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Revision: Orig
Issue Date: 05/01/14

SECTION: A 0053 – AIRFRAME INSPECTION PROGRAM
TYPE: 300 HOUR / 12 MONTH INSPECTION
NOTE:

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

Reference: BHT 206L Series MM-1 Chapter 5, 12

MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
A 0053.1 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 206L MP	
1.4	Overhaul all components that have completed published operating limits.	Bell 206L MP	
A 0053.2 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 0053.3 CORROSION CONTROL			
3.1	Perform corrosion inspection in accordance with the Corrosion Guide on any area's access during this AAIP inspection.	CSSD-PSE-87-001	
A 0053.4 OIL SYSTEM/AFT TOP DECK			
4.1	Remove and examine aft fairing and attachment fasteners for condition and security.	Chapter 71	
4.2	Examine fairing retainer for condition.		
4.3	Examine exterior of aft deck structure for condition.		
4.4	Examine oil cooler area for evidence of oil leaks. Examine oil cooler pan for cleanliness and make sure the drain is not blocked.	Chapter 79	
4.5	Examine all flexible and rigid fluid lines for condition and security.		
4.6	Pay particular attention for chafing damage and kinked lines.		
4.7	Examine oil cooler core for obstructions and cleanliness.		
4.8	Examine oil cooler blower and housing for cleanliness, condition and security.	Chapter 65	
4.9	Examine oil tank for leakage, condition and security. Check oil for contamination.	Chapter 79	

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MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
4.10	Examine oil tank supports for condition and security.		
4.11	Examine the oil cooler seals bonded inside the aft fairing for condition.	Chapter 71	
4.12	Examine external scavenge oil filter system (STC) (if installed) for condition and security.		
A 0053.5 DRIVETRAIN			
5.1	Examine the following:	Chapter 63	
5.1.1	Freewheel assembly for condition leaks and security.		
5.1.2	Freewheel unit chip detector for accumulated material.		
5.1.3	Forward short shaft (steel) disc pack couplings for condition and security.		
5.1.4	Forward short shaft (steel) splined adapters for wear.		
5.1.5	Blower impeller for condition.	Chapter 65	
5.1.6	Oil cooler blower impeller shaft for condition.		
5.1.7	Oil cooler blower hanger bearings and brackets for grease leakage and evidence of overheating.		
5.1.8	Aft short shaft (aluminum) for condition and security.		
5.1.9	Aft short shaft (aluminum) splined adapter for wear.		
5.2	Clean oil cooler blower impeller.	Chapter 12 Para 12-52	
5.3	Using dye penetrant methods, inspect oil cooler blower impeller 206-061-432-031 for cracks. Give particular attention to the mounting flange where individual blades attach.	BHT-ALL-SPM, Chapter 6	
5.4	Perform operational check of freewheel unit chip detector. (Refer to transmission chip detector caution system.)	Chapter 96	
5.5	Lubricate the following. Comply with all applicable notes in Table 12-5;	Chapter 12	
5.5.1	Forward short shaft (steel) splined adapters.		
5.5.2	Tail Rotor driveshaft splined adapters. (4 places)		
5.5.3	Tail Rotor hangar bearings. (8 places)		
5.5.4	Tail Rotor pitch change mechanism. (2 places)		

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MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
5.6	Do a Torque check of the disc pack coupling attachment hardware to include forward short shaft.	Chapter 65	
A 0053.6 ELECTRICAL			
6.1	Examine all electrical components, wires, cables, and connectors in the area of the aft deck for chafing, and general condition and security.	Chapter 96	
A 0053.7 MAIN ROTOR SYSTEM			
7.1	Pillow blocks – Torque check pillow block retention hardware 84 to 107 inch-pounds. Examine for misalignment of anti-slippage marks.	ASB 206L-97-108	
A 0053.8 POST INSPECTION			
8.1	Ensure applicable servicing requirements have been carried out.	Chapter 12	
8.2	Check oil level of transmission, hydraulic tank, engine and tail rotor gearbox prior to running helicopter.		
8.3	Complete a ground run at 100% NR to check for leaks and confirm system operation and parameters are within Flight Manual limitations. – Qualified pilot only.	BHT-206L-FM-1	
8.4	Replace or close all applicable trim panels, covers, access and inspection doors/covers as necessary.		
8.5	Perform Functional Check Flight if required per Bell 206L Maintenance Manual or RFM as appropriate.		
8.6	Make an entry in the appropriate logbook (refer to the following page for wording of approval for return to service).		

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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 206L Series Approved Aircraft Inspection Program and found them to be in an airworthy condition except as may be noted in the Aircraft Logbook.

<u>INITIALS</u>	<u>SIGNATURE</u>	<u>CERTIFICATE TYPE & NUMBER</u>

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 206L Series AAIP – A 0053 – 300 Hour / 12 Month 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: _____