5. Scheduled Maintenance - PA-38-112 (continued)

NATURE OF INSPECTION	Inspection Interval (Hrs) 50	100
5. Inspect elevator trim operation. (See Note 15.)		O
6. Inspect rudder pedals for proper operation		O
7. Inspect parking brake and brake handle for operation and cylinder leaks		O
8. Inspect control wheels, column, pulleys and cables for proper operation		O
9. Inspect forward tunnel for debris per Forward Tunnel Debris Inspection in 27-50-00.	O	O
10. Check landing, navigation, cabin and instrument lights	O	O
11. Inspect instruments, lines and attachments		O
12. Inspect gyro operated instruments and electric turn and bank. Overhaul or replace as required		O
13. If installed, replace vacuum regulator filter element		O
14. Inspect static system, altimeter and transponder for installation/certification per latest revision of AC43.13-1 and current test/inspection per FAR's 91.411 and 91.413, respectively		O
15. Inspect fuel selector valve for condition, security, and operation. If the valve binds, sticks, or is otherwise difficult to operate, lubricate the fuel selector valve per Inspection and Lubrication under Fuel Selector Valve in 28-20-00		O
16. Inspect condition of heater controls and ducts		O
17. Inspect condition and operation of air vents		O
18. If installed, inspect disposable-type (non-gauged) fire extinguisher minimum weight as specified on nameplate		O
19. If installed, have any rechargeable (gauged) fire extinguisher professionally inspected		O
20. Lubricate per lubrication chart in 12-20-00	O	O
21. Inspect and test ELT per FAR 91.207. (See Testing, 25-60-00.)		O
22. Cycle each circuit breaker with airplane power off	O	O
23. Inspect circuit breakers for condition	O	O
D. FUSELAGE AND EMPENNAGE GROUP		
1. Remove inspection plates and panels. (See Figure 3, 6-00-00.)		O
2. Conduct a general visual inspection of electrical and electronic installations (mounting, wiring, harnesses, shields, connectors, etc.) for condition and security		O
3. Inspect skins, bulkheads, frames, and stringers for damage, irregularities, or structural defects (i.e. - skin cracks, distortion, dents, corrosion, and loose or missing rivets)		O
4. Inspect antenna mounts and electric wiring		O
5. Inspect fuel lines, valves, and gauges for damage and operation		O
6. Inspect security of all lines		O
7. Inspect vertical fin and rudder drain holes for blockage		O
8. Inspect vertical fin for surface damage or irregularities (i.e. - skin cracks, distortion, dents, and corrosion; structural defects (i.e. - loose or missing rivets); misrigging; hinge damage, excessive wear, freedom of movement and proper lubrication; and attachment points for missing or worn hardware. (See Notes 11 and 12.)		O