SECTION: A 0055 – 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 206L Series MM-1 Chapters 5, 12

MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
A 0055.1	**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 0055.2	**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 0055.3	**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 0055.4	**INSTRUMENTS**		
4.1	Examine instruments and instrument panel for condition, security and for correct markings.	BHT-206L-FM-1	
A 0055.5	**AIRFRAME**		
5.1	Remove cabin overhead upholstery, hat bin, sound proofing blanket, aft vertical tunnel covers, and roll-over bulkhead access panels.	Chapter 25	
5.2	Remove roof beam access panels.	Chapter 53	
5.3	Examine flight control tubes inside roof beam for condition and security.	Chapter 67	
5.4	Examine roof beam and roof shell structure for condition.	Chapter 53	
5.5	Examine aft passenger seat bulkhead for distortion and/or cracks and indication of screw contact in the area of hat bin attachment nutplates.		
5.6	Examine electrical components behind hat bin for condition, security, and cleanliness.	Chapter 96	

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MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
5.7 Examine engine and transmission support structure for cracks, corrosion, or loose fasteners.	Chapter 53	
CAUTION EXERCISE CARE AND USE ADEQUATE SCREW LENGTH WHEN REINSTALLING VERTICAL TUNNEL COVER TO AVOID CONTACT WITH TAIL ROTOR CONTROL TUBE		
5.8 In the vertical tunnel area, examine the following:		
5.8.1 Flight control system tubes for evidence of chafing with oil line or flex cable.	Chapter 67	
5.8.2 Flight control system bellcranks, levers, supports, and walking beams for binding, excessive looseness, and security of attachment.		
5.8.3 Oil lines for leakage, condition, and security.	Chapter 95	
5.8.4 Roof beam interface with vertical tunnel for cracks, corrosion, and loose fasteners.	Chapter 53	
5.8.5 Vertical tunnel stiffening angles at roof beam interface for cracks, condition, and loose fasteners.		
5.9 Remove crew seat cushions and panels and examine the following:	Chapter 25 Chapter 53	
5.9.1 Control tubes, N1 throttle cable, bellcranks, levers, yokes, and supports for bending, excessive looseness, and security of attachment.	Chapter 67 Chapter 76	
5.9.2 Heater ducts (if installed) for chafing with controls.	Applicable Service Instructions	
5.9.3 Oil lines for leakage and general condition.	Chapter 95	
5.9.4 Wiring and electrical components for condition and security.	Chapter 96	
5.9.5 Structure for corrosion, cracks, and condition.	Chapter 53	
A 0055.6 EQUIPMENT AND FURNISHINGS		
6.1 Examine the following:	Chapter 53	
6.1.1 Cabin floor for condition.	Chapter 53	
6.1.2 Seat cushions, seat backs, and interior trim for condition and security.	Chapter 25	
6.1.3 Restraints for condition, security, webbing and correct operation.	IL GEN-05-103	
6.1.3.1 Verify operation of passenger and crew inertia reels and belt buckles. Pull promptly on each reel to confirm the proper activation of the reel locking mechanism.		

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MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
6.1.4 Interior trim for condition and security.		
6.1.5 Ventilation system for condition and security.	Chapter 21	
6.1.6 First aid kit, replace missing or out of date items.		
6.2 Verify proper operation of the fuel valve switch guard.	Chapter 95	
6.3 Inspect the fire extinguisher and quick-release for condition and security.	Chapter 26	
6.4 Verify sliding windows for safety and smoothness of sliding.	Chapter 52	
6.5 Verify proper operation of ventilation inlet control cables	Chapter 21	
A 0055.7 CONTROLS		
7.1 Examine the following;	Chapter 67	
7.1.1 Collective control stick for condition, security and minimum friction		
7.1.2 Copilot collective control stick if installed.		
7.1.3 Cyclic control stick for condition, security and minimum friction.		
7.1.4 Copilot cyclic control stick if installed.		
7.1.5 Anti-torque control pedals for condition and security and minimum friction.		
7.1.6 Copilot anti-torque control pedals if installed.		
A 0055.8 ELECTRICAL		
8.1 Verify operation of cockpit map reading light..	Chapter 96	
8.2 Verify operation of aft cabin reading lights (if installed).		
CAUTION USE EXTREME CARE WHEN IN PROXIMITY OF PITOT TUBE WITH HEAT APPLIED, TOUCHING TUBE MAY RESULT IN SERIOUS BURNS.		
8.3 Verify operation of the pitot tube heating system.		
8.4 Verify operation of defog blowers.		

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8.5	Verify operation of ENGINE OUT and LOW ROTOR RPM audio and mute switch (if installed).		
8.6	Verify illumination of all caution panel annunciator light segments by depressing test switch, or each individual light segment, as applicable.		
8.7	Verify instrument lighting and dimming capabilities.		
A 0055.9	**LUBRICATION**		
	*****REVIEW ALL NOTES REGARDING LUBRICATIONS IN TABLE 12-5*****		
9.1	Tail Rotor pitch change mechanism (2 places)	Table 12-5	
A 0055.10	**MAIN ROTOR SYSTEM**		
10.1	Pillow blocks – Torque check pillow block retention hardware 84 to107 inch-pounds. Examine for misalignment of anti-slippage marks.	ASB 206L-97-108	
A 0055.11	**POST INSPECTION**		
13.1	Ensure applicable servicing requirements have been carried out.	Chapter 12	
13.2	Check oil level of transmission, hydraulic tank, engine and tail rotor gearbox prior to running helicopter.		
13.3	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	
13.4	Check the voltage regulator setting. Adjust as required.	Chapter 96	
13.5	Replace or close all applicable trim panels, covers, access and inspection doors/covers as necessary.		
13.6	Perform Functional Check Flight if required per Bell 206L Maintenance Manual or RFM as appropriate.		
13.7	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.

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 206L Series AAIP – A 0055 – 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: _____