



A Textron Company

## **ALERT SERVICE BULLETIN**

**429-24-62**

**PSL # 1911**

12 March 2024

**MODEL AFFECTED:** 429

**SUBJECT:** MAIN ROTOR PITCH LINK ROD END 429-010-433-103, ONE TIME VERIFICATION OF.

**HELICOPTERS AFFECTED:** Serial numbers 57001 through 57500 equipped with rod end serial numbers identified in Table 1.

**COMPLIANCE:** Within 30 flight hours or 1 month, whichever comes first after the release date of this bulletin.

### **DESCRIPTION:**

Bell was informed that some 429-010-433-103 main rotor pitch link rod ends were manufactured with a slightly less thread pitch than the design requires. This a condition that makes the assembly of the rod end into the pitch link tube insert difficult due to the thread mismatch. All the discrepant rod end assemblies were sold as spare parts. This bulletin mandates an inspection of the main rotor pitch links to verify if they have an affected rod end installed.

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 0.5 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 replacement part as applicable, listed in the bulletin. The [www.mybell.com](http://www.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. This is going to be a required field when submitting a claim on the Bulletins Tab for replacement parts. 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: No

To receive parts, under warranty:

- 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.

## 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>
429-010-421-101	Pitch Link Assembly	A/R (1, 2)
429-010-421-103	Pitch Link Assembly	A/R (1, 2)
429-010-433-103	Rod End Assembly	A/R (3)

**NOTES:**

1. As Required.
2. Required only if a pitch link assembly has an affected rod end installed as identified in **Table 1**.
3. All discrepant rod end assemblies were sold as spare parts. If a rod end assembly listed in **Table 1** has not yet been installed in a pitch link assembly, a replacement part can be requested in accordance with the **WARRANTY** section of this bulletin.

**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>
2100-00044-00	Corrosion Preventive Compound	1 Pt (1)	C-101
2100-09016-02	Corrosion Preventive Compound	1Pt (1)	C-104
1650-03296-00	Safety Wire	1 Roll (1)	C-405

\* 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 what has been delivered.

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

429-IPB Illustrated Parts Breakdown  
429-MM Maintenance Manual

## PUBLICATIONS AFFECTED:

None affected.

## ACCOMPLISHMENT INSTRUCTIONS:

1. Prepare the helicopter for maintenance.
2. Inspect the main rotor pitch links for the presence of a 429-010-433-103 upper rod end assembly with a serial number listed in **Table 1**.
  - a. If there are no affected rod ends, proceed to step 6.
  - b. If there is one or more pitch link assembly with an affected rod end, remove it from service ([DMC-429-A-62-30-00-00A-520A-A](#)) and proceed to the next step.
3. Report the affected rod end to Product Support Engineering at [productsupport@bellflight.com](mailto:productsupport@bellflight.com). Make sure to include the helicopter and rod end assembly serial numbers as well as a high-quality photo of the part which shows the part number and serial number.
4. Submit a warranty claim in accordance with the information provided in the **WARRANTY** section of this bulletin. The discrepant pitch link assembly shall be returned to Bell in accordance with instructions provided by the warranty administrator.
5. Install a serviceable main rotor pitch link assembly ([DMC-429-A-62-30-00-00A-720A-A](#)).
6. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.

**Table 1 – Affected 429-010-433-103 Rod End Serial Numbers**

<b>TI292</b>	<b>TI300</b>	<b>TI0394</b>	<b>TI0421</b>
<b>TI293</b>	<b>TI301</b>	<b>TI0398</b>	<b>TI0426</b>
<b>TI294</b>	<b>TI302</b>	<b>TI0406</b>	<b>TI0427</b>
<b>TI295</b>	<b>TI303</b>	<b>TI0407</b>	<b>TI0435</b>
<b>TI296</b>	<b>TI304</b>	<b>TI0410</b>	<b>TI0436</b>
<b>TI297</b>	<b>TI305</b>	<b>TI0414</b>	<b>TI0438</b>
<b>TI298</b>	<b>TI307</b>	<b>TI0416</b>	<b>TI0439</b>
<b>TI299</b>	<b>TI308</b>	<b>TI0419</b>	<b>TI0445</b>