

PREFLIGHT Cessna 150

1. Obtain Weather, flight plan
2. Weight and Balance
3. Calculate Performance (Fuel, Runway lengths, Density Alt)

Cabin

1. A.R.O.W. Documents--Ensure Present
2. Control Lock – Remove
3. Mags – OFF
4. Master Switch – ON
5. Flaps – DOWN
6. Fuel Quantity – VERIFY SUFFICIENT QUANTITY
7. Lights – ON-CHECK-OFF (IF IFR or NIGHT)
8. Master –OFF
9. Fuel Shutoff Valve ON (Down)

EMPENNAGE

1. Tail Tie Down – DISCONNECT
2. Elevator and Rudder – CHECK MOVEMENT, LINKAGE
3. Elevator Trim Tab – CONDITION, LINKAGE
4. Antennas – CHECK CONDITION

RIGHT WING

1. Flap – CHECK MOVEMENT, CONDITION, LINKAGE
2. Aileron – CHECK MOVEMENT, CONDITION, LINKAGE
3. Wing Tiedown and Chocks – REMOVE
4. Main Wheel – CHECK BRAKES, INFLATION, CONDITION
5. Fuel – SUMP, CHECK QUANTITY, FUEL TANK CAP SECURE

NOSE: Oil – 6 QUARTS (4 MINIMUM) SECURE DIPSTICK AND DOOR

1. Fuel - SUMP
2. Engine Cooling Air Inlet – CHECK FOR RESTRICTIONS
3. Propeller & Spinner – INSPECT
4. Nosewheel, Strut & Tire – CHECK INFLATION & CONDITION
5. Static Source Opening – CHECK FOR BLOCKAGE

LEFT WING

1. Fuel - SUMP, CHECK QUANTITY, FUEL TANK CAP SECURE
2. Wing Tiedown and Chocks – REMOVE
3. Main Wheel – CHECK BRAKES, INFLATION, CONDITION
4. Pitot Tube – CHECK FOR BLOCKAGE
5. Stall Warning Horn – CHECK FOR BLOCKAGE
6. Flap – CHECK MOVEMENT, CONDITION, LINKAGE
7. Aileron – CHECK MOVEMENT, CONDITION, LINKAGE

V Speeds:

Vso - 48	Vs - 55
Vy - 72 SL 66 10K	Vclimb - 75-80
Vr – 55	Vfe – 100
Vx – 52 SL - 60 10k	Va – 109 (1600 lbs)
Vno – 120	Vne – 162

ENGINE FAILURE (Underlined Items should be Committed to Memory)

1. A – Airspeed – ESTABLISH BEST GLIDE (65 IAS)
2. B – Best Field – SELECT BEST LANDING SITE
3. C - CHECKLIST – MEMORY CHECKLIST AS TIME PERMITS
4. D – DECLARE AN EMERGENCY

MEMORY CHECKLIST (L Pattern Flow)

1. Fuel Shutoff Valve - ON
2. Mixture - Rich
3. Carb Heat - ON
4. Primer- IN AND LOCKED
5. Mags - BOTH (Or Start if Prop Stopped)
6. If Engine Still Failed - SECURE IF TIME PERMITS
7. Fuel Shutoff Valve - OFF
8. Mixture - OFF (Full Out)
9. Mags - OFF
10. Flaps - AS DESIRED
11. Master Switch - OFF
12. Doors - UNLOCK

Electrical Failures

Excessive Rate of Charge

1. Alternator Side of Master Switch – OFF
2. Nonessential Electrical Equipment – OFF
3. Land as soon as Practicable

Volts Annunciator (Ammeter Indicates Discharge)

1. Avionics – OFF (transponder, Radio)
2. Alternator Circuit Breaker – CHECK IN
3. Master Switch – OFF
4. Master Switch – ON
5. Ammeter – CHECK POSITIVE
(If Ammeter indicates Draw)
6. Master Switch – OFF (If needed, ON)
7. Nonessential Electrical Equipment – OFF
8. Flight – TERMINATE AS SOON AS POSSIBLE

Pre-Engine Start

1. Preflight – COMPLETE
2. Passenger Brief – COMPLETE
3. Doors - LOCKED
4. Seats and Seat Belts – ADJUST AND LOCK
5. Circuit Breakers / Fuses – CHECK / IN
6. All Electrical Equipment – OFF (Except Beacon)
7. Fuel Shutoff Valve - ON
8. Master Switch – ON
9. Mixture – FULL RICH
10. Throttle – OPEN ¼ INCH
11. Prime-- If Engine is Cold
12. Prop - CLEAR

ENGINE START

13. Mags – START, RELEASE WHEN ENGINE STARTS
14. Throttle – 1000 RPM
15. Oil Pressure – CHECK
16. Mixture – LEAN FOR TAXI (If Above 3000)
17. Taxi, Landing lights– ON IF REQUIRED
18. Nav Lights- ON
19. Flaps – UP
20. Weather – OBTAIN
21. Altimeter – SET
22. Determine – RUNWAY
23. Flight Controls – FREE AND CORRECT
24. DG – SET TO MAGNETIC COMPASS
25. Fuel Quantity – CHECK
26. NAV- COM Radios – SET
27. Transponder – SET SQUAWK CODE, SET TO STBY
28. Brakes – CHECK

TAXI CHECK (Checked During First Turn)

1. Mag Compass – Swings Freely
2. Attitude Indicator – STABLE
3. DG – Swings Freely
4. Turn Coordinator – CORRECT

BEFORE TAKEOFF (RUNUP)

1. Fuel Selector--On
2. Trim--Set for takeoff
3. Throttle--1700 RPM
4. Mixture--Lean for altitude (full rich below 3,000MSL)
5. Carb Heat--Check
6. Magnetos--Check (Max 150 RPM drop--Max 75 differential)
7. Engine instruments--(Oil pressure, Temperature, Ammeter)
8. Vacuum gauge--Check
9. Throttle--Idle Speed check (Then set to 1000 RPM)
10. Throttle Friction Lock--Adjust
11. Takeoff Brief--V speeds, Performance, Departure, Emergency

Final Items-----

1. Lights--As Necessary
2. Transponder--Alt
3. Flaps--Up (10° for short or soft field)

AFTER TAKEOFF

(Underlined Items Should Be Memory Items, Verified With Checklist)

1. Flaps – UP
2. Airspeed – BEST RATE OF CLIMB
3. Engine Temperature and Pressure – WITHIN LIMITS

CRUISE

1. Power – SET
2. Mixture – LEAN
3. DG – CHECK WITH MAG COMPASS
4. Landing, Lights Taxi – OFF (If On)

DESCENT

1. Weather – OBTAIN set Altimeter
2. Approach – BRIEF
3. Notams – REVIEWED
4. Threats - REVIEWED
5. Mixture – ENRICHEN IF REQUIRED

BEFORE LANDING CHECKLIST (LCGUMPS)

1. Fuel Selector -- ON
2. Mixture
3. Power
4. Carb Heat -- ON
5. Lights
6. Circuit Breakers / Switches
7. Primer -- In and Locked
8. Seatbelts and Undercarriage

Feet off the brakes!

AFTER LANDING

1. Lights – Set (Landing Off)
2. Carb Heat - OFF
3. Transponder – SET TO STBY
4. Flaps – UP
5. Trim – SET FOR TAKEOFF

SHUTDOWN

1. Lights and Switches – ALL OFF (Except Beacon)
2. Radios – OFF
3. Mixture – FULL LEAN
4. Mags – OFF
5. Master – OFF
6. Gust Lock – INSTALL
7. Tie Downs – SECURE
8. Pitot cover and windshield cover – on