   | Quan. |
|------|--------------------------------------------------|------------|-------|
| 1    | Complete Tool Kit                                | 464-24250  | 1     |
| 2    | Hand Oil Pump                                    | 470-10654* | 1     |
|      | Eyebolts                                         |            |       |
|      | 1/2                                              | 021-00306  | 1     |
|      | 3/8                                              | 021-13498  | 1     |
|      | 5/8                                              | 021-12366  | 1     |
| 3    | Guide Studs 5/8 X 7-1/2" Lg.                     | 064-06798  | 3     |
| 4    | Tool, H.S. Shaft Locking 1" Thk. X 1-1/4 X 6-1/2 | 064-27542  | 1     |
| 5    | Screw, Cap 12 pt. Hd. 5/16-18 UNC-2A X 1-3/8 Lg. | 021-12465  | 2     |

\*Includes Hand Oil Pump Seal, Part No. 026-10904.

FIG. 12— COMPRESSOR TOOLS FOR MODELS MKB65 & MKB73

# OIL PUMP & MOTOR ASSEMBLY



| Voltage                        | Complete Motor & Pump Assembly |                     |               | Replacement Motors         |                   |               | Replacement Oil Pumps |
|--------------------------------|--------------------------------|---------------------|---------------|----------------------------|-------------------|---------------|-----------------------|
|                                | Part No. Standard (Nema 1)     | Part No. Nema 4 & 7 | Part No. TEFC | Part No. Standard (Nema 1) | Part No. Nema 4&7 | Part No. TEFC | Part No.              |
| 208-3-60                       | 026-20166                      |                     |               | 024-18565                  |                   |               | 026-20341             |
| 220/440, 230/460, 240/480-3-60 | 026-20165                      | 026-20940           | 026-20170     | 024-18562                  | 024-18564         | 024-18563     | 026-20341             |
| 550/575/600-3-60               | 026-20167                      |                     |               | 024-18566                  |                   |               | 026-20341             |
| 190/380-3-50                   | 026-20168                      | 026-20941           | 026-20171     | 024-18567                  | 024-18569         | 024-18568     | 026-20341             |
| 415-3-50                       | 026-20169                      | 026-20908           |               | 024-18570                  |                   |               | 026-20341             |

**FIG. 13— OIL PUMP AND MOTOR ASSEMBLY**

## OIL PUMP SEAL KIT — Part No. 026-20340

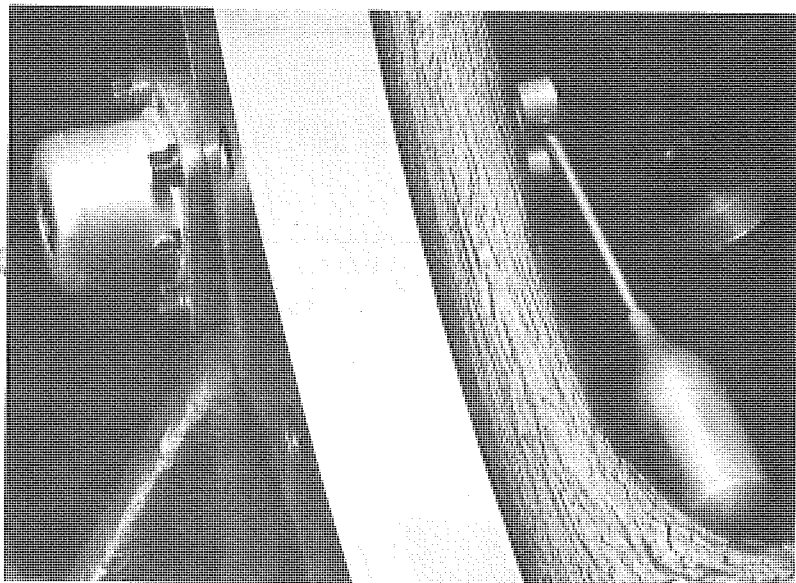
| Watts | Volts | NEMA  | Part No.      |
|-------|-------|-------|---------------|
| 1500  | 120   | 1     | 025-17700     |
| 1500  | 240   | 1     | 025-17787     |
| 1500  | 120   | 4 & 7 | 025-17701     |
| 2500  | 120   | 4 & 7 | 025-16703     |
| 2500  | 480   | 4 & 7 | 025-15977     |
| 2500  | 277   | 1     | 025-16212     |
| 2500  | 480   | 1     | 025-16298     |
| 2500  | 550   | 1     | 025-16950-900 |
| 2500  | 120   | 1     | 025-16137     |

## JUMPER BARS

| Compr. Model      | Part No.  |
|-------------------|-----------|
| MKB-65,<br>MKB-73 | 064-38106 |

## HIGH OIL TEMP. CONTROL (HOT)

| Description                                | Part No.      | Quan. |
|--------------------------------------------|---------------|-------|
| High Oil Temperature (Hot)                 | 025-15381-003 | 1     |
| High Discharge Temperature Control (HDTTC) | 025-15381-002 | 1     |

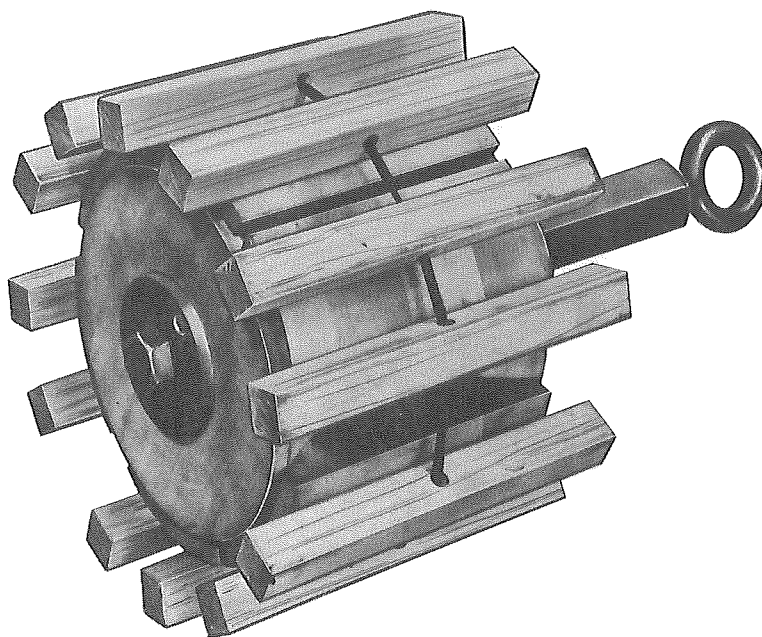


### FLOAT SWITCH OIL LEVEL

Part No.

024-16762

FIG. 14— FLOAT SWITCH



### MANDREL PARTS NUMBERS

| Compressor<br>Model No. | Min.<br>Dia. | Max.<br>Dia. | Part No.  |
|-------------------------|--------------|--------------|-----------|
| MKB-65                  | 12           | 14           | 029-13872 |
| MKB-73                  | 12           | 14           | 029-13872 |

FIG. 15— EXPANDING MANDREL

### TOOLS

| Description                   | Part No.  |
|-------------------------------|-----------|
| Pliers, Waldles Truarc. No. 5 | 029-08590 |
| Pliers, Waldles Truarc. No. 7 | 029-07934 |

### LUBRICANTS, OILS AND COMPOUNDS

| Description                                    | Part No.  |
|------------------------------------------------|-----------|
| Thread Compound, Air High Pressure—1/4 Pt. Can | 464-14934 |
| Coating Lubricant-Molykote, Type Z—2 Oz. Can   | 364-21508 |
| Oil, York Refrigeration-Type B,—5 Gal. Can     | 011-00309 |