



CESSNA 172 S

NORMAL PROCEDURES

CHECKLIST v3-Jan-23

*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	Vref (full).....60-70
Max Xwind.....15	Vref (up).....65-75

Field				
Wx				
Gnd				
Twr				
Appr				
FSS				
Prac.				

Checklist Feedback Form



BEFORE STARTING ENGINE

1. Preflight Inspection.....Complete
2. Aircraft Checkout.....Complete
3. Passenger Briefing.....Complete
4. Seats/Seat Belts.....Adjust/Lock
5. Brakes.....Test/SET
6. Battery Master.....OFF
7. Alternator.....OFF
8. All Electrical Equipment.....OFF
9. Avionics Master.....OFF
10. Circuit Breakers.....IN/TAGGED
11. Fuel Selector Valve.....BOTH
12. Fuel Shutoff Valve.....ON
13. Cabin Doors.....Closed/Locked

STARTING ENGINE

See POH for flooded and external power start procedures

1. Throttle.....OPEN ¼ Inch
2. Mixture.....IDLE CUTOFF
3. Propeller Area....."CLEAR"
4. Battery Master.....ON
5. Alternator.....ON
6. Flashing Beacon.....ON
If engine is warm, omit priming procedure steps 7-11 below
7. Aux. Fuel Pump.....ON
8. Mixture.....FULL RICH
9. Fuel Flow.....Stable
10. Mixture.....IDLE CUTOFF
11. Aux. Fuel Pump.....OFF
12. Starter.....ENGAGE
After engine start, immediately...
13. Starter.....DISENGAGE
14. Mixture.....ADVANCE
15. Oil Pressure.....Check
16. Lights.....ON as required
17. Avionics Master.....ON
18. Radios.....ON/Monitor
19. Flaps.....RETRACT

TAXIING

1. Mixture.....Set for Taxi
2. Transponder.....SET
3. Taxi LightON
4. Taxi area.....Clear
5. Brakes.....RELEASE/Test

BEFORE TAKEOFF (Run-up)

1. Parking Brake.....SET
2. Seat Backs.....Upright
3. Fuel Quantity.....Check
4. Fuel Selector.....Verify BOTH
5. Mixture.....Set for DA
6. Throttle.....1800 RPM
7. Engine Instruments.....Green
8. Magnetos.....Test
<150 Drop & <50 Diff.
9. Vacuum Gauge.....Check
10. Amps.....Positive
11. Annunciator Panel.....Check
12. Throttle.....IDLE Check
Smooth at 600rpm
13. Throttle.....900-1000 RPM
14. Throttle Friction Lock.....Set
15. Radios.....Set
16. Autopilot.....Test/Set
17. Autopilot.....OFF
18. Flight Instruments.....Check/Set
19. Navigation.....Configure
20. Transponder.....Set
21. Flight Controls.....Free/Correct
22. Electric Trim.....Test/Set for Takeoff
23. Wing Flaps.....0°-10°
24. Windows.....Closed/Locked
25. Lights.....As Required
26. Takeoff Briefing.....Complete
27. Brakes.....RELEASE

NORMAL TAKEOFF

1. Wing Flaps.....0°-10°
2. Throttle.....FULL IN
3. Airspeed.....Indicating
4. Eng. Instruments.....GREEN
5. Rotate.....55-60 KIAS
6. Climb Speed.....70-80 KIAS
7. Wing Flaps.....RETRACT

ENROUTE CLIMB

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

CRUISING

1. Power.....As Required
2. Elevator Trim.....Set
3. Mixture.....Set for DA
4. Lights.....As Needed

DESCENT

1. Mixture.....Set for DA
2. Altimeters.....Set
3. Fuel Selector Valve.....BOTH

BEFORE LANDING

1. Seat Backs.....Upright/Locked
2. Seats/Seat Belts.....Adjust/Lock
3. Seat Backs.....Upright
4. Fuel selector Valve.....BOTH
5. Mixture.....SET for Airport
FULL RICH <3000ft
6. Landing/Taxi Lights.....ON
7. Autopilot (if installed).....OFF

LANDING

1. Airspeed (flaps up).....75 KIAS
2. Wing Flaps.....As Desired
0°-10° below 110 KIAS
10°-30° below 85 KIAS
3. Airspeed (down).....65-70 KIAS

BALKED LANDING

1. Throttle.....FULL OPEN
2. Wing Flaps.....RETRACT TO 20°
3. Climb Speed.....60 KIAS
4. Wing Flaps.....10° when clear
5. Climb.....65 KIAS
6. Wing Flaps.....RETRACT

AFTER LANDING

1. Wing Flaps.....UP
2. Mixture.....SET for Taxi
3. Lights.....As Required

SECURING AIRPLANE

1. Parking Brake.....SET
2. All Electrical Equipment.....OFF
3. Avionics Master.....OFF
4. Mixture.....IDLE CUTOFF
5. Magnetos.....OFF
6. Master Batt/Alt.....OFF
7. Beacon Light.....ON
8. Control Lock.....INSTALL
9. Fuel Selector Valve.....LEFT or RIGHT
10. Wheel chocks.....Set
11. Tie downs.....Secure
12. Post-flight.....Complete
13. FSP.....Check-in
14. Windows/Doors.....Closed/Locked

Taxi Lean Procedure

1. Set the throttle control to 1200 RPM.
2. Lean the mixture for maximum RPM.
3. Set the throttle control to an RPM appropriate for ground operations (800 to 1000 RPM recommended).

Takeoff Lean Procedure

Prior to takeoff from fields above 3000 feet pressure altitude, the mixture should be leaned to 50°F rich of peak RPM at full throttle, with the airplane not moving.

Cruise Lean

When cruising or maneuvering at 75% power or less, the mixture may be further leaned until the EGT indicator peaks and is then enriched 50°F.