CESSNA MODEL 172 S
NORMAL PROCEDURES
CHECKLIST

*This is to be used as a REFERENCE ONLY, it is not a substitute for the Airplane Flight Manual.
*Refer to AFM/POH for amplified procedures. User assumes all risk of use in using this product. User consents to and understands that American Flight Schools bears no liability for the use of this product.

Rotation Speed ....... 55 Vno ................. 129
Vy (SL) ............... 74 Vy (10k) .............. 72
Vx (SL) ............... 62 Vx (10k) .............. 67
Vso .................. 40 Vne .................. 163
Vs ................... 48 Best Glide ........... 68
Vfe (0-10) .......... 110 Va .................. 105-90
Vfe (10-30) ....... 85 Max T/O ...... 2550lbs
Max Xwind ......... 15 Max LND .... 2550lbs

KAPA - Tower 118.9
KAPA - Ground 121.8
KAPA - ATIS 120.3
KAPA - Approach 132.75
KBJC - Tower 118.6
KBJC - Ground 121.7
KBJC - ATIS 126.25
KBJC - Approach 126.1
KFTG - Tower 120.2
KFTG - Ground 124.7
KFTG - ATIS 119.25
FSS 122.2

BEFORE STARTING ENGINE

1. Preflight Inspection COMPLETE
2. Passenger Briefing COMPLETE
3. Seats and Seat Belts ADJUST & LOCK
4. Brakes TEST & SET
5. Circuit Breakers CHECK IN
6. Electrical Equipment OFF
7. Avionics Master Switch OFF
8. Fuel Selector Valve BOTH
9. Fuel Shutoff Valve ON (push full in)
10. Avionics Circuit Breakers CHECK IN

STARTING ENGINE (With Battery)

1. Throttle OPEN ¼ INCH
2. Mixture IDLE CUTOFF
3. Propeller Area CLEAR
4. Master switch ON
5. Flashing Beacon ON
6. Auxiliary Fuel Pump Switch ON
7. Mixture SET to FULL (full forward)
8. Auxiliary Fuel Pump Switch OFF
9. Ignition Switch START (release when engine starts)
10. Mixture ADVANCE

If engine is warm, omit priming procedure of step 6, 7 and 8 below

11. Oil Pressure CHECK
12. Navigation Lights ON as required
13. Avionics Master Switch ON
14. Radios ON
15. Flaps RETRACT

BEFORE TAKEOFF

1. Parking Break SET
2. Passenger Seat Backs MOST UPRIGHT POSITION
3. Seats and Seat Belts CHECK SECURE
4. Cabin Doors CLOSED and LOCKED
5. Flight Controls FREE and CORRECT
6. Flight Instrument CHECK and SET
7. Fuel Quantity CHECK
8. Mixture SET
9. Fuel Selector Valve BOTH
10. Throttle 1800 RPM
   a) Mixture SET
   b) Magneto CHECK (RPM drop should not exceed 150 RPM on either magneto or 50 RPM differential between magneto)
   c) Vacuum Gage CHECK
   d) Engine Instruments and Ammeter CHECK
11. Annunciator Panel CHECK
12. Throttle IDLE
13. Thrust 1000 RPM or LESS
14. Thrust Friction Lock ADJUST
15. Strobe Lights AS DESIRED
16. Radios and Avionics SET
17. NAV/GPS Switch if installed SET
18. Autopilot (if installed) OFF
19. Manual Electric Trim CHECK
20. Elevator Trim SET for takeoff
21. Wing Flaps SET for takeoff (0°-10°)
22. Brakes RELEASE
**NORMAL TAKEOFF**

1. Wing Flaps..........................0°-10°
2. Throttle..............................FULL OPEN
3. Mixture..................................SET
4. Elevator Control ...LIFT NOSE WHEEL
.................................(at 55 KIAS)
5. Climb Speed..........................70 -80 KIAS
6. Wing Flaps............................RETRACT

**SHORT FIELD TAKEOFF**

1. Wing Flaps..............................10°
2. Brakes..................................APPLY
3. Throttle..............................FULL OPEN
4. Mixture..................................SET
5. Brakes..................................RELEASE
6. Elevator Control...SLIGHTLY TAIL LOW
7. Climb Speed..............................56 KIAS
..........(until all obstacles are cleared)
8. Wing Flaps............................RETRACT
..slowly after reaching 60 KIAS

**ENROUTE CLIMB**

1. Airspeed.............................70-85 KIAS
2. Throttle..............................FULL OPEN
3. Mixture..................................SET

**CRUISING**

1. Power.................................2100-2700 RPM
(no more than 75% is recommended)
2. Elevator Trim........................ADJUST
3. Mixture..................................LEAN
4. Lights.................................AS NEEDED

**NORMAL LANDING**

1. Airspeed.............................75 KIAS (flaps UP)
2. Wing Flaps............................AS DESIRED
.............................0°-10°below 110 KIAS
.............................10°-30° below 85 KIAS
3. Airspeed..............................65-70 KIAS (flaps DOWN)
4. Touchdown.........MAIN WHEELS FIRST
5. Landing Roll...LOWER NOSE WHEEL
...............................GENTLY
6. Braking..............................MINIMUM REQUIRED

**SHORT FIELD LANDING**

1. Airspeed..............................65-75 KIAS (flaps UP)
2. Wing Flaps............................FULL DOWN(30°)
3. Airspeed..............................61 KIAS (until flare)
4. Power.................................REDUCE to IDLE
5. Touchdown.........MAIN WHEELS FIRST
6. Brakes.................................APPLY HEAVILY
7. Wings Flaps............................RETRACT

**BALKED LANDING**

1. Throttle..............................FULL OPEN

**AFTER LANDING**

1. Wing Flaps............................UP
2. Mixture..................................SET
3. Lights.................................as needed

**SECURING AIRPLANE**

1. Parking Brake..........................SET
2. Electrical Equipment........................OFF
3. Avionics Master Switch....................OFF
4. Mixture..............................IDLE CUTOFF
5. Ignition Switch........................OFF
6. Master Switch........................OFF
7. Control Lock........................INSTALL
8. Fuel Selector Valve ......LEFT or RIGHT
...............................to prevent cross feeding
9. Wheel chocks........................in place
10. Tie downs........................secure
11. HOBBs & TACH........................record
12. Doors............................locked