



## **SIL 3308 - 10 Service Information Letter**

THIS SERVICE INFORMATION LETTER CONTAINS IMPORTANT SAFETY INFORMATION REGARDING SANDEL'S SN3308, INCLUDING AN INSERT FOR THE PILOT'S GUIDE. PLEASE CAREFULLY REVIEW AND COMPLY WITH THE INSTRUCTIONS SET FORTH IN THIS SERVICE INFORMATION LETTER. THIS SERVICE INFORMATION LETTER AND ANY REFERENCES TO PRODUCTS OR SERVICES ARE PROVIDED "AS IS" WITHOUT ANY WARRANTY OR IMPLIED TERM OF ANY KIND.

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Date: August 08, 2012  
Regarding: SN3308 Flux Gate Failure Annunciation  
Revision: A, Initial Release

### **Subject:**

Initial communication regarding Pilot Guide Insert and forthcoming software update. This SIL will be revised when software is available

### **Product Affected:**

SN3308: Software versions 2.30 and previous on installations using Internal Slaving.

### **Reason for Service Information Letter:**

Sandel Avionics was recently involved in litigation in which it was claimed that during flight a mechanical failure occurred in the Humphrey fluxgate installed in a Cirrus SR22 driving the SN3308. It was claimed that during flight the fluxgate rotated itself 70° to a new heading. The case involved the possible resulting indications of the SN3308 to such a hypothetical change in heading.

The SN3308 operates as designed and certified. In such a case, after a suitable delay period of 2 minutes (to prevent nuisance slaving in turns) the SN3308 redlines the heading for 7 seconds and will turn the heading card to the re-acquired fluxgate heading. The attached insert to the Pilot's Guide provides more detail on this operation.

**Recommended Actions:**

- a) We are issuing an insert to the pilot's guide (attached, to be inserted into the pilot's guide)
- b) A software update will be made available approximately Oct 1, 2012 for the SN3308. The change in software will change the current automatic fast-slave operation as described above into manual fast-slave operation.

**Compliance:**

Recommended

**Warranty Reimbursement:**

N/A

**Manpower:**

N/A

**Approval:**

No change

**Identification:**

No change

**Testing:**

N/A

**Documentation:**

Insert to Pilot's Guide (attached)

**Company Contact:**

Product Support  
2401 Dogwood Way  
Vista, CA 92083  
760-727-4900 Extension 2  
877-726-3357 Extension 2 (Toll Free)

**END**