SCHEDULED MAINTENANCE.

11.1

PERIODIC INSPECTIONS.

- NOTE -

Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0).

Nature of Inspection	Insp	ection	Time (hrs)			
A. PROPELLER GROUP	50	100	500	1000		
I. Inspect spinner and back plate	00	0	0	0		
broken)		0	0	0		
No. 855, Part IV)		0	0	0		
cracks, deterioration, wear and correct installation (See Note 25) 6. Recondition propeller (See Note 17)		0	0	0		
B. ENGINE GROUP						
NOTE: Read Note 5 prior to completing this inspection group. CAUTION: Ground Magneto Primary Circuit before working on engine.						
 Remove engine cowl and inspect for damage	0	0	0	0		
fasteners	0	0	0	0		
particles)	0	0	0	0		
foreign particles)	0	0	0	0		
(See Note 8)	0	0	0	0		
9. Fill engine with oil per lubrication chart in Chapter 12	0	0	0	0		
leaks after shutdown		0	0	0		

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PERIODIC INSPECTIONS. (cont)

- NOTE -

Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0).

Nature of Inspection		ection	Time (hrs)			
Nature of Inspection	50	100	500	1000		
B. ENGINE GROUP (cont)	-		300			
12. Inspect condition of spark plugs (Clean and adjust gap as required, adjust per latest revision of Lycoming Service Instruction No. 1042) NOTE: If fouling of spark plugs has been apparent, rotate bottom plugs to upper plugs.		0	0	o		
13. Inspect spark plug cable leads and ceramics for corrosion and deposits 14. Check cylinder compression (Ref: AC 43.13-1A) 1) /80 2) /80	0	0	0	0		
3) /80 4) /80		0 0	000	000		
17. Inspect rocker box covers for evidence of oil leaks. If found, replace gasket; torque cover screws 50 inch-pounds (See Note 10)	o	0	0	ο .		
continuity	:	0	0	0		
21. Remove air filter and tap gently to remove dirt particles (Replace as required)	0000 0	000000	0000000	00000000		
29. Inspect fuel system for leaks	0	0	0	Ö		
pump and electric) (See Note 16)	0	0	0	0		
days)	0	0	0	0 0		

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PERIODIC INSPECTIONS. (cont)

- NOTE -

Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0).

Nature of Inspection		Insp	ection	Time (hrs)			
D	ENGINE GROUP (cont)	50	100	500	1000		
B .	ENGINE GROUF (com)						
]	Inspect throttle, carburetor heat, and mixture controls for travel and operating conditions		0	0	0		
	Inspect exhaust stacks, connections and gaskets (Replace gaskets as		_				
38	required)		0	0	0		
39. 40.	Inspect breather tube for obstructions and security		0	00	0		
	Inspect engine mounts for cracks, condition and loose mountings (See Note 24)		0	00	0		
	Inspect all wiring connected to the engine or accessories	0	0	0	0		
45.	Inspect rubber engine mount bushings for deterioration (Replace as required)		0	0	O O		
46.	Inspect condition and tension of alternator drive belt (Refer to Chapter 24)		0	o	0		
	Inspect condition of alternator and starter		0	0	0		
	Inspect security of alternator mounting		0	0	0		
	Check fluid level in brake reservoir (Fill as required)	0	0	0	0		
51.	Lubricate all controls (Refer to Chapter 12)		0		O		
52.	Inspect battery, box and cables (Inspect at least every 30 days.						
53.	Flush box as required and fill battery)		0	0	0		
c.	CABIN GROUP			٠.			
	Inspect cabin entrance, doors and windows for damage and operation		0	0	0		
	Inspect upholstery for tears		0	0	0		
	Inspect seats, seat belts for security of brackets and bolts		0	0	0		
	Inspect elevator trim operation	ſ	0	0	0		
	Inspect parking brake and brake handle for operation and cylinder						
0.	leaks	Ì	0	0	0		

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PERIODIC INSPECTIONS. (cont)

- NOTE -

Perform all inspections or operations at each of the inspection intervals as indicated by a circle (O).

	Inspe	ction	Time	(hrs)
Nature of Inspection	50	100	500	1000
C. CABIN GROUP (cont)				
7. Inspect control wheels, column, pulleys and cables for proper operation (See Note 15)		0	0	0
10. Inspect instruments, lines and attachments	0	0	0	0
11. Inspect gyro operated instruments and electric turn and bank (Overhaul or replace as required)		0	0	0
air filter		0	0	0
FAR 91.170 if appropriate) 15. Check operation of fuel selector valve (See Note 26) 16. Inspect condition of heater controls and ducts 17. Inspect condition and operation of air vents	0	0 0 0 0	00000	0 0 0 0
D. FUSELAGE AND EMPENNAGE GROUP				
1. Remove inspection plates and panels 2. Inspect electronic installations 3. Inspect bulkheads and stringers for damage 4. Inspect antenna mounts and electric wiring 5. Inspect fuel lines, valves, and gauges for damage and operation 6. Inspect security of all lines 7. Inspect vertical fin and rudder surfaces for damage 8. Inspect rudder hinges, horn and attachments for damage and operation (See Note 23). 9. Inspect vertical fin attachments (See Notes 18 and 19) 10. Inspect rudder hinge bolts for excess wear (Replace as required) 11. Inspect elevator and stabilizer surfaces for damage (See Note 13) 12. Inspect elevator, horn and attachments for damage and operation 13. Inspect elevator balance weight for security and operating clearance		0000000 00000 00	0000000 00000 00	0000000 00000 00
 14. Inspect horizontal surface attachments (See Note 19)		0	0	0

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PERIODIC INSPECTIONS. (cont)

- NOTE -

Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0).

Nature of Inspection	Insp	ection	on Time (hrs)			
·	50	100	500	1000		
D. FUSELAGE AND EMPENNAGE GROUP (cont)						
16. Inspect emergency locator transmitter battery for replacement date or time per Chapter 23 of Maintenance Manual (See latest revision of Piper Service Letter No. 820)		0	0	0		
pulleys for safety, damage and operation	0	0000	0000	0 0 0		
 22. Inspect all control cables, air ducts, electrical leads, lines, radio antenna leads and attaching parts for security, routing, chafing, deterioration, wear, and correct installation		0	0	0		
E. WING GROUP						
Remove inspection plates and fairings		0	0	0		
walk-way 3. Inspect aileron hinges and attachments 4. Inspect aileron balance wieght for security and operating		0 0	0	0		
clearance 5. Inspect aileron cables, pulleys and bellcranks for damage and operation 6. Inspect flaps and attachments for damage and operation 7. Inspect flap hinges and attachments	0	0 0 0 0	0 0 0 0	0 0 0 0		
9. Visually inspect wing attachment bolts and fittings for any indication of movement between nuts and bolts (See Note 20)		0	0	0		
between nuts and bolts (See Note 20). 11. Inspect fuel tanks and lines for leaks and water		0 0 0	0000	0 0 0 0		
installation		0	0	0		

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PERIODIC INSPECTIONS. (cont)

- NOTE -

Perform all inspections or operations at each of the inspection intervals as indicated by a circle (O).

Manual Control of the	Inspection Time (hrs)		(hrs)	
Nature of Inspection	50	100	500	1000
E. WING GROUP (cont.) 16. Reinstall inspection plates and fairings		0	0	0
F. LANDING GEAR GROUP 1. Inspect nose gear oleo strut for proper extension per Chapter 32 (Check fluid level as required)	O	0	0	0
2. Inspect nose gear oleo struts for fluid leaks and scoring 3. Put airplane on jacks 4. Inspect nose gear steering control and travel 5. Inspect tires for cuts, uneven or excessive wear and slippage 6. Remove wheels, clean, inspect and repack bearings 7. Inspect wheels for cracks, corrosion and broken bolts 8. Check tire pressure per Chapter 6 9. Inspect brake lining and disc for condition and wear 10. Inspect brake backing plates for condition and wear 11. Inspect brake lines	0	000000000	0000000000	0000000000
 12. Inspect main gear legs, attachments, and bolts for condition and security		0	0	0
chafing, deterioration, wear, and correct installation 14. Inspect wheels for alignment 15. Inspect nose gear fork for damage 16. Inspect nose gear torque links and bolts for wear 17. Lubricate per lubrication chart 18. Remove airplane from jacks		00000	00000	00000
H. OPERATIONAL INSPECTION				
1. Check fuel pump and fuel tank selector 2. Check fuel quantity and pressure readings (See Note 14) 3. Check oil pressure and temperature 4. Check alternator output 5. Check carburetor heat 6. Check compass	0	00000	000000	00000

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PERIODIC INSPECTIONS. (cont)

- NOTE -

Perform all inspections or operations at each of the inspection intervals as indicated by a circle (0).

Elizabeth State of the State of	Insp	ection	Time	(hrs)
Nature of Inspection	50	100	500	1000
H. OPERATIONAL INSPECTION (cont.)				
7. Check parking brake 8. Check vacuum gauge 9. Check gyros for noise and roughness 10. Check cabin heater operation 11. Check magneto switch operation 12. Check magneto RPM variation 13. Check throttle and mixture operation 14. Check engine idle 15. Check electronic equipment operation	00000000	00000000	00000000	00000000
I. GENERAL		٠,٠		
1. Aircraft conforms to FAA Specification 2. All FAA Airworthiness Directives complied with 3. All Manufacturers Service Bulletins and Letters complied with 4. Check for proper Flight Manual 5. Aircraft papers in proper order	00000	00000	00000	00000

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