

BEFORE STARTING ENGINE

1. Preflight Inspection -- COMPLETE
2. Passenger Briefing -- COMPLETE
3. Seats, Seat Belts -- ADJUST & LOCK
4. Radio Master Switch & Lights -- OFF
5. Fuel Valve Handle -- ON
6. Brakes -- TEST & HOLD FIRMLY

STARTING ENGINE

1. Carburetor Heat -- COLD/IN
2. Throttle -- OPEN 1/4 INCH
3. Mixture -- RICH/IN
4. Primer -- AS REQUIRED
5. Rotating Beacon -- ON
6. Master Switch -- ON
7. Ignition Switch -- BOTH
8. Propeller Area -- CLEAR
9. Starter Handle -- PULL
10. Throttle -- ADJUST 1000 RPM
11. Oil Pressure -- CHECK
12. Lights -- AS REQUIRED
13. Radio Master Switch -- ON
14. Transponder -- STANDBY
15. Flaps -- RETRACT
16. Brakes -- TEST
17. Mixture -- Lean for taxi
18. Radios -- SET & CHECK

BEFORE TAKEOFF

1. Brakes -- HOLD FIRMLY
2. Seats, Seat Belts -- CHECK SECURE
3. Cabin Doors -- CLOSED & LATCHED
4. Flight Controls -- FREE & CORRECT
5. Instruments -- CHECK & SET
6. Elevator Trim -- SET FOR TAKE OFF
7. Primer -- IN & LOCKED
8. Fuel Valve -- RECHECK ON
9. Mixture -- RICH
10. Throttle -- 1700 RPM
 - a) Magnetos -- CHECK (75 rpm max difference)
 - b) Carburetor Heat -- CHECK OPERATION
 - c) Engine Instruments -- CHECK IN GREEN
 - d) Generator Light -- OUT
 - e) Suction Gage -- CHECK (4.6-5.4" Hg)
11. Throttle -- 1000 RPM
12. Throttle Friction Lock -- SET
13. Radios -- SET & CHECK
14. Transponder -- ALTITUDE
15. Flaps -- SET FOR TAKEOFF (POH, sect. #2)

NORMAL TAKEOFF

1. Flaps -- 0°
2. Carb-Heat -- COLD/IN
3. Throttle -- FULL OPEN
4. Rotate -- Vr (50 mph)
5. Climb -- Vy (72 mph)

SHORT FIELD TAKEOFF

1. Flaps -- 0°/10° (POH sect. 2-7/2-8)
2. Carb-Heat -- COLD/IN
3. Brakes -- HOLD
4. Throttle -- FULL OPEN
5. Brakes -- RELEASE
6. Rotate -- Vr (40 mph)
7. Climb -- Vx (52 mph)
8. Obstacles Cleared -- CLIMB Vy (72 mph)
9. Flaps -- CHECK RETRACTED

SOFT FIELD TAKEOFF

1. Flaps -- 0°/10° (POH sect. 2-7/2-8)
2. Carb-Heat -- COLD/IN
3. Elevator -- FULL AFT
4. While rolling onto RWY
 - a) Never stop rolling
 - b) Smoothly -- FULL THROTTLE
 - c) Lift-off -- AS SOON AS POSSIBLE
 - d) Stay in ground effect accel. To Vx (52 mph)
5. Obstacles Cleared -- CLIMB Vy (72 mph)
6. Flaps -- CHECK RETRACTED

BEFORE LANDING

1. G-Gas -- ON
2. M-Mixture -- RICH/IN
3. C-Carb-Heat -- ON/OUT
4. Landing Light -- ON (Night)

SHORT FIELD LANDING

1. Flaps -- 40°
2. Airspeed -- 58 mph
3. Brakes -- HEAVILY
4. Flaps -- RETRACT

SOFT FIELD LANDING

1. Flaps -- 40°
2. Airspeed -- 58 mph
3. KEEP NOSEWHEEL OFF THE GROUND

AFTER LANDING

1. Flaps -- 0°
2. Carb-Heat -- COLD/IN
3. Transponder -- STANDBY
4. Landing Light -- OFF
5. Mixture -- Lean for taxi

SECURING AIRCRAFT

1. Radios -- OFF
2. Throttle -- 1000 RPM
3. Mixture -- IDLE CUT-OFF
4. Electrical Equip & Lights -- OFF
5. Master Switch -- OFF
6. Ignition Switch -- OFF
7. Control Lock -- INSTALLED