

Navigation & Surveillance

Thales Air Traffic Management U.S.
10950 El Monte, Suite 110
Overland Park, KS 66211
Telephone: 913-422-2600

BULLETIN NO: MK20A-06 Rev A

DATE 04-08-2014

APPLICABLE TO: MK20A ILS (including MK20A LOCALIZER and MK20A GLIDE SLOPE) and MK20C MARKER BEACON

SUBJECT: Thales has identified an issue wherein mismatched DC-DC converters (Part No. 120293-0001) located in a MK20A system can exhibit a high voltage output and lead to a system reset when the system is a dual configuration.

EQUIPMENT AFFECTED:

New equipment and/or spares purchased between January 1, 2013, through April 8, 2014, for the following products: MK20A Localizer, MK20A Glide Slope, and MK20C Marker Beacon.

ISSUE:

The 5.0 VDC output of the DC-DC converter (Part No. 120293-0001) PCS version 14 or 15 may be operating at an output level near 5.2 VDC. This output level is higher than previous versions of DC-DC converters (PCS versions 13 or lower), which operates at a nominal 5.0 VDC. The higher output level can cause mismatched voltages between two different DC-DC converters if both versions are installed in a MK20A system, impacting the MK20A system's availability and reliability. The MK20A will issue a system reset if a DC-DC converter failure/off condition occurs in a dual system, and this reset will cause the dual system to temporarily lose all communications and take both transmitters off-line for the reset time interval.

RESOLUTION:

Thales has designed and tested a modification to the DC-DC converter (Part No. 120293-0001) that will resolve the output issue and stabilize the voltage at 5.0 VDC. Thales is requesting that all DC-DC converters (Part No. 120293-0001) that are marked with PCS version 14 or 15 be immediately returned to Thales for repair or replacement at Thales' cost.

RETURN INSTRUCTIONS:

To determine whether your DC-DC converter (Part No. 120293-0001) located in your MK20A system and/or system spares should be returned to Thales, please check the PCS version number located on your DC-DC converter or converters. For your reference, Thales has included a picture of the DC-DC converter below that delineates the location of the PCS version number. If you have a DC-DC converter that has a PCS version number that is 14 or 15, please contact Thales Customer Service at the phone number or e-mail listed below to make arrangements to immediately return the DC-DC converter to Thales for repair or replacement at Thales' cost. **Please note that DC-DC converters (Part No. 120293-0001) with PCS version 13 or lower and DC-DC converters (Part No. 120293-0001) with PCS version 16 or higher are NOT subject to this recall.**

REFERENCES:

MK20A Localizer: Refer to Manual 704684, Section 7 - Corrective Maintenance.

MK20A Glide Slope: Refer to Manual 704685, Section 7 - Corrective Maintenance.

MK20C Marker Beacon: Refer to Manual 704686, Section 7 - Corrective Maintenance.

Thales Customer Service Contact Information:

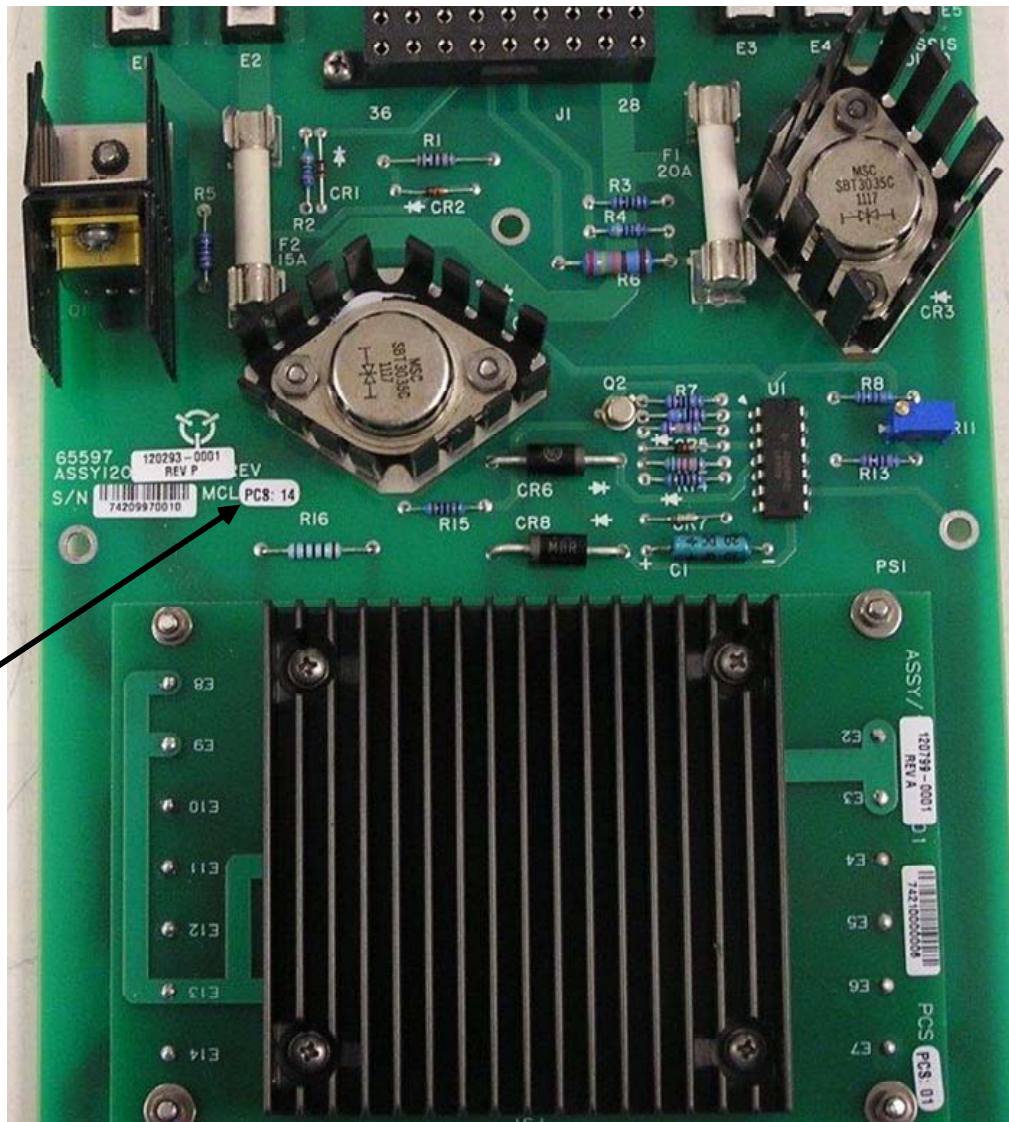
1-913-422-2756

800-526-3433

E-mail: Glenna.salinas@thalesdsi.com

**For a complete listing of all Service Bulletins,
please visit our website at: Thalesdsi.com
Customer Support, ATM Service Bulletins.**

120293-0001 DC-DC Converter



PCS Number
Location