

June 27<sup>th</sup> 2014

**Service Bulletin: SB E-04.2**

**To: ACK Technologies Inc. model E-04 121.5/406 MHz ELT distributors, installers, and owners.**

**Regarding: E-04.10.1.12 Static suppressor installation.**

**Dear owners and installers. All ACK E-04 406/121.5 MHz ELT's serial number 9,650 and above kits are supplied with P/N E-04.10.1.12 static suppressors. The included suppressor is designed for use with the E-04.8 external whip antenna. (This suppressor is not necessary with the Blade or Rod antenna since they are internally grounded.)**

**Through feedback from owners/operators in the field we have discovered that large amounts of static electricity buildup in the external whip antenna can travel down the coaxial cable and into the ELT sometimes disabling the amplifier for the 121.5 MHz portion only. A static affected ELT's 406 signal will remain fully functional, however the 121.5 signal power will be diminished, and barely audible over the aircraft radio. The static electricity issue has seldom been a problem in the lower 48 states of the U.S.A. but more frequent in the cold, dry climates of northern Canada and Alaska. There are currently no requirements regarding static electricity testing for ELT certification.**

**To install the E-04.10.1.12 static suppressor, please follow these simple steps:**

- 1.) Remove the E-04.10.4 coaxial cable BNC connector from the base of the E-04.8 external whip antenna.**
- 2.) Connect E-04.10.1.12 static suppressor female BNC directly to the male BNC connector extruding from the base of the E-04.8 external whip antenna.**
- 3.) Replace the E-04.10.4 coaxial cable BNC connector to the male end of the E-04.10.1.12 static suppressor. (See drawing on next page)**

**After installing the E-04.10.1.12 static suppressor perform a "Self Test" of the E-04 ELT as prescribed in the ACK E-04 Installation/Operation manual Section 9, on page 10 to ensure proper ELT performance post installation.**

