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 and 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

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

6. Auxiliary Fuel Pump Switch.....ON
7. Mixture.....SET to FULL (full forward) .....until stable fuel flow is indicated (usually 3 to 5 seconds), then set to IDLE CUTOFF (full aft) position.
8. Auxiliary Fuel Pump Switch.....OFF
9. Ignition Switch.....START(release when .....engine starts)
10. Mixture.....ADVANCE

If engine floods (engine has been primed too much), turn off auxiliary fuel pump, place mixture to idle cutoff, open throttle ½ to full, and motor (crank) engine. When engine starts, set mixture and close throttle promptly.

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

TAXIING

1. Mixture.....Set
2. Transponder.....Set
3. Taxi Light .....ON
4. Taxi area.....CLEAR
5. Brakes .....RELEASE &CHECK

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) Magnetos.....CHECK (RPM drop should not exceed 150 RPM on either magneto or 50 RPM differential between magnetos)
    b)Vacuum Gage.....CHECK
    c) Engine Instruments and Ammeter..... .....CHECK
11. Annunciator Panel.....CHECK
12. Throttle.....CHECK IDLE
13. Throttle.....1000 RPM or LESS
14. Throttle 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

TAKEOFF

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

DESCENT

1. Power……AS DESIRED
2. Mixture……SET
3. Altimeter……SET
4. NAV/GPS Switch……SET
5. Fuel Selector Valve……BOTH
6. Wing Flaps……AS DESIRED ……0°-10° below 110 KIAS ……10°-30° below 85 KIAS

BEFORE LANDING

1. Pilot and Passenger Seat Backs…… ……MOST UPRIGHT POSITION
2. Seats and Seat Belts…… ……SECURED and LOCKED
3. Fuel selector Valve ……BOTH
4. Mixture……RICH
5. Landing/Taxi Lights……ON
6. Autopilot (if installed)……OFF

LANDING

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
2. Wing Flaps……RETRACT TO 20°
3. Climb Speed……60 KIAS
4. Wing Flaps……10°(until obstacles cleared) RETRACT (after reaching a safe altitude and 65 KIAS)

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