

AIR TRACTOR, INC.

Olney, Texas

PREFLIGHT, WALK-AROUND INSPECTION:

Visual inspection of the exterior of your AT-502B should become an important routine procedure. A suggested path would be to start at the baggage door location and walk clockwise around the aircraft.

The following items should be checked:

1. Cockpit Check - Control Lock - OFF
2. See that the baggage door is closed and fastened.
3. Check booms and fittings for leaks. Check mounting brackets.
4. Lift up on trailing edge of flap to see that it is secure.
5. Move left-hand aileron briskly up and down to check for looseness.
6. Check aileron counterweight for security.
7. Inspect tip and leading edge for damage.
8. Inspect fuel vent tube.
9. Lift cover from pitot tube and inspect.
10. Remove left-hand fuel cap and visually check fuel level.
11. Drain left wing fuel sump, drain header tank sump and valve sump.
12. Check spray plumbing and valve for leaks and loose connections.
13. Inspect left-hand gear leg connection at fuselage.
14. Inspect left-hand wheel, brake condition, and tire inflation (50-52 psi).
15. Open door in top cowl and check oil level. Should not be more than 2 quarts (1.89 liters) below "Full" mark.
16. Remove tether from prop. Inspect prop blades for nicks or cracks.
17. Rotate prop briskly and listen for any unusual rubbing noise.
18. Check cowling for any unfastened Camlocs.
19. Check air intake for foreign objects.
20. Remove exhaust covers.
21. Inspect right-hand gear leg at fuselage connection.
22. Inspect right-hand wheel and brake and check tire inflation.
23. Remove right-hand fuel cap and visually check fuel level.
24. Drain right-hand wing fuel sump.
25. Inspect right hand wing leading edge and tip for damage.
26. Inspect right-hand wing tank vent.
27. Inspect right-hand aileron same as left-hand.

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28. Check right-hand boom for leaks and security.
29. Check right-hand flap by lifting up on trailing edge.
30. Inspect fuselage skins for any unfastened Camlocs.
31. Inspect static port - clear of obstructions.
32. Inspect right-hand stabilizer and strut.
33. Test stabilizer for security by lifting up on leading edge.
34. Check forward end of tail spring for security.
35. Inspect right-hand elevator and move up and down to check security.
36. Check right-hand and left-hand elevator trim tabs for security and check linkage.
37. Inspect rudder on both sides and move from stop to stop to check security. Check for visible signs of chafing of the rudder cables and cable attachments.
38. Inspect rudder boost tab for security, freedom of movement and linkage.
39. Inspect tail spring attachment to fuselage.
40. Inspect tail wheel fork housing and attachments to spring.
41. Check for proper tail wheel tire inflation (50 psi).
42. Check for broken centering springs.
43. Check tail wheel lock by lifting plunger by hand.
44. Check left-hand elevator by moving up and down to test security.
45. Inspect left-hand stabilizer and strut and check for security by lifting up on stabilizer leading edge.
46. Inspect for unfastened Camlocs on L/H side of aircraft.
47. Inspect static port - clear of obstructions.
48. Be sure tie-down ropes have been untied and wheel chocks removed.
49. Note wind velocity. If a strong wind is blowing directly into exhaust pipes, lift up on tail wheel lock pin and position aircraft with nose into the wind.
50. Check ground under propeller for loose rocks or material that could damage propeller blades when starting.
51. Check behind aircraft to see that path is clear.
52. Open hopper lid, check inside hopper and check lid gasket.
53. Hopper Lid - CLOSED. Windshield Wiper - SECURE. Hopper Latch - SECURE.
54. If crew member is to be carried in optional loader seat, before entering cockpit check to see that crew member has attached seat belt and shoulder harness, adjusted them properly, and is wearing D.O.T. approved or Mil-Spec crash helmet.

Check to see that firewall-forward hopper rinse tank is filled with water, and/or that fuel quantity is at appropriate level to insure that aft C.G. limit or weight limit is not exceeded.

Close and latch crew compartment door.

SAFETY PRECAUTIONS BEFORE STARTING:

1. Test brakes and set parking brake: ON: (Depress Pedals and Pull Lever).
2. Position trim lever in green arc.
3. Set altimeter.
4. Check rudder pedal position for a comfortable setting.
5. Check all circuit breakers - IN.