

# 5007A Regulator Assembly

For Model VP500 Vacuum Pumps

## Installation and Adjustment Instructions



Warning

Follow all federal, state and local laws governing the installation of this product and its associated systems. When no other regulations apply, follow NFPA codes 30, 30A and 70 from the National Fire Protection Association. Failure to follow these codes could result in severe injury, death, serious property damage and/or environmental contamination.



Caution

Disconnect power before beginning service.

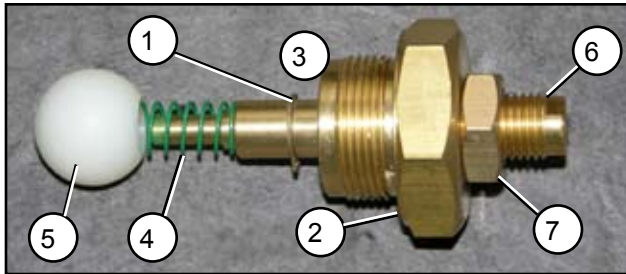


Caution

Use a spill cloth when removing the regulator, as there may be some gasoline inside.

### 5007A Regulator Assembly Installation

1. Remove the previously installed regulator assembly.
2. The retaining ring (1) and two O-rings (2 and 3) are already installed on the new adjustment screw.



5007A Regulator Assembly

Item	Description
1	Retaining ring
2	O-ring (in groove)
3	O-ring (on shaft)
4	Compression Spring
5	Ball
6	Adjustment Screw
7	Locking Nut

3. Insert the compression spring (4) into the ball (5) and onto the shaft of the adjustment screw (6).
4. Insert the compression spring, regulating valve, and adjustment screw into the VP500 and tighten.
5. If not already attached install the 11/16" hex locking nut (7) onto the adjustment screw and tighten.

### Vacuum Level Adjustment

After maintenance has been completed the VP500 must be tested to ensure the pump is operating at the proper vacuum levels.

1. Install a 0-100" WC gauge in the vapor line testing port located on the vapor return line.
2. With the system activated the vacuum pressure should be approximately 80" WC. The systems operating range is from 65" to 85" WC depending upon the amount of customers fueling at the site.
3. If the VP500 vacuum level needs adjustment to reach the operating range, use the regulator adjustment screw located above the inlet port. Loosen the 11/16" locking nut and turn the adjusting screw clockwise to increase or counter clockwise to decrease the vacuum level.
4. Tighten the locking nut after adjustment.



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