

Circle Type of Inspection (See Notes 1, 2, 3 and 4)				Inspector		Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0)		Inspector		
50 100 Annual				50	100	DESCRIPTION		50	100	
DESCRIPTION				L	R	DESCRIPTION				
B. ENGINE GROUP (CONT.)										
26. Inspect condition of flexible fuel lines								10. Check operation of parking brake		
27. Inspect fuel system for leaks								11. Inspect condition and security of control wheels, column, pulleys, cables, turnbuckles, guides, terminals, and fittings. (See Note 9.)		
28. Inspect engine-driven and electric fuel pumps for condition and operation. Replace as required								12. Inspect flap lever to control cable attachment bolt for condition and security. (See Note 9.)		
29. Clean screens in electric fuel pumps (plunger type pump)								13. Check operation of landing, navigation, strobe, cabin, and instrument lights.		
30. Replace hydraulic filter element. (Inspect filter element for contamination.)								14. Inspect condition and security of instruments, avionics, lines, and attachments.		
31. Inspect hydraulic pump and gasket for leaks. (See Note 6.)								15. If installed, inspect air filter pads in individual vacuum-driven instruments (i.e., gyro horizon and directional gyro)		
32. Inspect vacuum pumps, oil separators, and lines for security and condition. (See Note 21 and 22.)								16. Inspect vacuum and gyro operated instruments and electric turn and bank. (Overhaul or replace as required.)		
33. Inspect all engine and propeller controls for travel, and operating condition. (See Note 15.)								17. If installed, replace vacuum regulator filter element		
34. Inspect and lubricate all engine controls per Lubrication Chart, Section II. (DO NOT lubricate teflon liners of control cables.)								18. 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		
35. Inspect exhaust system per Exhaust System 100 Hour Inspection. (See Special Inspections, Procedures.)								19. Inspect and Test ELT per 91.207		
36. Inspect attaching flanges at exhaust port of each cylinder for leakage, condition, and security. (See Note 13.)								20. Inspect operation of fuel selector valve		
37. Inspect breather tube for obstructions and security. (See Note 29.)								21. Inspect fuel selector valve control cables for rigging and adjustment, unrestricted motion of cables, cable ends, and valve actuator levers. (See Note 16.)		
38. Inspect crankcase for cracks, leaks, and security of seam bolts								22. In airplanes equipped with the optional Auxiliary Fuel Tanks only, inspect fuel quantity indicator switches for condition, security, and rigging		
39. Inspect engine mounts and mounting hardware for security and condition								23. Drain crossfeed line		
40. Inspect rubber engine mounts for deterioration and looseness. (Replace as required.)								24. Inspect operation of crossfeed valve		
41. Inspect all engine baffles for cracks, condition, and security								25. Inspect operation of heater fuel valve and condition of safety. If safety is broken or missing, see Paragraph 13-138		
42. Inspect firewall for cracks								26. Inspect condition of heater controls and ducts		
43. Inspect condition of firewall seals								27. Inspect condition and operation of air vents		
44. Inspect condition of generator and starter								28. Inspect oxygen outlets for defects and corrosion		
45. Inspect security of generator and starter mounting								29. Inspect oxygen system operation and components		
46. Inspect condition and tension of generator drive belt (See Paragraph 11-51.)										
47. Replace vacuum regulator filter element								D. FUSELAGE AND EMPENNAGE GROUP		
48. Install engine cowling								1. Remove inspection panels and plates		
C. CABIN AND COCKPIT GROUP								2. Check fluid in brake reservoir. (Fill as required.)		
1. Inspect cabin door, latches, and hinges, and windows, and baggage compartment doors, latches, and hinges for damage, operation, and security								3. Inspect battery, box, and cables. Flush box as required and fill battery per instructions on box		
2. Inspect windows for scratches, crazing, and condition								4. Inspect electronic installations for security and operation		
3. Check window and door seals for deterioration, cracks, and voids								5. Inspect fuselage cabin entrance step attachments to fuselage frame for condition, security, etc. (See Note 19.)		
4. Inspect upholstery for tears								6. Inspect skins, bulkheads, frames, and stringers for damage, irregularities, or structural defects (i.e. - skin cracks, distortion, dents, corrosion, and loose or missing rivets)		
5. Inspect seats and attaching brackets and hardware for condition, security, and operation								7. Inspect antennas, mounts, and electric wiring for damage and security		
6. Inspect seat belts and shoulder harnesses per Restraint System, Inspection. (See Special Inspections, Procedures.)								8. If installed, inspect heater for fuel or fume leaks		
7. Inspect trim operation								9. If installed, inspect manual heater fuel shutoff valve for fuel leaks and capnut safety		
8. Inspect condition and operation of rudder pedals and rudder bar assembly								10. If installed, drain and clean heater gascolator bowl per Paragraph 13-136		
9. Inspect parking brake valve and brake handle for operation and cylinder leaks								11. Inspect fuel lines, valves, and gauges for damage and operation		
								12. Inspect security of all lines		
								13. Inspect hydraulic power pack and lines for damage, leaks and proper fluid level		

EXAMS 182 R 0800 BY JEFFREY HENRICH