

BEFORE STARTING ENGINE

1. Preflight Inspection — COMPLETE
2. Seat, Belts, Shoulder Harnesses — ADJUST & LOCK
3. Fuel Selector Valve — BOTH
4. Brakes — TEST and SET
5. Radios, Electrical Equipment — OFF
6. Circuit Breakers — CHECK IN

STARTING ENGINE (Above Freezing)

1. Passengers — BRIEFED
2. Hobbs Time — NOTE
3. Beacon — ON
4. Mixture — RICH
5. Carburetor Heat — COLD
6. Prime — AS REQUIRED
7. Throttle — OPEN 1/8 INCH
8. Propeller Area — YELL CLEAR
9. Master Switch — ON
10. Ignition Switch — START (release when engine starts)
11. Throttle — ADJUST for 1000 R.P.M. or less
12. Oil Pressure — CHECK (OK in 30 seconds)
13. Navigation Lights — ON as required
14. Radios — ON and CHECK

(For starting engine when temp below freezing refer to P.O.H.)

PRE-TAXI

1. Flaps — CHECK
2. Cabin Doors — CLOSED and LATCHED
3. Flight Controls — Free and Correct
4. Flight Instruments — SET
5. Fuel Shutoff Valve — ON BOTH
6. Mixture — RICH (below 3000 feet)
7. Elevator Trim — SET for takeoff

TAXI

1. Brakes — TEST
2. Instruments — TAXI and TEST CORRECT

RUN-UP

1. Brakes — SET
2. Propeller Blast — CHECK
3. Throttle — 1700 RPM
 - a. Magnetos — CHECK (RPM drop should not exceed 125 RPM on either magneto or 50 RPM differential between magnetos)
 - b. Carburetor Heat — ON (check for RPM drop)
 - c. Engine Instruments and Ammeter — CHECK
 - d. Suction Gage — CHECK
 - e. Mixture — Check
 - f. Throttle — CHECK IDLE
 - g. Carburetor Heat — COLD
 - h. Throttle — 1000 RPM
4. Radios and Avionics — SET
5. Navigation Lights — AS DESIRED

PRE-TAKE-OFF

1. Primer — LOCKED
2. Master — On
3. Carburetor Heat — COLD
4. Throttle Friction Lock — ADJUST
5. Wing Flaps — SET for takeoff (0° – 10°)
6. Instruments — SET
7. Strobes — AS DESIRED
8. Time Off — NOTE
9. Brakes — RELEASE

NORMAL TAKEOFF

1. Wing Flaps — 0° – 10°
2. Carburetor Heat — COLD
3. Power — FULL THROTTLE
4. Elevator Control — LIFT NOSE WHEEL (at 60 MPH)
5. Climb Speed 75 – 85 MPH

DESCENT

1. Mixture — ADJUST for smooth operation (full rich for idle power)
2. Power — AS DESIRED
3. Carburetor Heat — FULL HEAT AS REQUIRED

BEFORE LANDING

1. Fuel Selector — BOTH
2. Seats, Belts, Harnesses — ADJUST and LOCK
3. Mixture — RICH
4. Carburetor Heat — On (apply full heat before reducing power)

NORMAL LANDING

1. Airspeed — 70 – 80 MPH (flaps UP)
2. Wing Flaps — AS DESIRED
3. Airspeed — 65 – 75 MPH (flaps DOWN)
4. Touchdown — MAIN WHEELS FIRST
5. Landing Roll — LOWER NOSE WHEEL GENTLY
6. Braking — MINIMUM REQUIRED

AFTER LANDING

1. Idle — 1000 RPM
2. Flaps — UP
3. Carburetor Heat — COLD
4. Time Down — NOTE
5. Landing Light/Strobes — OFF

SECURING AIRPLANE

1. ELT — CHECK (121.5)
2. Radios, Electrical Equipment — OFF
3. Live Magneto — CHECK
4. Mixture — IDLE CUT OFF
5. Throttle — CLOSED
6. Ignition Switch — OFF
7. Master Switch — OFF
8. Hobbs Time — NOTE
9. Control Lock — INSTALLED
10. Pitot Cover — INSTALLED



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