**Cessna T182T – N6025F**

Operating Checklist

**BEFORE EXTERIOR CHECK**

1. Aircraft Papers (AROW) Check
2. Progressive Inspections & AD’s Current
3. Transponder Inspection Current
4. ALT/Static Systems IFR/Current
5. VOR Receivers IFR/Current
6. Fire Extinguisher Current
7. Control Lock (place in pilot-side pocket) Remove
8. Avionics Master/Electrical Switches (except beacon) OFF
9. Ignition Switch OFF/Key Out
10. Master Switch ON
11. Exterior Lights (night flight only) Check/OFF
12. Fuel Quantity Gauges and Selector Check/BOTH
13. Wing Flaps DOWN
14. Annunciators (volts/vacuum/fuel/oil-flashing) Check
15. Master Switch OFF
16. Trims SET T/O
17. Fuel Shutoff IN
18. Alternate Static Source Cycle
19. Adjust Seats/Seat Backs Check/Set

**EXTERIOR CHECK**

1. Left Landing Gear Check
2. Baggage Door Check/Open
3. Autopilot Static Source Check
4. Left Side Fuselage & Belly Check
5. Left Vertical Stabilizer Check
6. Left Horizontal Stabilizer Check
7. Left Elevator Check
8. Rudder Check
9. Tail Tie-Down Remove
10. Right Vertical Stabilizer Check
11. Right Elevator & Trim Check
12. Right Horizontal Stabilizer Check
13. Right Side Fuselage and Belly Check
14. Antennas Check
15. Right Landing Gear Check
16. Right Wing Flap Check
17. Right Aileron Check
18. Right Wing Tip & Lights Check
19. Right Wing Check
20. Right Wing Tie-Down Remove
21. Right Wing Strut Check
22. Right Side Air Vents Check
23. Windshield Check/Clean
24. Right Side Engine Cowl & Exhaust Stack Check
25. Propeller Spinner Check
26. Propeller Check
27. Alternator Belt Check
28. Nacelle Openings Check
29. Engine Air Inlet & Filter Check
30. Oil Sump Air Inlet Check
31. Nose Wheel & Strut Assembly Check
32. Cowl Flaps Check
33. Left Side Engine Cowl Check
34. Flight Instruments Static Port Check
35. Left Side Air Vents Check
36. Left Wing Tie-Down Remove
37. Left Wing Strut Check
38. Pitot Tube (remove cover, place in pilot-side pocket) Remove
39. Stall Warning Orifice Check
40. Fuel Air Vent Check
41. Landing/Taxi Lights Check
42. Left Wing Check
43. Left Wing Tip/Lights Check
44. Left Aileron Check
45. Left Wing Flap Check

**AIRPLANE FLUIDS CHECK**

1. Baggage Compartment Get Tools
2. Left Wing Fuel Sumps (5) Sample
3. Right Wing Fuel Sumps (5) Sample
4. Belly Fuel Sump (3) Sample
5. Right Fuel Tank (use stick) Check Quantity
6. Right Fuel Tank Filler Cap Secure
7. Oil Quantity (max 8 quarts…add at 4 or below only) Check
8. Oil Dip Stick (if oil is needed, full quarts only – no partial) Secure
9. Engine Hatch Close
10. Left Fuel Tank (use stick) Check Quantity
11. Left Fuel Tank Filler Cap Secure
12. Baggage Compartment (replace tools) Close & Lock

**ENGINE START CHECK**

1. Passenger Briefing Complete
2. Charts, Plates, Logs, Runway Diagram Review/Organize
3. Seat Belts Adjust & Fasten
4. Doors & Windows Close & Lock
5. Fuel Selector Handle BOTH
6. Circuit Breakers Check In
7. Rotating Beacon ON
8. STBY Battery Switch ON/ARM
9. Avionics Switch OFF
10. Cowl Flaps OPEN
11. Engine Start **(No fuel pump if hot)**
    1. Mixture RICH
    2. Throttle Open ¼ inch
    3. Master Switch ON
    4. Propeller Area “CLEAR”
    5. Fuel Pump ON UNTIL FUEL FLOW STABLE
    6. Mixture IDLE CUTOFF
    7. Brakes ENGAGE
    8. Ignition Switch ENGAGE
    9. Mixture ADVANCE
    10. Throttle 1,000 RPM
    11. Oil Pressure Check/Green
    12. Mixture Lean for Taxi

**BEFORE TAXI CHECKLIST**

1. Avionics Master Switch ON
2. Wing Flaps UP
3. STBY Battery Switch Check/ON
4. COM & NAV Radios ATIS ON/Set
5. Barometric Pressure/Altimeter Check/Set
6. Transponder Check/Set
7. Interior/Exterior Lights As Required
8. Radio Calls Complete

**TAXI CHECK**

1. Brakes Both Sets/Check
2. Taxi Lights ON

**ENGINE RUN-UP/BEFORE TAKEOFF CHECK**

1. Nose wheel Straight
2. Brakes Hold/Set
3. Flight Instruments (primary and standby) Check/Set
4. Totalizer Set
5. Fuel Selector Switch Both
6. Flight Controls Free & Correct
7. Elevator Trim Set for Takeoff
8. Throttle 1,800 RPM
9. Prop Cycle
10. Engine Instruments Green/Charging
11. Magnetos (max 150rpm drop or 50rpm differential) Check
12. Alternator (min 24 volts) Check Load Meter
13. Annunciator Lights No Warnings
14. Throttle Check for Idle the 1,000 RPM
15. Friction Locks Check
16. COM & FLT PLN (GPS & VOR) Radios Check & Set
17. Transponder Check
18. Exterior Lights ON
19. Wing Flaps Set for Takeoff
20. Brakes Release
21. Radio Call (call made at runway hold short) Complete

**CLIMB CHECK**

1. Vy 83 KIAS
2. Flaps Up Check
3. Prop 2,400 RPM
4. TIT Monitor

**CRUISE CHECK**

1. Throttle Set
2. Prop Set
3. Mixture Lean for decreased MP
4. Cowl Flaps Close

**BEFORE LANDING CHECK**

1. Landing, Strobe, & Beacon Lights ON
2. Gas/Fuel Pump Set both/off
3. Undercarriage Fixed
4. Mixture Best Power
5. Prop High RPM
6. Seatbelts Secure
7. Flaps As required

**AFTER LANDING CHECK**

1. Landing Lights & Strobes OFF
2. Flaps UP
3. COM Radio Check/Set
4. Radio Call Complete

**ENGINE SHUTDOWN CHECK**

1. Throttle 1000
2. Avionics Master OFF
3. Mixture Lean/Cut Off
4. Master Switch OFF
5. Ignition Switch Off/Key Out
6. STBY Avionics Switch ON
7. Hobbs Meter & Tachometer Check/Record Times
8. STBY Avionics Switch OFF
9. Control Lock/PT Cover/Chalks Complete
10. Clean Windshield Complete

**CLOSE FLIGHT PLAN**