

MODELS AFFECTED: 407

SUBJECT: SWASHPLATE DUPLEX BEARING P/N 406-310-402-103, INTRODUCTION OF.

HELICOPTERS AFFECTED: 407, Serial Numbers 53000 through 53059, 53062, 53063, and 53071.

[Serial Numbers 53060, 53061, 53064, 53065 through 53070, 53072, and subsequent will have the intent of this bulletin completed before delivery.]

COMPLIANCE: At the next swashplate overhaul inspection, but no later than 28 February 1998.

DESCRIPTION: This Bulletin introduces a new, better made duplex bearing P/N 406-310-402-103.

The inspection limitations of Table 4-2, BHT-407-MM-1, Chapter 4, do not apply to the new bearing.

APPROVAL: The engineering design aspects of this Service Bulletin are Transport Canada approved.

MANPOWER: Approximately 3.0 man-hours are necessary to complete this Bulletin. The man-hours are based on hands-on time and can change due to the personnel and facilities available.

WARRANTY:

Owners/operators of 407 helicopters which have the duplex bearing P/N 406-310-402-101, installed on their ship(s) are eligible for a special 100% warranty credit when they purchase the replacement duplex bearing P/N 406-310-402-103.

To receive this credit:

- 1.The owner/operator must get the replacement bearing from an approved BHTI spares supply source.
- 2.The work must be done in compliance with the instructions outlined in this bulletin no later than 28 February, 1998.
- 3.The owner/operator must send a completed Malfunction Report (MR) to BHT Warranty Administration. A copy of the BHTI invoice referencing the bearing used to accomplish this bulletin must be attached to the Malfunction Report (MR).

- NOTE -

Customers who comply with the instructions in this bulletin after 28 February, 1998 are not eligible for the special warranty credit provisions listed above.

MATERIAL:

Required Material:

The material that follows is necessary to complete this Bulletin and can be procured through your Bell Helicopter Textron Supply Center. Assets for this bulletin will be in limited supply until December 1997. Orders will be filled on a first-come, first-serve basis.

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>QUANTITY</u>
406-310-402-103	DUPLEX BEARING	1

Consumable Material:

The material that follows is necessary to complete this Bulletin, however, this material is consumable (bench stock) material and does not require ordering depending on the operators consumable material stock levels. This material can be obtained through your Bell Helicopter Textron Supply Center.

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>REFERENCE NO.</u>
MIL-G-81322 8OZ	GREASE, MIL-G-81322	C-001
MIL-C-16173,GR1 2OZ	CPC, MIL-C-16173, Grade 1	C-101
MIL-C-16173,GR2 6OZ	CPC, MIL-C-16173, Grade 2	C-104
299-947-107 TY2CL5PT	ADHESIVE, 299-947-107	C-325

- NOTE -

The "C" REFERENCE NO. above is a cross reference to the consumable list found in the Standard Practices Manual.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-407-MM-5, rev.4- 16 December 1996:

Chapter 53, Cowls and fairings.

BHT-407-MM-8, rev.4- 16 December 1996:

Chapter 67, Flight controls.

BHT-407-IPB, rev.3- 16 December 1996:

Chapter 67, Flight controls.

BHT-407-CR&O-8, original- 6 June 1997:

Chapter 67, Flight controls.

PUBLICATIONS AFFECTED:

BHT-407-MM-1, rev.4- 16 December 1996:

Chapter 5, Inspections.

ACCOMPLISHMENT INSTRUCTIONS:

1. Get access to the swashplate and support assembly P/N 406-010-401-115. Refer to BHT-407-MM-5, Chapter 53, for the removal of the necessary cowling and fairing assemblies.
2. Remove the swashplate and support assembly (refer to BHT-407-MM-8, Chapter 67).
3. Replace the swashplate duplex bearing P/N 406-310-402-101 (refer to BHT-407-CR&O-8, Chapter 67).
4. Install the swashplate and support assembly (refer to BHT-407-MM-8, Chapter 67).
5. Install the cowling and fairing assemblies removed in Step 1 (refer to BHT-407-MM-5, Chapter 53).
6. Make an entry in the helicopter historical records to show that this Alert Service Bulletin is completed.
7. Make an entry in the Record of Alert Service Bulletins in the Maintenance Manual.