

PREFLIGHT CHECK

CABIN

- 1 Aircraft Log & Aircraft Papers ..... CHECKED
- 2 Magnetos ..... **BOTH SWITCHES OFF**
- 3 Master ..... OFF
- 4 Circuit Breakers ..... CHECKED
- 5 Avionics..... OFF
- 6 Fuel Quantity..... CHECKED (Endurance !)

OUTSIDE

- 7 Outside Check ..... ACCORDING AFM


PREFLIGHT CHECK COMPLETED

CHECK BEFORE ENGINE START

- 1 Cabin Door & Windows ..... CLOSED (or as required)
- 2 Seat Belts..... ADJUSTED & SECURED
- 3 Elevator Trim..... CHECK & SET
- 4 Fuel Shutoff Valve – **Main** Tank..... ON
- 5 Mixture ..... RICH
- 6 Throttle ..... OPEN 1 cm
- 7 Fuel Shutoff Valve – **Wing** Tank..... OFF
- 8 Carburettor Heat ..... COLD
- 9 Cabin Heat..... OFF (or as required)
- 10 Master Switch ..... ON **MAIN FUSE**
- 11 Magnetos ..... **BOTH SWITCHES ON**
- 12 Circuit Breakers ..... CHECKED

CHECK BEFORE ENGINE START COMPLETED

STARTING ENGINE & AFTER ENGINE START CHECK

- 1 Primer (cold engine only ! )..... 1 – 3 STROKES
- 2 Brakes ..... APPLY and **HOLD**
- 3 Control Column (*Joy Stick*  )..... **HOLD FULL BACK**
- 4 Propeller Area & Zone behind Aircraft ..... CLEAR
- 5 Starter Button..... START / ACTIVATE
- 6 Throttle ..... 1 000 rpm
- 7 Oil Pressure (after max 30" ) ..... **WITHIN GREEN ARC**
- 8 Ammeter..... CHECKED
- 9 Avionics..... ON & SET
- 10 Transponder..... STANDBY
- 11 Engine Warm Up ..... AS REQUIRED

STARTING & AFTER ENGINE START CHECK COMPLETED – READY TO TAXI

**TAXI CHECK**

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

**TAXI CHECK COMPLETED**

**RUN UP**

- 1 Brakes ..... APPLY and **HOLD**
- 2 Oil Temperature & Oil Pressure ..... **WITHIN GREEN ARC**
- 3 Zone behind Aircraft ..... CLEAR
- 4 Throttle ..... 1 600 rpm
- 5 Carburettor Heat ..... CHECK OPERATION
- 6 Mixture ..... CHECK OPERATION
- 7 Magnetos (L – B – R – B) ..... CHECKED  
 ..... (MAX. 125 rpm / MAX DIFF. 50 rpm)
- 8 Ammeter ..... CHECKED
- 9 Throttle ..... IDLE (Min. 500 rpm – Max. 700 rpm)
- 10 Throttle ..... 1 000 rpm

**RUN UP COMPLETED**

**CHECK BEFORE DEPARTURE**

- 1 Seat Belts (**PAX**) ..... RECHECKED
- 2 Cabin Door & Windows ..... CLOSED
- 3 Fuel Quantity ..... CHECKED (**Endurance !**)
- 4 Elevator Trim ..... SET FOR TAKE OFF
- 5 Fuel Shutoff Valve – **Main** Tank ..... ON
- 6 Mixture ..... RICH (below 3 000 ft AMSL)
- 7 Primer ..... IN & LOCKED
- 8 Carburettor Heat ..... COLD
- 9 Circuit Breakers ..... CHECKED
- 10 Master Switch ..... ON
- 11 Magnetos ..... **BOTH SWITCHES ON**
- 12 Engine Instruments ..... CHECKED
- 13 Flight Instruments ..... CHECKED & SET
- 14 Flight Controls ..... FREE & CORRECT
- 15 Departure & Emergency Briefing ..... COMPLETED

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

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

**LINE UP CHECK**

- 1 Runway ..... IDENTIFIED
- 2 Wind ..... CHECKED
- 3 Transponder ..... ON (**7 000, ALT**)
- 4 Time ..... NOTED

**LINE UP CHECK COMPLETED**

CLIMB CHECK

- 1 Power ..... FULL POWER
- 2 Speed ..... 60 mph
- 3 Mixture ..... SET

CLIMB CHECK COMPLETED

CRUISE CHECK

- 1 Altimeter ..... SET AS REQUIRED
- 2 Cruise Power ..... SET (according AFM)
- 3 Mixture ..... LEANED
- 4 Fuel Quantity ..... CHECKED (Endurance !)
- 5 Engine Instruments ..... **WITHIN GREEN ARC**

CRUISE CHECK COMPLETED

DESCENT CHECK

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

DESCENT CHECK COMPLETED

APPROACH CHECK

- 1 Altimeter ..... SET QNH (D/W Altitude)
- 2 Carburettor Heat ..... AS REQUIRED
- 3 Mixture ..... RICH / AS REQUIRED
- 4 Fuel Quantity ..... CHECKED (Endurance !)
- 5 Fuel Shutoff Valve – Main Tank ..... ON

APPROACH CHECK COMPLETED

FINAL CHECK

- 1 Carburettor Heat ..... COLD / AS REQUIRED
- 2 Speed ..... 60 mph

FINAL CHECK COMPLETED

AFTER LANDING CHECK

- 1 Transponder ..... STANDBY
- 2 Elevator Trim ..... SET FOR TAKE OFF

AFTER LANDING CHECK COMPLETED

**PARKING & ENGINE SHUT DOWN**

- 1 Brakes ..... **APPLY and HOLD**
- 2 Throttle ..... 1 000 rpm
- 3 COM ..... MONITOR 121.50
- 4 Avionics & Transponder ..... OFF
- 5 Mixture ..... IDLE CUT OFF
- 6 Magnetos ..... **BOTH SWITCHES OFF**
- 7 Master Switch ..... OFF
- 8 Flight Data & Aircraft Log ..... NOTED

**PARKING & ENGINE SHUT DOWN CHECK COMPLETED**

**Important Data for Piper Cub J3 (according AFM)**

- V<sub>Y</sub>** (Best rate of climb speed)..... **60 mph**
- V<sub>G</sub>** (Best glide speed)..... **60 mph**
- V<sub>NO</sub>** (Max. structural speed)..... **90 mph**
- V<sub>NE</sub>** (Never exceed speed)..... **122 mph**
- V<sub>S</sub>** (Stalling speed) ..... **53 mph**
- Max. Crosswind** ..... **10 kt**
- Service Ceiling** ..... **13 000 ft**

- Main tank** ..... 45 l  
Tank behind motor
- Wing tank**..... 20 l  
Tank in left wing (Shut-off valve may be opened **only** when main tank is 2/3 empty {1/3 full})

- Power settings**
- climb power ..... 2 350 rpm
  - cruise power ..... 2 250 rpm

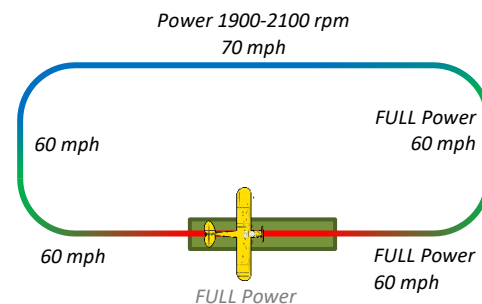
**Weights**

- MTOW** ..... (1 279 lb) 580 kg
- Empty weight (Zero fuel)**..... 395 kg
- Max. useful load**..... 185 kg

**Fuel flow** ..... 25 l/h

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

**Circuit** (Power, Speed, Configuration)



**Fuel (AVGAS 100LL / MOGAS 98)**

- Engine:** Rolls Royce O-200 (100 hp)
- Electrical system:** ..... 14 V DC
- Battery:** ..... 12 V DC



Corrections: Power settings added