

# YORK®

## OM TURBOMASTER CENTRIFUGAL LIQUID CHILLING UNITS 1000 THRU 8500 TONS

Page 4

RENEWAL PARTS

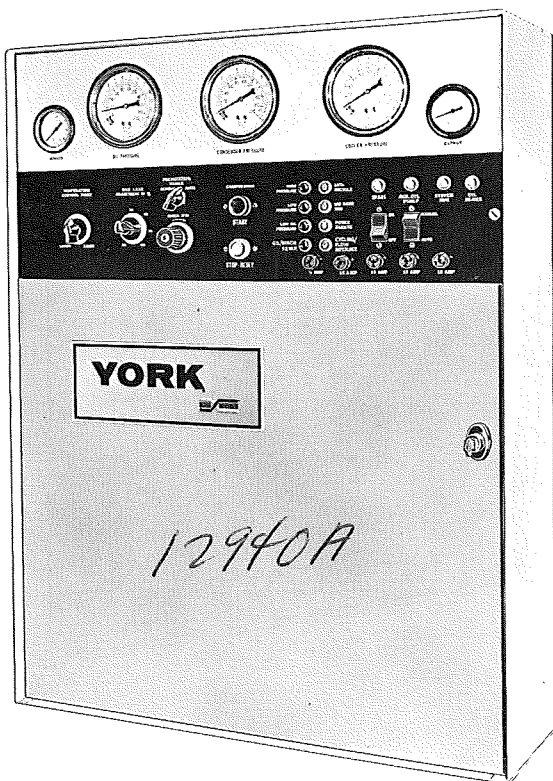
Supersedes: Nothing

574

Form 160.71-RP (Section 5)

### PNEUMATIC CONTROL CENTERS

MAY 21 1974  
*[Signature]*



#### MOTOR DRIVE

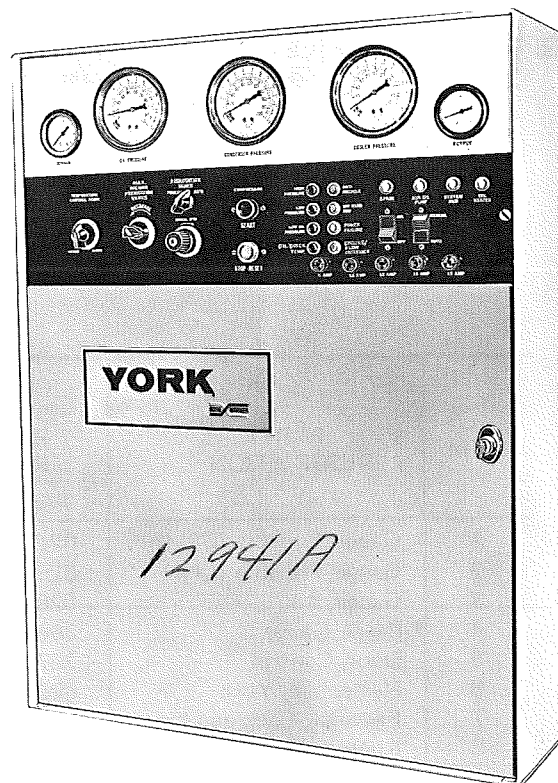
MANUAL HOT GAS BY-PASS  
PART NO. 366-55418

AUTOMATIC HOT GAS BY-PASS  
PART NO. 366-55419

#### TURBINE DRIVE

MANUAL HOT GAS BY-PASS  
PART NO. 366-56226

AUTOMATIC HOT GAS BY-PASS  
PART NO. 366-56225



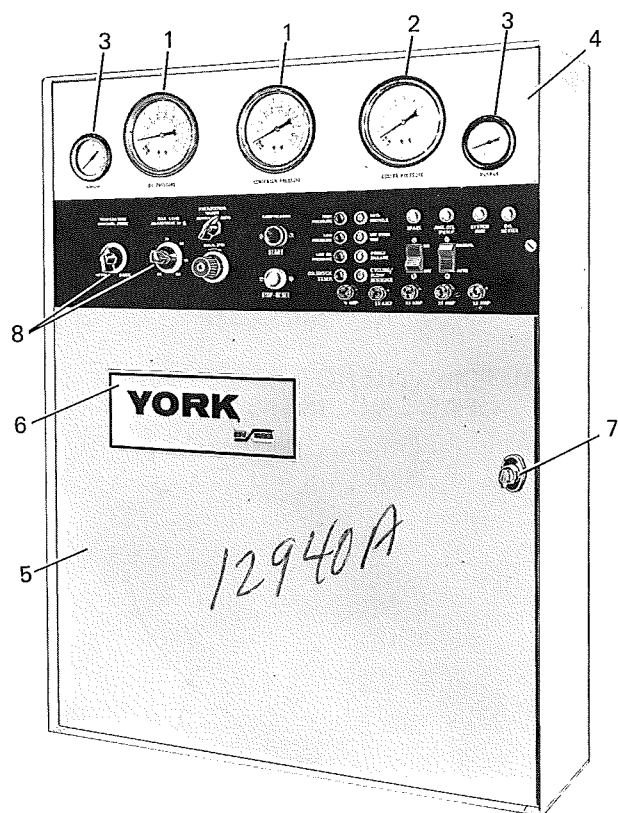


FIG. 1 — MOTOR DRIVE -  
PART NO'S. 366-55418 & 366-55419

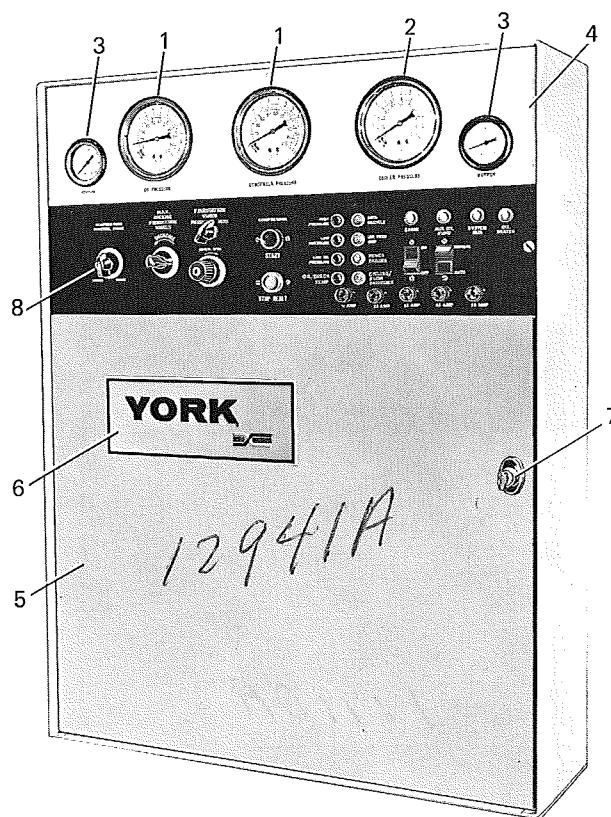


FIG. 2 — TURBINE DRIVE -  
PART NO'S. 366-56226 & 366-55225

| ITEM | PART DESCRIPTION          | FIG. 1<br>MOTOR DRIVE<br>PART NO. 366-55418<br>PART NO. 366-55419 |       |      | FIG. 2<br>TURBINE DRIVE<br>PART NO. 366-56226<br>PART NO. 366-56225 |       |      |
|------|---------------------------|-------------------------------------------------------------------|-------|------|---------------------------------------------------------------------|-------|------|
|      |                           | PART NO.                                                          | QUAN. | FIG. | PART NO.                                                            | QUAN. | FIG. |
| 1    | Gauge, Pressure (OP) (HP) | 026-14572-005                                                     | 2     | 1    | 026-14572-005                                                       | 2     | 2    |
| 2    | Gauge, Pressure (LP)      | 026-14572-001                                                     | 1     | 1    | 026-14572-001                                                       | 1     | 2    |
| 3    | Gauge, Air                | 026-16195                                                         | 2     | 1    | 026-16195                                                           | 2     | 2    |
| 4    | Panel, Gauge              | 366-14852                                                         | 1     | 1    | 366-14852                                                           | 1     | 2    |
| 5    | Door, Control             | 367-82337                                                         | 1     | 1    | 367-82337                                                           | 1     | 2    |
| 6    | Nameplate, York           | 029-11188                                                         | 1     | 1    | 029-11188                                                           | 1     | 2    |
| 7    | Fastener, Lock and Key    | 021-13025                                                         | 1     | 1    | 021-13025                                                           | 1     | 2    |
| 8    | Knob                      | 025-15889                                                         | 2     | 1    | 025-15889                                                           | 1     | 2    |

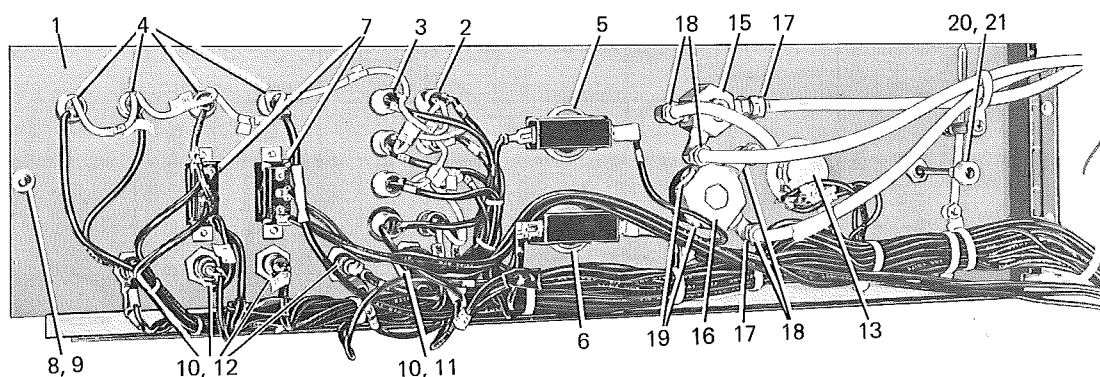


FIG. 3 — CENTER PANEL PARTS (MOTOR DRIVE)

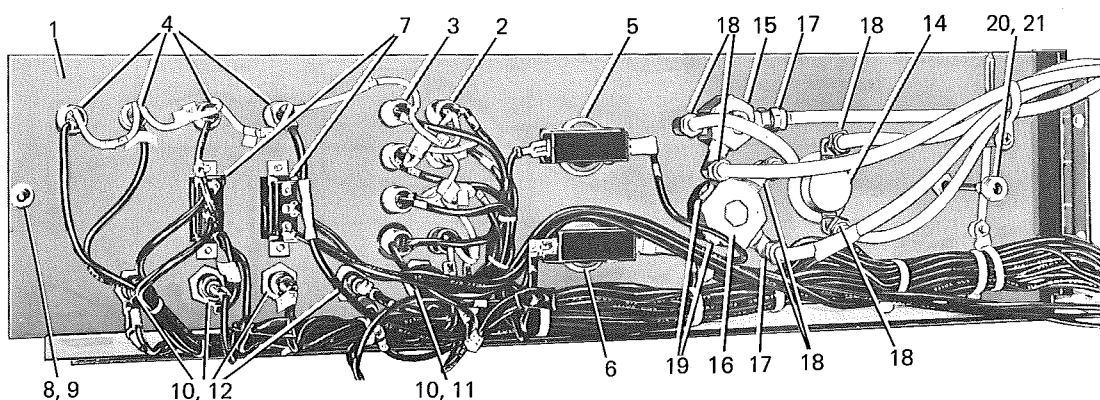


FIG. 4 — CENTER PANEL PARTS (TURBINE DRIVE)

| ITEM | PART DESCRIPTION               | FIG. 3<br>MOTOR DRIVE<br>366-55418 (MANUAL-HGBP)<br>366-55419 (AUTO-HGBP) |       |      | FIG. 4<br>TURBINE DRIVE<br>366-56226 (MANUAL-HGBP)<br>366-56225 (AUTO-HGBP) |       |      |
|------|--------------------------------|---------------------------------------------------------------------------|-------|------|-----------------------------------------------------------------------------|-------|------|
|      |                                | PART NO.                                                                  | QUAN. | FIG. | PART NO.                                                                    | QUAN. | FIG. |
| 1    | Panel, Center                  | 366-55422                                                                 | 1     | 3    | 366-56735                                                                   | 1     | 4    |
| 2    | Light, Indicator (Red)         | 025-13551                                                                 | 4     | 3    | 025-13551                                                                   | 4     | 4    |
| 3    | Light, Indicator (Amber)       | 025-14025                                                                 | 4     | 3    | 025-14025                                                                   | 4     | 4    |
| 4    | Light, Indicator (White)       | 025-15708                                                                 | 4     | 3    | 025-15708                                                                   | 4     | 4    |
| 5    | Switch, Pushbutton (Black)     | 024-13761                                                                 | 1     | 3    | 024-13761                                                                   | 1     | 4    |
| 6    | Switch, Pushbutton (Red)       | 024-16933                                                                 | 1     | 3    | 024-16933                                                                   | 1     | 4    |
| 7    | Switch, Rocker                 | 024-13760                                                                 | 2     | 3    | 024-13760                                                                   | 2     | 4    |
| 8    | Screw, Slot Hd. No. 2          | 021-11631                                                                 | 1     | 3    | 021-11631                                                                   | 1     | 4    |
| 9    | Washer, Retaining              | 021-11632                                                                 | 1     | 3    | 021-11632                                                                   | 1     | 4    |
| 10   | Fuseholder                     | 025-13991                                                                 | 5     | 3    | 025-13991                                                                   | 5     | 4    |
| 11   | Fuse, 1/2 Amp. 250 V.          | 025-14383                                                                 | 1     | 3    | 025-14383                                                                   | 1     | 4    |
| 12   | Fuse, 15 Amp. 250 V.           | 025-14384                                                                 | 4     | 3    | 025-14384                                                                   | 4     | 4    |
| 13   | Resistor, Variable             | 025-15890                                                                 | 1     | 3    | —                                                                           | —     | —    |
| 14   | Valve, Reducing Pressure       | —                                                                         | —     | —    | 022-03533                                                                   | 1     | 4    |
| 15   | Valve, Pneumatic               | 022-04468                                                                 | 1     | 3    | 022-04468                                                                   | 1     | 4    |
| 16   | Valve, Pressure Reg.           | 022-04494                                                                 | 1     | 3    | 022-04494                                                                   | 1     | 4    |
| 17   | Connector, 1/4 O.D. x 1/8 NPTE | 023-07295                                                                 | 1     | 3    | 023-07295                                                                   | 1     | 4    |
| 18   | Elbow, 1/4 O.D. x 1/8 NPTE     | 023-07296                                                                 | 4     | 3    | 023-07296                                                                   | 6     | 4    |
| 19   | Plug, Pipe 1/8 NPTE            | 023-08604                                                                 | 1     | 3    | 023-08604                                                                   | 1     | 4    |
| 20   | Shaft, Flexible & Brg.         | 025-15891                                                                 | 1     | 3    | 025-15891                                                                   | 1     | 4    |
| 21   | Shaft, Adapter                 | 066-14878                                                                 | 1     | 3    | 025-15878                                                                   | 1     | 4    |

| ITEM | PART DESCRIPTION                    | FIG. 5<br>MOTOR DRIVE<br>MANUAL HOT GAS BY-PASS<br>PART NO. 366-55418 |       |      | FIG. 6<br>MOTOR DRIVE<br>AUTO. HOT GAS BY-PASS<br>PART NO. 366-55419 |       |      | FIG. 7<br>TURBINE DRIVE<br>MANUAL HOT GAS BY-PASS<br>PART NO. 366-56226 |       |      | FIG. 8<br>TURBINE DRIVE<br>AUTO. HOT GAS BY-PASS<br>PART NO. 366-56225 |       |      |
|------|-------------------------------------|-----------------------------------------------------------------------|-------|------|----------------------------------------------------------------------|-------|------|-------------------------------------------------------------------------|-------|------|------------------------------------------------------------------------|-------|------|
|      |                                     | PART NO.                                                              | QUAN. | FIG. | PART NO.                                                             | QUAN. | FIG. | PART NO.                                                                | QUAN. | FIG. | PART NO.                                                               | QUAN. | FIG. |
| 1    | Control, Pressure (OP)              | 025-14386                                                             | 1     | 5    | 025-14836                                                            | 1     | 6    | 025-14836                                                               | 1     | 7    | 025-14836                                                              | 1     | 8    |
| 2    | Control, Pressure (HP)              | 025-18315                                                             | 1     | 5    | 025-18315                                                            | 1     | 6    | 025-18315                                                               | 1     | 7    | 025-18315                                                              | 1     | 8    |
| 3    | Control, Pressure (LP)              | 025-10600                                                             | 1     | 5    | 025-10600                                                            | 1     | 6    | 025-10600                                                               | 1     | 7    | 025-10600                                                              | 1     | 8    |
| 4    | Control, Pressure (AOP)             | 025-09718                                                             | 1     | 5    | 025-09718                                                            | 1     | 6    | 025-09718                                                               | 1     | 7    | 025-09718                                                              | 1     | 8    |
| 5    | Control, Electronic Restrictor (ER) | 025-18358                                                             | 1     | 5    | 025-18358                                                            | 1     | 6    | —                                                                       | —     | —    | —                                                                      | —     | —    |
| 6    | Relay, Control (5R)                 | 024-12951                                                             | 1     | 5    | 024-12951                                                            | 1     | 6    | 024-12951                                                               | 1     | 7    | 024-12951                                                              | 1     | 8    |
| 7    | Relay, Control (14R)                | 024-11655                                                             | 1     | 5    | 024-11655                                                            | 1     | 6    | 024-11655                                                               | 1     | 7    | 024-11655                                                              | 1     | 8    |
| 8    | Relay, Control (11R)                | 024-11784                                                             | 1     | 5    | 024-11784                                                            | 1     | 6    | 024-11784                                                               | 1     | 7    | 024-11784                                                              | 1     | 8    |
| 9    | Relay, Control (13R)                | 024-15336                                                             | 1     | 5    | 024-15336                                                            | 1     | 6    | 024-15336                                                               | 1     | 7    | 024-15336                                                              | 1     | 8    |
| 10   | Relay, Control (6R,7R,8R,9R)        | 024-17075                                                             | 4     | 5    | 024-17075                                                            | 4     | 6    | 024-17075                                                               | 4     | 7    | 024-17075                                                              | 4     | 8    |
| 11   | Relay, Control (4R,10R)             | 024-14519                                                             | 2     | 5    | 024-14519                                                            | 2     | 6    | 024-14519                                                               | 2     | 7    | 024-14519                                                              | 2     | 8    |
| 12   | Relay, Control (3R)                 | 024-17093                                                             | 1     | 5    | 024-17093                                                            | 1     | 6    | 024-17093                                                               | 1     | 7    | 024-17093                                                              | 1     | 8    |
| 13   | Relay, Time Delay (3TR)             | 024-13711                                                             | 1     | 5    | 024-13711                                                            | 1     | 6    | 024-13711                                                               | 1     | 7    | 024-13711                                                              | 1     | 8    |
| 14   | Timer (1TR)                         | 024-17172                                                             | 1     | 5    | 024-17172                                                            | 1     | 6    | —                                                                       | —     | —    | —                                                                      | —     | —    |
| 15   | Timer (2TR)                         | 024-17171                                                             | 1     | 5    | 024-17171                                                            | 1     | 6    | 024-17171                                                               | 1     | 7    | 024-17171                                                              | 1     | 8    |
| 16   | Controller, Load Limiting (LLC)     | 025-17382                                                             | 1     | 5    | 025-17382                                                            | 1     | 6    | —                                                                       | —     | —    | —                                                                      | —     | —    |
| 17   | Transducer (CLR)                    | 324-15335-002                                                         | 1     | 5    | 324-15335-002                                                        | 1     | 6    | —                                                                       | —     | —    | —                                                                      | —     | —    |
| 18   | Controller, Receiver Pneu.          | 026-16196                                                             | 1     | 5    | 026-16196                                                            | 1     | 6    | 026-16196                                                               | 1     | 7    | 026-16196                                                              | 1     | 8    |
| 19   | Transformer (T)                     | 325-16601-003                                                         | 1     | 5    | 325-16601-003                                                        | 1     | 6    | —                                                                       | —     | —    | —                                                                      | —     | —    |
| 20   | Block, Terminal                     | 025-15365                                                             | 36    | 5    | 025-15365                                                            | 36    | 6    | 025-15365                                                               | 36    | 7    | 025-15365                                                              | 36    | 8    |
| 21   | End, Terminal                       | 025-13931                                                             | 2     | 5    | 025-13931                                                            | 2     | 6    | 025-13931                                                               | 2     | 7    | 025-13931                                                              | 2     | 8    |
| 22   | Strip Marker                        | 025-17363                                                             | 1     | 5    | 025-17363                                                            | 1     | 6    | 025-17363                                                               | 1     | 7    | 025-17363                                                              | 1     | 8    |
| 23   | Strip Marker                        | 025-17173                                                             | 1     | 5    | 025-17173                                                            | 1     | 6    | 025-17173                                                               | 1     | 7    | 025-17173                                                              | 1     | 8    |
| 24   | Enclosure (LLC)                     | 025-17180                                                             | 1     | 5    | 025-17180                                                            | 1     | 6    | —                                                                       | —     | —    | —                                                                      | —     | —    |
| 25   | Valve, Pressure Reg.                | 022-02690                                                             | 1     | 5    | 022-02690                                                            | 1     | 5    | 022-02690                                                               | 1     | 7    | 022-02690                                                              | 1     | 8    |
| 26   | Valve, Solenoid (2 Sol.)            | —                                                                     | —     | —    | —                                                                    | —     | —    | 225-11931-007                                                           | 1     | 7    | 225-11931-007                                                          | 1     | 8    |
| 27   | Valve, Solenoid (1 Sol.)            | —                                                                     | —     | —    | 225-11931-004                                                        | —     | —    | —                                                                       | —     | —    | 225-11931-004                                                          | —     | 8    |

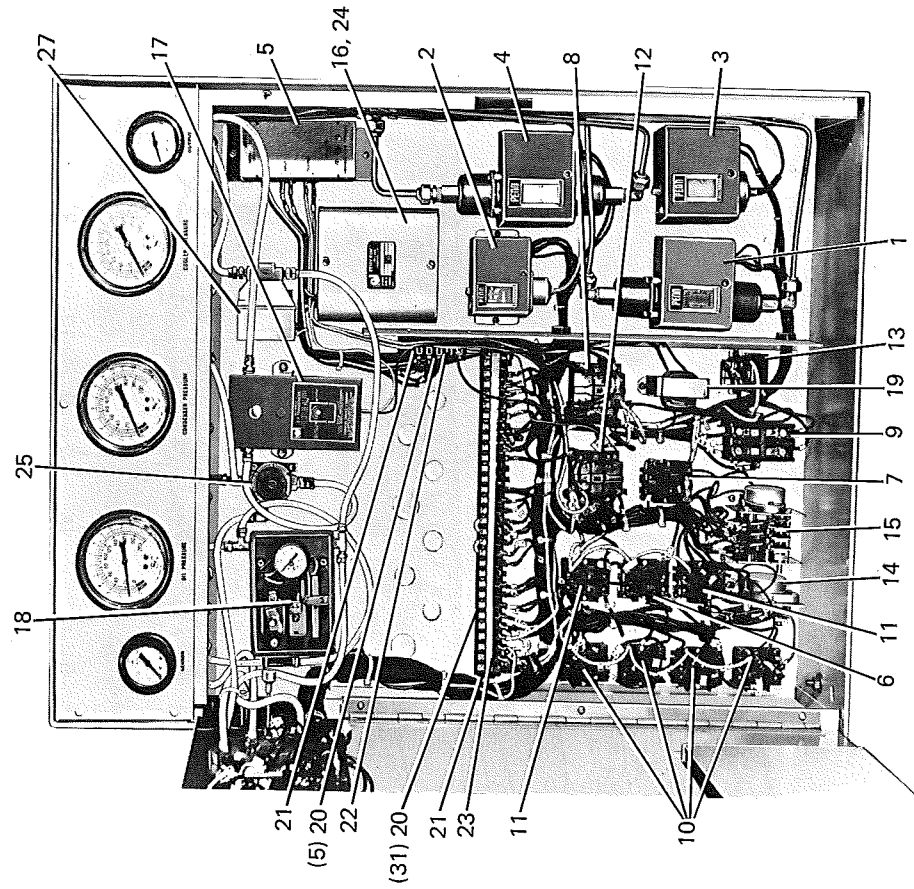


FIG. 6 — CONTROLS (MOTOR DIRVE-AUTOMATIC HOT GAS BY PASS)  
PART NO. 366-55419

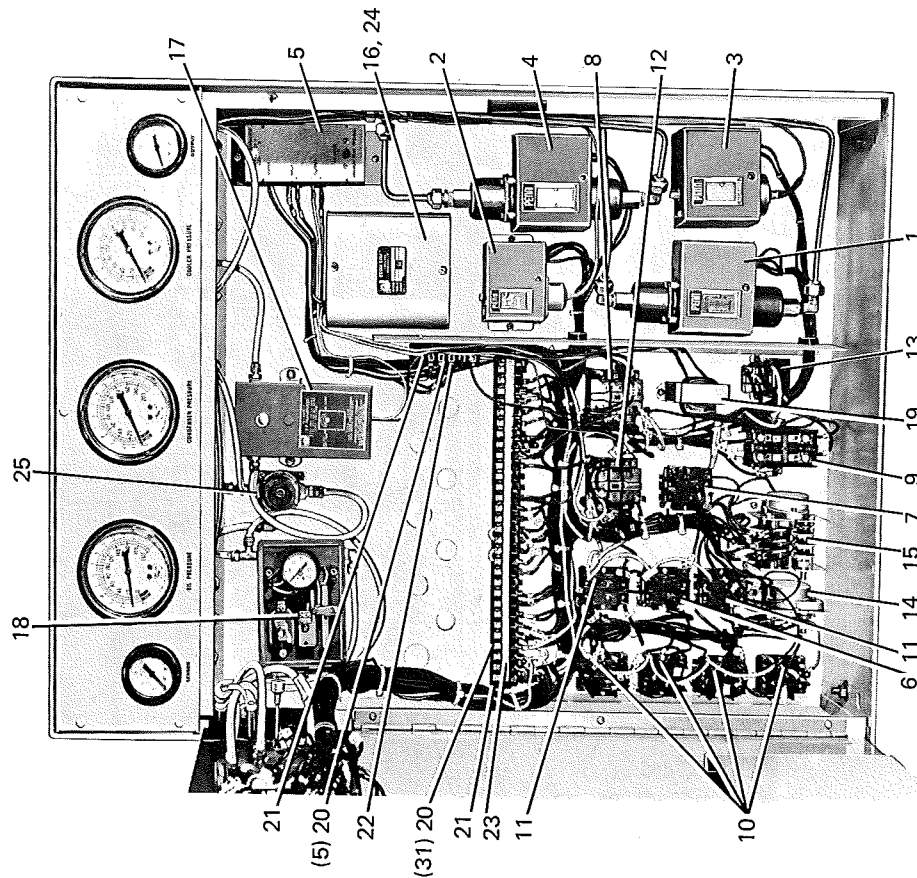
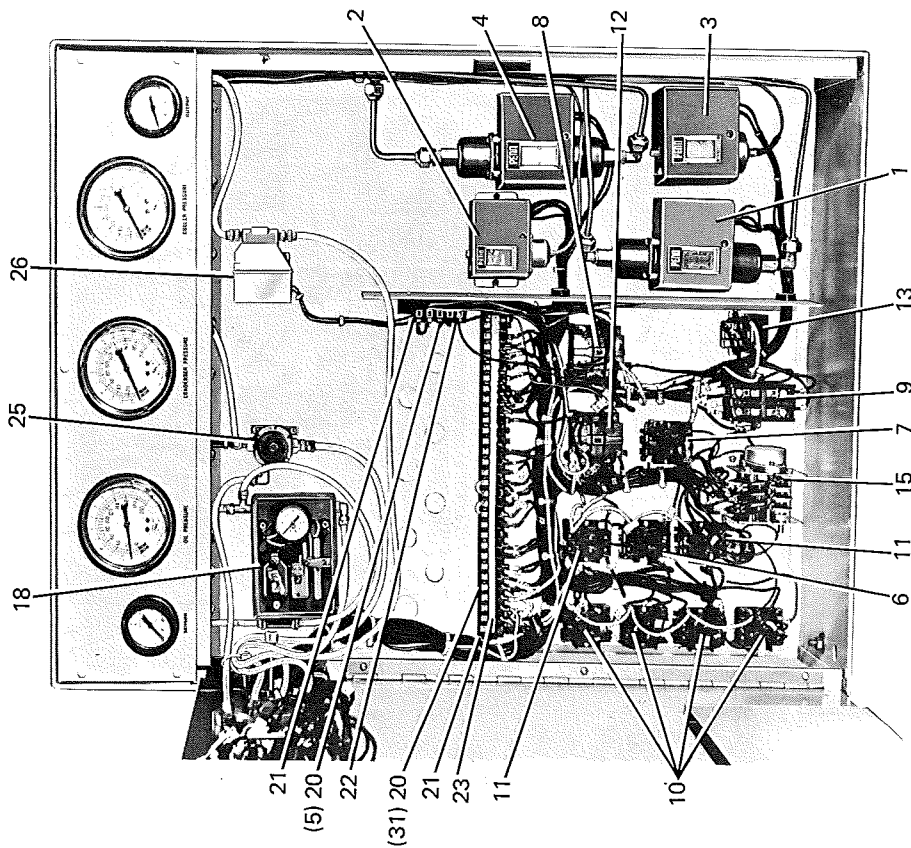
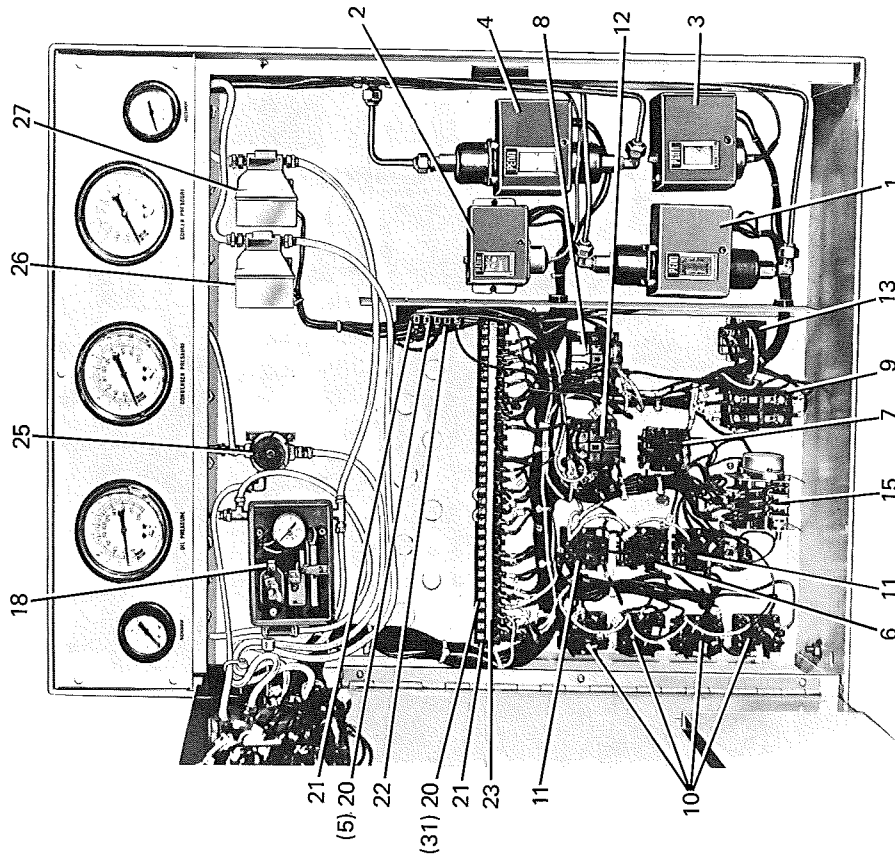


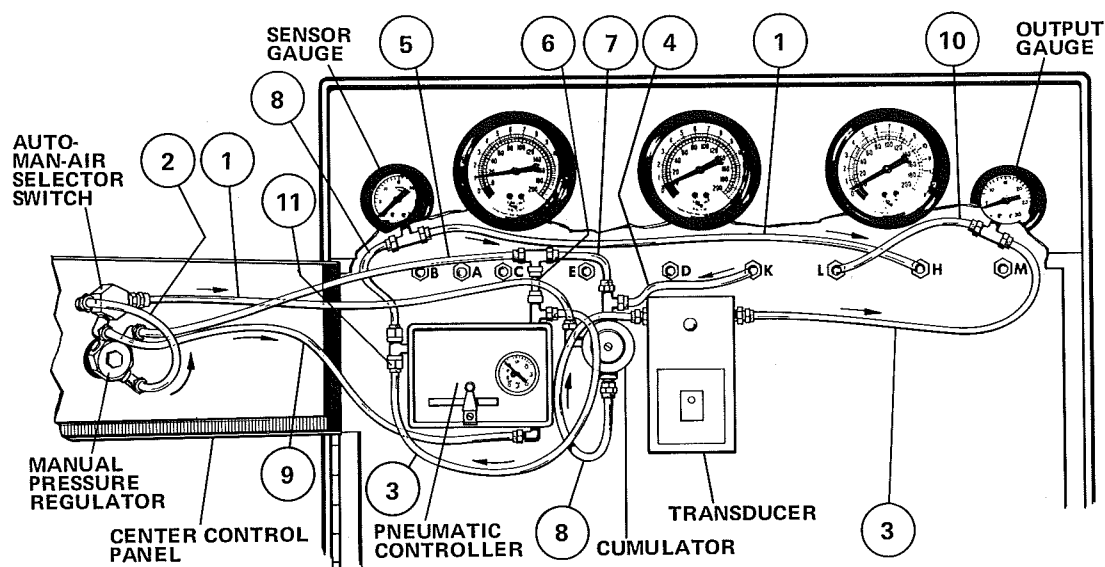
FIG. 5 — CONTROLS (MOTOR DRIVE-MANUAL HOT GAS BY-PASS)  
PART NO. 366-55418



**FIG. 7 — CONTROLS (TURBINE DRIVE-MANUAL HOT GAS BY-PASS)**  
PART NO. 366-56226

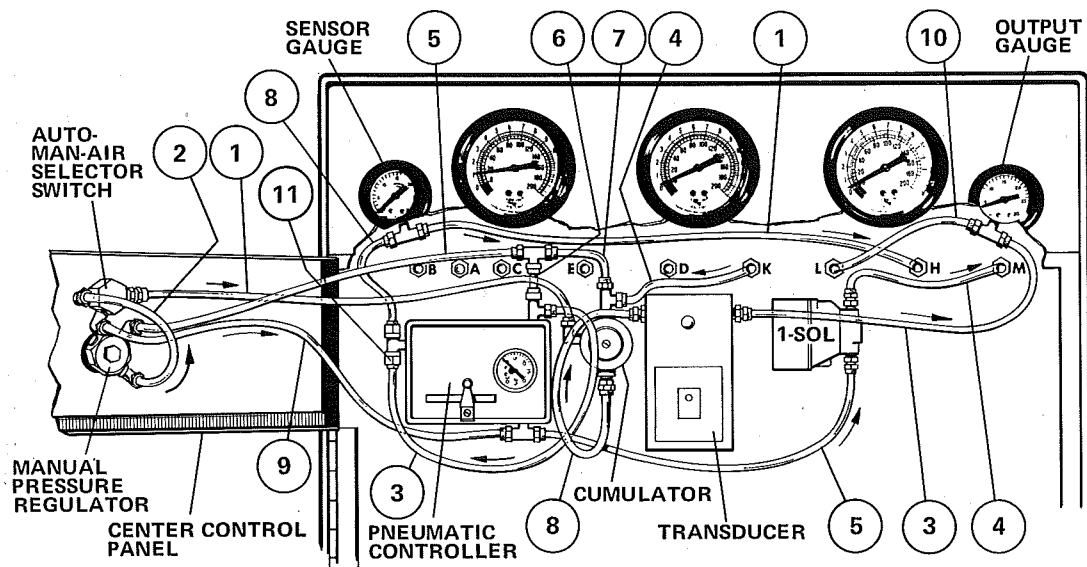


**FIG. 8 — CONTROLS (MOTOR DRIVE-AUTOMATIC HOT GAS BY-PASS)**  
PART NO. 366-56225



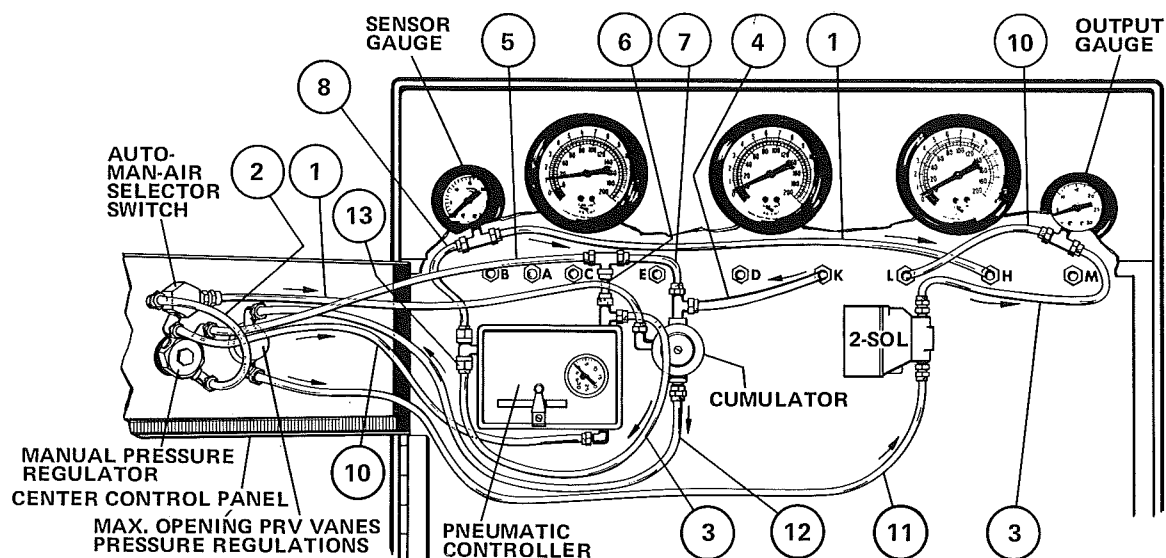
| ITEM | PART DESCRIPTION                         | PART NO.  | QUAN. |
|------|------------------------------------------|-----------|-------|
| 1    | Tube, Plastic, 1/4 O.D. x .040 x 20 1/2" | 066-17031 | 2     |
| 2    | Tube, Plastic, 1/4 O.D. x .040 x 6 1/2"  | 066-20823 | 1     |
| 3    | Tube, Plastic, 1/4 O.D. x .040 x 14"     | 066-17029 | 2     |
| 4    | Tube, Plastic, 1/4 O.D. x .040 x 81"     | 066-17027 | 2     |
| 5    | Tube, Plastic, 1/4 O.D. x .040 x 19"     | 063-20003 | 2     |
| 6    | Tube, Plastic, 1/4 O.D. x .040 x 2 1/2"  | 067-32308 | 1     |
| 7    | Tube, Plastic, 1/4 O.D. x .040 x 3 1/2"  | 066-56744 | 1     |
| 8    | Tube, Plastic, 1/4 O.D. x .040 x 5 1/2"  | 066-56068 | 2     |
| 9    | Tube, Plastic, 1/4 O.D. x .040 x 25"     | 066-56069 | 1     |
| 10   | Tube, Plastic, 1/4 O.D. x .040 x 12"     | 066-56223 | 1     |
| 11   | Restrictor, Pneumatic                    | 026-16208 | 1     |

**FIG. 9 — PLASTIC TUBING - (MOTOR DRIVE MANUAL HOT GAS BY-PASS) - PART NO. 366-55418**



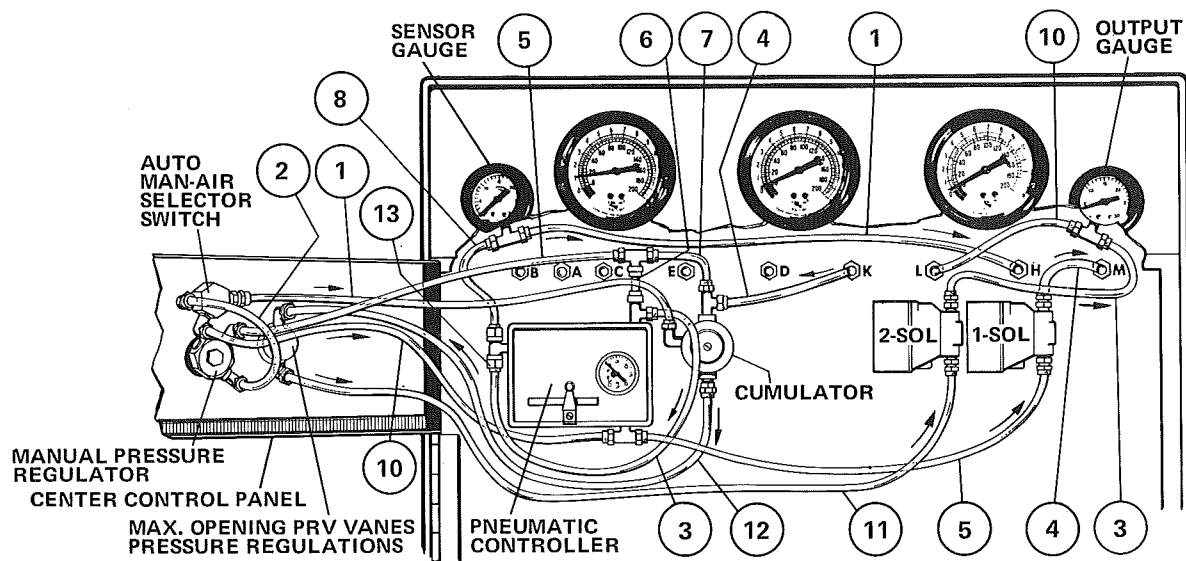
| ITEM | PART DESCRIPTION                         | PART NO.  | QUAN. |
|------|------------------------------------------|-----------|-------|
| 1    | Tube, Plastic, 1/4 O.D. x .040 x 20 1/2" | 066-17031 | 2     |
| 2    | Tube, Plastic, 1/4 O.D. x .040 x 6 1/2"  | 066-20823 | 1     |
| 3    | Tube, Plastic, 1/4 O.D. x .040 x 14"     | 066-17029 | 2     |
| 4    | Tube, Plastic, 1/4 O.D. x .040 x 81"     | 066-17027 | 1     |
| 5    | Tube, Plastic, 1/4 O.D. x .040 x 19"     | 063-20003 | 1     |
| 6    | Tube, Plastic, 1/4 O.D. x .040 x 2 1/2"  | 067-32308 | 1     |
| 7    | Tube, Plastic, 1/4 O.D. x .040 x 3 1/2"  | 066-56744 | 1     |
| 8    | Tube, Plastic, 1/4 O.D. x .040 x 5 1/2"  | 066-56068 | 2     |
| 9    | Tube, Plastic, 1/4 O.D. x .040 x 25"     | 066-56069 | 1     |
| 10   | Tube, Plastic, 1/4 O.D. x .040 x 12"     | 066-56223 | 1     |
| 11   | Restrictor, Pneumatic                    | 026-16208 | 1     |

FIG. 10 — PLASTIC TUBING - (MOTOR DRIVE AUTOMATIC HOT GAS BY-PASS) - PART NO. 366-55419



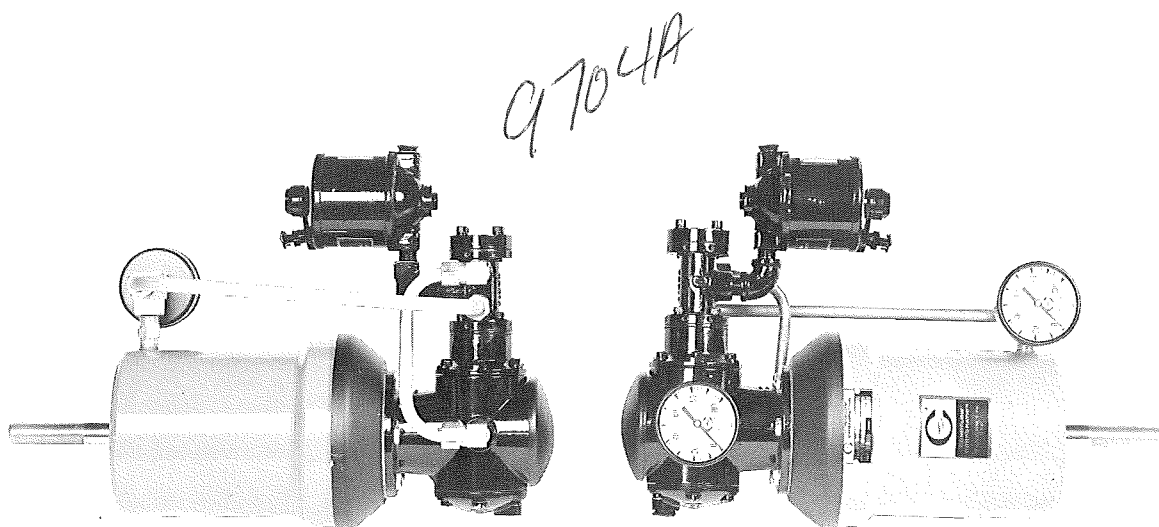
| ITEM | PART DESCRIPTION                         | PART NO.  | QUAN. |
|------|------------------------------------------|-----------|-------|
| 1    | Tube, Plastic, 1/4 O.D. x .040 x 20 1/2" | 066-17031 | 2     |
| 2    | Tube, Plastic, 1/4 O.D. x .040 x 6 1/2"  | 066-20823 | 1     |
| 3    | Tube, Plastic, 1/4 O.D. x .040 x 14"     | 066-17029 | 2     |
| 4    | Tube, Plastic, 1/4 O.D. x .040 x 8 1/8"  | 066-17027 | 2     |
| 5    | Tube, Plastic, 1/4 O.D. x .040 x 19"     | 063-20003 | 2     |
| 6    | Tube, Plastic, 1/4 O.D. x .040 x 2 1/2"  | 067-32308 | 1     |
| 7    | Tube, Plastic, 1/4 O.D. x .040 x 3 1/2"  | 066-56744 | 1     |
| 8    | Tube, Plastic, 1/4 O.D. x .040 x 5 1/2"  | 066-56068 | 1     |
| 9    | Tube, Plastic, 1/4 O.D. x .040 x 12"     | 066-56223 | 1     |
| 10   | Tube, Plastic, 1/4 O.D. x .040 x 25"     | 066-56069 | 1     |
| 11   | Tube, Plastic, 1/4 O.D. x .040 x 28"     | 067-54380 | 1     |
| 12   | Tube, Plastic, 1/4 O.D. x .040 x 23"     | 066-17242 | 1     |
| 13   | Restrictor, Pneumatic                    | 026-16208 | 1     |

FIG. 11 — TURBINE DRIVE (MANUAL HOT GAS BY-PASS) - PART NO. 366-56226



| ITEM | PART DESCRIPTION                         | PART NO.  | QUAN. |
|------|------------------------------------------|-----------|-------|
| 1    | Tube, Plastic, 1/4 O.D. x .040 x 20 1/2" | 066-17031 | 2     |
| 2    | Tube, Plastic, 1/4 O.D. x .040 x 6 1/2"  | 066-20823 | 1     |
| 3    | Tube, Plastic, 1/4 O.D. x .040 x 14"     | 066-17029 | 2     |
| 4    | Tube, Plastic, 1/4 O.D. x .040 x 8 1/8"  | 066-17027 | 1     |
| 5    | Tube, Plastic, 1/4 O.D. x .040 x 19"     | 063-20003 | 2     |
| 6    | Tube, Plastic, 1/4 O.D. x .040 x 2 1/2"  | 067-32308 | 1     |
| 7    | Tube, Plastic, 1/4 O.D. x .040 x 3 1/2"  | 066-56744 | 1     |
| 8    | Tube, Plastic, 1/4 O.D. x .040 x 5 1/2"  | 066-56068 | 1     |
| 9    | Tube, Plastic, 1/4 O.D. x .040 x 12"     | 066-56223 | 1     |
| 10   | Tube, Plastic, 1/4 O.D. x .040 x 25"     | 066-56069 | 1     |
| 11   | Tube, Plastic, 1/4 O.D. x .040 x 28"     | 067-54380 | 1     |
| 12   | Tube, Plastic, 1/4 O.D. x .040 x 23"     | 066-17242 | 1     |
| 13   | Restrictor, Pneumatic                    | 026-16208 | 1     |

FIG. 12 — TURBINE DRIVE (AUTOMATIC HOT GAS BY-PASS) - PART NO. 366-56225



| DESCRIPTION             | USED WITH<br>COMPRESSOR<br>MODEL | PART NO. PRV POSITIONER |              |             |
|-------------------------|----------------------------------|-------------------------|--------------|-------------|
|                         |                                  | R-12 COMPR.             | R-500 COMPR. | R-22 COMPR. |
| PRV POSITIONER CONOFLOW | 226                              | 024-10412               | 024-10412    | 024-10412   |
| PRV POSITIONER CONOFLOW | 238                              | 024-12781               | 024-12781    | 024-12781   |
| PRV POSITIONER CONOFLOW | 255A                             | 024-12781               | 024-16659    | 024-16660   |
|                         | 255B                             | 024-16659               | ---          | ---         |

FIG. 13 — CONOFLOW PRV POSITIONER

*BW 30901**8375A*

| ITEM | PART DESCRIPTION                      | PART NO.  | QUAN.       |
|------|---------------------------------------|-----------|-------------|
| 1    | TEMPERATURE SENSOR (TS) (TRANSMITTER) | 022-03481 | 1 (FIG. 14) |
| 2    | THERMOSTAT LOW WATER TEMP. (LWT)      | 025-14464 | 1 (FIG. 15) |

FIG. 14 — TEMPERATURE SENSOR (TS)

FIG. 15 — THERMOSTAT LOW WATER TEMP. (LWT)

SUBJECT TO CHANGE WITHOUT NOTICE  
PRINTED IN U.S.A.

POS 4M 574 .30      Code: S(J) & R(JM)  
Form 160.71-RP (Sect. 5)      S(J) - Int.

York Division of Borg-Warner Corporation,  
P.O. Box 1592, York, Pa. 17405

