

## Mid-Continent Life-Saver Battery Part #9015607

If you have a Mid-Continent Lifesaver 4300Series Electric Attitude Indicator you probably have had to replace the battery since according to the manufacturer you should every 3 years. They may require quarterly charging if you don't fly often.

If you have lost your owners manual, you can find it here:

<http://www.lifesavergyro.com/pdfs/4300Series-InstallationManual.pdf>

Some quotes from it are:

“The battery is designed to be a user replaceable item if desired. Recommended replacement interval for the standby battery (P/N 9015607) is 3 years because of diminished capacity”

and

“In normal use, the 4300-XXX with Battery Backup supplies the proper float charge voltage to maintain its battery at peak capacity, however, the battery will slowly self discharge if the attitude indicator is left unused for long periods (over 3 months). In addition, self-discharge rates are directly related to the storage temperature. The higher the storage temperature the faster the self-discharge rate. Therefore, the battery should be periodically charged or removed from the installation and maintained on a charger.”

Well my battery was pretty much dead so I decided to take it apart. I wanted to know what was in this \$300 battery.

1<sup>st</sup> picture is the Mid-Continent battery box:

2<sup>nd</sup> picture is the insides which consist of a small circuit board and 3 plug in 6 volt batteries (although only 2 are in the picture).

3<sup>rd</sup> picture is a close up of one of the internal batteries.

Now a quick internet search for these Powersonic Model PS-605WL batteries show they are readily available for \$15 each. Which gets my mind thinking \$300 OEM battery or \$45 in replacement parts?

Just sharing my findings. No advice or opinion is given.

