

**CESSNA 150 – N50150 CHECKLIST**

Verbally verify each item & completion of sections.

**PRE-FLIGHT INSPECTION**

PAVE / IMSAFE / W & B – COMPLETE

**Cabin / Electrical**

1. Documents – **A.R.R.O.W.**

2. Control Lock – **REMOVE**

3. Ignition Switch – **OFF**

4. Avionics Master – **OFF**

5. Battery – **ON**

6. Flaps – **FULL DOWN**

7. Fuel Gauges / Electric Gyro – **CHECK**

8. Lights – **CHECK**

9. Battery – **OFF**

**Empennage**

1. Empennage Surface – **CHECK**

2. Horizontal Stabilizer – **SECURE**

3. Elevator & Trim Tab – **FREE & SECURE**

4. Rudder – **FREE & SECURE**

5. Tail Tie-down – **DISCONNECT**

6. Antennas – **CHECK CONDITION**

**Right Wing**

1. Fuel Tank Sump – **SAMPLE & CHECK**

2. Tire – **CHECK TREAD & PRESSURE**

3. Brake – **CHECK FOR LEAKS**

4. Flap – **CHECK**

5. Aileron – **FREE & SECURE**

6. Wingtip / Leading Edge – **CHECK**

7. Wing Tie-Down – **DISCONNECT**

8. Fuel Quantity – **VERIFY / CAP SECURE**

**Nose**

1. Engine Oil – **CHECK LEVEL (4-6 quarts)**

2. Fuel Strainer – **SAMPLE & CHECK**

3. Propeller / Spinner – **CHECK**

4. Air Filter – **CHECK CLEAR**

5. Nose Strut – **CHECK**

6. Tire – **CHECK TREAD/PRESSURE**

7. Static Port – **CHECK CLEAR**

8. Windshield – **CLEAN**

**Left Wing**

1. Fuel Quantity – **VERIFY / CAP SECURE**

2. Pitot Tube – **CHECK CLEAR**

3. Stall Warning Opening – **CHECK CLEAR**

4. Fuel Tank Vent – **CHECK CLEAR**

5. Wing Tie-Down – **DISCONNECT**

6. Leading Edge / Wingtip – **CHECK**

7. Aileron – **FREE & SECURE**

8. Flap – **CHECK**

9. Tire – **CHECK TREAD & PRESSURE**

10. Brake – **CHECK FOR LEAKS**

11. Fuel Tank Sump – **SAMPLE & CHECK**

12. Ladder & Chocks – **REMOVE & STOW**

**BEFORE STARTING ENGINE**

1. Pre-flight – **COMPLETE**

2. Passenger Briefing – **S.A.F.E.T.Y.**

3. Seats & Seatbelts – **ADJUST & SECURE**

4. Fuel Shutoff Valve – **ON**

5. Avionics Master – **OFF**

6. Electrical Equipment – **OFF**

7. All Circuit Breakers – **IN**

**STARTING ENGINE**

1. Brakes – **TEST & HOLD**

2. Mixture – **RICH**

3. Throttle – **OPEN ½ INCH**

4. Carb Heat – **OFF**

5. Beacon Light – **ON**

6. Master Switch – **ON**

7. Prime – **AS REQUIRED (3 MAX)**

8. Propeller Area – **“CLEAR!”**

9. Ignition – **KEYS BOTH / PUSH TO START**

10. Throttle – **1000 RPM**

11. Oil Pressure – **CHECK IN GREEN**

12. Wing Flaps – **UP**

13. Mixture – **LEAN 1 INCH FOR TAXI**

**PRE-TAXI & TAXI**

1. Avionics Master – **ON**

2. Transponder – **STANDBY**

3. ATIS – **CHECK**

4. Clearance – **OBTAIN**

5. Transponder – **SET CODE & SET TO “ALT”**

6. Brakes – **CHECK (BOTH PILOT STATIONS)**

7. Instruments – **CHECK DURING TAXI (IFR)**

**BEFORE TAKEOFF (RUN-UP)**

1. (C)ontrols – **FREE & CORRECT**

2. (I)nstruments – **SET**

3. (G)as – Fuel Shutoff Valve **ON**

4. (A)ttitude (Trim/Flaps) – **SET (10° Soft Field)**

5. (R)adios – **COM / NAV / TRANSPONDER**

6. (S)ecure – **DOORS / WINDOWS LATCHED**

7. Brakes – **HOLD**

8. Throttle – **1700 RPM**

- Mixture – **LEAN 1 INCH**

- Mags – **LEFT/RIGHT (125 MAX DROP)**

- Ammeter – **CHECK (NEUTRAL OR +)**

- Oil Pressure / Temp – **CHECK IN LIMITS**

- Suction – **IN GREEN**

- Carb Heat – **ON, VERIFY RPM DROP**

- Throttle – **IDLE CHECK**

- Carb Heat – **OFF**

9. Throttle – **1000 RPM**

10. Throttle Friction Lock – **ADJUST**

11. Clearance – **REVIEW**

12. Takeoff Emergency Briefing – **COMPLETE**

√ **Speeds (MPH)** Vr = 50 Vx = 52 Vy = 72  
Va = 109 Vg = 65 Vref = 60-70

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Verbally verify each item & completion of sections.

**PRE-FLIGHT INSPECTION**

PAVE / IMSAFE / W & B – COMPLETE

**Cabin / Electrical**

1. Documents – **A.R.R.O.W.**

2. Control Lock – **REMOVE**

3. Ignition Switch – **OFF**

4. Avionics Master – **OFF**

5. Battery – **ON**

6. Flaps – **FULL DOWN**

7. Fuel Gauges / Electric Gyro – **CHECK**

8. Lights – **CHECK**

9. Battery – **OFF**

**Empennage**

1. Empennage Surface – **CHECK**

2. Horizontal Stabilizer – **SECURE**

3. Elevator & Trim Tab – **FREE & SECURE**

4. Rudder – **FREE & SECURE**

5. Tail Tie-down – **DISCONNECT**

6. Antennas – **CHECK CONDITION**

**Right Wing**

1. Fuel Tank Sump – **SAMPLE & CHECK**

2. Tire – **CHECK TREAD & PRESSURE**

3. Brake – **CHECK FOR LEAKS**

4. Flap – **CHECK**

5. Aileron – **FREE & SECURE**

6. Wingtip / Leading Edge – **CHECK**

7. Wing Tie-Down – **DISCONNECT**

8. Fuel Quantity – **VERIFY / CAP SECURE**

**Nose**

1. Engine Oil – **CHECK LEVEL (4-6 quarts)**

2. Fuel Strainer – **SAMPLE & CHECK**

3. Propeller / Spinner – **CHECK**

4. Air Filter – **CHECK CLEAR**

5. Nose Strut – **CHECK**

6. Tire – **CHECK TREAD/PRESSURE**

7. Static Port – **CHECK CLEAR**

8. Windshield – **CLEAN**

**Left Wing**

1. Fuel Quantity – **VERIFY / CAP SECURE**

2. Pitot Tube – **CHECK CLEAR**

3. Stall Warning Opening – **CHECK CLEAR**

4. Fuel Tank Vent – **CHECK CLEAR**

5. Wing Tie-Down – **DISCONNECT**

6. Leading Edge / Wingtip – **CHECK**

7. Aileron – **FREE & SECURE**

8. Flap – **CHECK**

9. Tire – **CHECK TREAD & PRESSURE**

10. Brake – **CHECK FOR LEAKS**

11. Fuel Tank Sump – **SAMPLE & CHECK**

12. Ladder & Chocks – **REMOVE & STOW**

**BEFORE STARTING ENGINE**

1. Pre-flight – **COMPLETE**

2. Passenger Briefing – **S.A.F.E.T.Y.**

3. Seats & Seatbelts – **ADJUST & SECURE**

4. Fuel Shutoff Valve – **ON**

5. Avionics Master – **OFF**

6. Electrical Equipment – **OFF**

7. All Circuit Breakers – **IN**

**STARTING ENGINE**

1. Brakes – **TEST & HOLD**

2. Mixture – **RICH**

3. Throttle – **OPEN ½ INCH**

4. Carb Heat – **OFF**

5. Beacon Light – **ON**

6. Master Switch – **ON**

7. Prime – **AS REQUIRED (3 MAX)**

8. Propeller Area – **“CLEAR!”**

9. Ignition – **KEYS BOTH / PUSH TO START**

10. Throttle – **1000 RPM**

11. Oil Pressure – **CHECK IN GREEN**

12. Wing Flaps – **UP**

13. Mixture – **LEAN 1 INCH FOR TAXI**

**PRE-TAXI & TAXI**

1. Avionics Master – **ON**

2. Transponder – **STANDBY**

3. ATIS – **CHECK**

4. Clearance – **OBTAIN**

5. Transponder – **SET CODE & SET TO “ALT”**

6. Brakes – **CHECK (BOTH PILOT STATIONS)**

7. Instruments – **CHECK DURING TAXI (IFR)**

**BEFORE TAKEOFF (RUN-UP)**

1. (C)ontrols – **FREE & CORRECT**

2. (I)nstruments – **SET**

3. (G)as – Fuel Shutoff Valve **ON**

4. (A)ttitude (Trim/Flaps) – **SET (10° Soft Field)**

5. (R)adios – **COM / NAV / TRANSPONDER**

6. (S)ecure – **DOORS / WINDOWS LATCHED**

7. Brakes – **HOLD**

8. Throttle – **1700 RPM**

- Mixture – **LEAN 1 INCH**

- Mags – **LEFT/RIGHT (125 MAX DROP)**

- Ammeter – **CHECK (NEUTRAL OR +)**

- Oil Pressure / Temp – **CHECK IN LIMITS**

- Suction – **IN GREEN**

- Carb Heat – **ON, VERIFY RPM DROP**

- Throttle – **IDLE CHECK**

- Carb Heat – **OFF**

9. Throttle – **1000 RPM**

10. Throttle Friction Lock – **ADJUST**

11. Clearance – **REVIEW**

12. Takeoff Emergency Briefing – **COMPLETE**

√ **Speeds (MPH)** Vr = 50 Vx = 52 Vy = 72  
Va = 109 Vg = 65 Vref = 60-70

## TAKEOFF

1. All Lights – **ON**
2. Mixture – **RICH BELOW 3000 FEET**
3. Throttle – **FULL FORWARD**
4. Elevator – **RAISE NOSE Vr 50 MPH**
5. Pitch – **Vx 52 / Vy 72 MPH**

## ENROUTE CLIMB

1. Flaps – **UP ABOVE 200 FEET**
2. Pitch – **75 MPH**

## CRUISE

1. Power – **SET PER POH (MAX 75%)**
2. Elevator – **TRIM FOR LEVEL FLIGHT**
3. Mixture – **LEAN PER POH**
4. Gauges – **MONITOR**

## BEFORE LANDING

1. **(A)**ltimeter – **SET**
2. **(L)**ights – **ON**
3. **(G)**as – Fuel Shutoff Valve **ON**
4. **(U)**ndercarriage – **CHECKED**
5. **(M)**ixture – **RICH BELOW 3000 FEET**
6. **(P)**ower – Carb Heat & Throttle **ADJUST**
7. **(S)**eatbelts – **ADJUST**

## LANDING

1. Flaps – **SET BELOW 100 MPH**
2. Airspeed – **60 – 70 MPH (60 Short Field)**
3. Braking – **MINIMUM REQUIRED**

## AFTER LANDING

1. Wing Flaps – **UP**
2. Mixture – **LEAN 1 INCH FOR TAXI**
3. Carb Heat – **OFF**
4. Lights (Except Beacon) – **OFF**
5. Trim – **RESET FOR TAKEOFF**

## SHUTDOWN

1. Transponder – **1200 THEN STANDBY**
2. Avionics Master – **OFF**
3. Ignition Grounding – **CHECK**
4. Mixture – **IDLE CUTOFF**
5. Ignition – **OFF/KEYS OUT**
6. Master Switch – **OFF**
7. Control Lock / Pitot Cover – **INSTALL**
8. Tie Downs – **CONNECT**
9. Record – **HOBBS, TACH, ADDITIONS OF FUEL & OIL, POST FLIGHT CHECK**



**THIS CHECKLIST IS FOR REFERENCE ONLY  
ALWAYS CONSULT AIRCRAFT POH**

## ENGINE FAILURE AFTER TAKEOFF

1. Pitch – **65 MPH**
2. Flaps – **DOWN**
3. Fuel Shutoff Valve – **OFF**
4. Mixture – **IDLE CUTOFF**
5. Ignition & Master Switches – **OFF**
6. Doors – **OPEN BEFORE TOUCHDOWN**

## ENGINE FAILURE IN FLIGHT

1. **(A)**irspeed – **65 MPH & TRIM**
2. **(B)**est Landing Site – **FLY DIRECT**
3. **(C)**ockpit Flow / **(C)**hecklist “Floor to door”
  - Fuel Shutoff Valve – **ON**
  - Mixture & Throttle – **ADJUST**
  - Carb Heat – **ON**
  - Ignition – **LEFT / RIGHT / BOTH**
  - Primer – **IN & LOCKED**

## IF NO RESTART

4. **(D)**eclare – **MAYDAY (121.5, 7700 as req.)**
5. **(E)**xecute / **(E)**xit
  - Fuel Shutoff Valve – **OFF**
  - Mixture – **IDLE CUTOFF**
  - Ignition Switch – **OFF**
  - Flaps – **AS REQUIRED**
  - Master Switch – **OFF**
  - Doors – **OPEN BEFORE TOUCHDOWN**

## ENGINE FIRE ON GROUND

1. **CONTINUE CRANKING**
  - If engine starts: **1700 RPM THEN SHUTDOWN**
2. If no start: **SHUTDOWN**
  - Ignition – **OFF**
  - Master Switch – **OFF**
  - Fuel Shutoff Valve – **OFF**
  - Fire – **EXTINGUISH**

## ELECTRICAL FIRE IN FLIGHT

1. Master Switch – **OFF**
2. All Switches Except Ignition – **OFF**
3. Vents/Cabin Air/Heat – **CLOSED/OFF**
4. Fire – **EXTINGUISH**

## WHEN FIRE APPEARS OUT

5. Cabin – **VENTILATE**
6. Circuit Breakers – **CHECK, DON'T RESET**
7. Master Switch – **ON**
8. Radios & Elec Equip – **ON ONE AT A TIME**

## AMMETER EXCESSIVE CHARGE / DISCHARGE

1. Master Switch – **CYCLE OFF THEN ON**
2. Alternator CB – **CHECK IN (IF DISCHARGE)**
3. If Condition Remains:
  - Alternator – **OFF**
  - Electrical Load – **REDUCE**
  - Flight – **TERMINATE AS SOON AS PRACTICAL**

## TAKEOFF

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  - Master Switch – **OFF**
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