

PIPER AIRCRAFT CORPORATION

INSPECTION REPORT

This form meets requirements of FAR Part 43 - Inspections must be performed by persons authorized by the FAA.

Make: PIPER ARROW

Model PA-28R-201-201T

Serial No.

Registration No.

Circle Type of Inspection (See Note 2) 50 100 500 1000 Annual	DESCRIPTION	50	100	500	1000	Inspector	Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0)	DESCRIPTION	50	100	500	1000	Inspector
A. PROPELLER GROUP													
WARNING													
Read Note 28 prior to completing this inspection group.													
	1. Inspect spinner and back plate for cracks.....	0	0	0	0		12. Inspect ignition harness and insulators (high tension leakage and continuity) (Read Notes 5 and 21).....	0	0	0	0		
	2. Inspect blades for nicks and cracks.....	0	0	0	0		13. Check magneto points for proper clearance (maintain clearance of 0.018 +/- 0.006 inch). (Read Note 5).....		0	0	0		
	3. Inspect for grease and oil leaks.....	0	0	0	0		14. Inspect magneto or oil seal leakage.....		0	0	0		
	4. Lubricate propeller per lubrication chart (Refer to Service Manual, Section II).....	0	0	0	0		15. Inspect breaker felts for proper lubrication.....		0	0	0		
	5. Inspect complete spinner and spinner mounting bulkheads, for security, chafing, cracks, deterioration, wear, and correct installation.....		0	0	0		16. Inspect distributor block for cracks, burned areas, or corrosion, and height of contact springs.....				0	0	
	6. Inspect propeller mounting bolts and safety (check torque if safety is broken) (Refer to Note 16).....		0	0	0		17. Check magneto-to-engine timing (Read Note 15).....		0	0	0		
	7. Inspect hub parts for cracks and corrosion.....		0	0	0		18. Overhaul or replace magnetos (Read Note 5).....					0	
	8. Rotate blades of propeller and check for tightness in hub pilot tube.....		0	0	0		19. Remove induction air filter and tap gently to remove all foreign particles (replace as required).....	0	0	0	0		
	9. Remove propeller and clean sludge from propeller and shaft.....			0	0		20. Clean injector nozzles (Clean with acetone only).....	0	0	0	0		
	10. Inspect complete propeller assembly for security, chafing, deterioration, wear, and correct installation.....		0	0	0		21. Inspect induction airbox valve operation and check for excessive wear or cracks; replace defective parts..		0	0	0		
	11. Overhaul propeller (See Notes 5 and 28).....		0	0	0		22. Inspect fuel injector attachments for loose hardware...		0	0	0		
B. ENGINE GROUP (CONTINENTAL)													
WARNING													
Read Notes 22, 4, and 28 before completing this inspection group. When working on engine, ensure that magneto primary circuits are grounded.													
	1. Remove the engine cowling.....	0	0	0	0		23. Inspect intake seals for leaks and clamps for tightness (Read Note 24).....		0	0	0		
	2. Clean and inspect cowling for cracks, distortion and loose or missing fasteners.....		0	0	0		24. Inspect all air inlet duct hoses (Replace as required)..		0	0	0		
	3. Drain oil sump while engine is still warm.....		0	0	0		25. Inspect condition of flexible fuel lines. (Replace all outdated or deteriorated hoses).....		0	0	0		
	4. Change full flow (spin-on type) oil filter element. (Thoroughly inspect element for foreign particles). Check oil level after installing new filter (Another check will be required after engine runup).....	0	0	0	0		26. Replace flexible fuel lines (Read Note 6).....					0	
	5. Inspect oil temperature sender unit for leaks and security.....		0	0	0		27. Clean gascolator bowl and screen.....	0	0	0	0		
	6. Inspect oil lines, hoses, and fittings for leaks, security, chafing, dents and cracks (Read Note 6).....	0	0	0	0		28. Inspect fuel system for leaks.....		0	0	0		
	7. Clean and inspect oil radiator cooling fins. Verify that there is no radiator damage.....		0	0	0		29. Inspect condition and operation of fuel pumps (engine driven and electric).....		0	0	0		
	8. Fill engine oil sump with oil per approved information on cowl, or lubrication chart. (Refer to Service Manual Section II).....		0	0	0		30. Overhaul or replace engine-driven fuel pumps (Read Note 5).....					0	
CAUTION													
DO NOT USE MULTIGRADE OIL until Hartzell Service Bulletin 142B has been compiled with.													
CAUTION													
Prior to cleaning engine, use caution not to contaminate vacuum pump with cleaning fluid. Cap all openings.													
	9. Clean engine, then (Read Note 29).....	0	0	0	0		31. Overhaul or replace electric fuel pump as required.....					0	
	10. Inspect condition of spark plugs. (Clean and adjust gap as required) (Read Note 8).....		0	0	0		32. Inspect hoses, wires, clamps, condition, and operation of vacuum pump(s) (engine-driven and auxiliary electrically-driven) (Read Note 25).....		0	0	0		
	11. Check cylinder compression, preferably with engine warm. (Read Note 12).....		0	0	0		33. Replace engine or electrically driven vacuum pump(s) (Read Note(s) 5 and 25).....					0	
							34. Inspect throttle, alternate air, mixture, and propeller controls for security, travel, and operating condition....		0	0	0		
							35. Inspect exhaust stacks, connections, and gaskets (Replace gaskets as required).....	0	0	0	0		
							36. Inspect breather tubes for obstructions and security....		0	0	0		
							37. Inspect crankcase for cracks, leaks, and security of seam bolts.....		0	0	0		
							38. Inspect engine mounts for cracks and loose mountings.....		0	0	0		
							39. Inspect rubber engine mount bushings for deterioration (replace as reqd.) or at engine overhaul.		0	0	0		
							40. Inspect all engine baffles and seals.....		0	0	0		
							41. Inspect fire wall seals.....		0	0	0		
							42. Inspect condition of alternator and starter.....		0	0	0		
							43. Inspect all lines, hoses, air ducts, electrical leads, and engine attachments for security, proper routing, chafing, cracks, deterioration and correct installation (Refer to latest Piper Service Bulletin 561).....	0	0	0	0		
							44. Check air conditioner compressor oil level (Read Note 13).....		0	0	0		
							45. Inspect condition and tension of compressor drive belt (Refer to Service Manual, Section XIV).....		0	0	0		
							46. Inspect security of compressor mounting.....		0	0	0		
							47. Inspect compressor clutch security, wiring, and condition.....		0	0	0		
							48. Check fluid in brake reservoir (Fill as required).....	0	0	0	0		
							49. Overhaul or replace propeller governor. (Refer to latest revision of Hartzell Service Letter 61).....					0	
							50. Complete overhaul of engine or replace with factory rebuilt. (Read Note 5).....						

Owner:

Circle Type of Inspection (See Note 2)					Inspector	Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0)					Inspector			
50	100	500	1000	Annual		50	100	500	1000					
DESCRIPTION						DESCRIPTION								
C. TURBOCHARGER GROUP (CONTINENTAL)														
<p align="center">WARNING</p> <p>Read Note 24 and 28 prior to completing this inspection group. Refer to latest revision of Service Bulletin 844.</p>														
1. Inspect all oil inlet ducting and compressor discharge ducting for worn spots, loose clamps, or leaks. (Read Note 24).....	0	0	0	0		13. Inspect spark plug harness leads and ceramics for corrosion and deposits.....					0	0	0	0
2. Inspect engine air inlet assembly for cracks, loose clamps, and screws.....	0	0	0	0		14. Check cylinder compression (Refer to latest revision of Lycoming Service Instruction 1042).....					0	0	0	0
3. Inspect exhaust ducting and exhaust stacks for tightness (Read Note 24).....	0	0	0	0		15. Inspect cylinders for cracked or broken fins (Read Note 10).....					0	0	0	0
4. Inspect exhaust heat exchanger.....	0	0	0	0		16. Inspect rocker box covers for evidence of oil leaks. If found, replace gasket(s); Torque cover screws 50 inch-pounds (Read Note 9).....					0	0	0	0
5. Carefully inspect all turbo support brackets, struts, etc., for damage, sagging, and wear.....	0	0	0	0		NOTE								
6. Inspect all oil hoses, lines, and fittings for wear, leakage, heat damage, and fatigue.....	0	0	0	0		Lycoming requires a valve inspection after every 400 hours of engine operation (Read Note 9)								
7. Inspect bypass valve for security and safety.....	0	0	0	0		17. Inspect ignition harness and insulators (High tension leakage and continuity tests).....					0	0	0	0
8. Run up engine, and check all instruments for smooth, steady response.....	0	0	0	0		18. Inspect magneto points for condition and proper clearance (Read Note 28) (Refer to Service Manual, Section VIII A).....					0	0	0	0
9. Remove all turbocharger components from the engine. Inspect and repair or replace as necessary. Inspect turbocharger rotor for excessive play, carbon and dirt deposits. (Refer to Troubleshooting Chart Section VIII of the Service Manual for rotor play limits. Remove and inspect turbine and compressor housings. Refer to Rotormaster A. D. Inspect turbine wheel and impeller for physical damage and excessive build up of deposits. If excessive, replace turbocharger assembly.....				0		19. Inspect magneto seals for oil leaks.....					0	0	0	0
						20. Inspect breaker felts for proper lubrication.....					0	0	0	0
						21. Inspect distributor block for cracks, burned areas, or corrosion and height of contact springs.....					0	0	0	0
						22. Check magnetos to engine timing.....					0	0	0	0
						23. Overhaul or replace magnetos (Read Note 5).....					0	0	0	0
						24. Remove air filter and tap gently to remove foreign dirt particles (Replace if required).....					0	0	0	0
						25. Clean fuel injector inlet line screen. Clean injector nozzles as required using acetone only.....					0	0	0	0
						26. Inspect condition of injector, alternate air door and box (Read Note 7).....					0	0	0	0
						27. Inspect vent lines for evidence of fuel or oil seepage.....					0	0	0	0
						28. Inspect intake seals for leaks and for tight clamps.....					0	0	0	0
						29. Inspect all air inlet duct hoses (Replace as required).....					0	0	0	0
						30. Inspect condition of flexible fuel lines (Replace all outdated or deteriorated hoses).....					0	0	0	0
						31. Replace flexible fuel lines (Read Note 5).....					0	0	0	0
						32. Clean gascolator bowl and screens.....					0	0	0	0
						33. Inspect fuel system for leaks.....					0	0	0	0
						34. Inspect condition and operation of fuel pump(s) (engine driven and electric).....					0	0	0	0
						35. Overhaul or replace fuel pump(s) (engine driven and electric) (Read Note(s) 5 and 28).....					0	0	0	0
						36. Inspect hoses, wire harnesses, clamps, and condition and operation of vacuum pump(s) (engine driven and auxiliary electric).....					0	0	0	0
						37. Overhaul or replace engine or auxiliary vacuum pump assemblies. (Read Note 5, 25, and 28).....					0	0	0	0
						38. Inspect throttle, alternate air, mixture, propeller, and governor controls for security, travel, and operating condition.....					0	0	0	0
						39. Inspect exhaust stacks, connections, and gaskets (Replace gaskets as required).....					0	0	0	0
						40. Inspect muffler system, heat exchange, and baffles (Refer to latest revision of Piper Service Bulletin 691).....					0	0	0	0
						41. Inspect breather tube for obstructions and security.....					0	0	0	0
						42. Inspect crankcase for cracks, leaks, and security of seam bolts.....					0	0	0	0
						43. Inspect engine mounts for cracks and loose mountings.....					0	0	0	0
						44. Inspect all engine baffles.....					0	0	0	0
						45. Inspect all wiring connected to engine or accessories.....					0	0	0	0
						46. Inspect rubber engine mount bushings for deterioration (Replace as reqd.) or at engine overhaul.....					0	0	0	0
						47. Inspect firewall seals.....					0	0	0	0
						48. Inspect condition and tension of alternator drive belt (Refer to Service Manual, Section XI; XIV, if air conditioner is installed).....					0	0	0	0
						49. Inspect alternator idler pulley (if installed); remove front grease seal and add grease. Refer to lubrication chart in Service Manual, Section II.....					0	0	0	0
D. ENGINE GROUP (LYCOMING)														
<p align="center">WARNING</p> <p>Read Note 3 and 28 before completing this inspection group. When working on engine, ensure that magneto primary circuits are grounded.</p>														
1. Remove engine cowl and inspect for damage.....	0	0	0	0										
2. Clean and inspect cowling for cracks, distortion, and loose or missing fasteners.....	0	0	0	0										
3. Drain oil sump while engine is still warm.....	0	0	0	0										
4. Clean oil suction and oil pressure strainers at oil change (Inspect strainers for foreign particles).....	0	0	0	0										
5. Change full flow (cartridge type) oil filter element (inspect element thoroughly for foreign particles).....	0	0	0	0										
6. Inspect oil temperature sender unit for leaks and security.....	0	0	0	0										
7. Inspect oil lines, hoses, and fittings for leaks, security, chafing, dents, and cracks (Read Note 6)	0	0	0	0										
8. Clean and inspect oil radiator cooling fins. Verify that there is no radiator damage.....	0	0	0	0										
9. Remove and flush oil radiator.....	0	0	0	0										
10. Fill engine with oil per lubrication chart in Service Manual, Section II.....	0	0	0	0										
<p align="center">CAUTION</p> <p>Prior to cleaning engine, use caution not to contaminate vacuum pump(s) with cleaning fluid. Cap all openings. (Refer to latest revision of Lycoming Service Instruction 1221).</p>														
11. Clean engine.....	0	0	0	0										
12. Inspect condition of spark plugs (clean and adjust gap as required (Refer to latest revision of Lycoming Service Instruction 1042).....	0	0	0	0										
<p align="center">NOTE</p> <p>If fouling of spark plugs are apparent, rotate bottom plugs to upper plugs, and vice versa.</p>														

Circle Type of Inspection (See Note 2)					Inspector	Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0)					
50	100	500	1000	Annual		DESCRIPTION	50	100	500	1000	Inspector
50.		0	0	0		10. Inspect for obstructions and contamination in inlet of backup landing gear extender actuator inlet head (if applicable) (Read Note 27).....	0	0	0	0	
51.		0	0	0		11. Inspect air conditioner system for Freon leaks.....		0	0	0	
52.		0	0	0		12. Check Freon charge in sight gauge of receiver-dehydrator (Refer to Service Manual, Section XIV.....	0	0	0	0	
53.		0	0	0		13. Inspect air conditioner condenser air scoop rigging...	0	0	0	0	
54.		0	0	0		14. Inspect fuel lines, hoses, valves, sender units, and gauges for damage and operation.....		0	0	0	
55.		0	0	0		15. Inspect security of all hoses and lines.....		0	0	0	
56.	0	0	0	0		16. Inspect vertical fin and rudder surfaces for damage..		0	0	0	
57.		0	0	0		17. Inspect rudder hinges, horn, and attachments for damage and operation.....		0	0	0	
58.		0	0	0		18. Inspect vertical fin attachments.....		0	0	0	
59.		0	0	0		19. Inspect rudder hinge bolts for excess wear (Replace as required).....		0	0	0	
60.	0	0	0	0		20. Inspect rudder control stops to ensure stop has not become loose and jamb nut is tight.....		0	0	0	
E. CABIN GROUP						21. Inspect stabilator surfaces for damage.....		0	0	0	
WARNING						22. Inspect stabilator, tab hinges, horn, and attachments for damage and operation.....		0	0	0	
Read Note 28 before completing this inspection group.						23. Inspect stabilator attachments (Refer to latest revision of Piper Service Bulletin 856).....		0	0	0	
1.		0	0	0		24. Inspect stabilator and trim tab hinge bolts and bearings for excessive wear (Replace as required)....		0	0	0	
2.		0	0	0		25. Inspect stabilator control stops to ensure stop has not become loose and that the jamb nut is tight.....		0	0	0	
3.		0	0	0		26. Inspect stabilator trim mechanism.....		0	0	0	
4.		0	0	0		27. Check all cable tensions (Use tensiometer) (Read Note 17).....		0	0	0	
5.		0	0	0		28. Inspect aileron, rudder, stabilator, stabilator trim cables, turnbuckles, guides and pulleys for safety, damage, and operation (Read Note 23).....		0	0	0	
6.		0	0	0		29. Clean and lubricate stabilator trim drum screw (Refer to lubrication chart in Service Manual, Section II.....		0	0	0	
7.		0	0	0		30. Inspect stabilator balance weight attachments and arm for security and condition.....		0	0	0	
8.	0	0	0	0		31. Inspect emergency locator transmitter battery for replacement date per Service Manual (Read latest revision of Piper Service Letter 820).....		0	0	0	
9.		0	0	0		32. Clean and lubricate all exterior needle bearings.....		0	0	0	
10.		0	0	0		33. Lubricate per lubrication chart in Service Manual, Section II.....	0	0	0	0	
11.		0	0	0		34. Inspect rotating beacon for security and operation...		0	0	0	
12.		0	0	0		35. Inspect security of autopilot bridle cable clamps..... (Read Note 23).....		0	0	0	
13.		0	0	0		36. Inspect all control cables, air ducts, electrical leads, harnesses, lines, radio antenna leads, and attaching parts for security, routing, chafing, deterioration, wear, and correct installation (Read Note 23).....		0	0	0	
14.		0	0	0		37. Install inspection plates and panels.....		0	0	0	
15.		0	0	0							
16.		0	0	0							
17.		0	0	0							
18.		0	0	0							
F. FUSELAGE AND EMPENNAGE GROUP						G. WING GROUP					
WARNING						WARNING					
Read Note 28 before completing this inspection group.						Read Note 28 before completing this inspection group.					
1.		0	0	0		1. Remove inspection plates and fairings.....		0	0	0	
2.		0	0	0		2. Inspect surfaces and tips for damage, loose rivets, and condition of wing walkway.....		0	0	0	
3.		0	0	0		3. Inspect aileron hinges and attachments.....		0	0	0	
4.	0	0	0	0		4. Inspect aileron balance weight and arm for security and condition.....		0	0	0	
5.		0	0	0		5. Inspect aileron cables, pulleys, and bellcranks for damage and operation (Read Note 23).....		0	0	0	
6.		0	0	0		6. Inspect aileron control stops to ensure stops have not become loose and that locknuts are tight.....		0	0	0	
7.		0	0	0		7. Inspect flaps and attachments for damage and operation.....		0	0	0	
8.	0	0	0	0		8. Inspect condition of bolts used with hinges (Replace as required).....		0	0	0	
9.		0	0	0							

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50	100	500	1000	Annual		DESCRIPTION	50	100	500	1000						
H. LANDING GEAR GROUP WARNING Read Note 28 before completing this inspection group.						I. OPERATIONAL INSPECTION										
9. Lubricate per lubrication chart in Service Manual Section II.....						0	0	0	0	0	1. Check fuel pump and fuel tank selector.....					
10. Inspect wing attachment bolts and brackets (Refer to Piper Service Bulletin(s) 789A and 886).....						0	0	0	0	0	2. Check fuel quantity, pressure, and flow indications.....					
11. Inspect fuel tanks and lines for leaks, water, and contamination.....						0	0	0	0	0	3. Check oil pressure and temperature indications.....					
12. Ensure that fuel tanks are marked for minimum octane rating.....						0	0	0	0	0	4. Check alternator performance.....					
13. Inspect the fuel cell vents for obstructions.....						0	0	0	0	0	5. Check manifold pressure indications.....					
14. Inspect all control cables, air ducts, electrical leads, hoses, lines, and attaching parts for security, routing, chafing, deterioration, wear, and correct installation (Read Note 23).....						0	0	0	0	0	6. Check alternate air operation.....					
15. Install inspection plates and fairings.....						0	0	0	0	0	7. Check parking brake.....					
1. Inspect oleo struts for proper extension (Refer to Service Manual, Section VII) (check all fluid and air levels as required).....						0	0	0	0	0	8. Check engine driven vacuum gauge indication.....					
2. Inspect nose gear steering control and travel.....						0	0	0	0	0	9. Check gyros for noise and roughness.....					
3. Inspect wheels for alignment.....						0	0	0	0	0	10. Check cabin heater operation.....					
4. Lift aircraft on jacks (Refer to Service Manual, Section II).....						0	0	0	0	0	11. Check magneto switches operation.....					
5. Inspect tires for cuts, uneven or excessive wear, and slippage.....						0	0	0	0	0	12. Check each magneto RPM variation; drop etc.....					
6. Remove wheels; clean, inspect, and repack bearings.						0	0	0	0	0	13. Check throttle and mixture operation.....					
7. Inspect wheels for cracks, corrosion, and broken bolts						0	0	0	0	0	14. Check propeller operation and smoothness.....					
8. Check tire pressure (Refer to Service Manual, Section II).....						0	0	0	0	0	15. Check propeller governor operation and reaction.....					
9. Inspect brake linings and disc.....						0	0	0	0	0	16. Check engine idle.....					
10. Inspect brake backing plates.....						0	0	0	0	0	17. Check electronic equipment operation.....					
11. Inspect brake and hydraulic lines for leaks, loose fittings, or cracks.....						0	0	0	0	0	18. Check automatic pitch trim, and manual/electric trim operation (Read Note 20).....					
12. Inspect shimmy dampener.....						0	0	0	0	0	19. Check air conditioner compressor clutch operation...					
13. Inspect gear forks for damage.....						0	0	0	0	0	20. Check air conditioner condenser scoop operation.....					
14. Inspect oleo struts for fluid leaks and scoring.....						0	0	0	0	0	21. Check landing gear system (Read Note 14).....					
15. Inspect gear struts, attachments, torque links, retraction links, and bolts for condition and security...						0	0	0	0	0	22. After shutdown, check auxiliary electric driven vacuum gauge indication.....					
16. Inspect downlock for operation and adjustment (Read Note 18).....						0	0	0	0	0	J. GENERAL					
17. Inspect torque link bolts and bushings (Rebush as required).....						0	0	0	0	0	1. Aircraft conforms to all FAA specifications.....					
18. Inspect drag and side brace link bolts (Replace as required).....						0	0	0	0	0	2. All FAA Airworthiness Directives complied with...					
19. Inspect gear doors and attachments.....						0	0	0	0	0	3. All manufacturers service bulletins and letters complied with.....					
20. Check warning horn and light for operation.....						0	0	0	0	0	4. Check for proper flight manual.....					
21. Retract gear; check operation and inspect doors for clearance and operation.....						0	0	0	0	0	5. Aircraft papers in proper order.....					
22. Inspect operation of back-up gear extender system (If not disabled) (Read Piper Service Bulletin 866a) (Read Note 27).....						0	0	0	0	0						
23. Inspect actuating cylinders for leaks and security.....						0	0	0	0	0						
24. Inspect all hydraulic lines, hoses, electrical leads, and attaching parts for security, routing, chafing, deterioration, wear, and correct installation (Read latest revision of Piper Service Letters 808 and 810).....						0	0	0	0	0						
25. Inspect position indicator switch and electrical leads for security.....						0	0	0	0	0						
26. Lubricate per lubrication chart in Service Manual, Section II).....						0	0	0	0	0						
27. Ensure landing gear is down and locked; remove airplane from jacks.....						0	0	0	0	0						

NOTES:

1. Refer to last card of the Piper Price List - Aerofiche, for a checklist of current revision dates to Piper Inspection Reports and Manuals.
2. **Piper service bulletins are of special importance and Piper considers compliance mandatory.** Piper service letters are product improvements and service hints pertaining to servicing the airplane and should be given careful attention.
3. Inspections given for the Lycoming powerplant are based on the engine manufacturer's operator's manual (Lycoming Part No. 60297-12) for this airplane, dated August 1973. Any changes issued to the engine manufacturer's operator's manual after this date shall supersede or supplement the inspection outlined in this report.
4. Inspections given for the (Continental Part No. X-30512) for this airplane, dated June 1976. Any changes issued to the engine manufacturer's operator's manual after this date shall supersede or supplement the inspection outlined in this report.
5. Replace as required or at engine overhaul. (Refer to latest revision of Hartzell Service letter 61.) For engine overhaul, refer to latest revision of one of the following: Lycoming Service Instructions No. 1009, for recommended engine overhaul period, or Continental Service Bulletin M86-6 Rev. 1, for recommended engine overhaul period.
6. Replace flexible oil hoses at three calendar years or 1000 hours, whichever occurs first.
7. Check throttle body attaching screws for tightness; the correct torque for these screws is 40 to 50 inch-pounds.
8. Rotate spark plugs from upper to lower positions and vice-versa to lengthen plug service life.
9. At every 400 hours of engine operation, remove the rocker box covers and check for freedom of valve rockers when valves are closed. Look for evidence of abnormal wear or broken parts in the area of the valve tips, valve keepers, springs and spring seats. If any indications are found, the cylinder and all of its components must be removed (including the piston and connecting rod assembly) and inspected for further damage. Replace any parts that do not conform with limits shown in the latest revision of Lycoming's Service Table of Limits No. SSP1776.
10. Check cylinders for evidence of excessive heat which is indicated by burned paint on the cylinders. This condition is indicative of internal damage to cylinder(s) and, if found, its cause must be determined and corrected before the aircraft is returned to service. Heavy discoloration and appearance of seepage at the cylinder head barrel attachment area is usually due to emission of thread lubricant used during assembly of the barrel at the factory, or by slight gas leakage which stops after the cylinder has been in service for awhile. This condition is neither harmful nor detrimental to engine performance and operation. If it can be proven that leakage exceeds these conditions, the cylinder must be replaced.
11. If the altimeter is damaged, defective or inaccurate, work must be done by an FAA approved instrument repair facility only. A logbook entry must be made.
12. Refer to latest revision of Continental Motors Service Bulletin M84-17.
13. The compressor oil level should not be checked unless the system has been opened, or a Freon leak occurred which requires an addition of Freon to the system.
14. Aircraft must be flown to check the landing gear system in accordance with instructions outlined in Section VI, of the Service Manual. (Refer to latest revision of Piper Service Bulletin 610).
15. For operation above 12,000 feet, more frequent ignition system maintenance is required. (Refer to latest revision of Continental Service Bulletin M78-8).
16. On Continental installations check torque of mounting bolts.
17. Maintain cable tensions specified in Section V of this Service Manual.
18. Refer to latest revision of Piper Service Bulletin 578.
19. Inspect brushes every 100 hours if airplane is used for training or every 500 hours if used for normal service.
20. Refer to flight manual supplement for preflight and flight check, for intended function in all modes.
21. Refer to latest revision of Bendix Service Bulletin 612 for inspection of magneto and ignition harnesses.
22. Refer to latest revision Teledyne Continental Service Bulletin M86-11.
23. Examine cables for broken strands by wiping the cable along the length of the cable. Visually check for damage. Replace all damaged cables. Refer to latest revision of Advisory Circular 43.13.
24. Piper Service Bulletin 884 compliance requires lock wiring of V-band couplings.
25. Latest models, S/N's 2837001 (PA-28R 201) and S/N's 2803001 (PA-28R-201T) are equipped with auxiliary electric backup vacuum systems that require replacement after 500 hours of operation time.
26. Piper Service Bulletin 896 compliance requires installation and usage of shoulder harnesses.
27. Refer to latest revision of Piper Service Bulletin 866a. Aircraft S/N's 2837001 (PA-28R-201) and up, and S/N's 2803001 (PA-28R-201T) and up, have no backup extender system in the landing gear system installed as standard equipment.
28. When servicing or inspecting vendor equipment installed in Piper aircraft, it is the user's responsibility to refer to the applicable vendor service publications.
29. Ensure after cleaning engine that all rod end bearings are lubricated with at least 3 drops of 100W motor oil.

Signature of Mechanic or Inspector

Certificate No.:

Date

Total Time On Airplane: