

TECHNICAL BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 407-03-46

Date Oct. 29, 2003

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DATE
REV

MODEL AFFECTED: 407

SUBJECT: TUNING WEIGHTS 407-023-003-(ALL), REMOVAL OF

HELICOPTERS AFFECTED: Model 407 helicopters serial number 53000 through 53554.

[Model 407 helicopters serial number 53555 and subsequent will have the intent of this bulletin accomplished prior to delivery]

COMPLIANCE: At Customer's Option, or when installing a replacement finlet.

DESCRIPTION:

Bell Helicopter has determined that the tuning weights 407-023-003-(ALL) installed on the horizontal stabilizer finlet are no longer required.

This bulletin gives instructions to remove tuning weights. The new finlet assembly 407-023-003-105 and /-106 have no provisions for tuning weights, and are direct spares replacement for the current finlet assembly 407-023-003-101, / -102. Both R/H and L/H finlet must have the same configuration. New and old finlet assemblies can be mixed, but weight on the old finlet assembly must be removed.

APPROVAL:

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

MANPOWER:

Approximately 1.0 man-hour is required to complete this bulletin. It does not include the time required to touch up the paint on the part. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

MATERIALS:

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>
AN525-10R5	Screw	8 (Note 1)
NAS1149D0332J	Washer	8 (Note 1)

Note 1: Adjust qty to 4, if only one finlet assembly 407-023-003-101, / -102 is affected.

Consumable Material:

The following material is required to accomplish this bulletin, however this material is considered consumable (bench stock) material and may not require ordering depending on the operators 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-81733 2.5 OZ	Sealant	1	C-392

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-407-IPC Illustrated Parts Breakdown
Chapter 53-99-00, Fuselage

BHT-407-MM-5 Maintenance Manual, Rev. 16, 07 June 2002
Chapter 53, Airframe

PUBLICATIONS AFFECTED:

BHT-407-IPC Illustrated Parts Breakdown
Chapter 53-99-00, Fuselage

BHT-407-MM-5 Maintenance Manual, Rev. 16, 07 June 2002
Chapter 53, Airframe

ACCOMPLISHMENT INSTRUCTIONS:

-NOTE-

Both R/H and L/H finlet must have the same configuration. New and old finlet assemblies can be mixed, but weight on the old finlet assembly must be removed.

1. Refer to BHT-407-MM-5, chapter 53, paragraph 53-31 to remove weights. Discard screws, washers and weights.

-NOTE-

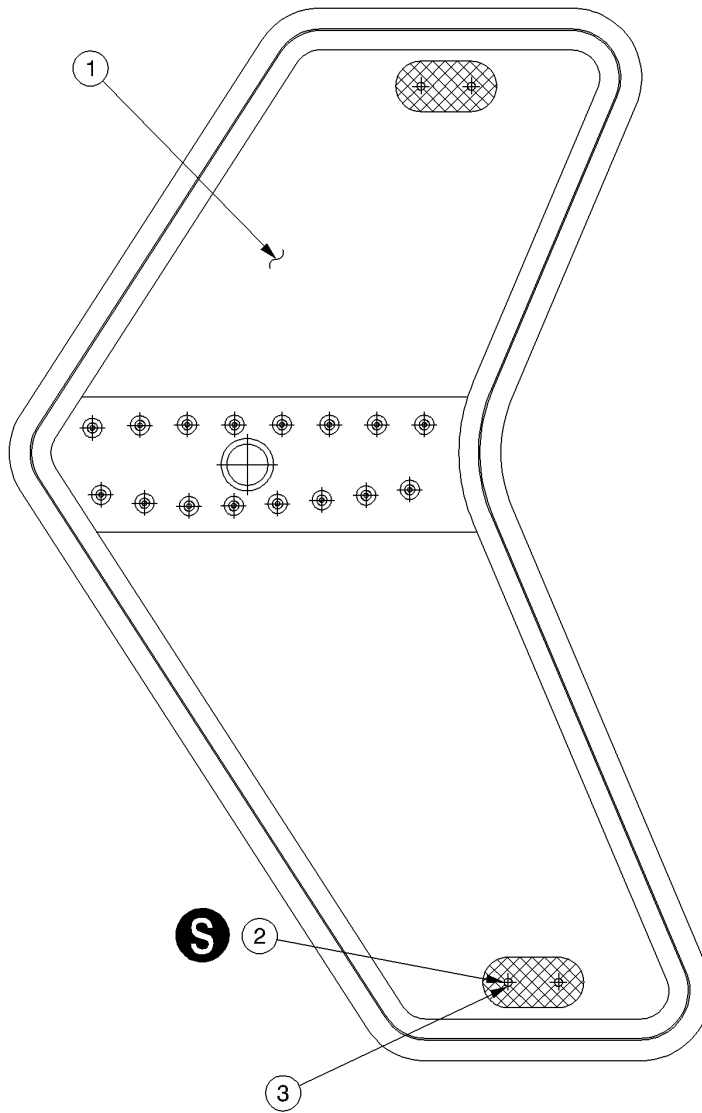
Make sure the blanking screws do not bottom in the inserts of the finlet(s).

2. Install qty (2) blanking screws AN525-10R5 and qty (2) washers NAS1149D0332J wet with sealant (C-392) on the top and bottom of the finlet(s) as shown in figure 1.

-NOTE-


Maximum weight of painted finlet only, not to exceed 4.9 pounds, not including phenolic block (0.1 pounds) and position light assembly (0.3 pounds).


3. Touch up paint to match your helicopter as shown in figure 1.



LEGEND:

- 1. Finlet 407-023-003-101/102 opposite
- 2. Screw AN525-10R5 (qty 8)
- 3. Washer NAS1149D0332J (qty 8)

 TOUCH UP PAINT SURFACES AS REQUIRED.

 SEALANT (C-392) MIL-PRF-81733

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Figure 1. Tuning Weights Removal