

## SB MT102-02 Service Bulletin for MT102 Magnetic Transducer Accessory

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Date: March 28, 2014  
Regarding: MT102 Cable  
SB Revision: A

This communication was previously released as Service Information Letter SIL MT102-01\_A. The instructions remain unchanged.

### Reason

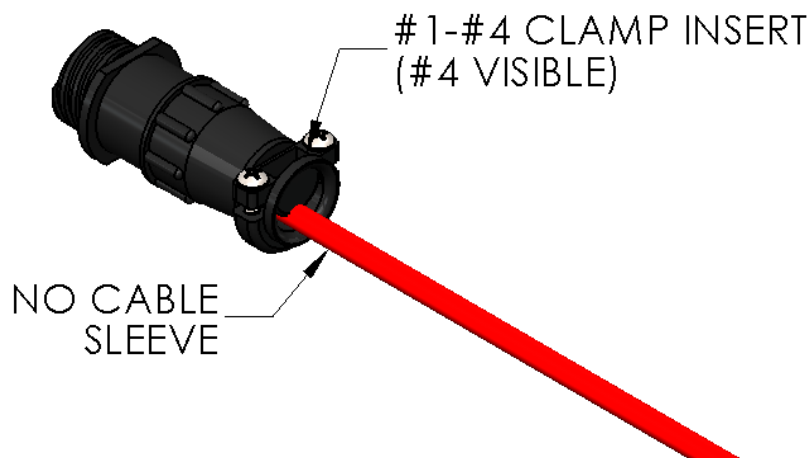
Sandel Avionics has identified a potential issue which could cause a failure condition of the MT102. If this occurs, communication between the MT102 and SG102 will stop resulting in loss of heading data from the SG102.

Loss of heading data is clearly indicated to the pilot via a flagged heading.

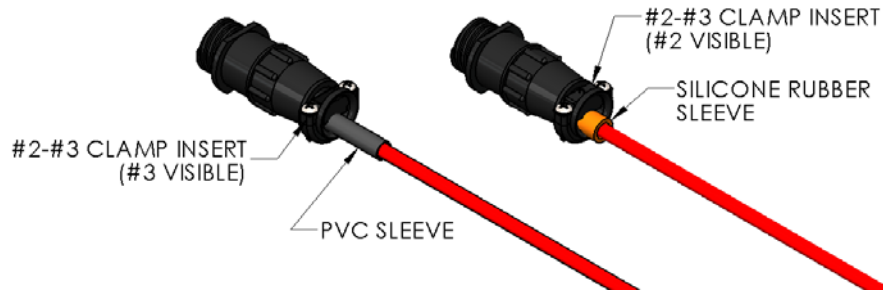
The cause of this issue is excessive clamping force on the MT102 cable clamp. This Service Information Letter provides a procedure to address possible excessive clamping force on the MT102 cable.

### Applicability

This Service Information Letter is applicable to MT102 units that do not have a sleeve on the cable installed by Sandel as shown in the following image.



This Service Information Letter is not applicable to MT102 units with a sleeve on the cable as shown in the following image.



## Compliance

**Mandatory:** To be performed at next scheduled aircraft service or within 250 hours or one year time in service from the date of this Service Information Letter.

Alternately, customers may replace their MT102 as described in the Warranty Reimbursement section of this Service Information Letter.

## Description

Without the presence of a cable sleeve on the MT102 cable, there may be excessive clamping force on the cable resulting in shorting of the individual wires in the cable bundle. To alleviate this potential issue, the cable clamp force may be reduced by loosening the two screws on the clamp.

Back the screws out until they are loose and then retighten them until the clamp contacts the cable while not exerting excessive force. The screws should just be snug. The distance between the connector housing and the cable clamp should be approximately 0.125" as shown in the following image.



## **Warranty Reimbursement**

If desired, customers may return their MT102 to Sandel for replacement. Please contact Sandel Avionics Product Support for further information. Please be aware replacing the MT102 will require a Compass Rose recalibration.

## **Manpower**

1 hour

## **Approval**

This modification does not affect the original approval.

## **Identification**

No change.

## **Testing**

None required unless a replacement MT102 is installed. In this case, the installation, setup, and calibration procedures must be followed as described in 82011-IM (SG102 Installation Manual) and 82011-ICUG (Installation Calibration Utility Guide) prior to flight.

## **Related Documentation**

82011-IM SG102 Installation Manual

82011-ICUG SG102 Installation Calibration Utility Guide

**END**