



## Service Bulletin

### Inspection and Change of the Gasculator Bowl Assembly

**MANDATORY**

#### **Symbols:**

Please pay special attention to the following symbols emphasizing particular information throughout this document.

- ▲ **WARNING:** Identifies an instruction, which if not followed, may cause serious injury or even death.
- ◆ **CAUTION:** Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of factory warranty.
- \* **NOTE:** Information useful to implement the change more easily.

#### **1. General**

Issued by: Powrachute, LLC. 3001 West Airport Road, Hastings, MI 49058

Web: [www.powrachute.com](http://www.powrachute.com) Ph: 574-286-9670

Release Date: Aug 18, 2009

Date of Effect: Immediately

Compliance: Before Next Flight

Release Number: 08-18-09-03

Superseded Notice: None

Models Effected: Pegasus 582 and Airwolf 912ULS

Affected S/N: Any and All Pegasus 582 and Airwolf 912ULS with Gasculators Installed.

Reason: Ethanol shrinks the plastic bowl assembly

Subject: Inspection and replacement of Gasculator bowl assembly

Time required: 1 Minute for Inspection and 15 Minutes for replacement

#### **2. Material Information**

Tools needed: For Inspection none, for replacement safety wire plyers

Parts Needed: New Aluminum Gasculator bowl, O-Ring and safety wire. Order from Powrachute.

### **3. Compliance**

License required: For Inspection, Owner or Pilot In Command  
For Replacement on S-LSA:  
LSA Repairman, A&P Mechanic, Part 145 Repair Station or Owner.

Certification: Sign off aircraft logbook when replacement has been made and by an authorized person defined above.  
This Service Bulletin serves as a Letter of Authorization (LOA) and is valid without being signed and without any additional paperwork.

\* NOTE: Do not forget to log in the aircraft logbook.

### **4. Instructions for Inspection**

Look on the left side of an Airwolf 912 toward the bottom of the pylon tube for an installed Gasculator. See if the bowl is plastic or aluminum. If it is plastic, it will need to be changed to the new aluminum bowl with a new O-Ring. If it is on a Pegasus, the same would apply only it is located on the right side of the aircraft.

### **5. Instructions for Replacement**

Remove the safety wire secured to the bowl, screw off the plastic bowl and discard. Install the new aluminum bowl and new O-Ring hand tight. Safety wire the bowl. Do a preflight then run up the engine for a min of 5 minutes before your next flight.

### **6. Advise**

Due to some blends of fuel and ethanol the plastic bowl will shrink in size and cause the Gasculator to leak. In some rare circumstances and certain fuel blends the bowl will no longer be able to thread into the housing.