

BEFORE STARTING ENGINE

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

STARTING ENGINE (Above Freezing)

1. Passengers — BRIEFED
2. Hobbs Out — NOTE
3. Beacon — ON
4. Mixture — RICH
5. Carburetor Heat — COLD
6. Prime — AS REQUIRED (up to 3 strokes – none if engine warm)
7. Throttle — OPEN ½ INCH (CLOSED if engine is warm)
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
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 150 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. Time Up — NOTE
8. Brakes — RELEASE

NORMAL TAKEOFF

1. Wing Flaps — 0° – 10°
2. Carburetor Heat — COLD
3. Throttle — FULL OPEN
4. Elevator — LIFT NOSE WHEEL at 50 KIAS
5. Climb Speed — 65 – 75 KIAS

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. Seats, Belts, Harnesses — ADJUST and LOCK
2. Primer — Locked
3. Master — ON
4. Magnetos — BOTH
5. Carburetor Heat — On
6. Mixture — RICH
7. Fuel — ON
8. Brakes — POSITIVE PRESSURE

AFTER LANDING

1. Idle — 1000 RPM
2. Flaps — UP
3. Carburetor Heat — OFF
4. Time Down — NOTE
5. Landing Light — OFF
6. Trim — Set for Take-Off

SECURING AIRPLANE

1. Idle — 1000 RPM
2. ELT — CHECK (121.5)
3. Radios, Electrical Equipment — OFF
4. Live Magneto — CHECK
5. Mixture — IDLE CUT OFF
6. Throttle — CLOSED
7. Ignition Switch — OFF
8. Master Switch — OFF
9. Hobbs In — NOTE
10. Control Lock — INSTALLED
11. Pitot Cover — INSTALLED

