

**PREFLIGHT CHECK**

**CABIN**

- 1 Aircraft Log & Aircraft Papers ..... CHECKED
- 2 Control Lock..... REMOVED & STOWED AWAY
- 3 Avionics Master..... OFF
- 4 Ignition Switch..... OFF & KEY REMOVED
- 5 Master Switch ..... ON
- 6 Fuel Quantity Indicators ..... CHECKED (Endurance !)
- 7 Flaps ..... FULL DOWN
- 8 Master Switch ..... OFF

**OUTSIDE**

- 9 Outside Check ..... ACCORDING AFM

**PREFLIGHT CHECK COMPLETED**

**CHECK BEFORE ENGINE START**

- 1 Cabin Doors & Windows ..... CLOSED
- 2 Seats, Seat Belts ..... ADJUSTED & SECURED
- 3 Parking Brake ..... SET
- 4 Fuel Shutoff Valve..... ON
- 5 Master Switch ..... ON
- 6 Flaps ..... UP
- 7 Mixture ..... RICH
- 8 Throttle..... OPEN 1 cm
- 9 Carburettor Heat ..... COLD
- 10 Beacon Light..... ON
- 11 Circuit Breakers ..... CHECKED

**CHECK BEFORE ENGINE START COMPLETED**

**STARTING ENGINE & AFTER ENGINE START CHECK**

- 1 Primer (cold engine only ! ) ..... 2 STROKES with Throttle
- 2 Propeller Area & Zone behind Aircraft ..... CLEAR
- 3 Ignition Switch..... START
- 4 Throttle..... 1 000 rpm
- 5 Oil Pressure (after max 30") ..... **WITHIN GREEN ARC**
- 6 Ammeter ..... CHECKED
- 7 Ventilation, Heater, Defroster..... AS REQUIRED
- 8 Avionics Master..... ON
- 9 Avionics..... SET AS REQUIRED
- 10 Engine Warm Up..... AS REQUIRED
- 11 Parking Brake ..... RELEASED

**STARTING & AFTER ENGINE START CHECK COMPLETED – READY TO TAXI**

**TAXI CHECK**

- 1 Brakes & Steering ..... CHECKED
- 2 Gyro Instruments & Magnetic Compass ..... CHECKED

**TAXI CHECK COMPLETED**

**RUN UP**

- 1 Parking Brake ..... SET
- 2 Oil Temperature & Oil Pressure (Temp > 24°C)..... **WITHIN GREEN ARC**
- 3 Zone behind Aircraft..... CLEAR
- 4 Throttle..... 1 700 rpm
- 5 Carburettor Heat ..... CHECK OPERATION
- 6 Mixture ..... CHECK OPERATION
- 7 Magnetos (L – B – R – B) ..... CHECKED  
(MAX. 125 rpm / MAX DIFF. 75 rpm)
- 8 Suction ..... **WITHIN GREEN ARC**
- 9 Ammeter ..... CHECKED
- 10 Throttle..... IDLE (Min. 500 rpm – Max. 700 rpm)
- 11 Throttle..... 1 000 rpm

**RUN UP COMPLETED**

**CHECK BEFORE DEPARTURE**

- 1 Seats, Seat Belts (**PAX**) ..... RECHECKED
- 2 Cabin Doors & Windows ..... CLOSED
- 3 Fuel Quantity L & R..... CHECKED (**Endurance !**)
- 4 Fuel Shutoff Valve..... ON
- 5 Flaps ..... AS REQUIRED
- 6 Mixture ..... RICH (below 3 000 ft AMSL)
- 7 Carburettor Heat ..... COLD
- 8 Elevator Trim..... SET FOR TAKE OFF
- 9 Circuit Breakers ..... CHECKED
- 10 Magnetos ..... BOTH
- 11 Master Switch ..... ON
- 12 Flight Instruments ..... CHECKED & SET
- 13 Engine Instruments ..... CHECKED
- 14 Flight Controls..... FREE & CORRECT
- 15 Departure & Emergency Briefing ..... COMPLETED
- 16 Parking Brake ..... RELEASED

**CHECK BEFORE DEPARTURE COMPLETED – READY TO LINE UP**

Approach Sector & Runway ..... FREE / ENTER THE RUNWAY  
 ..... & LINE UP

LINE UP CHECK

- 1 Runway ..... IDENTIFIED & DG SET
- 2 Wind ..... CHECKED
- 3 Landing Light & Navigation Lights ..... ON
- 4 Transponder "Mode ALT" ..... DISPLAY "GND" (7 000)
- 5 Time ..... NOTED

LINE UP CHECK COMPLETED

CLIMB CHECK

- 1 Power ..... FULL POWER
- 2 Flaps ..... UP (clear of obstacles,  
 ..... +ve ROC, SPEED > 64 mph)
- 3 Landing Light ..... AS REQUIRED
- 4 Transponder "Mode ALT" ..... DISPLAY "ALT" (7 000)

CLIMB CHECK COMPLETED

CRUISE CHECK

- 1 Altimeter ..... SET AS REQUIRED
- 2 Directional Gyro ..... RECHECKED
- 3 Cruise Power ..... SET (according AFM)
- 4 Mixture ..... LEANED (above 5 000 ft AMSL)
- 5 Fuel Quantity L or R ..... CHECKED (Endurance !)
- 6 Engine Instruments ..... **WITHIN GREEN ARC**

CRUISE CHECK COMPLETED

DESCENT CHECK

- 1 ATIS (if available) ..... NOTED
- 2 Approach Briefing ..... COMPLETED
- 3 Avionics ..... SET
- 4 Directional Gyro ..... RECHECKED
- 5 Mixture ..... SET AS REQUIRED
- 6 Cabin & PAX ..... SECURED

DESCENT CHECK COMPLETED

APPROACH CHECK

- 1 Altimeter ..... SET QNH (D/W Altitude)
- 2 Landing Light ..... ON
- 3 Carburettor Heat ..... AS REQUIRED
- 4 Mixture ..... RICH / AS REQUIRED
- 5 Fuel Quantity L & R ..... CHECKED (Endurance !)
- 6 Fuel Shutoff Valve ..... ON

APPROACH CHECK COMPLETED

**FINAL CHECK**

- 1 Carburettor Heat ..... *push* .... COLD
- 2 Mixture ..... *push* .... RICH / AS REQUIRED
- 3 Flaps ..... *down* .... SET FOR LANDING

**FINAL CHECK COMPLETED**

**AFTER LANDING CHECK**

- 1 Transponder “Mode ALT” ..... DISPLAY “**GND**”
- 2 Landing Light & Navigation Lights ..... OFF
- 3 Flaps ..... UP
- 4 Elevator Trim ..... SET FOR TAKE OFF

**AFTER LANDING CHECK COMPLETED**

**PARKING & ENGINE SHUT DOWN**

- 1 Parking Brake ..... SET AS REQUIRED
- 2 Throttle ..... **1 000 rpm !**
- 3 COM ..... MONITOR 121.50
- 4 Avionics Master ..... OFF
- 5 Electrical Consumers (**except beacon light**) ..... OFF
- 6 Mixture ..... IDLE CUT OFF
- 7 Ignition Switch ..... **OFF & KEY REMOVED**
- 8 Master Switch ..... OFF
- 9 Beacon Light ..... OFF
- 10 Flight Data & Aircraft Log ..... NOTED

**PARKING & ENGINE SHUT DOWN CHECK COMPLETED**

**Important Data for Cessna C150 (according AFM) ..... check T/O performance according AFM**

- V<sub>R</sub>** (Rotating speed) ..... **50 mph**
- V<sub>X</sub>** (Best angle of climb speed) ..... **64 mph**
- V<sub>Y</sub>** (Best rate of climb speed) ..... **70 mph**
- V<sub>A</sub>** (Manoeuvring speed) ..... **109 mph**
- V<sub>G</sub>** (Best glide speed) (*clean*) ..... **65 mph**
- V<sub>NO</sub>** (Max. operating speed) ..... **120 mph**
- V<sub>NE</sub>** (Never exceed speed) ..... **162 mph**
- V<sub>FE</sub>** (Max. flaps extend speed) ..... **100 mph**
- V<sub>S</sub>** (Stalling speed - clean) ..... **46 mph**
- V<sub>SO</sub>** (Stalling speed – full flap) ..... **38 mph**
- V<sub>initial</sub>** ..... **80 mph**
- V<sub>intermediate</sub>** ..... **70 mph**
- V<sub>final</sub>** ..... **60 mph**
- V<sub>cruise climb</sub>** ..... **80 mph**
- Max. Crosswind** ..... **15 kt**
- Service Ceiling** ..... **12 000 ft**

- Weights**
- MTOW** ..... 1 600 lb (726 kg)
  - Empty weight** ..... 1 157 lb (526 kg)
  - Max. useful load**... 443 lb (200 kg)

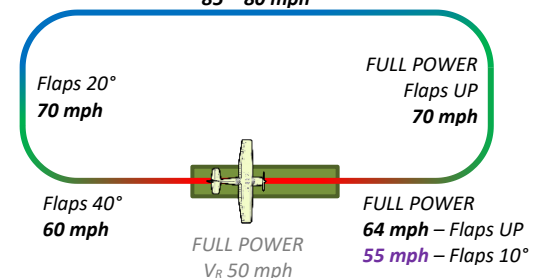
- Fuel (AVGAS 100LL)**
- Max. capacity** ..... 144 l (38 US Gal)
  - Usable fuel**..... 130 l (35 US Gal)
  - Fuel flow** ..... 30 l/h (7.9 US Gal/h)

- Oil (15W40)**
- Max. capacity** ..... 6 US Quarts
  - Min. quantity**..... 4 US Quarts

- Tyre pressure**
- Nose wheel**..... 1.9 bar (28 psi)
  - Main wheel**..... 2.1 bar (30 psi)

- Power settings**(Mixture leaned, Temp. ISA)
- Max T/O power ..... 2 800 rpm
  - Max overspeed ..**20 sec.** ..... 2 940 rpm
  - Crusing power ..... 2 000 – 2 800 rpm

**Circuit** (Power, Speed, Configuration)  
**POWER 1900-2100 rpm**  
 Flaps 10°  
**85 – 80 mph**



**Engine:** ..... Rolls-Royce Continental, O-240-A (130 hp)

**Electrical system:** ..... 14 V DC

**Battery:** ..... 12 V DC

**Corrections:**  
 Dead Cut Check removed  
 Use of Avionics Master changed  
 Spinning prohibition removed