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Revision: 9
Issue Date: 10/20/21

SECTION: B 0303NT – ENGINE INSPECTION PROGRAM
TYPE: 300 HOUR / 12 MONTH INSPECTION
NOTE: NO TOLERANCE

MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
3.1.5	Fluid flexible and rigid lines. Pay particular attention for chafing damage and kinked lines.	Chapter 71	
3.1.6	Electrical harness for loose, chafed, frayed, or broken wires, loose connectors	Chapter 96	
3.1.7	Exhaust stack for condition and security.	Chapter 71	
3.1.8	Engine mounts, fittings and legs. Pay particular attention for loose fasteners.	Chapter 71	
3.1.9	Rear engine mount for security and excessive bearing wear.	72-00-00 PARA 1.A., (5) Engine- Inspection/Check	
3.1.10	Engine pan drains. Make sure that they are not clogged. Restore broken or missing sealant from engine pan.		
3.1.11	Horizontal and vertical firewall shields for cracks. NOTE: Continue sheet metal or tube cracking may be an indication of excessive engine, engine accessory or airframe vibration.	72-50-00 PARA 6.K Chapter 53	
B 0303.4 FREEWHEELING UNIT			
4.1	Examine the freewheel assembly for condition, leaks and security.	Chapter 63	
4.2	Examine the freewheel chip detector for metal particles.		
4.3	Examine the electrical circuit of the chip detectors for continuity.	Chapter 96	

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MAINTENANCE ACTION	REFERENCE	MECHANIC'S INITIALS
B 0303.5 ENGINE OIL SYSTEM		
5.1 Clean the following;		
5.1.1 Power turbine support scavenge oil strut	72-50-00 PARA 6.G.	
5.1.2 External sump	72-50-00 PARA 6.G	
5.1.3 No.1 bearing oil pressure reducer	72-50-00 PARA 2.A. (1)	
5.1.4 Pressure oil fitting screen assembly	72-50-00 PARA 6.G.	
5.1.5 Power turbine pressure oil nozzle CAUTION; Extreme care must be exercised to prevent twisting of oil nozzle during removal. Do not attempt to straighten or reuse if twisted.	72-50-00 PARA 6.G.	
5.2 Remove, inspect and reinstall the turbine pressure oil check valve.	72-60-00 PARA 2.K.	
5.3 Replace Purolator Nicad Filter.		
5.4 Measure and record power turbine support pressure oil nozzle flow from scavenge oil strut. While motoring N1 to 16-18% the minimum flow is 90cc in 15 seconds. Record the following; Flow _____ Compare with previous flow. Any large deviation could indicate a caron buildup.	72-50-00 PARA 6.E.	

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MAINTENANCE ACTION		REFERENCE	MECHANIC'S INITIALS
B 0303.6 POST INSPECTION			
6.1	Replace or close all applicable trim panels, covers, access and inspection doors/covers as necessary.		
6.2	Make sure applicable servicing requirements have been carried out.	Chapter 12	
6.3	Check oil level of transmission, hydraulic tank, engine and rail rotor gearbox prior to running helicopter.		
6.4	Ground run aircraft for a minimum of 2 minutes to check for leaks and ensure all systems are operational and parameters are within Flight Manual limitations.		
6.5	Perform Functional Check Flight if required per Rolls-Royce MM, or RFM as appropriate.		
6.6	Make an entry in the appropriate logbook (refer to the following page for wording of approval for return to service).		