**SECTION: A 0051 – AIRFRAME INSPECTION PROGRAM**
**TYPE: 300 HOUR / 12 MONTH INSPECTION**
**NOTE:**

Registration No.: N _____ Start Date: _____ Aircraft Start Total Time: _____
Aircraft S/N: _____ Aircraft Start Total Cycles: _____

**Reference:** BHT 407 MM-1 Chapter 5

| | MAINTENANCE ACTION | REFERENCE | MECHANIC'S INITIALS |
|---|---|---|---|
| **A 0051.1** | **GENERAL** | | |
| 1.1 | Logbook review for recorded discrepancies. Correct discrepancies on installed equipment. | | |
| 1.2 | Ensure all applicable and required Special Inspections, Alert Service Bulletins (ASB's), Engine Service Bulletins, and Airworthiness Directives (AD's) are accomplished. | | |
| 1.3 | Replace all life limited components that have completed published operating limits. | Bell 407 MP | |
| 1.4 | Overhaul all components that have completed published operating limits. | Bell 407 MP | |
| **A 0051.2** | **PLACARDS AND MARKINGS** | | |
| 2.1 | Examine the placards, decals, and markings. Make sure you can read them, they are applied correctly, and they are in agreement with the applicable configuration of your helicopter. | Chapter 11 | |
| **A 0051.3** | **TAIL ROTOR ASSEMBLY** | | |
| 3.1 | Do a torque check of the tail rotor assembly mast nut (560 to 580 inch-pounds) | Chapter 64 | |
| 3.2 | Examine the tail rotor assembly for general condition and security. Examine the components as follows: | | |
| 3.2.1 | Retainer nut and the lockwire for damage. | | |
| 3.2.2 | Support for damage. | | |
| 3.2.3 | Exposed portion of the yoke for damage. | | |
| 3.2.4 | Counterweights for damage. | | |
| 3.2.5 | Weights and their supports for damage. | | |
| 3.2.6 | Both blades of the tail rotor for damage | | |
| 3.2.7 | Inspect tail rotor blade(s) for evidence of separation between skin plies and root end at trailing edge using a 10X magnifying glass. If cracks are found or suspected at any location on the tail rotor blade, or if excessive tail rotor vibrations are reported with no apparent causes, remove the tail rotor blade and do a leak check | ASB 407-10-92 | |

Revision: TEMP REV #2
Issue Date: 06/07/21

# TEMPORARY REVISION #2

## INSTRUCTIONS

1. This is a Temporary Revision #2 to AAIP inspection A0051.
2. Place this instruction page before Page 2 of A0051.
3. Replace Page 2 of A0051 Temp Rev #2.
4. Replace Page v, Index of Temporary Revisions with Temp Rev-2 Index.

**CAUTION: DO NOT REMOVE THIS TEMPORARY UPDATE UNTIL INSTRUCTED TO DO SO AS PART OF:**

- **A NORMAL UPDATE**
- **A NEW TEMPORARY REVISION UPDATE SUPERSEDING THIS ONE**

## DESCRIPTION

1. This revision removes the dynamic balancing requirement of hub and tail rotor from A0051 due to equipment limitations if performed in a remote, field environment. This requirement will now be tracked as a Stand-Alone line item on MHI 407 Series Computer CALM program.

## INCORPORATION

Temporary Revision #2 to the Appendix will be incorporated in the 407 AAIP as part of the next normal revision.

**SECTION:** A 0051 – AIRFRAME INSPECTION PROGRAM
**TYPE:** 300 HOUR / 12 MONTH INSPECTION
**NOTE:**

| | MAINTENANCE ACTION | REFERENCE | MECHANIC'S INITIALS |
|---|---|---|---|
| 3.3 | Examine the stop yield indicator for damage. If the stop yield indicator clearance is decreased, discard the stop yield indicator and proceed as follows: | | |
| 3.3.1 | Discard tail rotor yoke. | | |
| 3.3.2 | Inspect tail rotor blades for delaminating. | | |
| 3.3.3 | Inspect pitch links for condition. | | |
| 3.3.4 | Inspect pitch horns for condition. | | |
| 3.3.5 | Inspect tailboom for condition in tail rotor blade tip path area. | Chapter 53 | |
| **A 0051.4** | **DIRECTIONAL CONTROLS** | | |
| 4.1 | Do a torque check of the bolts (60 – 80 inch-pounds) that attach the tail rotor pitch link assemblies to the tail rotor pitch horns. | Chapter 67<br>TB 407-09-88 | |
| **A 0051.5** | **ROTOR BRAKE DISC** | | |
| 5.1 | Examine the rotor brake disc for condition and security. | Chapter 63 | |
| **A 0051.6** | **ENGINE TO TRANSMISSION DRIVSHAFT** | | |
| 6.1 | Examine the engine to transmission driveshaft for condition and security. | Chapter 63 | |
| 6.2 | Examine the components as follows: | | |
| 6.3 | Driveshaft for corrosion, surface damage and cracked spring. | | |
| 6.4 | Flexframe and bolts for condition and signs of slippage. | | |
| **A 0051.7** | **DUAL CONTROLS** | | |
| 7.1 | Examine the dual controls for condition and security. | Chapter 67 | |
| **A 0051.8** | **POST INSPECTION** | | |
| 8.1 | Replace or close all applicable trim panels, covers, access and inspection doors/covers as necessary. | | |
| 8.2 | Complete a ground run at 100% NR to check for leaks and confirm system operation. | BHT-407-FM-1/2 | |
| 8.3 | Perform Functional Check Flight if required per Bell 407 Maintenance Manual or RFM as appropriate. | | |
| 8.4 | Make an entry in the appropriate logbook (refer to the following page for wording of approval for return to service). | | |

**SECTION: A 0051 – AIRFRAME INSPECTION PROGRAM**
**TYPE: 300 HOUR / 12 MONTH INSPECTION**
**NOTE:**

Upon satisfactory completion of each inspection item, the mechanic shall initial the pertinent space as provided. All mechanics shall sign and initial, in the space provided, at the end of the form.

At the completion of each inspection form, an A&P mechanic shall check the entire form for completion and then enter his/her signature, certificate type and number, and date in the space provided at the end of the form. The same individual is also responsible for making the logbook entry shown at the conclusion of this inspection.

I certify that I have inspected and/or completed all the items initialed by me in accordance with Maritime Helicopters' Bell 407 Approved Aircraft Inspection Program and found them to be in an airworthy condition except as may be noted in the Aircraft Logbook.

| INITIALS | SIGNATURE | CERTIFICATE TYPE & NUMBER |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

I have reviewed this inspection form to verify that all items have been completed and have made an entry in the Aircraft Log Book.

I certify that this aircraft has been inspected in accordance with Maritime Helicopters' Bell 407 AAIP – A 0051 – 300 Hour / 12 Month Inspection and was determined to be in an airworthy condition.

Registration No.: N _____ End Aircraft Ending Total Time: _____
Aircraft S/N: _____ Date: _____ Aircraft Ending Total Cycles: _____

Signature: _____ Certificate Type & No: _____