

**ALERT SERVICE BULLETIN**



A Textron Company

NO. 206-09-122

DATE April 07, 2009

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DATE
REV

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

**SUBJECT:** STAKED BEARINGS, ONE-TIME INSPECTION OF.

**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 4661, 4663 through 4665, 4667 and 4670 and all spare parts.

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

Model 206B helicopters serial numbers 4662, 4666, 4668, 4669, 4671 and subsequent will have the intent of this bulletin accomplished prior to delivery.

Spare parts delivered after the release of this bulletin are not affected.

**COMPLIANCE:** Within the next 10 flight-hours or 30 days, whichever comes first.

**DESCRIPTION:**

Bell Helicopter received two reports where a bearing had migrated out of a flight control lever. Investigation revealed that, although the inspection witness mark was applied to the part, the bearing had not been staked during manufacturing. Affected parts were associated with a single Bell Helicopter supplier. Review of the supplier's manufacturing and quality process indicates inspection of additional components is necessary.

Bell Helicopter issues this bulletin to accomplish a one-time inspection of various parts that could potentially exhibit the same defect. The affected parts are listed in Table 1. Parts in service and all spare parts are affected. When serialized, only parts with serial number prefix TI or TIFS are affected. However, affected part not serialized, may have Supplier marking as shown on Figure 1.

**APPROVAL:**

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

**MANPOWER:**

Approximately 1.0 man-hour is required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

**WARRANTY:**

There will be no warranty associated with this bulletin.

**MATERIAL:**

None required

**SPECIAL TOOLS:**

None required

**WEIGHT AND BALANCE:**

Not affected

**ELECTRICAL LOAD DATA:**

Not affected

**REFERENCES:**

BHT-206A/B-SERIES-IPB Illustrated Parts Breakdown  
BHT-206A/B-SERIES-MM Maintenance Manual  
BHT-206A/B-M&O Maintenance and Overhaul Manual  
BHT-ALL-SPM Standard Practices Manual

**PUBLICATIONS AFFECTED:**

None affected

**ACCOMPLISHMENT INSTRUCTIONS:**

**Inspection of parts in Table 1**

1. Gain access to the affected parts. See Table 1 for a list.
2. Using a 10X magnifying glass or other suitable means such as a boroscope, inspect parts for bearings that have not been staked. Refer to Standard Practices Manual (SPM). If a bearing is not visible, apply hand pressure to the part to detect any axial movement. If still in doubt, remove the part from the aircraft to inspect.
3. Should you find a part with a discrepant bearing, replace the bearing or the assembly and contact Product Support Engineering to report finding.
4. Make an entry in the helicopter historical records indicating compliance with this Alert Service Bulletin.

Table 1. Affected Parts

Part Number	Description
206-001-526-001	Bellcrank Assembly
206-001-538-009	Bellcrank Assembly
206-010-336-109	Idler Link Assembly
206-031-589-001	Link Assembly

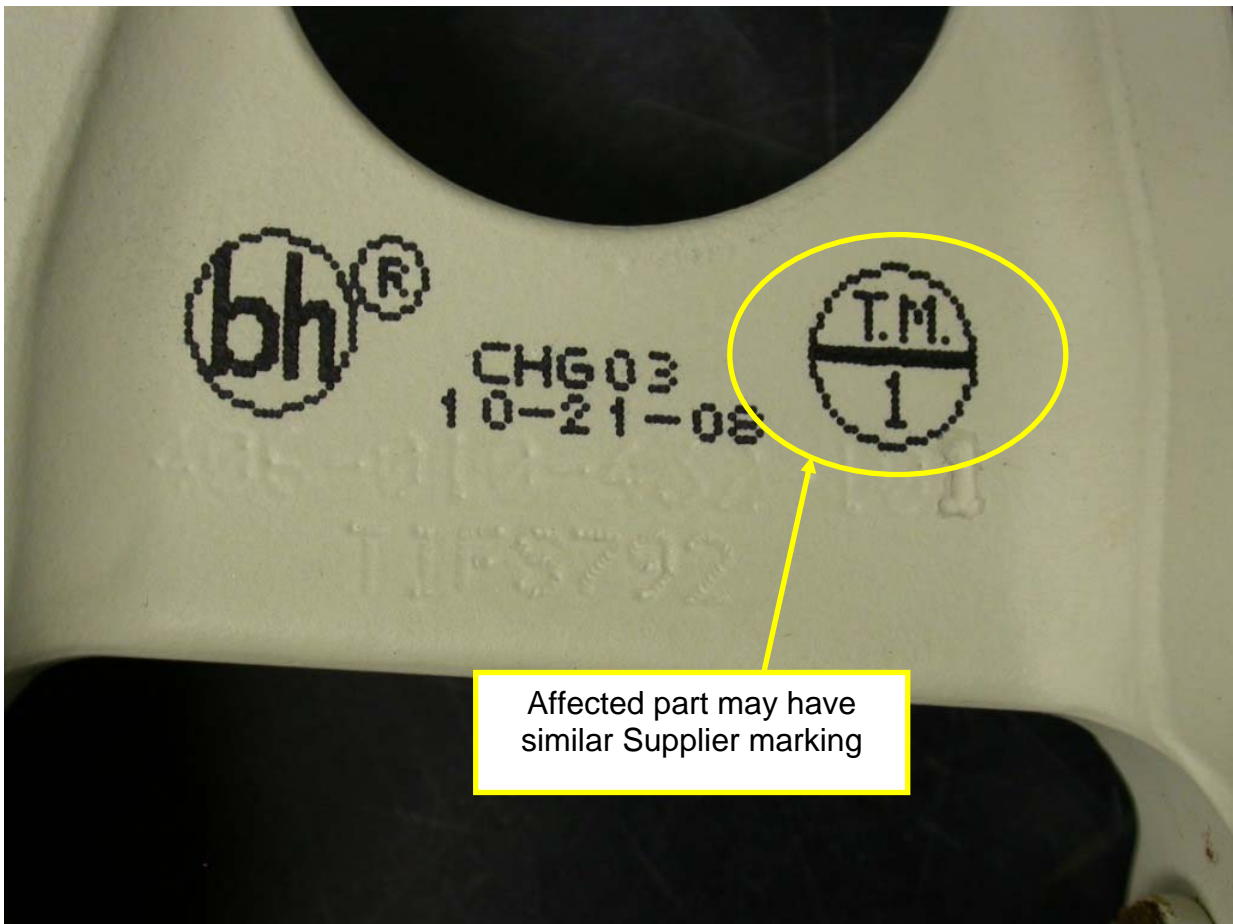


Figure 1. Affected part Supplier marking.