

PROGRESSIVE INSPECTIONS

5-14. PROGRESSIVE INSPECTION — EVENT #3

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH OTHER	
	DATE: _____ W.O. _____ FACILITY: _____ HELICOPTER S/N: _____ REGISTRY NO.: _____ TOTAL TIME: _____ SIGNATURE: _____ ZONE 4 — POWER PLANT <u>PLACARDS AND MARKINGS</u> 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			
Chapter 71	<u>ENGINE</u>		
Chapter 53	1. Examine the engine cowling and the doors for condition and security. 2. Examine the engine for condition, leaks, and security. Examine the components as follows: a. Fluid flexible and rigid lines. b. Electrical harness. c. Engine mounts, fittings, and legs. d. Exhaust stack.		
Chapter 96			
Chapter 71			
Chapter 53	3. Examine the firewalls for condition and security. 4. Examine the engine pan drains. Make sure that they are not clogged. Restore broken or missing sealant from engine pan.		

5-14. PROGRESSIVE INSPECTION — EVENT #3 (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL	
		MECH	OTHER
Chapter 76	5. Examine the engine controls for condition, correct operation, and security. Examine the components as follows: NOTE Refer to Chapter 76, "Throttle/Fly Detent Rigging Procedure" for acceptable limits. a. HydroMechanical Unit (HMU) "MINIMUM" and "MAXIMUM" stops for contact during full travel of the throttle. b. Linkage for any looseness.		
Chapter 96 Rolls-Royce Operation and Maintenance Manual, Publication CSP21001	6. Examine the engine chip detectors for metal particles. Examine the electrical circuit of the chip detectors for continuity. 7. Do the applicable engine inspection.		
Chapter 63	<u>ENGINE TO TRANSMISSION DRIVESHAFT</u> 1. Examine the engine to transmission driveshaft for condition and security. Examine the components as follows: a. Driveshaft for corrosion, surface damage and cracked spring. b. Flexframe and bolts for condition and signs of slippage.		
Chapter 65	<u>TAIL ROTOR FORWARD SHORT SHAFT ASSEMBLY</u> 1. Examine the short shaft for condition and security. 2. Examine the disc pack couplings. 3. Do a torque check of the disc pack coupling attachment hardware (150 to 180 inch-pounds (17 to 20 Nm)). 4. Examine the flywheel for condition and security (if installed).		

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5-14. PROGRESSIVE INSPECTION — EVENT #3 (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH OTHER	
Chapter 63 Chapters 63 and 96 Chapter 63 Chapter 71 Rolls-Royce Operation and Maintenance Manual, Publication CSP21001 BHT-407-FM-1 or BHT-407-FM-2	<u>FREEWHEEL ASSEMBLY</u> 1. Examine the freewheel assembly for condition, leaks, and security. 2. Examine the freewheel chip detector for metal particles. Examine the electrical circuit of the chip detectors for continuity. <u>ROTOR BRAKE DISC</u> 1. Examine the rotor brake disc for condition and security. <u>STARTER-GENERATOR</u> 1. Remove and examine the starter-generator for condition. Examine the components as follows: • Brushes • Commutator • Drive spline 2. Examine the duct and the clamp for condition and security. <u>GROUND RUN</u> 1. Do a FADEC manual mode check. 2. Complete a ground run at 100% N_R to check for leaks and confirm system operation.		