

Navigation & Surveillance

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

BULLETIN NO: ILS420-009

DATE: January 27, 2016

**APPLICABLE TO:** MK20A and ILS 420 Glide Slope

**SUBJECT:** Thales has identified a potential issue with the soldering of some connections in trombone phasers. The affected trombone phasers are Part No. 247950-0001 used in the Glide Slope ILS for both the MK20A Distribution Unit and Combining Unit (DUCU) (Part No. 120519-0001) and the ILS 420 J-Box Enclosure (Part No. 283171-0001). These affected trombone phasers may cause variation in the Glide Slope signal which will be detected by the monitor and shut down if safety limits are exceeded.

**EQUIPMENT AFFECTED:**

Equipment and/or spares delivered between January 2013 and August 2015 that have the RLC Electronics label on the trombone phasers. Trombone phasers are located in the MK20A Glide Slope DUCU and ILS 420 Glide Slope J-Box (as shown in picture #1).

**ISSUE:**

Thales has found the issue is related to a specific trombone phaser that has the RLC Electronics label with a serial number earlier than 1549. For your reference, pictures of the trombone phasers are shown below that delineates the location of the manufacturer label, (picture #2a and #2b). If you have a DUCU (part number 120519-0001), J-Box Enclosure (part number 283171-0001) or trombone phaser spare (247950-0001), please check the manufacturer label located on each individual trombone phaser. Acceptable trombone phasers are marked with a white serial number label of 1549 or later or have a white serial number label with an earlier serial number but have an ink stamp with a code of 1549 or later. (picture #2a and #2b). All trombone phasers manufactured by Microlab/FXR as depicted in picture #3 do NOT have this issue and no action is required.

**RESOLUTION:**

If you have an affected trombone phaser or are experiencing Glide Slope performance issues, please contact Thales Customer Service.

**Thales Customer Service Contact Information:**

1-913-422-2756

1-800-526-3433

E-mail: [Glenna.salinas@thalesdsi.com](mailto:Glenna.salinas@thalesdsi.com)

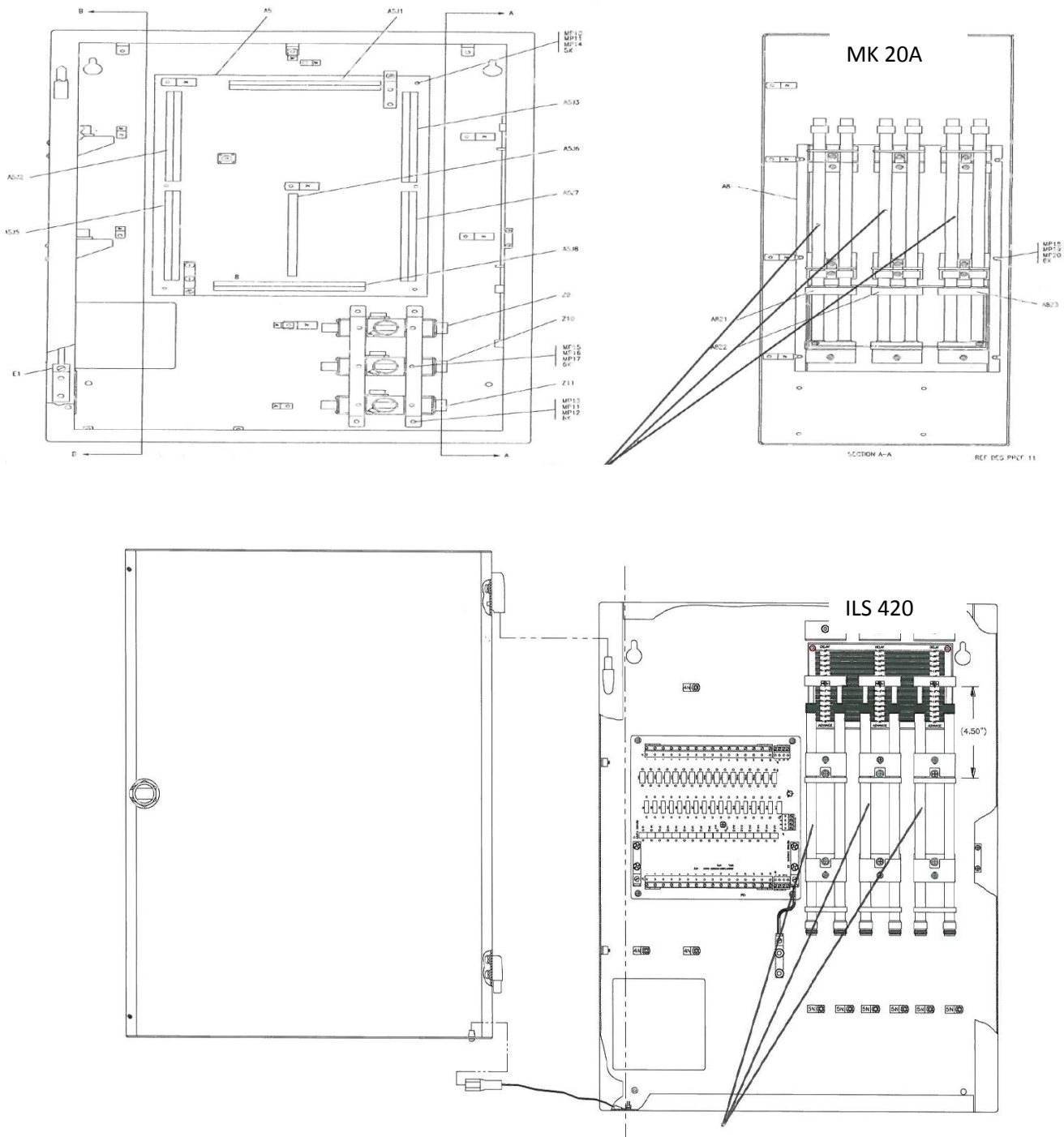
**For a complete listing of all Service Bulletins, please visit our website at: [Thalesdsi.com](http://Thalesdsi.com) Customer Support, ATM Service Bulletins.**

**REFERENCES:**

MK20A Glide Slope: Refer to Manual 704685-0300, Section 11, Figure 11- 35

ILS 420 Glide Slope: Refer to Manual TI 6750.217, Section 11, Figure 11-30a

**Location of Trombone Phasers - Picture #1**



**Part No. 247950-0001 Trombone Phaser**

**Picture #2a**

**Correct RLC Trombone Phaser**



**Picture #2b**  
**Correct RLC Trombone Phaser with SN prior**  
**to 1549 and with an ink stamp of 1549 or later**





Picture #3

