

Thales
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BULLETIN NO. MK20A-003

DATE: 6 November 2007

APPLICABLE TO: Model Mark 20A Instrument Landing Equipment

SUBJECT: Add In-line Fuse to Protect the Mark 20A J2 Backplane from Possible Overcurrent

UNITS AFFECTED: Dual Equipment Localizer Subsystems part numbers 098693-0001 098685-0001, 098708-0001 delivered prior to 2007.

Dual Equipment Glide Slope Subsystem part numbers 098700-0001, 098701-0001, 098702-0001, 098686-0001 delivered prior to 2007.

DESCRIPTION OF CHANGE

Mark 20A J2 backplanes have demonstrated a weak connection of the +28-volt supply line that feeds the transfer assembly in dual equipment systems. In addition, there have been incidents where tools or cables have been inadvertently dropped in critical locations while the system is powered and contact made with the transfer assembly supply voltage. In both cases, the current carrying capacity of the printed wiring board is exceeded and the backplane suffers severe damage. In order to prevent such damage, systems delivered starting in 2007 will be equipped with an in-line fuse. This fuse removes the J2 backplane from the supply path to the transfer assembly and also protects the system against any shorting that may occur on the transfer assembly.

Thales developed a kit that provides the materials and instructions for installation of a fuse in the systems. Incorporation of this fuse is not mandatory however recommended to minimize the potential for equipment damage. Thales recommends that dual equipment systems operate on side #2 transmitter until the modification is installed.

Instructions for Setting the System on Side #2

1. Turn System power off.
 2. Locate LCSU circuit card assembly. Change switch S2-1 on the LCSU circuit card assembly to the "on" position.
 3. Turn system power back on.
- Number two transmitter will now be the main transmitter to the antenna.

How to Order the In- Line Fuse Kit

A field installation fuse kit, part number 069724-0001 is available at no cost.

Contact Thales at:

Telephone: 913-422-2735 or 800-526-3433 (domestic calls)

E-Mail: Sales@thalesatm.com

Mail: Thales ATM Inc.
23501 West 84th ST
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Attn: Customer Service

A copy of this bulletin and the installation information can be viewed on our website
www.thalesatminc.com

CHANGE YOUR INSTRUCTION MANUAL TO CONFORM