



## SIL 3400-01 Service Information Letter

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**Date:** August 20, 2004

**Re:** Sandel ST3400 TAWS with the following serial numbers  
2049  
2081  
2084-2109  
2113-2114  
2116-2122

### Summary

Sandel has been advised of a memory failure problem which may affect the above serial numbers. It is not a safety of flight issue because built-in self-test will detect the problem; however it may result in an inoperative ST3400 due to the self-test failure.

### Description

Upon power-up of the ST3400, the terrain database will be flagged with a 'CRC Error'. When this occurs, the message 'TERR FAIL' will appear at the top of the display.

This problem appears to be due to defective flash memory chips, although the root cause is still being investigated. The problem was not evident at the factory level because the memory does not fail until some significant time after database loading (measured in days).

### Action

If the ST3400 is working correctly (no 'TERR FAIL' message) there is no issue and the system can be operated normally.

If the 'TERR FAIL' message does appear, please contact Art Rosa at Sandel, 760-727-4900. We will work to either repair or replace the affected item.

Thank you,  
Sandel Avionics

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Vista, CA 92081*

*Tel 760-727-4900  
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