

N 1666F

100 HR / ANNUAL INSPECTION
CHECKLIST

Date 6-12-03

Owner Carl P. Pina Aircraft Model C-172 D
E.L.T. Battery Replacement Due Apr 04

Tach. T. 5397.2
Ser. #

- A. PRE-INSPECTION RUN-UP B. Remove all necessary plates and covers, cowlings, and seats. Wash down engine

POWERPLANT

1. Cylinder Compression 1 2 3 4 5 6
2. Magneto Timing
3. Drain Oil
4. Check all lines, hoses, & clamps
5. Inspect oil screen or filter
6. Clean oil pump suction screen (Lyc.)
7. Install clean oil
8. Drain and clean carburetor inlet screens
9. Check induction system
10. Check exhaust system
11. Check rubber engine mounts
12. Alternator/Generator belts, brushes, security & wiring
13. Remove spark plug and note deposits
14. Clean, gap, lube, and reinstall plugs
15. Starter and ring gear
16. Cyl. baffle and baffle seal
17. Cowling and cowl flaps
18. Induction air filter
19. Ignition system wiring
20. Vacuum system pump & lines
21. Engine accessories for security and leaks
22. Engine controls for springback

PROPELLOR

1. Spinner and back plates
2. Blades (Dress if necessary)
3. Paint face black if needed
4. Prop governor control
5. Blades for looseness in hub
6. Check blade track

CONTROL SYSTEM

1. Check controls for freedom of movement
2. Aileron controls
3. Aileron trim controls
4. Elevator controls
5. Elevator trim controls
6. Rudder controls
7. Rudder trim controls
8. Flap controls
9. Check cable tensions - all controls

WINGS

1. Skin / Fabric
2. Interior structure (check rib stitching and for nests)
3. Cables, pulleys, and push-pull tubes and rod ends
4. Aileron (balance w. hinges)
5. Flaps
6. Leading edge
7. Tank boost pump & quantity X-mitter
8. Lights, wiring, & power supply
9. Lines (fuel, hyd., pneumatic)
10. Attach bolts and lift strut bolts
11. External struts and wing supports

AFT FUSELAGE

1. Skin/Fabric
2. Control surfaces
3. Bulkheads, longerons & other structures
4. Tailwheel attach. & steering cables
5. Control systems hinge bearings
6. Control horns, cable attach. & stops
7. Stabilizer attach. fittings, bolts & spars
8. Cables, pulleys, tubes & rod ends
9. External struts and wires
10. Static discharge wicks & bonding wire

CABIN

1. Skin / Fabric ☒
2. Structure (wing carry-through & attach.) ☒
3. Check for uncleanness, loose equipment or hardware that might foul the controls ☒
4. Cables, pulleys and push-rods ☒
5. Brake cylinders & plumbing ☒
6. Rudder & Brake pedals (toe, heel, &/or hand) ☒
7. Control yolk/stick ☒
8. Security & mounting of instruments ☒
9. Instrument plumbing, filters & wiring ☒
10. Circuit breakers, bus bar ☒
11. Radios, instruments & placards ☒
12. Windshields & windows ☒
13. Main & baggage doors ☒
14. Seats, seat rails, & safety restraint belts ☒
15. Canopy ☒
16. Stall warning system ☒

MAIN GEAR & BRAKES

1. Wheels and tires ☒
2. Wheel bearings & brakes ☒
3. Struts &/or springs ☒
4. Gear doors & hinges ☒
5. Wheel pants ☒

NOSE GEAR

1. Wheel & tire ☒
2. Wheel bearing ☒
3. Struts &/or springs ☒
4. Steering linkage & shimmy dampner ☒
5. Wheel pants ☒

FUEL SYSTEM

1. Fuel strainers ☒
2. Fuel selector valve & linkage ☒
3. Fuel tanks, vents, caps & placards ☒
4. Engine fuel system filters ☒
5. Fuel header tank drain ☒

LANDING GEAR RETRACK SYS.

1. Warning horn & safety system ☐
2. Retract test & emergency extension system (5 times) ☐
3. Check door fit ☐
4. Transition & down lights ☐
5. Security of gear legs & play in side braces or drag brace ☐
6. Check wiring micro-switches ☐
7. Check gear saddles on Cessna's ☐

ELECTRICAL SYSTEM

1. Battery box & connections ☒
2. Battery fluid level ☒
3. Wiring bundles & conduit ☒
4. All electrical & avionics equipment for correct installation & operation ☒
5. Bonding, grounding & shielding wires ☒
6. Antennas ☒
7. All lights & flashers ☒

POST 100 HR. /ANNUAL RUN-UP

1. Oil pressure ☐
2. Alternator/generator output ☐
3. Magnetos ☐
4. Cycle Prop ☐
5. Fuel flow & pressure ☐
6. Idle speed & mixture ☐
7. After shut-down check for leaks ☐
8. Check cowling, gear doors, panels, & plates for security ☐

PAPERWORK COMPLETE

1. Air worthiness certificate ☐
2. Registration (Federal) ☐
3. Weight & balance ☐
4. Equipment list ☐
5. Flight manual ☐
6. Placards ☐
7. Compass card ☐
8. A.D. Note Compliance ☐
9. Radio station license ☐

BIT 9052 211.0 April 04