



A Textron Company

ALERT SERVICE BULLETIN

222-26-115

5 August 2026

MODEL AFFECTED: 222

SUBJECT: TAIL ROTOR PITCH HORN ASSEMBLY P/N 222-012-774-109, REMOVAL FROM SERVICE.

HELICOPTERS AFFECTED: Serial numbers 47006 through 47089

COMPLIANCE: Before next flight after the release of this bulletin.

DESCRIPTION:

Bell was informed of an in-flight failure of a tail rotor pitch horn that resulted in a loss of tail rotor effectiveness and a subsequent loss of control. As a result, Bell is mandating, through this bulletin, the removal of tail rotor pitch horn assemblies part number 222-012-774-109 before the next flight on the model 222 helicopter variant. The 222 variant experiences the highest loads on the tail rotor pitch horn assembly compared to the 222B and 222U variants. TB 222-94-142 introduced the 222-012-774-109 tail rotor pitch horn assembly as an optional upgrade on the 222/222B and is now superseded by this bulletin. This bulletin also reverts back to the installation of the 222-012-705-105/-107 tail rotor pitch horn assemblies in lieu of part number 222-012-774-109. This is an interim measure to address the immediate safety concern until a newly designed tail rotor pitch horn is made available.

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 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:

There is no warranty credit applicable for parts or labor associated with this bulletin.

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>
222-012-705-105	Pitch Horn Assembly	AR (1)
222-012-705-107	Pitch Horn Assembly	AR (1)
222-012-765-101	Pitch Link Assembly	AR (1)
222-012-765-103	Pitch Link Assembly	AR (1)
20-057-5-28D	Bolt	AR
20-057-5-32D	Bolt	AR

NOTE 1: The 222-012-705-105 and 222-012-705-107 pitch horn assemblies are compatible with both the 222-012-765-101 and 222-012-765-103 pitch link assemblies. Any combination of these parts is allowed.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-222-IPB, Illustrated Parts Breakdown, Chapter 64
BHT-222/222B-MM, Maintenance Manual, Chapter 65
BHT-222-CR&O-3, Component Repair and Overhaul, Chapter 64
TB 222-94-142, Technical Bulletin

PUBLICATIONS AFFECTED:

TB 222-94-142, Technical Bulletin

ACCOMPLISHMENT INSTRUCTIONS:

1. Prepare the helicopter for maintenance.
2. Verify the part numbers of the tail rotor pitch horn assemblies.

-NOTE-

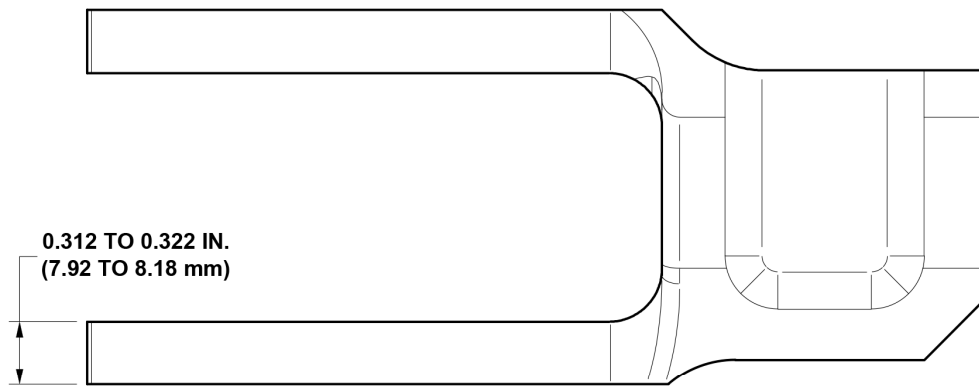
The part number of the pitch horn assembly is vibro-etched on the component. The physical differences between the 222-012-705-XXX pitch horn assembly and the 222-012-774-XXX pitch horn assembly are shown in Figure 1.

- a. Report the following information for each pitch horn assembly to Product Support Engineering (productsupport@bellflight.com);
 - (1) In the email subject line enter: *"ASB 222-26-115; Tail Rotor Pitch Horn Assembly Survey"*.
 - (2) Pitch horn assembly part number and serial number.
 - (3) Total Time Since New (TTSN) of the pitch horn assembly.
- b. If the part numbers are 222-012-705-105 or 222-012-705-107, go to step 9.
- c. If the part numbers are 222-012-774-109, go to step 3.

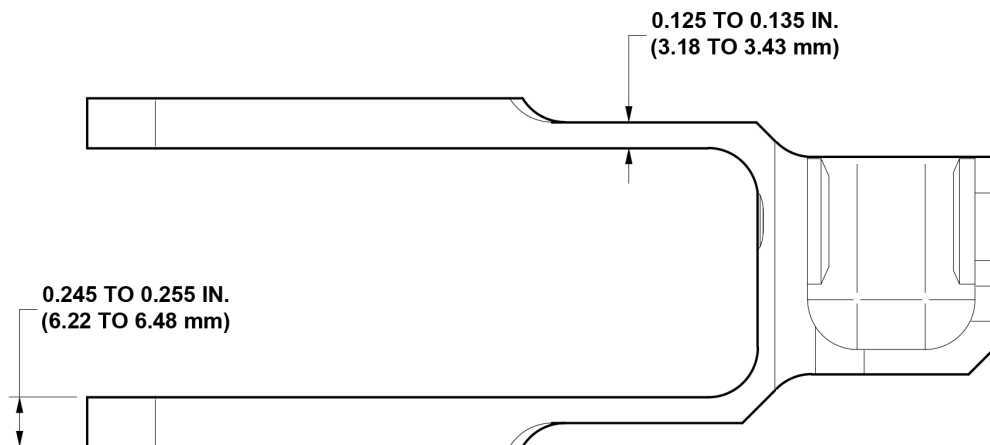
-NOTE-

The pitch link assembly P/N 230-312-001-101 which is installed with the pitch horn assembly 222-102-774-109 is not compatible with the pitch horn assembly's P/N 222-012-705-105/-107, therefore the tail rotor pitch link assembly P/N 222-012-765-101 or -103 must be reinstalled.

3. Remove the tail rotor pitch links P/N 230-312-001-101 (BHT-222/222B-MM-1, Chapter 65). Discard bolts P/N 20-057-5-21D.
4. Remove the tail rotor pitch horn assemblies P/N 222-012-774-109 (BHT-222-CR&O-3, Chapter 64). Discard bolts P/N 20-057-5-30D.
5. Install the tail rotor pitch horn assemblies P/N 222-012-705-105 or 222-012-705-107 (BHT-222-CR&O-3, Chapter 64) using P/N 20-057-5-32D bolts.
6. Install the tail rotor pitch links P/N 222-012-765-101 or 222-012-765-103 (BHT-222/222B-MM-1, Chapter 65) using P/N 20-057-5-28D bolts.
7. Move directional controls through full travel and check for clearance.
8. Dynamically balance the tail rotor hub and blade assembly (BHT-222/222B-MM-1, Chapter 65).
9. Make an entry in the helicopter logbook and historical service records indicating compliance with this Alert Service Bulletin.



222-012-705



222-012-774

Figure 1: Difference Between Pitch Horn Assemblies