Service Information Letter

from AVIONIC INSTRUMENTS, LLC

Notification of Product Improvement for the 1G500-1A-2173 Static Inverter

Aircraft Effectivity: **ATR 42/72**

Inverter Effectivity: **Units in field not identified as MOD B or above.**

Background

As part of a product improvement, the terminal studs on the 1G500-1A-2173 Static Inverter are being changed from 1-piece brass studs to a 2-piece bi-metal stud consisting of two pieces:

1. A Brass Sleeve ("Barrel") for current carrying

2. A Stainless Steel insert for fastening.

The reason for this change is to prevent the possibility of stud breakage due to over tightening. The new stud uses a brass sleeve to carry the current, and a hardened 416 Stainless Steel Threaded insert to provide mechanical locking of the lugs to the unit.

Planning

Avionic Instruments has released this SIL to alert the fleet operators in possession of the in-service static inverters of the potential for product improvement. This SIL contains information on a change to the terminal block configuration for the static inverter cited herein.

We are requesting that operators review their installation records and identify inverters not identified as MOD B. Once identified, operators may return the static inverters for the upgrade contained herein.

The label on the front panel will be changed to indicate MOD Level B Incorporated.

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Material

Delete the terminal block assemblies and replace as follows.

On Parts List 1-001-0113-0804 the following replacements will be made:

- 1-001-2605-0052 (Single Piece Stud) becomes 1-001-2605-0067 & 1-001-2605-0063
- 1-001-2605-0048 (Single Piece Stud) becomes 1-001-2605-0075 & 1-001-2605-0064

Contacts

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