

SCHEDULED INSPECTIONS

5-29. 300-HOUR INSPECTION

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL MECH OTHER	
	DATE: _____ W.O. _____ FACILITY: _____ HELICOPTER S/N: _____ REGISTRY NO.: _____ TOTAL TIME: _____ SIGNATURE: _____ NOTE Every 300 hours of operation, the 300-hour inspection must be accomplished in conjunction with the 100-hour airframe progressive inspection program or the 100-hour airframe periodic inspection program. FORWARD FUSELAGE <u>CABIN INTERIOR</u> 1. Remove cabin overhead upholstery, hat bin, soundproofing blanket, aft vertical tunnel covers, and roll-over bulkhead access panels. 2. Remove roof beam access panels. 3. Examine flight control tubes inside roof beam for condition and security. 4. Examine roof beam and roof shell structure for condition. 5. Examine aft passenger seat bulkhead for distortion and/or cracks and indication of screw contact in the area of hat bin attachment nutplates.		

Chapter 25

Chapter 53

Chapter 67

Chapter 53

SCHEDULED INSPECTIONS

5-29. 300-HOUR INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL	
		MECH	OTHER
Chapter 96	6. Examine electrical components behind hat bin for condition, security, and cleanliness.		
Chapter 53	7. Examine engine and transmission support structure for cracks, corrosion, or loose fasteners.		
	 EXERCISE CARE AND USE ADEQUATE SCREW LENGTH WHEN REINSTALLING VERTICAL TUNNEL COVER TO AVOID CONTACT WITH TAIL ROTOR CONTROL TUBE.		
Chapter 67	8. In the vertical tunnel area, examine the following:		
	a. Flight control system tubes for evidence of chafing with oil line or flex cable.		
	b. Flight control system bellcranks, levers, supports, and walking beams for binding, excessive looseness, and security of attachment.		
Chapter 95	c. Oil lines for leakage, condition, and security.		
Chapter 53	d. Roof beam interface with vertical tunnel for cracks, corrosion, and loose fasteners.		
	e. Vertical tunnel stiffening angles at roof beam interface for cracks, condition, and loose fasteners.		
Chapter 25 and Chapter 53	9. Remove crew seat cushions and panels and examine the following:		
Chapter 67 and Chapter 76	a. Control tubes, N ₁ throttle cable, bellcranks, levers, yokes, and supports for bending, excessive looseness, and security of attachment.		
Applicable Service Instruction	b. Heater ducts (if installed) for chafing with controls.		
Chapter 95	c. Oil lines for leakage and general condition.		

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5-29. 300-HOUR INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL	
		MECH	OTHER
Chapter 96	d. Wiring and electrical components for condition and security.		
Chapter 53	e. Structure for corrosion, cracks, and condition.		
	<u>CONTROLS</u>		
Chapter 67	1. Verify minimum friction of collective control and readjust as required.		
	2. Verify minimum friction of cyclic control and readjust as required.		
	3. Verify minimum friction of control pedals and readjust as required.		
Chapter 96	<u>ELECTRICAL</u>		
	1. Remove battery and recondition in accordance with BHT-ALL-SPM and manufacturer's service manual.		
	<u>FUSELAGE</u>		
Chapter 52	1. Inspect latches on crew doors for correct adjustment.		
	2. Inspect latches on passenger doors, and baggage door for correct adjustment.		
	PYLON AREA		
	<u>SWASHPLATE ASSEMBLY</u>		
Chapter 62	1. Verify and adjust swashplate tilt friction as required.		
	2. Value must be between 15 to 32 pounds (67 to 142 N). If out of limits, adjust to 15 to 32 pounds (67 to 142 N) and check again.		

5-29. 300-HOUR INSPECTION (CONT)

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5-29. 300-HOUR INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL	
		MECH	OTHER
Chapter 28 Rolls-Royce 250-C30 Series Operation and Maintenance Manual, 14W2	2. Replace airframe fuel filter element. 3. Purge airframe and engine fuel system as follows: a. Turn both fuel boost pumps ON. b. Depress airframe fuel filter bypass valve "press to test" button on fuel filter head until there is no evidence of air coming out of the lower fuel filter drain port and out of the fuel filter outlet supply line. c. Then proceed with Rolls-Royce engine fuel system purging procedure. 4. Ensure air is purged from fuel filter head and check for fuel leaks during ground run.		
	<u>STARTER GENERATOR</u> 1. Remove starter generator. Examine mounting pad and clamp for condition.		
	2. Examine commutator for wear. Replace starter generator if not smooth and bright or if showing excessive wear. 3. Inspect brushes for wear.		
	4. Examine cooling duct and retention clamp for condition and security. 5. Examine the splines on starter generator shaft and engine gear shaft. AFT FUSELAGE/TAILBOOM AREA <u>AFT FUSELAGE</u> 1. Visually inspect longeron and engine pan interface for corrosion as follows: a. Open access door in overhead baggage compartment.		

SCHEDULED INSPECTIONS

5-29. 300-HOUR INSPECTION (CONT)

DATA REFERENCE	INSPECTION TASK DESCRIPTION	INITIAL	
		MECH	OTHER
Chapter 65	<u>TAIL ROTOR GEARBOX</u> Torque check tail rotor gearbox retaining nuts 50 to 70 inch-pounds (5.6 to 7.9 Nm). <u>TAIL ROTOR HUB AND BLADE ASSEMBLY</u>		
Chapter 64	1. Check dynamic balance of tail rotor hub and blade assembly. 2. Adjust as required.		

