

## SB 4550-04 Service Bulletin

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Date: August 20, 2009  
Regarding: SA4550 with LED Backlight – display discoloration  
Revision: A, Initial Release

### Reason

Problems in the field with display discoloration.

### Applicability

Applies to all serial numbers SA4550-XXX without MOD 1. (All units shipped prior to August 24, 2009).

### Description

There have been an increasing number of units returned to the factory for repair due to a discoloration (darkened area) in the center of the screen. This appears to occur on a random basis and some units are not affected. This problem has been traced to a combination of manufacturing tolerances and a plastic polarizer in the optical system which is not meeting its published specifications.

NOTE: This is a cosmetic condition, not a safety of flight condition.

A replacement glass polarizer has been designed which is not subject to this problem. This part can be factory retrofitted into any existing LED backlight unit.

### Compliance

On condition. The factory will perform this modification at any time during the service life of the affected unit. We recommend this repair be performed at a convenient time during normal airframe maintenance so it will not affect dispatch.

To schedule the modification please contact Sandel and obtain an RMA number. Contact Sandel at 760-727-4900, select option '3' and then option '1' for RMA assistance. Or email [sales@sandel.com](mailto:sales@sandel.com) with your contact information.

### Warranty Reimbursement

None.

**Documentation**

None.

**Approval**

This modification does not affect the original approval.

**Identification**

SA4550 units with the modification will be marked with MOD 1.

**END**