CONTINUED AIRWORTHINESS

100–HOUR OR ANNUAL INSPECTION CHECKLIST

1. 100–Hour or Annual Inspection

This check sheet is designed to be used when performing 100–Hour or Annual inspections as defined under FAR, Part 43, Appendix D. This checklist, when completed, should be kept as a permanent part of the helicopter's records. Adherence to Maintenance Manual information is required, and the manual should be consulted when using the checklist.

NOTE: The Chap/Sect column of the followi table is for reference unless a specific spection requirement is called out. If the is only two numbers in the column, it refe to the Chapter. If there is three numbers refers to the Section the inspection is four

Table 1. 100–Hour or Annual Inspection

Registration No. N40NT **Serial No.** 513E **Helicopter Hours** 6855.3

Model	Requirement	Chap/Sect	Initi
	GENERAL		
ALL	Thoroughly clean helicopter and engine prior to start of inspection.	20	
ALL	Remove trim panels, covers and access panels as necessary.	52–50–00	
ALL	Ensure all placards and markings are installed.	11–00–00	
ALL	Ensure compliance with component mandatory retirement schedule.	04–00–00	
ALL	Ensure compliance with component overhaul schedule.	05–10–00	
ALL	Ensure compliance with all applicable airworthiness directives, service notices and special inspections.	N/A	
ALL	Review aircraft maintenance records for recorded discrepancies and correct discrepancies as applicable.	N/A	
ALL	Refer to related manufacturer's publications for detailed requirements on inspection of engine, starter/generator, battery and all installed STC equipment.	01–00–00	
	EXTERIOR		
ALL	• Air intake for cleanliness and foreign matter. • Visible portion of engine compressor inlet for foreign object damage.	71	
	CAUTION Ensure that compressor cover is installed to prevent FOD.		
ALL	Engine air plenum chamber for: • Damage and cleanliness. ✓ • Wear and security of internal components. ✓ • Particle separator mounting structure for cracks or damage. ✓	71 53	
ALL	Fuselage upper surfaces for: • Damage and condition. ✓ • Mast base drain holes clean and free of debris (blow air thru holes to ensure no clogging). ✓ • Engine air inlet fairing free from damage. No delamination noted. Access door operationally checked. Seals free from damage. ✓ • Engine compartment doors for proper operation of latches and closure, distortion, damage, cracks and security. ✓	53	

Table 602 (cont)
Scheduled Inspections

Item	Inspection/Maintenance Action	REF PARA	✓	Initial
	100 Hour Inspection (cont)			
5	Inspect P_c filter for proper clamping.	N/A		
6	Until CEB–A–1233 is complied with, inspect P_c filter assembly as follows: Without disassembly or removal of the P_c filter assembly from the mounting bracket, inspect using a 10x magnification glass and a bright light to detect any signs of cracks, paying particular attention to both of the end fittings at their junction with the end walls. If cracks are detected, remove assembly and comply with CEB–A–1233.	N/A		
7	Remove the Scroll–to–P_c Filter Tube Assembly at both ends and inspect for cracks using 10x power glass. Pay particular attention to the flared ends of the tube for cracks, and to the areas beneath the floating ferrules for fretting damage. Tubes–found to contain cracks and/or excessive fretting damage are to be replaced by new parts of the same part number as removed.	N/A		
	NOTE: Excessive fretting is present when the ferrule has chafed the tube sufficiently to wear a step in the tube that can be felt with a thumbnail or other inspection aid.			
8	With the Scroll–to–P_c Tube Assembly still removed and using a 10x power glass, inspect the elbow in the compressor scroll for distress/cracks/proper alignment. No cracks are permissible.	N/A		
9	Check fuel control and power turbine governor linkage for freedom of operation, full travel and proper rigging. Check security of linkage for loose or worn linkage and linkage bolts.	PARA 3.C., 73–20–02, 3.B., 73–20–03, 3.C., 73–20–04 and PARA 2.C., 73–20–01		
10	Inspect compressor inlet guide vanes and visible blades and vanes for foreign object damage.	N/A		
11	Clean compressor with chemical wash solution as required if operating in a smdggy area, conditions with airborn pollutants or with water alcohol.	PARA 6., 72–30–00		
12	Visually inspect the water–alcohol nozzles for build–up of contaminants which could restrict flow or alter the spray pattern. Ultrasonic clean nozzles if equipment is available.	N/A		N/A
13	Clean the 200 mesh screen, if equipped with water–alcohol injection kit.	N/A		N/A