

Engineering Bulletin

Bulletin No: EB-04-001

03/18/2004

Equipment: Part No.: 8002785
Description: AN/SPN-43 Stabilization Upgrade
Manufacturer: BAE SYSTEMS

Subsystem: Servo Amplifier Assembly

A possible thermal issue has been discovered in the 8002785-10 Servo Amplifier Assembly. This assembly contains two off-the-shelf current amplifiers mounted to a machined heat sink plate. Some amplifiers have been found to have excess epoxy used for fabrication which can prevent an even metal-to-metal contact between amplifier and heat sink.

Three units were fielded before this issue was discovered. The Servo Amplifier Assembly is installed into the SPN-43 2A1A1 Pedestal Junction Box. The serial numbers of the 2A1A1 J-Boxes in question are:

<u>Box Mod #</u>	<u>2A1A1 J-Box S/N</u>
1	A13
2	A20
3	A23

The Servo Amplifier Assembly is mounted into the J-Box with four screws and three electrical connectors.

Recommendation:

If a unit has been operational for more than 100 hours in its fielded configuration no action is necessary. However, BAE Systems recommends visual inspection of non-fielded units. The recommended approach for verification is to swap out the entire 8002785-10 assembly and return it to the factory for inspection.

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