SECTION: C 1700 – ICA OF INSTALLED EQUIPMENT
TYPE: 12 MONTH INSPECTION
NOTE:

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

MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
C 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 206L MP	
1.4 Overhaul all components that have completed published operating limits.	Bell 206L MP	
C 1700.2 AAI COMPOSITE BAGGAGE DOOR KIT – AA-00020		
NOTE: Removal of door from helicopter is not required for inspection. If any damage is noted during inspection, refer to Section 3.2 If the damage limits are exceeded, replace parts as required.		
2.1 Inspect the door for scratches, nicks, dents, corrosion, and delamination.		
NOTE: The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), 2) pits in aluminum or steel surfaces, 3) blisters, bulging or its flaking of protective coatings.		
2.2 Inspect attachment hardware for scratches, nicks, dents, corrosion, and security of attachment.		
2.3 Verify "correct" operation of door, i.e., door does not "bind."		
2.4 Ensure door latches are properly positioned on latch tabs on airframe.		
2.5 Inspect all Decals for condition.		
C 1700.3 AAI PREFLIGHT-FLIGHT STEP/HANDLE – AA-00124		
3.1 Inspect the Step/Handle for nicks, scratches, dents, corrosion, and cracks.	Section 3.2	
NOTE: The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), and in 2) pits in the aluminum or steel surface, 3) blisters, bulging or flaking of protective coatings.		
3.2 Inspect the attaching fasteners for security.		
3.3 Check the torque value on the attaching hardware and adjust as required to 50-70 in/lbs.		

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MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
C 1700.4 AAI FOLDING MAINTENANCE STEP – AA-00127		
4.1 Inspect the folding maintenance step for nicks, scratches, dents, corrosion, and cracks.	Section 3.2	
NOTE: The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), and in 2) pits in the aluminum or steel surface, 3) blisters, bulging or flaking of protective coatings.		
4.2 Check the folding function of this step.		
4.3 Inspect the attaching fasteners for security.		
4.4 Check the torque value on the attaching hardware and adjust as required to 50-70 in/lbs.		
4.5 Inspect Baggage Door Retention Strap for tears or frays and check attaching fasteners for security.		
C 1700.5 AAI CONSOLE INSTALLATION - AA-00132		
5.1 Inspect for proper installation of hardware, any unusual wear patterns, corrosion and/or damage (scratches, nicks, dents, cracks). Ensure the damage limits presented in Table 1 are not exceeded and replace parts as required.	Section 3.1	
NOTE: The indications of corrosion are 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), and in 2) pits in the aluminum or steel surface, 3) blisters, bulging or flaking of protective coatings.		
5.2 Inspect the attaching fasteners for security.		
5.3 Inspect Avionics equipment for security.		
C 1700.6 AAI BAGGAGE COMPARTMENT PROTECTORS - AA-02008		
6.1 Inspect the Baggage Compartment Protectors for scratches, dents, cracks, or deformation.		
6.2 Inspect the Baggage Compartment Protectors for security.		
C 1700.7 AAI STEERABLE LANDING LIGHT – F08-72000		
7.1 Verify that both **LDG LT POWER** and **LDG LT CONTROL** circuit breakers, located in overhead circuit breaker panel, are closed.	Section 4.1	
7.2 Hold four-position thumb-switch, located in pilot's collective box, forward in the **EXT** (Alt: **EXTEND**) position. Verify that the Steerable Landing Light drives to a 90° position (approximate) at full travel.		

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MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
7.3	At this time check Steerable Landing Light unit for security of attachment and for general overall condition.		
7.4	Set **LOG LT** (Alt: **LANDING LIGHT**) **ON I OFF I STOW** switch, located in pilot's collective box to **ON**. Verify that Steerable Landing Light illuminates		
7.5	Hold four-position thumb-switch aft in the **RETR** (Alt: **RETRACT**) position. Verify that Steerable Landing Light retracts completely.		
7.6	Hold four-position thumb-switch forward in the **EXT** (Alt: **EXTEND**) position until Steerable Landing Light is partially extended.		
7.6.1	Hold four-position thumb-switch in the **LEFT** position. Verify that light rotates full travel to the left.		
7.6.2	Hold four-position thumb-switch in the **RIGHT** position. Verify that light rotates full travel to the right.		
7.7	Set **LDG LT** (Alt: **LANDING LIGHT**) **ON I OFF I STOW** switch to **OFF**. Verify that light goes off.		
7.8	Set **LDG L**T (Alt: **LANDING LIGHT**) **ON I OFF I STOW** switch to **STOW**. Verify that light retracts to stowed position.		
7.9	Verify that both **LDG LT POWER** and **LDG LT CONTROL** circuit breakers are closed.		
7.10	Verify that the **FWD REC** (Alt: **FWD RECOG LIGHT**) circuit breaker, located in overhead circuit breaker panel, is closed.		
7.11	Set **FWD REC** (Alt: **FWD RECOG LIGHT**) switch, located in the pilot's collective box, to **ON**. Verify that fixed landing light illuminates.		
7.12	Set **FWD REC** (Alt: **FWD RECOG LIGHT**) switch to OFF. Verify **FWD REC** (Alt: **FWD RECOG LIGHT**) circuit breaker closed.		
C 1700.8	**AAI COMPOSITE ENGINE COWLING DOOR – AA-99105**		
	NOTE The indications of corrosion are: 1) corrosion deposits (a white or gray powder on aluminum or rust colored deposits on steel), 2) pits in the aluminum or steel surface, 3) blisters, bulging or flaking of protective coatings.		
8.1	Inspect the Composite Door for damage or signs of delamination and inspect the Hinges, Screens & Doublers, Latches and scoop for nicks, scratches, dents, corrosion or cracks.		
8.2	Inspect the attaching fasteners for security.		
8.3	Press latches to unlock door and pull open to check proper operation of latches and door.		

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NOTE:

MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
C 1700.9 AIR COMM BLEED AIR CABIN HEATER – 206H-203M		
9.1 Inspect bleed air hose and tube assemblies for evidence of damage or deterioration. Replace if any of the above exists.		
9.2 Inspect valve for mounting security.		
9.3 Inspect valve for freedom of operation. This valve must be replaced if excessive friction exists.		
9.4 Inspect bleed plumbing for insulation and security.		
9.5 Verify security of control knobs and placards (see FMS for location).		
9.6 Check the function of the automatic drain valve to ensure that the valve is closed when the engine is operating. The valve should be checked with the heater "full ON. Slight leakage is permitted.		
9.7 Remove heater ejectors. Inspect nozzles for evidence of deterioration. Check flow control valve for freedom of operation.		
C 1700.10 BELL BARRIER FILTER SYSTEM – AFS-BH206L3L4-IBF-KIT-ICA		
10.1 FILTER ASSEMBLY INSPECTION - Visual		
10.1.1 Inspect the following filter assembly components;		
10.1.1.1 Engine wash tube assembly seals and fasteners.	Table 1	
10.1.1.2 Check the filter media for tears, punctures, uneven or damage plate pleats.		
10.1.1.3 Check seals for tears and/or damage.		
10.1.1.4 Check frame components or corrosion, cracks, distortion near holes.		
10.1.1.5 Checked for missing or damaged fasteners.		
10.2 STRUCTURAL COMPONENT INSPECTIONS		
10.2.1 Visually inspect the following components:		
10.2.1.1 Air induction cowling.		
10.2.1.2 Access door.		
10.2.1.3 Adapter frame assembly.		
10.2.1.4 By-pass floor assembly.		
10.2.1.5 OML/IML covers and close out angles.		

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NOTE:

MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
10.3 SYSTEMS AND ELECTRICAL COMPONENT INSPECTIONS		
10.3.1 Visually inspect the following components for deformation, buckling, corrosion, cracks, dates, tears or other signs of damage:		
10.3.1.1 Wiring and wiring harness		
10.3.1.2 Cockpit switch / indicator		
10.3.1.3 Differential pressure switch		
10.3.1.4 Filter maintenance Aid and actuator		
10.3.1.5 Connectors		
10.3.1.6 Back shells		
10.3.1.7 Circuit breaker		
10.3.2 Function check the following:	Table 1	
10.3.2.1 Circuit breaker		
10.3.2.2 Cockpit switch		
10.3.2.3 Indicator		
10.3.2.4 Differential pressure switch		
10.3.2.5 Filter maintenance aid and actuator		
C 1700.11 DART REPLACEMENT EMERGENCY FLOATS – ICAPHI-2		
11.1 Unsnap unlace float covers.		
11.2 Conduct leak testing.	Section 6.1.5	
11.3 Repack floats.	Section 6.2.8	
11.4 Inspect cylinder and valve for surface damage.		
C 1700.12 SKY CONNECT – S200-ICA		
12.1 Perform a visual inspection on the following:		
12.1.1 Instruments		
12.1.2 Wiring harness and connectors		
12.1.3 Senders and probes		

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MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
C 1700.13 TANNIS HELI-PREHEAT SYSTEM TCA0003		
13.1 Apply cleaning processes in accordance with aircraft airframe, engine, and Appliance manufacturer's recommendations.	AC43.13-1B	
13.2 Examine the system for security of attachment.		
13.3 Inspect the system power plug, cable leads, and junctions.		
13.4 Perform all operational check of each pad.		
13.5 Follow cable leads to each element. If any portion of the cabling shows signs of damage from fluids, fatigue due to chafing, flexing, airflow, or vibration, re-secure or repair as required		
13.6 Inspect all pad heat elements for proper installation and bonding. If any portion of a pad heat element comes loose, it may be re-bonded. Use only Tanis supplied silicone conforming to MIL-A-46106. If a pad heat element shows signs of damage from oils or other fluids or develops a gray colored area it will require replacement. Reference Tanis bonding instruction NO. 186.		
C 1700.14 TECH TOOLS BUBBLE WINDOW - AC 43.13-1B		
14.1 Visually inspect accessible areas of the following items for cleanliness, security of attachment, excessive wear, smooth operation of vents, gouges, dents, pitting, cracks or crazing, sealing capability, obvious damage, and general overall condition:		
14.1.1 Window Assembly		
14.1.2 Snap Vent (-13 and -14 only)		
14.2 If damage is evident, replace Snap Vent or Window Assembly including Snap Vent as appropriate.		
C 1700.15 ARROW AVIATION EXTERNAL TORQUE GAUGE – AA-206		
15.1 Visually inspect torque the following items for cleanliness, security of attachment, excessive wear, chafing, gouges, dents, pitting, cracks or crazing, associated lines and fittings, hardware, obvious damage, and related aircraft structure for integrity security, wear, chafing, etc.		
NOTE: Special attention should be given to the aircraft primary structure with regards to fatigue and stress cracking, corrosion etc.		

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NOTE:

MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
C 1700.16 ARROW AVIATION GARMIN GTX 330 INSTALL – AA-206		
16.1 Check control head for loose, broken or worn parts.		
16.2 Check antennas for loose, broken or worn parts.		
16.3 Inspect antenna for condition and security		
16.4 Inspect control head for security and condition.		
16.5 Inspect circuit breaker for correct operation.		
16.6 Inspect antenna for condition and security		
C 1700.17 DIGITAL CLOCK INSPECTION		
17.1 Check clock for loose, broken or worn parts.		
17.2 Remove and replace battery.		
C 1700.18 AAI TAIL ROTOR LOCKOUT KIT – AA-99032		
18.1 TAIL ROTOR PEDALS LOCKED OUT		
18.1.1 Inspect Lockout Bracket Assembly for condition and security of attachment.		
18.1.2 Verify the Expandable pins are properly positioned in the Bellcrank and Safety Clips are properly latched.		
18.1.3 Verify the Links are fully seated and locked on the Lockout Bracket Assembly.		
18.2 TAIL ROTOR PEDALS ENGAGED		
18.2.1 Inspect Warning Decal for condition and security of attachment.		
18.2.2 Inspect Cable Assembly (Lanyard) for condition and security.		
18.2.3 Verify the Expandable Pins are seated on top of the Links.		
18.2.4 Verify the Safety Clips are properly latched.		
18.2.5 Verify there is no play between the Expandable Pins, Links and Bellcrank.		
18.2.6 Position each Tail Rotor Pedal, one at a time, to the full forward position, whilst checking the following;		
18.2.6.1 Verify there is no Pedal-to-Expandable Pin contact.		
18.2.6.2 Verify there is no right Expandable Pin contact with the Control Tube.		

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NOTE:

MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
C 1700.19 AAI LOCKING FUEL CAP		
NOTE If any defects are found which might compromise the Fuel Cap sealing and locking function, rectify per the BHT-206L-MM before further flight.		
19.1 Visually inspect the fuel cap surface for excessive wear, corrosion, and damage		
19.2 Visually inspect the latch mechanism for security and condition. Verify the latch operates properly.		
19.3 Visually inspect the attaching hardware for security and condition.		
19.4 Verify screws attaching Fuel Cap to adapter are properly sealed.		
19.5 Open and close the fuel cap; ensure proper operation and alignment.		
19.6 Ensure a proper and tight seal in the closed / locked position.		
19.7 Examine the fuel cap hinge for excessive wear, corrosion, and damage.		
19.8 Ensure the lock mechanism operates properly.		
C 1700.20 POST INSPECTION		
20.1 Inspect for operation and leaks.		
20.2 Replace or close all applicable trim panels, covers, access and inspection doors/covers as necessary.		
20.3 Perform Functional Check Flight if required per Rotorcraft Flight Manual and/or Manufacturer ICA.	BHT-206L-FM-1	

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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 – C 1700 – 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: _____