

# C-172 CESSNA SKYHAWK

## Quick Reference Normal Operating Checklist

For use only with an approved Cessna checklist

### BEFORE ENGINE START

1. Preflight.....Complete
2. Fuel Drain Tool.....Stow
3. Passenger briefing.....Complete
4. Seats.....Adjust and Lock
5. Seat Belt & Harness.....On
6. Brakes.....Set
7. Avionics Master.....Off
8. Circuit Breakers.....In
9. Fuel Selector.....On Both
10. Beacon Light.....On

### ENGINE START

1. Mixture.....Rich
2. Carburetor Heat.....Cold
3. Prime.....2-6 strokes if cold
4. Master.....On
5. Throttle.....Open 1/4 Inch
6. Propeller Area.....Clear
7. Ignition.....To Start
8. Engine RPM.....800
9. Oil Pressure.....In Green

*Note: Oil pressure should be in green arc within 30 seconds summer, 60 seconds winter.*

### BEFORE TAXI

1. Flaps.....Up
2. Avionics Master.....On
3. NAV lights...(Sunset-Sunrise)ON
4. Transponder.....Select ALT for taxiing
5. ATIS.....Listen and Copy
6. Brakes.....Release and Test
7. Communication....GRD or CTAF

### BEFORE TAKEOFF (RUNUP)

1. Brakes.....Set
2. Flight Instruments.....Set
3. Engine Instruments..... In Green
4. Avionics....Set properly for Flight
5. Mixture.....Rich below 3000'
6. Throttle.....1700 RPM
7. Magnetos.....Check Lt and Rt

#### NOTE:

Max drop during mag check is 125 RPM, within 50 RPM of each other.

8. Carburetor Heat.....On, check operation, then Off
9. Engine Instruments.....In Green
10. Ammeter.....Check
11. Suction Gage.....Green Arc
12. Throttle.....800 - 1000 RPM
13. Throttle friction lock.....Adjust
14. Flight Controls.....Free & Correct
15. Doors & Windows.....Secure
16. Transponder.....Proper Code and select ALT
17. Lights.....Strobes ON, Landing Light As Req., NAV....Sunset to Sunrise
18. Pitot Heat.....As Required
19. Brakes.....Release

### AT TAKEOFF

1. Wing Flaps.....0° Normal  
10° Soft field
2. Throttle.....Set Full Power
3. Mixture RICH, lean above 3000'
4. Airspeed.....Rotate at 55 Knots
5. Climb Speed.....Vy 73 Knots  
Vx 59 Knots

### CLIMB

1. Throttle.....Full Power
2. Mixture...Rich, Lean above 3000
3. Trim.....Set for Climb
4. Airspeed.....Vx 59 Knots  
Vy 73 Knots
5. Cruise Climb.....80 Knots

### CRUISE

1. Throttle.....2200 – 2450 RPM
2. Trim.....Set
3. Mixture.....Lean above 3000'
4. Landing Light.....Off

### DESCENT

1. ATIS.....Listen and Copy
2. Altimeter.....Set
3. Throttle.....Set as required
4. Carburetor Heat.....As required
5. Trim.....As Required
6. Mixture.....Rich as Required
7. Fuel Selector.....On Both
8. Avionics.....Set

### BEFORE LANDING

1. Seats, seat belts.....Secure
2. Fuel Selector.....Both
3. Mixture.....Rich
4. Carburetor Heat.....On as Required
5. Landing Light.....As Required

### GO AROUND

1. Throttle.....FULL POWER
2. Carburetor heat.....OFF
3. Flaps.....IMMEDIATELY 20°
4. Climb speed.....55 Knots
5. Flaps up once obstacles CLEAR

### LANDING

1. Flaps 10°.....Below 110 Knots
2. Flaps Full.....Below 85 Knots
3. Normal App.....65 Knots
4. Touchdown....On mainwheels first, lower nose gently
5. Braking.....Minimum required

### AFTER LANDING

1. Flaps.....Up
2. Carburetor Heat.....Off
3. Landing Light.....Off
4. Strobe Lights.....Off

### SHUTDOWN

1. Avionics Master.....Off
2. Throttle.....800-1000 RPM
3. Mixture.....Idle Cut-Off
4. Magnetos.....Off - Key on Dash
5. Master Switch.....Off
6. Control Wheel Lock.....Install
7. Record Hobbs, Tach on invoice
8. Tie Downs.....Install

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**REMEMBER TO CLOSE YOUR VFR FLIGHT PLAN !**