Warranty Test Procedure
Impco Model J Converter

1. Inspect the returned material for:
   - A) Date of manufacture: The current warranty policy covers the product for 18 months.
     Example: Serial Number 890603 = June 3, 1998
   - B) Contamination (dirt and heavy oil from poor quality fuel): Failures caused by dirt, poor quality fuel, abuse, normal wear, and disassembly are not covered by our warranty.
   - C) Secondary valve travel: While looking into one of the fuel outlet openings, depress the primer. The secondary valve should lift approximately 1/16" from the forward edge of the fuel orifice surface. If the valve fails to lift from the orifice, check to see that the secondary diaphragm bracket is connected to the valve lever, and that the bracket is not bent. The bracket should be perpendicular (90 degrees) to the diaphragm surface.

2. Test preparation:
   - A) Remove the primary test port plug (refer to the drawings below).
   - B) Install the hose barb fitting (1/8" MPT x ¼" ID hose) into the primary test port.
   - C) Connect the 0 to 5 PSI pressure gauge to the primary test port.
   - D) Remove the brass screen from the vent opening in the secondary diaphragm cover (refer to the drawings below).
   - E) Install the elbow fitting (1/8" MPT x ¼" ID hose x 90 degree) and the hose tee (¼" ID) into the vent opening. *Apply pressure by blowing into the vent opening. You should not experience any leakage.*
   - F) Connect the pressure side of the water manometer gauge to the tee.

3. Test procedure:
   - A) *Using a blow-gun with a rubber tip, temporarily apply pressure (75/100 PSI) to the fuel inlet opening (refer to the drawings below):* The 0 to 5-PSI pressure gauge should read 1 to 2 PSI, and should maintain the reading without pressure loss. Pressure loss indicates that the primary valve is leaking.
   - B) *Apply constant pressure (75/100 PSI) to the fuel inlet opening*: As in step "A", the pressure gauge should read 1 to 2 PSI, and should remain constant when you depress the primer.
   - C) *Apply pressure by blowing into the tee that's connected to the secondary diaphragm vent opening*: Air should start to flow through the regulator when the water manometer gauge reads 1.5" to 2" WC.