

Pre-Flight Checklist:

Flight Planning:

- Route, Departure, Destination, Alternates.
- Any other airports being visited.
- TFRs
- Weather
 - Adverse Conditions:
 - SIGMETs
 - AIRMETS
 - Synopsis:
 - Surface Analysis Chart
 - Weather Depiction Chart
 - Constant Pressure Chart
 - Forecast:
 - Area Forecast
 - Low Level SIGWX Prog
 - Winds Aloft
 - METARS + TAFs:
 - Departure
 - Arrival
 - Alternatives
 - Any other
 - NOTAMS:
 - Departure
 - Arrival
 - Alternatives
 - Any other
 - PIREPS
 - RADAR
- Weight and Balance (if possible)

Flight Bag:

- Clipboard
- Blank paper 3+ sheets
- SF TAC
- SF Sectional
- Any additional maps
- Logbook
- 2+ Pens
- Sunglasses
- E6b
- Plotter
- AFD (at least A/D):
 - Departure
 - Arrival
 - Alternates
- Information Manual
- Pilot's Certificate
- Medical
- Flight Planning Bundle
- This Checklist
- Flight Checklist

Cockpit:

- Windshield Cover - REMOVE
- Pitot Cover - REMOVED
- HOBS + TACH - RECORD
- Keys - ON DASH
- Documents:
 - Airworthiness - CHECK
 - Registration - CHECK
 - POH - CHECK
 - Weights + Balance - CHECK
- Control Lock - REMOVED
- Brake Pedals + Rudder - CHECK
- Fuel Selector - BOTH
- Fuel Cutoff - IN
- Trim extremes - TAKEOFF
- Flaps - FULL
- Alternate static port - CHECK
- Lights - ALL ON
- Master - ON
- Lights - CHECK
- Fuel - CHECK
- Annunciators - CHECK
- Avionics cooling fan - CHECK
- Master - OFF
- Lights - OFF
- Pitot Head - CHECK IF COLD
- Passenger door - OPEN

Empennage:

- Autopilot Static Port - CLEAR
- Preflight equipment - ON GROUND
- Elevator left counterweight - CHECK
- 3 Elevator Joints - CHECK
- Elevator cables - CHECK
- Rudder Cable Left - CHECK
- Tie-down - DISCONNECT
- Rudder Trim - CHECK
- 3 Rudder Joints - CHECK
- Rudder counterweight - CHECK
- VOR antenna - CHECK
- Elevator Trim arm - CHECK
- Rudder Cable Right - CHECK
- 2 Elevator Joints - CHECK
- Elevator counterweight - CHECK

Right Wing:

- Wheel strut - CHECK
- Brake - CHECK
- Tire - CHECK
- Flap rails - CHECK
- Flap rod - CHECK
- Aileron bolts - CHECK
- Aileron rod - CHECK
- Aileron weights(3) - CHECK
- Wing Leading edge - CHECK
- Tie-down - DISCONNECT
- Wing strut - CHECK
- 5 Fuel test points - DRAIN
- Fuel - CHECK CLEAN
- Fuel - QUANTITY
- Fuel - FILTER CAP

Nose:

- Oil - 6+ QUARTS
- Engine bay - CLEAR
- 3 Fuel test points - DRAIN
- Wheel - CHECK
- Wheel strut - 3+ FINGERS
- Prop - SMOOTH
- Spinner - SMOOTH
- Alternator Belt - CHECK
- Cooling inlet - CLEAR
- Air Filter - CLEAR
- Static Port - CLEAR

Left Wing:

- 5 Fuel test points - DRAIN
- Fuel - CHECK CLEAN
- Fuel - QUANTITY
- Fuel - FILTER CAP
- Wing strut - CHECK
- Pitot tube - CLEAR
- Tie-down - DISCONNECT
- Fuel Tank Vent - CLEAR
- Stall Warning - OPERATIONAL
- Wing Leading edge - CHECK
- Aileron bolts - CHECK
- Aileron rod - CHECK
- Aileron weights(3) - CHECK
- Flap rails - CHECK
- Flap rod - CHECK
- Wheel strut - CHECK
- Brake - CHECK
- Tire - CHECK

Final Preflight Checks:

- Seat height - LOWEST
- Preflight equipment - STORED
- Baggage door - LOCKED
- Flight Equipment ready:
 - Sunglasses
 - Headset
 - Clipboard
 - E6B + Plotter
 - Spare Pen
 - Airport Diagrams
 - Maps Folded Correctly
 - In-Flight Checklist Ready
- WALK AROUND

Engine Start:

- Seatbelts/Security - CHECK
- Mags - OFF
- Master - OFF
- Beacon - ON
- Avionics - OFF
- Autopilot - OFF
- Brakes - SET
- Mixture - FULL LEAN
- Throttle - 1/4"
- CLEAR PROP
- START:
 - Master - ON
 - Fuel Pump - ON + FULL RICH
 - Fuel Pump - OFF + FULL LEAN
 - Mags - START
 - Mixture - FULL RICH

Pre-taxi:

- Avionics - ON
- Mixture - LEAN
- Oil Pressure/Temp - CHECK
- Ammeter - POSITIVE
- Flaps - UP
- Strobes - ON
- ATIS
- Altimeter set
- H.I. to compass
- XPDR - VFR + ALT
- Engine start time - NOTE
- GPS - ADVANCE
- NOTE WIND FOR TAXI
- Breaks - TEST

RUNUP (CIGARS):

- Controls - FREE + CORRECT
- Instruments - CHECK
- Gas - BOTH + QUANTITY
- Annunciator - CHECK
- Autopilot - CHECK
- Attitude - TRIM TAKEOFF
- Radios - TOWER + XPDR
- Runup:
 - Mixture - FULL RICH
 - RPM - 1800
 - Mags L/R - TEST
 - Oil Temp/Pressure - CHECK
 - Amps/Volts - CHECK
- Seatbelts + Security - CHECK

Pre-takeoff Briefing:

- Runway - CONFIRM
- Wind - CHECK
- Departure - BRIEF
- Engine Failure - BRIEF
- 1000 AGL in MSL - NOTE
- Abort Speed/Point - NOTE (40KT)

Securing:

- TODO

Flow Check:

- H.I to compass - SET
- Oil - TEMP + PRESSURE
- AMPS/VOLTS - CHECK
- Lights - CHECK
- Power - CHECK
- Mixture - CHECK
- NEXT CHECKLIST - NOTE
- Best field - NOTE

Before Landing:

- FLOW CHECK
- ATIS - CHECK
- Altimeter - SET
- Landing Light - ON
- Fuel - BOTH
- Seatbelts - CHECK
- HI bug - SET RUNWAY
- GUMPS - REMEMBER

After Landing:

- Flaps - UP
- Mixture - LEAN
- Lights - SET
- NOTE WIND FOR TAXI