

PREFLIGHT CHECKS

- Idle cutoff lever.....**CUT-OFF**
- Undercarriage lever.....**DOWN**
- Drop tank fuel cock lever.....**OFF**
- Main fuel tank cock lever.....**OFF**
- Elevator, aileron, runder controls.....**CHECK**
- Magneto ingnitors.....**OFF**
- Fuel tank pressure cock.....**OFF**
- Pneumatic supply pressure.....**> 200 PSI**
- Altimeter.....**QFE**
- Flaps.....**CHECK**
- Canopy.....**CHECK**
- Throttle forward.....**CHECK**
 - Landing gear down indicator.....**ON**
 - Fuel pressure warning light.....**ON**
- Throttle.....**FULLY BACK**
- Fuel quantity.....**CHECK**

ENGINE START

- Brake.....SET
- Main fuel tank cock lever.....ON
- Throttle forward.....0.5–1.0 Inch
- Propeller RPM lever.....FULLY FORWARD
- Carburettor air intake lever.....FILTER IN OPERATION
- Engine primer pump.....UNSCREW CAP
- Engine primer pump.....PUMP 5 TIMES
- Fuel wobble pump.....UNTIL LOW PRESSURE LIGHT OFF
- Magneto igniters.....ON
- Booster coil and starter cover.....OPEN
- Engine start
 - Starter button.....HOLD
 - Booster coil button.....ON
 - Mixture control lever.....RUN
- Booster coil and starter cover.....CLOSE
- Engine primer pump.....SCREW CAP
- Pitot heat.....AS REQUIRED
- Fuel pump switch.....ON
- Oxygen valve.....OPEN
- Engine warm-up
 - Throttle.....1000 – 1200 RPM
 - Oil pressure.....60 – 120 PSI
 - Oil temperature.....> 20°C
 - Coolant temperature.....> 60°C

TAXI

- Throttle idle.....1000 – 1200 RPM
- Oil pressure 30 – 60 PSI
- Oil temperature 20 – 80°C
- Coolant temperature.....60 – 120°C
- Breaks CHECK
 - Stick.....FULLY BACK
 - Breaks.....SET
 - Throttle.....1800 RPM
 - Throttle.....1000 RPM
 - Breaks.....RELEASE
- Stick.....FULLY BACK
- Throttle.....1500 RPM
- S-turns to runway using rudder and breaks.

TAKE-OFF

- Elevator trim.....1 UNIT DOWN
- Rudder trim.....1 ROTATION RIGHT
- Flaps.....RETRACT
- Stick.....FULLY BACK
- Throttle +8 BOOST
- Compensate engine torque by slight rudder input.
- Rotate at 90 mph.
- Press wheel brake lever to stop wheels from spinning.
- Raise landing gear at 140 mph.
- Climb at +12 boost and 2850 RPM.
- At 1000 ft carburettor lever.....NORMAL INTAKE

LANDING

- Throttle **2600 RPM**
- Boost **+6**
- Overfly runway at 100–200 ft and 260–280 mph.
- At runway center pitch up and to the left.
- At 90° Reduce boost to +2.
- Roll out to downwind leg at 1000 ft.
- At <160 mph extend landing gear.
- Once left wing is at runway threshold
 - Start descending left turn
 - Extend flaps
- Base leg: continuous descending turn to runway threshold.
- Hit runway threshold at 90 mph and 2000 RPM.
- Flare for 3-point landing at 60–70 mph.
- On the ground use slight rudder to maintain straight.
- Use wheel brakes once rudder becomes ineffective.
- Raise flaps.