

**PEAK AVIATION CENTER**  
**1360 AVIATION WAY**  
**COLORADO SPRINGS, CO 80916**

**CESSNA 172S CHECKLIST**

**NORMAL LANDING**

1. Airspeed (Wing Flaps Up) - **90 KNOTS**
2. Wing Flaps—**WITHIN WHITE ARC: AS DESIRED**
3. Airspeed (Wing Flaps Down) - **70-75 KNOTS**
4. Touchdown—**MAIN WHEELS FIRST**
5. Braking—**MINIMUM REQUIRED**

**SHORT FIELD LANDING**

1. Airspeed (Wing Flaps Up) - **90 KNOTS**
2. Wing Flaps—**FULL DOWN**
3. Airspeed (Until Flare) - **60 KNOTS**
4. Throttle—**REDUCED TO IDLE AFTER OBSTACLE IS CLEARED**
5. Touchdown—**MAIN WHEELS FIRST**
6. Brakes—**APPLY HEAVILY (AVOID SKIDDING TIRES)**
7. Wing Flaps—**RETRACT**

**GO AROUND**

1. Throttle—**FULL OPEN**
3. Climbing Airspeed—**70 KNOTS**
4. Wing Flaps—**RETRACT TO 20°**
5. Wing Flaps—**RETRACT TO 10° UNTIL OBSTACLES ARE CLEARED**  
**-RETRACT FULLY AFTER REACHING SAFE ALTITUDE**
6. Climbing Airspeed—**73 KNOTS**

**AFTER LANDING**

1. Wing Flaps—**UP**
2. Unnecessary Lights—**OFF**
3. Transponder—**STBY**
4. If Landing was Hard: Comm. Radio—**121.5; CHECK FOR SIGNAL**

**SHUT DOWN AND SECURING AIRPLANE**

1. Avionics Switch—**OFF**
2. Throttle—**IDLE**
3. Magnetos—**CHECK GROUNDING**
4. Throttle—**1,200 RPM**
5. Mixture—**OUT—ENGINE CUTOFF**
6. Throttle—**FULL AFT**
7. Lights—**OFF**
8. Ignition Switch—**OFF**
9. Master Switch—**OFF**
10. Fuel Selector—**LEFT TANK**
11. Control Wheel Lock—**INSTALL**
12. Flight Hour Recorder—**CHECK & RECORD**
13. Personal Items and Trash—**REMOVE**
14. Cabin & Baggage Compartment Doors—**LOCK**
15. Flight Plan—**CLOSE**

**PREFLIGHT**

**CABIN**

1. Parking Brake — **SET**
2. Flight Hour Recorder — **CHECK AND RECORD**
3. "AROW" Documents — **CHECK**
4. Control Wheel Lock — **REMOVE**
5. Fuel Selector Valve — **BOTH**
6. Fuel Shutoff Valve—**ON (PUSH FULL IN)**
7. Elevator Trim Control — **CHECK OPERATION**
8. Static Pressure Alternate Source Valve —**CHECK OPERATION, OFF**
9. Ignition & Avionics Power Switches — **OFF**
10. Master Switch — **ON**
  - a. Fuel Gauges — **CHECK QUANTITY**
  - b. Low Vacuum & Low Voltage Warning Lights — **CHECK ON**
  - c. Lights — **CHECK**
  - d. Avionics Master Switch—**ON**
  - e. Avionics Fan—**LISTEN FOR OPERATION**
  - f. Avionics Master Switch—**OFF**
  - g. Wing Flaps — **EXTEND**
11. Master Switch — **OFF**

**AFT FUSELAGE AND EMPENNAGE**

1. Fuel Tank Sumps Left Tank — **DRAIN & CHECK FUEL—5 SUMPS**
2. Baggage Door — **SECURE**
3. Antennas — **CHECK**
4. Horizontal and Vertical Stabilizers—**CHECK CONDITION**
5. Elevator & Rudder — **CHECK OPERATION & CONDITION**
6. Tail Tie Down — **DISCONNECT**
7. Elevator Trim Tab — **INSPECT**

**RIGHT WING**

1. Flap — **CHECK BACKLASH & CONDITION**
2. Aileron — **CHECK OPERATION & CONDITION**
3. Wingtip & Leading Edge — **INSPECT**
4. Wing Tie Down — **DISCONNECT**
5. Tire, Wheel, & Brake — **CHECK INFLATION & CONDITION**
6. Fuel Tank Sumps — **DRAIN & CHECK FUEL—5 SUMPS**
7. Fuel Tank — **CHECK FUEL QUANTITY & CAP SECURITY**

**NOSE, ENGINE, PROPELLER, & COWLNG**

1. Engine Cowling — **CHECK SECURITY**
2. Oil Level — **CHECK (MIN: 5qt)**
3. Nose Fuel Sumps — **DRAIN & CHECK FUEL—3 SUMPS**

4. Exhaust Stack — **CHECK SECURE**
5. Alternator Drive Belt—**CHECK TENSION**
6. Propeller— **CHECK LEADING EDGE & SECURITY**
7. Spinner—**INSPECT THOROUGHLY FOR CRACKS**
8. Engine Cooling Air Inlets — **CHECK CLEAR**
9. Air Filter — **CHECK CLEAR**
10. Nose Wheel, Strut, & Tire — **CHECK INFLATION & CONDITION**
11. Cowling — **SECURE**
12. Static Air Source Opening — **CHECK CLEAR**

#### LEFT WING

1. Fuel Tank — **CHECK FUEL QUANTITY & CAP SECURITY**
2. Pitot Tube — **CHECK CLEAR**
3. Fuel Tank Vent Tube — **CHECK CLEAR**
4. Stall Warning Opening — **CHECK CLEAR**
5. Landing / Taxi Light—**INSPECT**
6. Wing Tie Down — **REMOVE**
7. Leading Edge and Wingtip — **INSPECT**
8. Aileron — **CHECK OPERATION AND CONDITION**
9. Flap — **CHECK BACKLASH & CONDITION**
10. Tire, Wheel, & Brake — **CHECK INFLATION & CONDITION**

#### BEFORE STARTING ENGINE

1. Brakes — **TEST & SET PARKING BRAKE**
2. Cabin Doors — **CLOSED & LOCKED**
3. Passenger Brief —
  - a. Expected WX and Flight Conditions
  - b. Seatbelt Operations, Wear at All Times
  - c. Headset Operation
  - d. Looking for Aircraft
4. Seatbelts & Shoulder Harnesses — **ADJUST & LOCK**
  - e. Sick Sacks
  - f. Ventilation
  - g. How to Radio for Help
  - h. Emergency Situations

#### STARTING ENGINE

1. Fuel Selector Valve — **RECHECK BOTH**
2. Mixture — **FULL LEAN**
3. Throttle — **CRACKED OPEN**
4. Beacon — **ON**
5. Circuit Breakers — **CHECK IN**
6. Avionics Switch — **OFF**
7. Propeller Area — **VISUAL CHECK AND YELL CLEAR**
8. Master Switch — **ON**
- **IF Engine Is Hot Refer to POH for Hot starting Procedure! --**
9. Priming Procedure (As Required):
  - a. Aux. Fuel Pump Switch—**ON**
  - b. Mixture—**FULL RICH**
  - c. Fuel Flow Gauge—**WATCH FOR MOVEMENT, 3-5 GPH**
  - d. Mixture—**FULL LEAN**
  - e. Aux. Fuel Pump Switch—**OFF**
10. Ignition Switch — **START**
11. Mixture—**ADVANCE WHEN ENGINE FIRES**
12. Ignition Switch—**RELEASE WHEN ENGINE STARTS**
13. Throttle — **800 RPM**
14. Oil Pressure — **CHECK (30 SEC WHEN WARM OUTSIDE; 60 SEC WHEN COLD)**
15. Mixture — **ABOVE 3,000 FT. MSL, LEAN FOR GROUND OPS**
16. Flaps — **UP**
17. Avionics — **ON**
18. Starter — **CHECK DISENGAGED (AMMETER NORMAL)**

#### TAXI

1. Flight Instruments—**SET**
2. Taxi Path — **CLEAR**
3. Parking Break — **OFF**
4. Brakes — **TEST**
5. Flight Controls—**POSITIONED FOR WIND DIRECTION**

#### BEFORE TAKEOFF—RUNUP

1. Nose Wheel — **STRAIGHT**
2. Parking Brake — **SET**
3. Seats, Seatbelts, & Shoulder Harnesses— **SECURE (CHECK INERTIA REEL)**
4. Cabin Doors — **RECHECK CLOSED & LOCKED**
5. Flight Controls — **FREE & CORRECT MOVEMENT**
6. Fuel Gauges — **RECHECK QUANTITY ADEQUATE FOR INTENDED FLIGHT**
7. Fuel Selector Valve — **RECHECK BOTH**
8. Trim Control (s) — **SET FOR TAKEOFF**
9. Throttle — **1800 RPM**
  - a. Mixture — **ADJUST FOR ALTITUDE ABOVE 3,000 FT**
  - b. Circuit Breakers — **RECHECK IN**
  - c. Magnetos — **CHECK (125 RPM MAX. DROP; 50 RPM DIFF.)**
  - d. Annunciator Panel— **TEST, VERIFY NO ANNUNCIATORS REMAIN LIT**
  - e. Alternator — **CHECK (AMMETER & VOLTAGE INDICATOR)**
  - f. Engine Instruments & Suction Gauge — **CHECK**
10. Throttle — **IDLE**
11. Flight Instruments — **CHECK AND SET —**
  - a. Heading Indicator
  - b. Altimeter
  - c. Transponder - **ALT AND CORRECT CODE**
12. Lights—**SET FOR TAKEOFF**
13. Radios — **SET FOR DEPARTURE**
14. Parking Brake — **RELEASE**

#### NORMAL TAKEOFF

1. Wing Flaps — **UP**
2. Throttle — **FULL OPEN**
3. Elevator Control — **BEGIN ROTATION AT 60 KNOTS**
4. Climbing Airspeed — **73 KNOTS**

#### MAXIMUM PERFORMANCE TAKEOFF

1. Wing Flaps — **10°**
2. Brakes — **APPLY & HOLD**
3. Throttle — **FULL OPEN**
4. Mixture—**ADJUST FOR ALTITUDE, MAX RPM**
5. Brakes — **RELEASE**
6. Elevator Control — **SLIGHTLY TAIL LOW, ROTATE AT 60 KNOTS**
7. Climbing Airspeed — **65 KNOTS**

#### ENROUTE CLIMB

1. Airspeed — **72-80 KNOTS**
2. Throttle — **FULL OPEN**
3. Landing Light—**OFF**
4. Mixture—**ADJUST FOR ALTITUDE**

#### CRUISE

1. Throttle — **2300 to 2500 RPM**
2. Trim — **ADJUST AS REQUIRED**
3. Mixture — **ADJUST FOR ALTITUDE**

#### DESCENT / BEFORE LANDING

1. Fuel Selector Valve — **BOTH**
2. Mixture — **ADJUST FOR ALTITUDE**
3. Power — **AS DESIRED**
4. Seat, Seatbelts, & Shoulder Harnesses — **SECURE**
5. Landing Check List — **REVIEW**
6. LGUMPS—**COMPLETE**