SECTION: A 1720 – AIRFRAME INSPECTION PROGRAM
TYPE: 12 MONTH OIL COOLER BLOWER INSPECTION

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

Reference: BHT 206L Series MM-1 Chapters 12, 65

MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
A 1720.1	**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 1720.2	**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 1720.3	**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 1720.4	**OIL COOLER BLOWER**		
	CAUTION Make sure that you install caps and/or plug on all of the open ports, tubes and hoses. The prevents contamination of the system.		
4.1	Remove cowling and fairing to gain access to oil cooler blower.	Chapter 65	
4.2	Drain engine and transmission oil coolers and engine oil tank.		
4.3	Disconnect inlet and outlet oil lines to oil cooler. Cap lines		
4.4	Remove oil coolers and oil cooler transition duct from top of oil cooler blower assembly.		
4.5	Remove hardware securing oil cooler blower shaft to front hangar bearing.		
4.6	Remove hardware securing oil cooler blower shaft to aft hangar bearing.		
4.7	Remove oil cooler blower assembly.		

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MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
4.8 Clean oil cooler blower with solvent (C-304) and dry with filtered compressed air.	Chapter 12	
NOTE: Do not allow solvent to contact hanger bearings and do not wipe lip of seal.		
4.9 Inspect the following;		
4.9.1 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	
4.9.2 Blower impeller and shaft for condition.	Chapter 65	
4.9.3 Oil cooler blower hanger bearings and brackets for grease leakage and evidence of overheating.		
4.9.4 Bearings for smoothness and evidence of overheating.		
4.9.5 Forward and aft hangers for evidence of cracks, corrosion and other damage.		
4.9.6 Splines on ends of blower shaft for damage.		
4.9.7 Housing of oil cooler blower for crack and corrosion		
4.9.8 Impeller for cracks, nicks and straightness of blades.		
4.9.9 If the shaft or bearings are replaced as a result of the inspection (Steps 4.9.1 thru 4.9.5) the following applies.	206L CR0 Chp. 65-30	
4.9.9.1 Using the bearing press sleeve work aid press the bearing onto the shaft until the bearing is fully seated.		
4.9.9.2 Make sure the bearing airflow shields are not loose. If the bearing airflow shield can be moved it indicates that the bearing is not fully seated.		
4.10 Clean oil cooler by capping and submersing in hot water and detergent for a minimum of 3 hours.		
4.11 Reinstall oil cooler assembly paying careful attention not to disturb the shimming.		
4.12 Reinstall oil cooler assembly oil coolers and oil cooler transition duct to top of oil cooler blower assembly.		
4.13 Lubricate front and aft oil cooler bearings until grease purges past seals.	Chp 12	
4.14 Loosen hanger clamping nuts until all preload is removed from springs.	Chp 65	

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MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
A 1720.5	**POST INSPECTION**		
5.1	Complete a ground run at 60 to 62% for 45 seconds to 1 minute. Start timing when rotor starts turning.	BHT-206L-FM-1 Chp 65	
5.2	Shut down helicopter and torque nuts to 50 - 70 inch-pounds. Wipe off all excess grease.		
5.3	Ground run helicopter for 15 minutes checking bearings in forward and aft hangers for signs of overheating while checking oil cooler for leakage.	BHT-206L-FM-1 Chp 65	
5.4	Apply and thin coating of corrosion preventive compound (C-101) to aft side of exposed edges of the forward hanger and clamping surface. Also apply to springs.		
5.5	Replace or close all applicable trim panels, covers, access and inspection doors/covers as necessary.		
5.6	Make an entry in the appropriate logbook (refer to the following page for wording of approval for return to service) and a disk pack torque check due in 10 to 25 hours.		

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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 1720 – 12 Month Oil Cooler Blower 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: _____