

SIL 3400-05 ST3400 TAWS Service Information Letter

Date: 2/15/06

Regarding: Malfunctioning Arinc 565 altimeters

Reason

Altimeters employing Arinc 565 interfaces with worn internal synchro components such as rings and brushes, may report erroneous altitude variances causing TAWS nuisance alerts.

Applicability

Sandel ST3400-xxx interfaced to altimeters using fine/coarse synchro outputs including but not limited to Smith P/N 2055-01-1 and IDC P/N 29007-XXX.

Description

Altimeters employing Arinc 565 interface may have worn internal components (rings and brushes) used in producing the synchro output signals. This condition can cause the output signal to represent short altitude variances of magnitudes greater than 2500 feet. The ST3400 TAWS can interpret this sudden change in altitude signal as a steep rate of descent and issue a TAWS alert.

It is recommended that altimeters that exhibit this problem be serviced by shops familiar with this type of altimeter wear. The servicing should specifically request replacement of the worn synchro components and testing the synchro output signals for noise prior to returning the altimeter to service.

Compliance

On condition.

Warranty

Not applicable.

Documentation

Not applicable.

END