



INSTRUCTIONS FOR REBUILDING KITCHEN KNIGHT II VALVE PRESSURE REGULATOR

The following steps are necessary to properly rebuild the KITCHEN KNIGHT II Pressure Regulator.

1. Remove the pressure regulator from the tank valve.
2. Remove 8-32 x 3/8 in. long pan head screw from body of regulator. Discard.
3. Using a non-metallic rod (a plastic pen or wooden dowel works fine), push piston out of regulator body. Note: End of piston is visible on valve end of the regulator. Take care not to scratch the internal regulator body. Discard spring.
4. Remove all used O-rings: Discard all.
 - Piston O-Ring
 - External thread O-Ring
 - Internal O-Ring
5. Carefully clean piston and internal regulator surface.
6. **In Valve Body:** Remove 6-32 x 3/8 in. long pan head screw and seal. Discard both.
7. Install new seal, Part No. 551261, and 6-32 x 3/8 in. long pan head screw, Part No. 17851, into valve body. Tighten until screw bottoms out in valve body.

8. Lubricate all new O-Rings for pressure regulator. Use Dow Corning #4 or equal.
9. Reinstall internal O-Ring, Part No. 402745, external O-Ring, Part No. 551273, and piston O-Ring, Part No. 12837. Note: Piston O-Ring and internal O-Ring are very similar in size. To determine the correct one to use, note the thickness of each. The piston O-Ring is thicker (1/8 in.) than the internal O-Ring (1/16 in.).
10. Insert spring, Part No. 551176, and piston, into regulator body.
11. Using a non-metallic rod, push piston into regulator body far enough to completely compress the spring. Hold in place and install 6-32 x 3/8 in. holding screw, Part No. 419045, into threaded hole on side of regulator. Screw must be threaded completely into body. **Note: Make certain screw is holding the piston in place but not actually forced into the side of the piston. Piston must be free to move in the direction of the valve body.**
12. Reinstall rebuilt regulator into valve body. Hand tighten.

