SCHEDULED INSPECTIONS

5-22. 12 MONTH INSPECTION

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH	INITIAL OTHER
	DATE: _____W.O. _____		
	FACILITY: _____		
	HELICOPTER S/N: _____		
	REGISTRY NO.: _____		
	TOTAL TIME:_____		
	SIGNATURE:_____		
	GENERAL		
	1. Ensure that an airframe periodic inspection (paragraph 5-10) or one complete cycle (all six events) of the progressive inspection (paragraph 5-9) have been completed in the last 12 calendar month period.		
	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 sealing O-rings as required.		
Chapter 18	**3.** Perform a dynamic balance of the main rotor hub and blade assembly.		
Chapters 25 and 53	**4.** Remove interior trim and access panels necessary to gain access. Examine the following:		
Chapter 29	**SERVO ACTUATORS**		
	NOTE The 12 month inspection is only applicable to servo actuators 206-076-062-105/-107.		
	1. Do the Servo Actuators — 12 Month Inspection.		

SCHEDULED INSPECTIONS

5-22. 12 MONTH INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH	INITIAL OTHER
	FORWARD FUSELAGE		
Chapter 67	**1.** Examine the controls for condition, security and correct operation. Examine them in the locations that follow: **a.** Pedestal. **b.** Crew seats. **c.** Tunnel. **d.** Roof beam. **e.** Hat bin.		
Chapter 67	**2.** Examine the components of the airspeed-actuated pedal stop for condition, security and correct operation. Examine the components that follow: **a.** Solenoid. **b.** Cam. **c.** Release cable.		
	3. Operate the airspeed-actuated pedal stop manual cable release mechanism for the cam. Examine for correct operation and free movement of cable. Safety the cable release handle with lockwire (C-554).		
Chapter 96	**4.** Perform a pedal restrictor control system functional test.		
Chapter 67	**5.** Examine all fluid flexible and rigid lines for condition, leaks, and security. Examine them in the locations that follow: **a.** Vertical tunnel. **b.** the roof beam. **c.** Hat bin.		

SCHEDULED INSPECTIONS

5-22. 12 MONTH INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH	INITIAL OTHER
Chapter 76	**6.** Examine the throttle control cable for condition and security. Examine it in the locations that follow: **a.** Crew seats. **b.** Vertical tunnel. **c.** Roof beam.		
Chapter 95	**7.** Replace the 1.5 volt dry cell battery located at the back of the instrument panel digital clock (S/N 53000 through 54299). **CAUTION** ANY CRACK, CORROSION, OR LOOSE OR SHEARED RIVET IS CAUSE FOR IMMEDIATE GROUNDING OF THE HELICOPTER UNTIL THE PROBLEM IS CORRECTED.		
Chapter 53	**8.** Examine the structure for condition in the locations that follow: **a.** Pedestal. **b.** Crew seats. **c.** Bulkhead at fuselage station 81.08. **d.** Vertical tunnel. **e.** Roof beam. **f.** Hat bin. **g.** Bulkhead at fuselage station 142.715.		
Chapter 96	**9.** Examine the electrical harness for condition and security in the locations that follow: **a.** Pedestal.		

SCHEDULED INSPECTIONS

5-22. 12 MONTH INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH	INITIAL OTHER
	b. Crew seats.		
	c. Vertical tunnel.		
	d. Roof beam.		
	e. Hat bin.		
Chapter 53	**10.** Examine the internal structure of forward and side engine mount attachment points for condition and security.		
	11. Examine internal structure of frame at fuselage station 199.039 (WL 72.602) for condition and security.		
	FUEL SYSTEM		
Chapter 96	**1.** Do a fuel low annunciator circuit operational check.		
Chapter 28	**2.** Examine the operation of the check valves for the forward fuel cell transfer pumps. Turn on each transfer/boost pump assembly individually and visually confirm flow of fuel from outlet of fuel transfer line in aft fuel cell. Fuel system may have to be defueled until fuel level is below transfer line outlet.		
	3. Examine the fuel system shutoff valve and components for condition, leaks, and security.		
	TAILBOOM		
	1. Examine the following for condition and security:		
Chapter 8	**a.** Ballast		
Chapter 67	**b.** Controls		
Chapter 53	**c.** Horizontal stabilizer including slats and auxiliary finlets		
	d. Vertical fin including tail stinger and weight		
Chapter 96	**e.** Electrical harness		

SCHEDULED INSPECTIONS

5-22. 12 MONTH INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH	INITIAL OTHER
	MAIN ROTOR MAST		
Chapter 62	**1.** Remove the main rotor hub.		
	NOTE The mast pole may have been re-identified to one of the following, after repair by Bell Helicopter Textron (BHT): • 407-040-038-111R (replacement of the tungsten carbide coating by wear sleeve 406-040-026-103) • 407-040-038-111T (repair of the tungsten carbide coating) • 407-040-038-111T1 (expanded repair of the tungsten carbide coating)		
BHT-407-CR&O Chapter 63	**2.** For the mast pole 407-040-038-101, -105, -109, or -111R, examine the lower cone clamping journal for sleeve debonding, voids, and corrosion (ASB 407-11-94).		
BHT-407-CR&O Chapter 63	**3.** For the mast pole 407-040-038-111, -111T, or -111T1, examine the lower cone clamping journal for corrosion (ASB 407-11-94).		
Chapter 62	**4.** Install the main rotor hub.		
Chapter 95	**ENGINE**		
	1. Do a MGT indicator functional check in Normal Mode and Start Mode (S/N 53000 through 54299).		
	2. Do a PSI – MGT operational check (407GX, S/N 54300 and subsequent).		
	GROUND RUN		
BHT-407-FM-1 or BHT-407-FM-2	**1.** Complete a ground run at 100% N_R to check for leaks and confirm system operation.		