SECTION: A 1700 – AIRFRAME INSPECTION PROGRAM
TYPE: 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

MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
A 1700.1	**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 205L MP	
1.4	Overhaul all components that have completed published operating limits.	Bell 206L MP	
A 1700.2	**INSPECTIONS**		
2.1	Ensure that Maritime Helicopters AAIP inspection A0051 thru A0353 have been completed in the last 12 calendar month period.		
2.2	Inspect all fuel system, oil system, and hydraulic system filler caps for proper functioning and sealing. Make sure the sealing o-rings within the filler caps are in good condition. Repair or replace the filler caps or replace the sealing o-rings as required.		
A 1700.3	**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 1700.4	**FUEL SYSTEM**		
4.1	Check operation of low fuel caution system.	Chapter 96	
4.2	Remove fuel boost pump assemblies and inspect fuel cell interiors for debris, water contamination, and fungus growth.	Chapter 28	
4.3	Remove, clean, and inspect fuel manifold assembly.		
4.4	Remove, clean, and inspect inline fuel filters and check valves.		

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A 1700.5 AIRFRAME		
5.1 Remove the following	Chapter 25	
5.1.1 Overhead upholstery		
5.1.2 Hat bin		
5.1.3 Soundproof blanket		
5.1.4 Aft vertical tunnel covers		
5.1.5 Roll-over bulkhead access panels		
5.1.6 Access and Roof Beam access panels	Chapter 53	
5.2 Inspect engine support structure for cracks and corrosion		
5.3 Inspect transmission support structure for cracks and corrosion		
5.4 Examine the following:		
5.4.1 Flight control tubes inside roof beam for condition and security	Chapter 67	
5.4.2 Roof beam and roof shell structure for condition.	Chapter 53	
5.4.3 Aft passenger seat bulkhead for distortion and/or cracks and indication of screw contact in the area of hat bin attachment nutplates.		
5.4.4 Examine electrical components behind hat bin for condition, security, and cleanliness.		
5.4.5 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		
5.5 In the vertical tunnel area, examine the following:		
5.5.1 Flight control system tubes for evidence of chafing with oil line or flex cable.	Chapter 67	
5.5.2 Flight control system bellcranks, levers, supports, and walking beams for binding, excessive looseness, and security of attachment		

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MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
5.5.3 Oil lines for leakage, condition, and security.	Chapter 95	
5.5.4 Roof beam interface with vertical tunnel for cracks, corrosion, and loose fasteners.	Chapter 53	
5.5.5 Vertical tunnel stiffening angles at roof beam interface for cracks, condition, and loose fasteners.		
5.6 Remove crew seat cushions and panels and examine the following:	Chapter 25 Chapter 53	
5.6.1 Control tubes, N1 throttle cable, bellcranks, levers, yokes, and supports for bending, excessive looseness, and security of attachment.	Chapter 67 Chapter 76	
5.6.2 Heater ducts (if installed) for chafing with controls.	Applicable Service Instructions	
5.6.3 Oil lines for leakage and general condition.	Chapter 95	
5.6.4 Wiring and electrical components for condition and security.	Chapter 96	
5.6.5 Structure for corrosion, cracks, and condition.	Chapter 53	
5.6.6 Interior trim for condition and security.		
5.6.7 Ventilation system for condition and security.	Chapter 21	
5.6.8 First aid kit, replace missing or out of date items.		
5.7 Verify proper operation of the fuel valve switch guard.	Chapter 95	
5.8 Inspect the fire extinguisher and quick-release for condition and security.	Chapter 26	
5.9 Verify sliding windows for safety and smoothness of sliding.	Chapter 52	
5.10 Verify proper operation of ventilation inlet control cables	Chapter 21	
A 1700.6 FUSELAGE (INTERIOR)		
6.1 Examine the following baggage compartment for condition.	Chapter 53	
6.1.1 Gain access to inside of aft fuselage through access panels in baggage compartment and access panel located on the aft right-hand fuselage and examine the following:		

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6.1.2 Access panels and fasteners for condition.		
6.1.3 Under engine pan for fuel, oil or water leaks.		
6.1.4 Drain lines for condition and security.		
6.1.5 Aft fuselage longerons for cracks, corrosion, and condition. Pay particular attention to the upper left longeron between aft fuselage frame at STA 204.49 and frame at STA 231.48.		
6.1.6 Interface between longerons and engine pan structure for cracks, corrosion, distortion and loose fasteners.		
6.1.7 Engine mount attachment structure for condition.		
CAUTION ANY CRACK, CORROSION OR LOOSE OR SHEARED RIVET IS CAUSE FOR IMMEDIATE GROUNDING OF THE HELICOPTER UNTIL THE PROBLEM IS CORRECTED.		
6.1.8 The four tailboom attachment fittings on fuselage aft bulkhead and tailboom forward bulkhead for cracks. Give special attention to the tailboom attachment fittings/intercostals and bolts and to fasteners between the intercostals. Particular attention must be given to inspection of the upper left fitting (refer to Chapter 4 of MM, Inspection Limitations Schedule).	Chapter 53 Chapter 4	
6.2 Remove fuel shutoff valve access panel, examine the following.		
6.2.1 Structure for cracks and corrosion.		
6.2.2 Fuel system components for leaks and general condition.	Chapter 28	
6.2.3 Wires and connectors for condition.	Chapter 96	
6.3 Do a torque check of the tailboom to the aft fuselage attachment nuts.	Chapter 53	
6.4 Do an operational check of the baggage door annunciator circuit.	Chapter 96	
6.5 Examine first aid kit, replace missing or out of date items.	Chapter 21	

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A 1700.7 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 Copilot anti-torque control pedals if installed.		
7.1.6 Anti-torque control system components for condition and security.	Chapter 67	
7.1.7 Anti-torque control pedals for condition and security and minimum friction.		
7.1.8 Stabilizer elevator control system components for condition and security.		
A 1700.8 LANDING GEAR		
8.1 . Examine the components as follows:	Chapter 32	
8.1.1 Crosstube retaining straps, cushions, and attaching hardware for condition and security.		
8.1.2 Fuselage attachment fittings for condition and security.		
8.1.3 Electrical bonding strips (if installed) for condition and security.		
8.1.4 Fairings (if installed) for condition and security.		
8.1.5 Crosstube riveted or clamped supports for condition and security. Give particular attention to the sealant joints around supports. Restore sealant (C-251) and paint finish as required.		
8.1.6 Crosstube for corrosion and damage. Give particular attention to the areas where equipment is mounted. Repair and/or restore surface protection as required.		
8.1.7 Cabin entry steps for condition and security (if installed).		
8.1.8 Sealant joint at junction with skid tube saddles. Restore sealant (C-251) and paint finish as required.		
8.1.9 Skid tubes and saddles for corrosion, damage, and security.		
8.1.10 Skid shoes for condition and security.		
8.1.11 Ground handling wheel attachment bolts for condition and security.		

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MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
A 1700.9	**ELECTRICAL AND AVIONICS**		
9.1	Examine all visible electrical components, wires, cables and connectors in the area of the forward fuselage for chafing and general condition and security.	Chapter 96 Chapter 97	
9.2	Examine battery vent tubes for obstruction or damage.		
9.3	Perform operational test of the battery temperature indicating system (if installed)		
9.4	If battery was removed, clean mounting area prior to installing reconditioned battery.		
9.5	Verify operation of litter door open warning light.		
9.6	Verify operation of landing lights.		
9.7	Verify operation of lower fuselage mounted position lights (if installed).		
9.8	Examine antennas for condition and security.		
9.9	Examine all optional equipment installed in the aft fuselage area for condition and security.		
9.10	Verify proper operation of fuel sump drain valve switch.		
A 1700.10	**POST INSPECTION**		
10.1	Check oil level of transmission, hydraulic tank, engine and tail rotor gearbox prior to running helicopter.	BHT-206L-FM-1	
10.2	Complete a ground run at 100% NR to check for leaks and confirm system operation.	BHT-206L-FM-1	
10.3	Perform a dynamic balance of the main rotor hub and blade assembly.		
10.4	Replace or close all applicable trim panels, covers, access and inspection doors/covers as necessary.		
10.5	Check the voltage regulator setting. Adjust as required.	Chapter 96	
10.6	Perform Functional Check Flight if required per Bell 206L Maintenance Manual or RFM as appropriate.		
10.7	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 1700 – 12 Month Inspection and was determined to be in an airworthy condition.

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

Signature: _____ Certificate Type & No: _____