

ALERT SERVICE BULLETIN



A Textron Company

NO. 206L-09-156

DATE April 07, 2009

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DATE
REV

MODEL AFFECTED: 206L SERIES

SUBJECT: STAKED BEARINGS, ONE-TIME INSPECTION OF.

HELICOPTERS AFFECTED: 206L Helicopters serial number 45004 through 45153 and 46601 through 46617.

206L-1 Helicopters serial number 45154 through 45790.

206L-3 Helicopters serial number 51001 through 51612.

206L-4 Helicopters serial number 52001 through 52389, 52391 and 52393 and spare parts.

[Model 206L4 helicopters serial numbers 52390, 52392, 52394 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. 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-206L-SERIES Illustrated Parts Breakdown
BHT-206L-MM-1 Maintenance Manual
BHT-206L1-MM-1 Maintenance Manual
BHT-206L3-MM-1 Maintenance Manual
BHT-206L4-MM-1 Maintenance Manual
BHT-ALL-SPM Standard Practices Manual

PUBLICATIONS AFFECTED:

None affected

ACCOMPLISHMENT INSTRUCTIONS:

Part I: 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
206-001-549-101	Idler Assembly
206-001-552-001	Bellcrank Assembly
206-010-336-109	Link Assembly

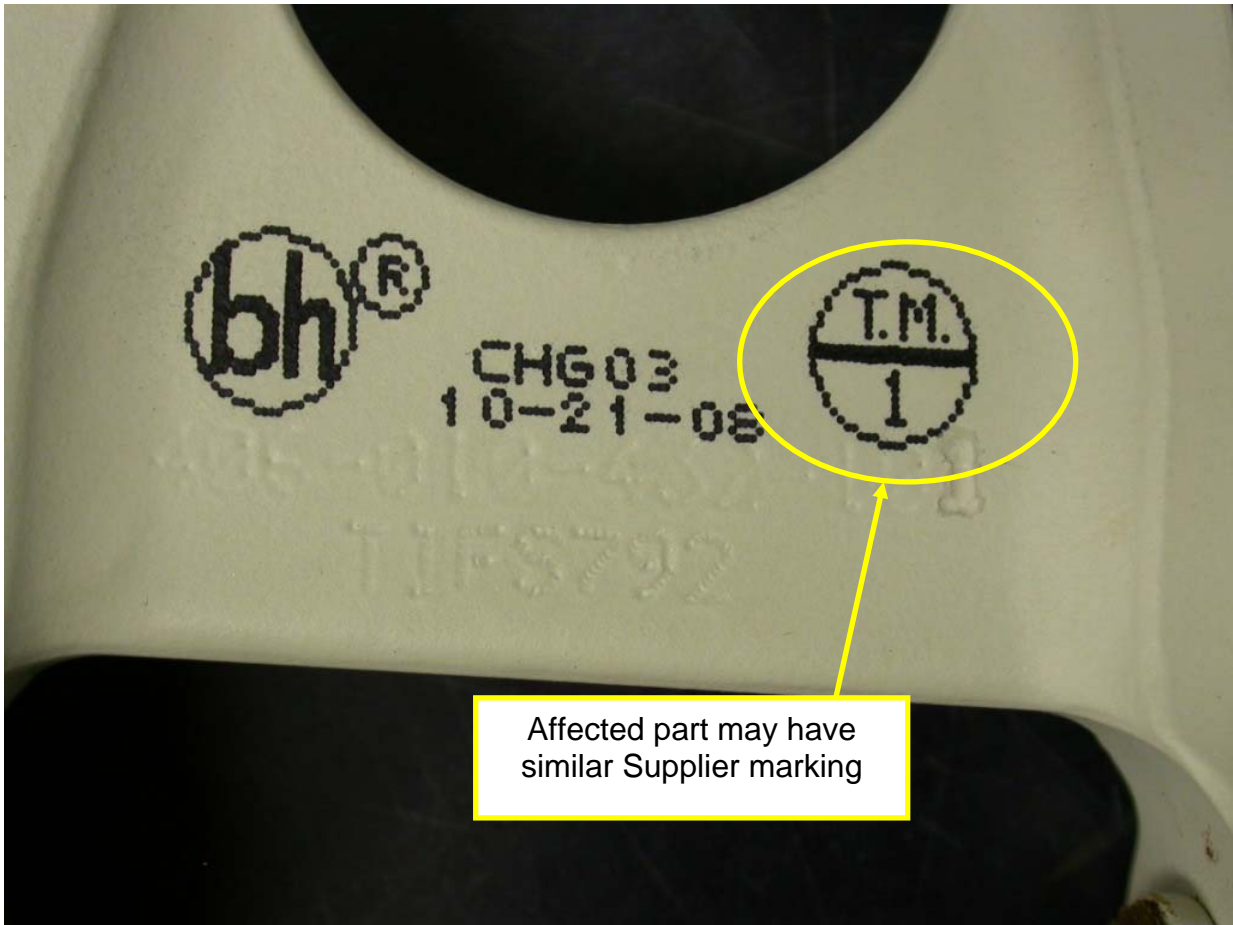


Figure 1. Affected part Supplier marking.