

# ALERT SERVICE BULLETIN



A Textron Company

NO. 206-09-120

DATE Feb. 25, 2009

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DATE
REV

**MODEL AFFECTED:** 206 A/B SERIES and TH-67

**SUBJECT:** MAIN ROTOR PITCH HORN TRUNNION BEARING 206-011-105-001, ONE TIME CHECK,

**HELICOPTERS AFFECTED:** 206A Helicopters serial number 004 through 660 and 672 through 715.

206A Helicopters converted to 206B as per Service Instruction 206-80.

206B Helicopters serial number 661 through 671 and 716 through 4660.

206B (TH-67) Helicopters serial number 5101 and subsequent.

206B helicopters serial number 4661 and subsequent will have the intent of this bulletin accomplished prior to delivery.

**COMPLIANCE:** For bearings in spares stock (as a detail or in a pitch horn assembly), immediately upon receipt of this bulletin.

For bearings installed on a Helicopter; at or before the next scheduled lubrication but no later than 30 days upon receipt of this bulletin.

**DESCRIPTION:**

Bell Helicopter has received a report of a 206-011-105-001 bearing found with no lubrication passage drilled in the portion of the bearing that fits inside the pitch horn assembly.

This Alert Service Bulletin has you perform a one time inspection or lubrication verification of all trunnion bearings installed on helicopter or consigned in spares for conformity.

**APPROVAL:**

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

**MANPOWER:**

No additional man-hours are required to complete this bulletin when accomplished during scheduled maintenance.

**WARRANTY:**

Owners / Operators of Bell Helicopters who comply with the instructions in of this Bulletin will be eligible to receive a credit for the replacement trunnion bearing part number 206-011-105-001 outlined under the required material section.

To receive this credit:

- Purchase the required parts from a BHT supply source.
- Comply with the instructions contained in this Bulletin no later than the applicable hours in the “compliance section” of this ASB.
- Submit an MMIR to the Bell Warranty Department for the replacement parts.

Customers who fail to comply with the instructions in this Bulletin after the dates given in the compliance section are not eligible for the special warranty exceptions listed above. No other labor cost will be covered under this Bulletin.

**MATERIAL:****Required Material:**

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

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
206-011-105-001	BEARING	See Note 1

**Note:**

1. Only replace bearings that can not be purge lubricated normally.

**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 Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>	<u>Reference</u>
MIL-PRF-81322 Grade A	Grease	A/R	C-001

**SPECIAL TOOLS:**

None required

**WEIGHT AND BALANCE:**

Not affected

**ELECTRICAL LOAD DATA:**

Not affected

**REFERENCES:**

BHT-206A/B-SERIES-MM-6 Maintenance Manual  
BHT-206A/B-M&O-1

**PUBLICATIONS AFFECTED:**

None affected

**ACCOMPLISHMENT INSTRUCTIONS:**

**-NOTE-**

It is not necessary to remove the trunnion bearing from the pitch horn assembly to ensure the lubrication passage has been drilled.

1. Visually inspect bearings consigned in spares for evidence of a missing lubrication passage. Refer to Figure 1. If the bearing is found defective, proceed with step 3.
2. For bearings installed on a helicopter or in a pitch horn in spares stock, purge lubricates the bearing in accordance with the applicable maintenance manual.
  - a. If the bearing can be purge lubricated normally, it is serviceable. Proceed with Step 4.
  - b. If the bearing can not be purge lubricated normally, replace with a serviceable bearing. Proceed with step 3.
3. Return bearings found with a missing lubrication passage to Bell Helicopter. Refer to the Warranty Statement of this bulletin for details.
4. Annotate the helicopter records indicating compliance with this bulletin.



**Figure 1, Trunnion Bearing 206-011-105-001 with and without lubrication passage.**