



A Textron Company

## **ALERT SERVICE BULLETIN**

**427-24-47**

**PSL # 2121**

7 August 2024

**MODEL AFFECTED:** 427

**SUBJECT:** MAIN ROTOR EXPANDABLE BLADE BOLT  
406-310-103-103, REMOVAL FROM SERVICE

**HELICOPTERS AFFECTED:** Serial numbers 56001 through 56084 and 58001  
through 58002.

**COMPLIANCE:** Within 30 flight hours or 30 days whichever occurs first  
after the release date of this bulletin. For expandable  
blade bolt spares stock, no later than 30 days after the  
release date of this bulletin.

### **DESCRIPTION:**

Bell has been made aware that some expandable blade bolts may not have received the correct heat treatment. This Alert Service Bulletin mandates that the affected serial numbers shown in Table 1 be removed from service.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

### **APPROVAL:**

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

## CONTACT INFO:

For any questions regarding this bulletin, please contact:

Bell Product Support Engineering  
Tel: 1-450-437-2862 / 1-800-363-8023 / productsupport@bellflight.com

## MANPOWER:

Approximately 2.0 man-hours are required to complete this bulletin. This estimate is based on hands-on time and may vary with personnel and facilities available.

## WARRANTY:

Owners / Operators of Bell Helicopters who comply with the instructions in this bulletin will be eligible to receive non prorated replacement part as applicable, listed in the MATERIAL section of the bulletin. The mybell.com portal allocates specific warranty entitlement for an aircraft by serial number. The Product Service Letter (PSL) number which will be listed below the bulletin number on the introduction page will be a required field when submitting a claim on the Bulletins Tab for replacement parts, labor, and/or freight. If you receive an ASB or TB that does not have a PSL number, then there is no warranty entitlement for that bulletin.

Labor entitlement: \$210.00 USD

To receive parts, labor, under warranty:

- Determine if the installed expandable blade bolt or any spares stock are affected by this bulletin using the list of serial numbers in Table 1 and provide a high quality picture of the Expandable Bolt serial number on the Bulletin claim to be eligible for parts and labor.
- Comply with the instructions contained in this Bulletin no later than the applicable date in the “compliance section”.
- If there is a PSL number identified in the bulletin you will be required to enter this PSL number which will validate warranty entitlement for the selected aircraft. Please ensure that you use the Bulletin tab on the warranty section on [www.mybell.com](http://www.mybell.com) portal to file your claim.

**NOTE:** Customers who fail to comply with the instructions in this Bulletin before **October 04, 2024**, will not be eligible for the special warranty listed above.

A user guide on how to submit a claim can be found here:  
[How to Submit PSL Bulletin Claims.](#)

**MATERIAL:**

**Required Material:**

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>
406-310-103-103	Bolt, Expandable	A/R (1)

**NOTE 1:** Only required if within the affected serial number list of Table 1.

**Consumable Material:**

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's consumable material stock levels. This material may be obtained through your Bell Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>	<u>Reference *</u>
2100-09016-02	Corrosion Preventative Compound (Grade 2)	1 (1)	C-104

\* C-XXX numbers refer to the consumables list in the BHT-ALL-SPM, Standard Practices Manual

**NOTE 1:** Quantity indicated is the format that the product is delivered in. Actual quantity required to accomplish the instructions in this bulletin may be less than the quantity delivered.

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

BHT-427-MM Maintenance Manual

**PUBLICATIONS AFFECTED:**

None affected.

**ACCOMPLISHMENT INSTRUCTIONS:**

1. Prepare the helicopter for maintenance.
2. Determine if the installed expandable blade bolt or any spares stock are affected by this bulletin using the list of serial numbers in Table 1.

**Table 1 – List of Affected Main Rotor Expandable Blade Bolts  
(406-310-103-103) Serial Numbers**

SLFS9386	SLFS9387	SLFS9388	SLFS9389	SLFS9390
SLFS9391	SLFS9392	SLFS9393	SLFS9394	SLFS9395
SLFS9396	SLFS9397	SLFS9398	SLFS9399	SLFS9400
SLFS9401	SLFS9402	SLFS9403	SLFS9404	SLFS9405

3. If the expandable blade bolt is not in the list of affected serial numbers, proceed to step 6.
4. If the expandable blade bolt serial number is part of the list of affected serial numbers, remove from service and scrap (BHT-427-MM; Chapter 62-5).
5. Install a serviceable expandable blade bolt (BHT-427-MM; Chapter 62-9).
6. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.