



C-172S Checklist (FARC)

BEFORE START

1. Preflight Inspection Complete
2. Timesheet, logs, documents On board
3. Pax briefing Complete
4. Controls..... full/free/correct
5. Seats/seatbelts..... Adjust, lock
6. Brakes Set
7. Circuit Breakers Check In
8. Avionics Master Off
9. Fuel Selector Both
10. Fuel Shutoff Valve On (push full in)
11. Hobbs Record

NORMAL ENGINE START

1. Mixture Idle Cutoff
2. Throttle open ¼ inch
3. Beacon Light On
4. Master Switch On

COLD START

5. Mixture Full Rich
6. Throttle Open halfway
7. Fuel Pump On (fuel flow 3-5 GPH)
8. Fuel Pump Off
9. Throttle Open ¼ inch
10. Mixture Idle Cutoff
11. Prop Area Clear
12. Magnetos Engage
13. Mixture Smoothly Full Rich

WARM START

5. Prop Area Clear
6. Magnetos Engage
7. Mixture Smoothly Full Rich

AFTER ENGINE START

1. Oil Pressure/Temp check
2. Taxi/Nav lights As required
3. Avionics Master On
4. Altimeter Set
5. Transponder..... Standby
6. Mixture Lean 1 inch
7. Flaps Retract
8. GPS/Radio..... Setup/On & Check Frequency
9. ATIS/AWOS Check
10. Emergency Procedures Review
11. Radio CALL
12. Brakes Release & Check
13. InstrumentsRolling Check

PRE FLIGHT CHECKS

1. Brakes Set
2. Flight Instruments Check
3. Fuel Quantity Check
4. Fuel Selector On both
5. Lights and breakers Check
6. Alternator Test
7. Controls and trim Check
8. Flaps Set for takeoff
9. Departure Procedure
10. Engine Failure Briefing
11. Belts and Doors Secure
12. Nav Aids Tune, identify, test

ENGINE RUN-UP (NOTE: NO CARB HEAT)

1. Oil Pressure/Temp Check
2. Area Clear Check
3. Throttle 1800 rpm
 - a) Mixture Check then rich
 - b) Magnetos Left Right, Both
(max 150 RPM p/mag, difference 50 rpm)
 - c) Oil Pressure/Temperature Check
 - d) Vacuum Check
 - e) Ammeter Check with Load
 - f) Annunciator Panel Clear & Test
4. Throttle Check Idle
5. Throttle 1000 rpm
6. Autopilot Off
7. Throttle Friction Lock Set
8. Mixture Lean 1 inch
9. Radio Call for taxi clearance

PRE TAKEOFF

- Belts, doors, windows Secured
Traffic Check
Call for clearance 118.30
Clearance Received

- Mixture FULL RICH
Transponder to Alt (Mode C)
Taxi light OFF Check
Landing light and strobes ON Check
H.I. Set to runway heading
Go No Go

CRUISE

1. Power Cruise RPM (22-2400 RPM)
2. Mixture Lean
3. Heading Indicator Set to Compass
4. Fuel Management As Required
5. Lights As Required

DESCENT

1. Fuel Selector Both
2. Mixture Set
3. Power Set
4. Altimeter Set
5. Nav/GPS Set

PRO-LANDING

- 1. Seats/Seatbelts Check secure
- 2. Autopilot Off
- 3. Taxi/Landing Lights On
- 4. Engine Instruments Check
- 5. Mags Both
- 6. Master On
- 7. Mixture Rich
- 8. Fuel Selector Both tanks
- 9. Brake Check pressure

AFTER LANDING

- 1. Radio CALL (Down & Clear)
- 2. Throttle 1000 rpm
- 3. Time (wheels down) Note
- 4. Transponder Standby
- 5. Flaps Retract
- 6. Mixture Lean 1 inch
- 7. Landing/Strobe Lights Off
- 8. Trim Set for Takeoff
- 9. Taxi Clearance Ground
- 10. VFR Flight Plan Closed
- 11. Radio CALL

SHUTDOWN AND SECURING

- 1. ELT Check 121.5
- 2. Avionics Master Switch Off
- 3. Throttle 1000 rpm
- 4. Mags Check
- 5. Mixture Idle Cutoff
- 6. Mags Off
- 7. Keys Remove/Hang Key
- 8. Master Off
- 9. Fuel Selector Left tank
- 10. Hobbs and Tach Record
- 11. Control Lock In
- 12. Time Sheet Bring inside

PASSENGER BRIEFING

- 1) Door & seat belt operation
- 2) Passenger exit operation
- 3) Extinguisher location and use
- 4) Smoking limitations
- 5) ELT Location & use
- 6) First aid location & use
- 7) Emergency landing instruction
- 8) Hands, feet away from controls

EMERGENCY BRIEFING

- "Any problem affecting safety on the takeoff roll I will reject the takeoff and call "Reject""
- "Engine failure or fire below 500' AGL, I will land the airplane straight ahead"
- "Engine failure or fire above 500' AGL, I will turn back and land at the airport surface"
- "In the event of an actual emergency (you or I) have control"

TAKEOFF BRIEFING

- Runway to Takeoff
(Rwy 08, Rwy 26, Rwy 15, Rwy 33, etc)
- Wind Condition
(Winds XXX Degrees @ XX KTS, etc)
- Type of Takeoff
(Normal, Short, Soft, Obstacle)
- Departure Procedures
(Climb to 500 or 1000' AGL & turn left/right)
- Calls on the Takeoff
(“Gauges Green, Powers Full, Airspeed Alive)
- Emergency Procedures
(“As Previously Briefed”)