

TABLE 1 SCHEDULED MAINTENANCE AND INSPECTIONS	First 10 hours	First 25 hours	First 100 hours	Every 50 hours	Every 100 hours		Every 500 hours	Every 2200 hours	Every 4 months	Every 12 months	Every 24 months		Every 4 years	Every 12 years	Every 15 years
Perform maintenance & inspection per Lycoming Operator's Manual.*	•	•		•	•	•									
Perform Lycoming SI 1129B <i>Methods of Checking DC Alternator and Generator Belt Tension.</i>		•			•										
Perform Lycoming SI 1191A <i>Cylinder Compression.</i>					•										
Perform Lycoming SI 1080C <i>Maintenance Items for Special Attention.</i>				•	•										
Perform Lycoming SB 301B* <i>Maintenance Procedures and Service Limitations for Valves.</i>						•									
Perform Lycoming SB 366B <i>Carburetor Throttle Body Screw Inspection.</i>					•										
Perform Lycoming SB 342F (IO-540 Only) <i>Fuel Line (Stainless Steel Tube Assy.) and Support Clamp Inspection & Installation. Reference AD 2011-26-04.</i>					•										
Perform Lycoming SB 388C <i>Procedure to Determine Exhaust Valve and Guide Condition.</i>			•		•										
Perform Lycoming SB 480E <i>I. Oil & Filter Change & Screen Cleaning / II. Oil Filter/Screen Content Inspection.</i>		•		•				•							
Perform TCM SB 643B <i>Maintenance Intervals for All TCM & Bendix A/C Magnetos & Related Equipment.</i>					•		•						•		
Perform TCM SB 658 <i>Distributor Gear Maintenance.</i>							•								
Perform TCM SB 663A <i>Two-Wire Magneto Tach. Breaker Contact (Points) Assy. P/N 10-400507.</i>							•						•		
Perform 100-hour/annual maintenance & inspection per § 2.400.					•				•						
						•					•				
Replace hydraulic filter per § 1.170.					•										
Drain and flush gearboxes per §§ 1.120 & 1.130.							•								
Clean gearbox chip detectors per § 1.115.							•		•						
Perform clutch assembly lubricant inspection & servicing per § 7.210.							•								
Service collective spring (manual controls) per § 8.221.							•								
Verify magneto drive cushion pliability.							•						•		
Overhaul helicopter per § 2.700.								•							
Inspect emergency locator transmitter (ELT) per 14 CFR § 91.207.									•						
Perform pop-out float leak check per § 5.630.									•						
Test and inspect transponder per 14 CFR § 91.413.										•					
Perform pop-out float inflation check per § 5.640.											•				
Perform pop-out float pressure cylinder hydrostatic test.*											•				
Perform 12-year maintenance and inspection per § 2.600.														•	
Pop-out float pressure cylinder maximum life.															•

* Shorter interval than published on referenced document/decal.

2.410 Inspection Procedures and Checklist (cont'd)**7. Open Cowling Doors (7A), Remove Tailcone Cowling (7B) & Mast Fairing (9) (cont'd)**

Fuel Caps: Inspect condition, to include gasket. Verify security when closed. Verify alignment marks on cap and tank align when cap is fully closed.

Nuts and Bolts: Inspect all nuts and bolts in this area for movement and looseness.

Cabin Bulkhead & Forward Hydraulic Servo Mounts: Inspect bulkhead and servo mounts (if installed) for corrosion, loose rivets, deformation and cracks.

Clutch Assembly: Inspect ends of drive shaft and seals on sheave for oil leakage. Inspect shaft for corrosion, especially at shaft-to-seal junctures. Remove any light surface corrosion at shaft-to-seal junctures, and apply a suitable corrosion-inhibitor.

Upper Sheave: Inspect sheave grooves. Replace any sheave showing corrosion pitting or flaking of metalized or anodized coatings, wear through anodized coatings, roughness, or sharp ridges.

Drive V-Belts (see Section 2.507): Inspect V-belts. Verify no breakage, deterioration of rubber, cuts, fraying, oil, grease, or foreign objects.

Actuator Fuses & Holders: Inspect condition. Verify no corrosion. Verify correct fuses (14-volt systems require AGC-3 fuses while 28-volt systems require AGC-1 ½ fuses). Verify twist-to-lock function and security.

Actuator Upper Bearing and Strut: Inspect seals on both sides of bearing for damage. Inspect strut, including both rod ends, and check witness holes. Check for fretting between bearing inner races and clutch shaft. Bearing inner races should be torque striped to clutch shaft. If stripes are broken or misaligned, shaft is unairworthy. Check bearing Telatemp. Perform bearing inspection per Section 2.503 if Telatemp indication has increased without corresponding increase in ambient temperature.

Actuator Lower Bearing: Inspect as much of bearing as can be seen. Inspect fiberglass scroll area at bearing attachment brackets for signs of cracking. Check bearing seals for evidence of deterioration. Inspect lower bearing brackets for looseness or wear. Inspect bearing per Section 2.502 if discrepancies are found

Intermediate Flex Plate and Forward End of Tail Rotor Drive Shaft (see Figure 2-5): Inspect flex plate for cracks and fretting. Inspect yoke-to-drive shaft weld for cracks (steel shafts).

Tailcone Attachment: Thoroughly inspect all welds in this area for cracks, corrosion, and security of attaching fasteners. Inspect tailcone mounting area for cracks.