ALERT SERVICE BULLETIN

Bell Helicopter
A Textron Company

DATE	
REV	

NO.	427-09-23
DATE	MAR 10, 2009
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MODEL AFFECTED: **427**

SUBJECT: **LEVER ASSEMBLY P/N 407-001-320-105 AND 407-001-320-109, ONE TIME INSPECTION OF**

HELICOPTERS AFFECTED: **Model 427 helicopters serial number 56001 through 56073, 58001 and 58002**

Model 427 helicopters serial numbers 56074 and subsequent will have the intent of this bulletin accomplished prior to delivery.

COMPLIANCE: Before next flight, inspect all spare and installed lever assemblies which have accumulated less than 50 hours in service.

DESCRIPTION:

Bell Helicopter discovered a bearing P/N 206-301-051-101 incorrectly installed in the co-pilot cyclic control lever assembly. Investigation revealed that, although the inspection witness marks were applied on the part, the bearing had not been staked during manufacture.

This bulletin requires a one time inspection of all lever assembly P/N 407-001-320-105 and 407-001-320-109 in spare or installed on the aircraft.

APPROVAL:

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

MANPOWER:

Approximately 2.0 man-hours are required to complete this bulletin. Man-hours are 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 of this Bulletin will be eligible to receive a credit of $150.00 USD covering the labor to access, remove the idler assembly for inspection, and reinstall.

To receive this credit:

- Comply with the instructions contained in this Bulletin no later than the applicable instructions in the “compliance section” of this ASB.

- Submit an MMIR to the Bell Warranty Department for $150.00 USD referencing this ASB.

Customers who fail to comply with the instructions in this Bulletin are not eligible for the special warranty credit listed above.

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.

None required

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.

None required

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-427-IPB
BHT-427-MM
BHT-ALL-SPM

PUBLICATIONS AFFECTED:

None affected

ACCOMPLISHMENT INSTRUCTIONS:

1. Gain access to cyclic control system located under the copilot seat.

2. If installed, remove co-pilot cyclic control stick. Refer to BHT 427-MM, Chapter 67.

3. Disconnect and remove lever assembly P/N 407-001-320-105 if aircraft is not equipped with dual controls or lever assembly P/N 407-001-320-109 if aircraft is equipped with dual controls. Refer to BHT 427-MM, Chapter 67.

4. Inspect lever assembly P/N 407-001-320-105 and/or -109 to ensure that bearing P/N 206-301-051-101 is correctly installed and staked in the lever. Refer to BHT-ALL-SPM for correct bearing installation/inspection procedure. If in doubt, the bearing outer race should be proof loaded to 650 Lbs axially. Refer to BHT-ALL-SPM, Chapter 9 and Table 9-5. Replace the bearing if required.

5. Should you find a lever assembly with a loose bearing, please advise Product Support Engineering.

6. Reinstall lever assembly P/N 407-001-320-105 if aircraft is not equipped with dual controls or lever assembly P/N 407-001-320-109 if aircraft is equipped with dual controls. Refer to BHT 427-MM, Chapter 67.

7. If required, reinstall co-pilot cyclic control stick. Refer to BHT 427-MM, Chapter 67.

8. Install previously removed seat and equipment.

9. Annotate aircraft records to reflect compliance with this bulletin.