

7851 60046REV 1196

AN APPROPRIATE ENTRY SHOULD BE MADE IN THE AIRCRAFT LOG BOOK UPON ACCOMPLISHMENT  
IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD TO NEW OWNER

**ALERT SERVICE BULLETIN**

**Bell Helicopter** **TEXTRON**  
A Subsidiary of Textron Inc.

**NO.** 407-01-39

**DATE** 04-05-01

**PAGE** 1 of 4

**DATE** 05-30-01

**REV** "A"

**MODEL AFFECTED:** 407

**SUBJECT:** BRACKET 407-040-321-101/-103, INSPECTION OF.

**HELICOPTERS AFFECTED:** 407 helicopters, S/N 53000 thru 53442 with flywheel 407-040-316-101 installed.

[Helicopters 53443 and subsequent are not affected by this bulletin.]

**COMPLIANCE:** Within 25 hours after receiving this bulletin and each 25 hours of operation thereafter.

**DESCRIPTION:**

Bell Helicopter has received reports of cracks in the forward bearing hanger support 407-040-321-101. None of the incidents has resulted in the loss of tail rotor drive or tail rotor control.

Pending remedial action for affected ship, this Alert Service Bulletin is released to introduce a recurring 25 hour inspection to check the forward hanger support for cracks.

**APPROVAL:**

The engineering design aspects of this bulletin are Transport Canada approved.

**MANPOWER:**

Approximately 0.25 man-hour is necessary to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

7851 55192 REV 1108

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**MATERIAL:**

**Required Material:**

No material required.

**Consumable Material:**

No material required.

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

BHT-407-MM-5, Rev. 6, 14 April 1998.

Chapter 53, Fuselage.

BHT-407-MM-7, Rev. 6, 14 April 1998.

Chapter 65, Tail Rotor Drive.

**PUBLICATIONS AFFECTED:**

BHT-407-MM-1, Rev. 8, 1 September 1998.

Chapter 5, General Information.

BHT-407-MM-7, Rev. 6, 14 April 1998.

Chapter 65, Tail Rotor Drive.

**ACCOMPLISHMENT INSTRUCTIONS:**

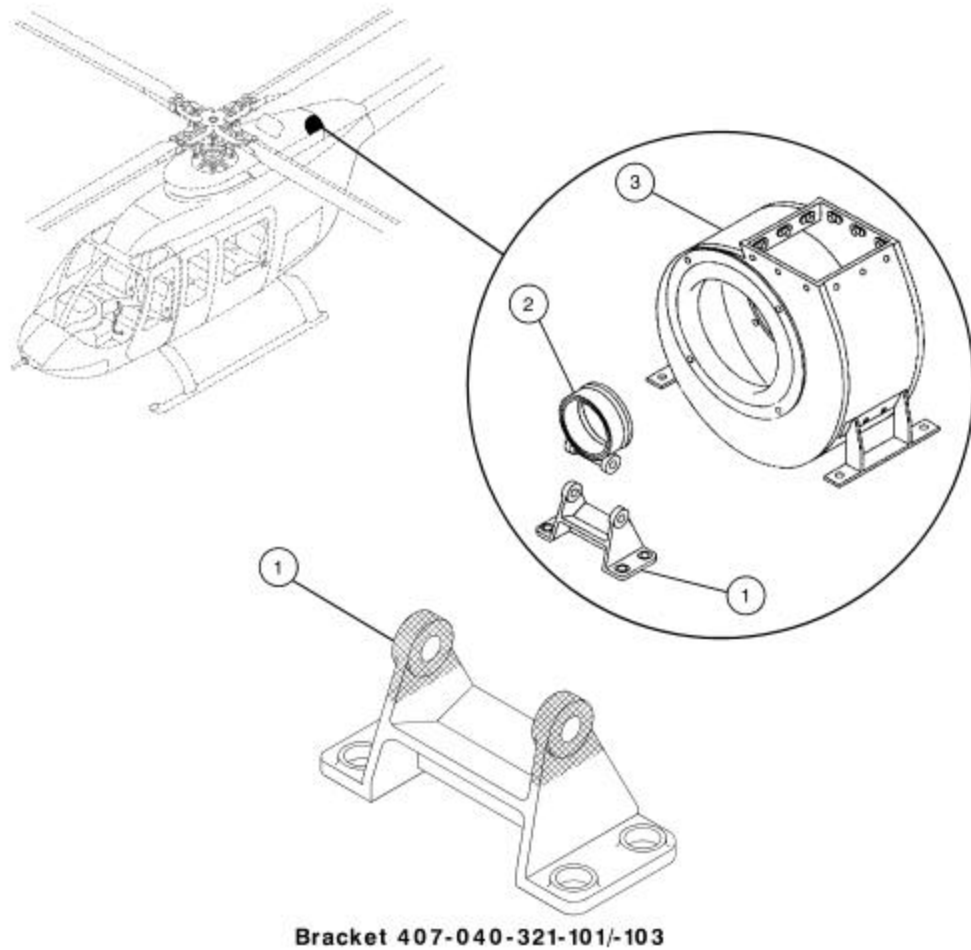
1. Do this inspection within 25 hours after receiving this bulletin and each 25 hours of operation thereafter.
2. Remove the cowling to get access to the bracket (1, Figure 1).

- NOTE -

You do not need to remove the bracket to do the inspection. A visual inspection of the bracket exposed area to be inspected is acceptable. If for any reason the bearing hanger is removed, a complete visual inspection of the area to be inspected is required.

3. Use a mirror and visually inspect the bracket (1) for cracks in the areas shown in Figure 1.
4. If no crack is detected, return the aircraft to service.
5. If a crack is detected, replace the affected support. Notify Bell Helicopter Product Support Engineering that you have detected a cracked support.

Fax : (450) 433-0272 or Email: [pselight@bellhelicopter.textron.com](mailto:pselight@bellhelicopter.textron.com)



**Bracket 407-040-321-101/-103**

**LEGEND**

- 1. Bracket (407-040-321-101/-103)
- 2. Bearing hanger (REF)
- 3. Blower housing (REF)

**NOTE**

- 1. Do a visual inspection of the exposed surface of the shaded area. Dismantling of bearing hanger and the support is not required.

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**Figure 1. Inspection of the Bracket**