

NUMBER	SB1903
TO	T-Series Installers, Dealers, MROs / Astronics AeroSat Repair Station (QOER078Y)
SUBJECT	LPT J-Hook Hardware Inspection and Replacement
REVISION	Rev A
DATE	3/12/19

AFFECTED ASTRONICS AEROSAT PRODUCT

DESCRIPTION	Low Power Transceiver
PART NUMBER	005-2025-1001
PART NUMBER REVISION	Rev All

REFERENCE DOCUMENTATION

005-2025-1001	Low Power Transceiver
Quality Alert 13082018-1	Replacement of J-Hook Screws

1.0 COMPLIANCE – MANDATORY

Complete the procedure in this bulletin within 12 months from the date of issue.

2.0 BACKGROUND

Incorrect screws were used on the J-Hooks on the 005-2025-1001 LPT (Low Power Transceivers) that were shipped before 10/1/18. The incorrect screws do not have the thread engagement that was defined and intended in the original design. Astronics AeroSat has evaluated the hardware and determined it to be a non-safety of flight issue. This inspection and replacement instruction was created.

3.0 PURPOSE

The purpose of this Service Bulletin is to determine if the proper screw is installed in the 005-2025-1001 LPT J-Hook, and to provide instructions to replace the screw, if necessary.

4.0 SCOPE

This Service Bulletin applies to T-Series LPTs shipped before 10/1/18. Verification and replacement can be done either on wing, or with a RMA to Astronics AeroSat for compliance at a scheduled maintenance interval.

5.0 APPROVAL

Astronics AeroSat Field Service Engineering approves this Service Bulletin.

6.0 PROCEDURE

Remove the screws from the J-Hooks on the HPT one at a time and verify the hardware is 909-0598 #6-32 x 5/8" 100 Deg. Flat Hd. Phillips Screw. If it is the correct hardware, reinstall the hardware with Loctite 290 and torque to 9.6 Inch Pounds.

If the hardware is 909-0171 #6-32 x 1/2" 100 Deg. Flat Hd. Phillips Screw, replace the hardware with 909-0598 #6-32 x 5/8" 100 Deg. Flat Hd. Phillips Screw. Install with Loctite 290 and torque to 9.6 Inch Pounds

6.1 PERSONNEL REQUIREMENTS

One aircraft maintenance technician is necessary to complete this task.

6.2 TOOLING REQUIREMENTS

General hand tools are required to complete this task.

6.3 PARTS REQUIREMENTS

Loctite 290 (1 Each)

909-0598 #6-32 x 5/8" 100 Deg. Flat Hd. Phillips Screw (4 Each)

6.4 WEIGHT AND BALANCE

There is no effect to weight and balance.

6.5 ELECTRICAL LOAD

There is no effect to electrical load.

7.0 INSTRUCTIONS

1. Remove one screw from the 005-2025-1001 LPT J-Hook.
2. Verify the hardware is 909-0598 #6-32 x 5/8" 100 Deg. Flat Hd. Phillips screw.
 - If it is the correct screw, proceed to step 3.
 - If the screw is 909-0171 #6-32 x 1/2" 100 Deg. Flat Hd. Phillips screw, discard the screw. Replace the screw with 909-0598 #6-32 x 5/8" 100 Deg. Flat Hd. Phillips screw.
3. Apply Loctite 290 to the 909-0598 #6-32 x 5/8" 100 Deg. Flat Hd. Phillips screw.

4. Install on the J-Hook assembly and torque to 9.6 inch pounds.
5. Perform steps 1-4 for all other J-Hook screws on 005-2025-1001 LPT.

8.0 ACCEPTANCE/REJECTION CRITERIA

Acceptance of this Service Bulletin is verification that the correct hardware was installed, or the incorrect hardware has been replaced with the replacement hardware provided.

9.0 RECORD OF COMPLIANCE

When the maintenance action is complete, make an entry in the appropriate aircraft log or operator's maintenance documentation system.

CONTACT INFORMATION

For questions regarding this Service Bulletin, please contact Astronics AeroSat Product Support.

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