



# Supplement Sheet

## Pressure Switches

**Models 2340, 2475, 2545,  
7100, 15T, 3000, 2000**

This supplement sheet contains installation, maintenance and replacement parts information that has not yet been incorporated into the owner's manual and parts list for your air compressor. Please retain this information for reference.

### ADJUSTING THE PRESSURE SWITCH SETTINGS

**WARNING!** High voltage is present at the pressure switch contacts when the power supply is connected. Disconnect, lock and tag main power supply before making adjustments.

**CAUTION!** Do not adjust the pressure switch to exceed the maximum discharge pressure of the unit. Cut-off failure can occur by over adjusting the range nut.

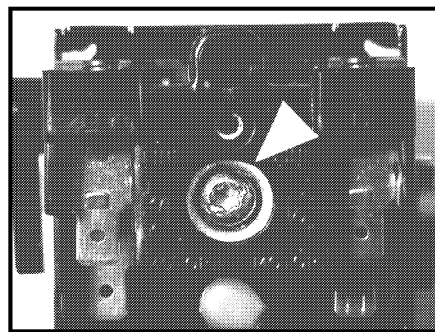
**NOTE** Adjust the pressure switch only if adjustments are absolutely necessary.

To properly adjust the range, follow the instructions below:

1. Remove the pressure switch cover.
2. Adjust the range by turning the range adjustment screw clockwise (in) to increase the cut-out point or counter-clockwise (out) to decrease the cut-out point.

**NOTE:** One full turn (360°) changes the setting approximately 6 PSIG.

3. Replace cover, reconnect power supply and start the compressor.
4. Note the pressure gauge reading at which the compressor cuts out.
5. Repeat adjustment procedure if necessary.



### PRESSURE SWITCH INSTALLATION PRECAUTIONS

Diaphragm leaks can occur if a new pressure switch is installed improperly. During installation of a new pressure switch, do not tighten the pressure switch by turning the switch body by hand. Putting sideways pressure on the switch body puts stress on the body-to-diaphragm connection and may cause later failure due to vibration, temperature expansion, or pressure.

In addition, do not use the pressure switch assembly as a handle when moving the compressor. This places stress on the body-to-diaphragm connection and can distort internal components.

Failure can occur by putting undue stress on the unloader body while tightening the unloader tubing with a wrench. Do not adjust the orientation of the pressure switch by turning the entire assembly with a wrench placed on the unloader connection.

### TYPICAL PRESSURE SWITCH SETTINGS

| Minimum<br>On | Maximum<br>Off | Differential<br>(Non-Adjustable) |
|---------------|----------------|----------------------------------|
| 100           | 175            | 30-40                            |

## PART NUMBERS AND DESCRIPTIONS FOR PRESSURE SWITCHES

The pressure switch part numbers shown below are for 175 psi air compressors that are equipped with standard NEMA 1 electrical enclosures.

| HP    | MODEL                   | PART NO. | DESCRIPTION                                      |
|-------|-------------------------|----------|--|
| 5     | 2340L5 SINGLE PHASE     | 56288806 | SWITCH, PRESSURE                                 |
|       | 2340L5 THREE PHASE      | 56288764 | SWITCH, PRESSURE — WITH UNLOADER VALVE           |
|       | 2-2340E5                | 56288764 | SWITCH, PRESSURE — WITH UNLOADER VALVE           |
|       | AND                     | 56288798 | SWITCH, PRESSURE                                 |
|       | 2545N5-PS               | 56288798 | SWITCH, PRESSURE                                 |
|       | 2475N5 STANDARD         | 56288772 | SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER |
|       | 2475N5 TOTALLY PACKAGED | 56288764 | SWITCH, PRESSURE — WITH UNLOADER VALVE           |
| 7-1/2 | 2475N7.5                | 56288772 | SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER |
|       | 2-2475E7.5              | 56288764 | SWITCH, PRESSURE — WITH UNLOADER VALVE           |
|       | AND                     | 56288798 | SWITCH, PRESSURE                                 |
|       | 2545N7.5-PS             | 56288780 | SWITCH, PRESSURE — WITH LEVER                    |
| 10    | 2545E10V                | 56288772 | SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER |
|       | 2-2545A10V              | 56288764 | SWITCH, PRESSURE — WITH UNLOADER VALVE           |
|       | AND                     | 56288798 | SWITCH, PRESSURE                                 |
|       | 2545E10                 | 56288780 | SWITCH, PRESSURE — WITH LEVER                    |
|       | 2545K10                 | 56288780 | SWITCH, PRESSURE — WITH LEVER                    |
|       | 7100E10-PS              | 56288798 | SWITCH, PRESSURE                                 |
| 15    | 7100E15                 | 56288798 | SWITCH, PRESSURE                                 |
|       | 15TE15                  | 56288798 | SWITCH, PRESSURE                                 |
|       | 15TE15-PS               | 56288798 | SWITCH, PRESSURE                                 |
|       | 7100E15V                | 56288772 | SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER |
| 20    | 15TE20                  | 56288798 | SWITCH, PRESSURE                                 |
|       | 2000E20-PS              | 56288798 | SWITCH, PRESSURE                                 |
|       | 3000E20                 | 56288798 | SWITCH, PRESSURE                                 |
| 25    | 2000E25-PS              | 56288798 | SWITCH, PRESSURE                                 |
|       | 2000A25-PS              | 56288798 | SWITCH, PRESSURE                                 |
|       | 3000E25                 | 56288798 | SWITCH, PRESSURE                                 |
| 30    | 2000E30-PS              | 56288798 | SWITCH, PRESSURE                                 |
|       | 3000E30                 | 56288798 | SWITCH, PRESSURE                                 |

HP = MOTOR HORSEPOWER