

Subject: Introduction of Improved Pitot/AOA & Pitot/Static Software  
Aircraft Type: Eclipse 500 and Eclipse 550  
Effectivity: All Aircraft  
Applicability: All Aircraft Certified for Flight into Known Icing (FIKI)

## 1. SUMMARY

This SIL provides supplementary information regarding the introduction of improved Pitot/AOA and Pitot/Static probe software for FIKI Certified Eclipse 500 & 550 Aircraft.

## 2. BACKGROUND

In response to customer feedback, Eclipse Aerospace, Inc. ("EAI") and Harco Labs developed a new version of the embedded software that provides better probe performance throughout the entire flight envelope. Among the improvements incorporated are:

- Increased heat application on ground for 20 minutes after probe power-up to address any accumulated moisture.
- Increased heat throughout the entire flight envelope.
- Elimination of "power cycling" in flight.
- The addition of an insulating gasket to reduce the effects of heat loss to fuselage.

## 3. ECLIPSE ACTION

Tooling, parts, and software to perform the software upgrade will be available at EAI's Chicago and Albuquerque Service Centers beginning the week of September 15, 2014. The software upgrade will be available at all other EAI Authorized Service Centers during the week of September 22, 2014.

**This upgrade can only be performed at an EAI Authorized Service Center.** For operators without reasonable access to an EAI Authorized Service Center, please contact EAI Service Engineering and we will assist you in obtaining compliance. All upgrades must be coordinated through a maintenance provider authorized by the FAA, EASA, or other Civil Aviation Authority having jurisdiction and approved by Eclipse Aerospace, Inc.

EAI believes this upgrade provides great value to operators and encourages operators to incorporate this upgrade at the earliest opportunity. All EAI Authorized Service Centers will initially offer a flat rate price of \$1,150.00 USD.

## 4. SUGGESTED OPERATOR ACTION

Operators are encouraged to schedule the upgrade with their preferred EAI Authorized Service Center as soon as possible. The expected adoption rate for this upgrade is high, and available test equipment will limit bandwidth.

## 5. EXPORT CONTROL

These commodities, technology or software, were exported from the United States in accordance with the Export Administration Regulations. These commodities, technology or software are

**INFORMATIONAL — This service letter is for informational purposes only.**

intended for use only in the End User's country. An export license from the U.S. Department of Commerce may be required before these products can be re-exported, transferred, transshipped on a non-continuous voyage, or otherwise disposed of in any other country, either in their original form or after being incorporated into an end item. Diversion of this end-item or its use contrary to any applicable U.S. government license or to U.S. law is prohibited.

**INFORMATIONAL — This service letter is for informational purposes only.**