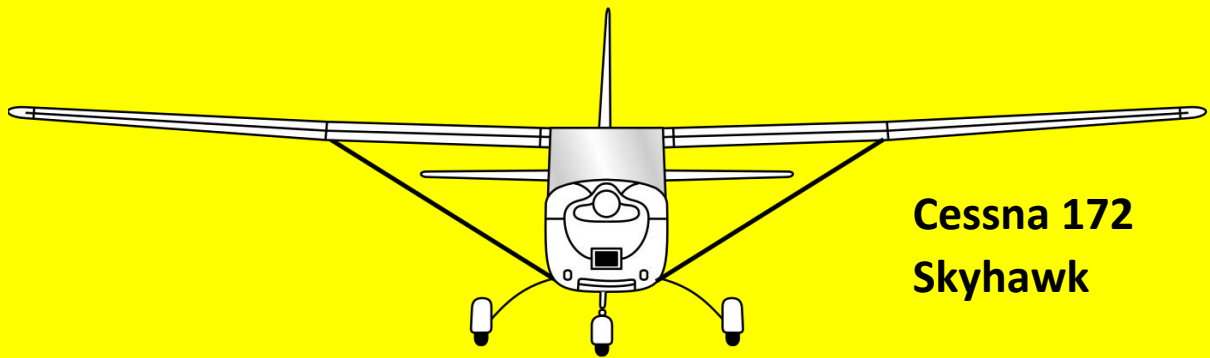


Cessna



**Cessna 172
Skyhawk**

Checklist

LN-HOG





GROUND

Exterior Checklist

- | | | |
|---|---|---------|
| 1. Fuel (wings & filter) | - | Drained |
| 2. Documents | - | Checked |
| 3. Fire extinguisher, first aid & sur.kit | - | Checked |
| 4. Magnetos | - | Off |
| 5. Master switch | - | On |
| 6. Flaps | - | Down |
| 7. Fuel quantity (gauges) | - | Checked |
| 8. Master switch | - | Off |
| 9. Gust lock | - | Removed |
| 10. Doors & windows | - | Checked |
| 11. Baggage door | - | Locked |
| 12. Tail surface | - | Checked |
| 13. Tail section | - | Checked |
| 14. Antennas | - | Checked |
| 15. Right hand flaps | - | Checked |
| 16. Right hand aileron | - | Checked |
| 17. Right hand nav & strobe lights | - | Checked |
| 18. Right hand wing surface | - | Checked |
| 19. Right hand main wheel & brakes | - | Checked |
| 20. Fuel quantity right hand wing | - | Checked |
| 21. Fuel cap right hand wing | - | Secured |
| 22. Oil quantity 5 to 7 quarts | - | Checked |
| 23. Landing lights | - | Checked |



GROUND

Exterior Checklist

- 24. Airfilter - Checked
- 25. Fanbelt & generator - Checked
- 26. Propeller & spinner - Checked
- 27. Nosewheel strut & tire link - Checked
- 28. Engine cowling - Secured
- 29. Static port - Checked
- 30. Fuel quantity left hand wing - Checked
- 31. Fuel cap left hand wing - Secured
- 32. Pitot tube - Checked
- 33. Stall warning - Checked
- 34. Left hand fuel vent - Checked
- 35. Left hand wing surface - Checked
- 36. Left hand nav & strobe lights - Checked
- 37. Left hand ailerons - Checked
- 38. Left hand flaps - Checked
- 39. Left hand main wheel & brakes - Checked

LIGHTS:

- 40. Landing lights - Checked
- 41. Nav & strobe lights - Checked

PASSENGER BRIEFING:

- 42. Evacuation, life jackets - Completed
- 43. Weight & balance - Checked

Checklist Completed



GROUND Engine Startup Checklist

- | | | |
|--------------------------------------|---|---------------------------|
| 1. Preflight inspection | - | Completed |
| 2. Seats & belts | - | Locked & on |
| 3. Parking brake | - | Set |
| 4. Flight controls | - | Free & correct |
| 5. Trim | - | Checked & set |
| 6. Fuel selector | - | Checked on both |
| 7. Circuit breakers | - | Checked in |
| 8. Avionics | - | <u>Both Off</u> |
| 9. Primer (hot – cold) | - | 2-9 then locked |
| 10. Mixture | - | Rich |
| 11. Throttle | - | 1/2cm open |
| 12. Carburetor heat | - | Cold |
| 13. Doors & windows | - | Closed & locked |
| 14. Propeller area | - | Clear left, center, right |
| 15. Master switch (BATT ONLY) | - | On (BATT ONLY) |
| 16. Beacon | - | On |
| 17. Ignition | - | Start |
| 18. Throttle | - | 1000 RPM |
| 19. Oil pressure | - | Checked (30-60) |
| 20. Flaps | - | Checked & up |
| 21. Master ALT and Avionics | - | On |
| 22. Transponder | - | <u>Standby</u> |
| 23. Radios (ATIS – GND – TWR) | - | On |
| 24. Navigation lights | - | As req. |
| 25. Altimeters (QNH) | - | Set |

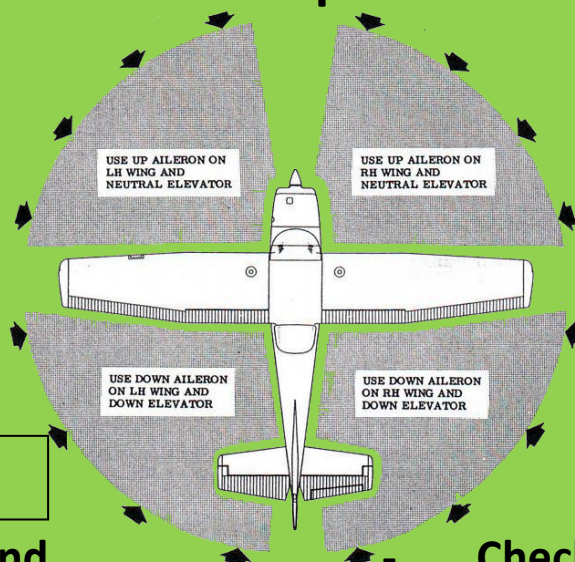
Checklist Completed

GROUND Taxi/Run Up Checklist

TAXI

- | | | |
|-------------------------------|---|-----------------|
| 1. Landing light (night only) | - | On if necessary |
| 2. Brakes | - | Checked |
| 3. Flight instruments | - | Checked |

Checklist Completed



Engine Run Up

- | | | |
|---------------------------------|---|---------------|
| 1. Nose into wind | - | Checked |
| 2. Brakes | - | Checked & set |
| 3. Area free | - | Checked |
| 4. Throttle | - | 1700 RPM |
| 5. Oil pressure/temperature | - | Checked |
| 6. Ammeter | - | Checked |
| 7. Magnetos max 125 drop +/- 50 | - | Checked |
| 8. Carburetor heat (RPM drop) | - | Checked |
| 9. Throttle idle (650-850 RPM) | - | Checked |
| 10. Throttle 1000 RPM | - | Checked |

Checklist Completed



GROUND Take-off Checklist

Before Take-Off

1. Magnetos - On both
 2. Master - On both
 3. Carburetor heat - Off
 4. Mixture - Rich
 5. Fuel selector - On both
 6. Flaps - 0 - 10°
 7. Instruments - Checked
 8. Compass set to rwy hdg - Checked
 9. Transponder - On
 10. Departure briefing - Reviewed
- Engine failure during take-off
 - Outbound routing
11. Take-off time - Logged

Checklist Completed

AIRBORNE

Climb

1. Flaps - Up (300-500')
 2. Mixture - Lean as req.
 3. Engine instruments - Checked
 4. Altimeters - Set
- V_x = 60 KIAS** (Best rate of climb speed)
- V_y = 70 KIAS** (Best angle of climb speed)
- Normal climb = 80 KIAS** (Standardized climb speed HFK/SFK)

Checklist Completed



AIRBORNE

Cruise Checklist

Cruise

- | | | |
|--------------------------|---|--------------|
| 1. Power | - | Set |
| 2. Mixture | - | Lean as req. |
| 3. Engine instruments | - | Checked |
| 4. Fuel quantity/balance | - | Checked |
| 5. Heading | - | Set |

Checklist Completed

Airwork / Stall check

- | | | |
|------------------------|---|---------------|
| 1. Loose articles | - | Secured |
| 2. Altitude | - | Min 3000' AGL |
| 3. Forced landing area | - | Located |
| 4. Seat belts | - | On |
| 5. Fuel selector | - | On both |
| 6. Mixture | - | Rich |
| 7. Instruments | - | Checked |
| 8. Weight & balance | - | Within limits |
| 9. Other traffic | - | Checked |
| 10. Carburetor heat | - | As req. |
| 11. Clearance | - | Received |

Checklist Completed



AIRBORNE

Pre-landing Checklist

Approach

- 1. ATIS - Received
- 2. Altimeter (QNH) - Set
- 3. Heading - Set
- 4. Landing lights - On

Checklist Completed

Pre-landing

- 1. Engine instruments - Checked
- 2. Mixture - Rich
- 3. Fuel selector - On both
- 4. Landing lights - On
- 5. Seats & belts - Adjust/lock
- 6. Flaps - Set
- 7. Carburetor heat - On
before closing throttle

Checklist Completed



AIRBORNE

Pre-landing Checklist

Downwind check

- | | | |
|---|---|---------|
| 1. Primer | - | Locked |
| 2. Magnetos | - | On both |
| 3. Master switch | - | On both |
| 4. Landing lights | - | As req. |
| 5. Carburetor heat (< 2000 RPM) | - | On |
| 6. Mixture | - | Rich |
| 7. Fuel selector | - | On both |
| 8. Brake pressure | - | Checked |
| 9. Harness | - | Checked |
| 10. Doors | - | Locked |

Checklist Completed

Go around

- | | | |
|--------------------|---|--------------|
| 1. Throttle | - | Full power |
| 2. Carburetor heat | - | Off |
| 3. Mixture | - | Rich |
| 4. Flaps | - | Up in stages |
| 5. Trim | - | Set |

Checklist Completed



GROUND Shut Down Checklist

After landing

- | | | |
|--------------------|---|----------------|
| 1. Carburetor heat | - | Off |
| 2. Flaps | - | Up |
| 3. Transponder | - | <u>Standby</u> |
| 4. Lights | - | As req. |
| 5. Radios | - | As req. |
| 6. Landing time | - | Logged |

Checklist Completed

Shut down

- | | | |
|------------------------|---|-----------|
| 1. Throttle | - | 1000 RPM |
| 2. Radios and avionics | - | All off |
| 3. Lights (nav/taxi) | - | Off |
| 4. Throttle | - | 1000 RPM |
| 5. Mixture | - | Full lean |
| 6. Beacon light | - | Off |
| 7. Magnetos | - | Off |
| 8. Master switch | - | Off |
| 9. All switches | - | Off |
| 10. Gust lock | - | As req. |

Checklist Completed



EMERGENCY

In Flight

- Nose down

- Trim for best glide 70 kts

- Select field

- Set course

- Identify

- Primer
- Magnetos
- Master switch
- Carburetor heat
- Mixture
- Fuel selector

- Radio

- Mayday call
- ELT on

- Transponder

- 7700



EMERGENCY

On Ground

FIRE DURING START-UP

- | | | |
|-------------|---|-------------------|
| 1. Starter | - | Continue cranking |
| 2. Mixture | - | Idle cut off |
| 3. Throttle | - | Full open |

If fire continues:

- | | | |
|----------------------|---|--------------|
| 4. Fuel selector | - | Off |
| 5. Magnetos | - | Off |
| 6. Master switch | - | Off |
| 7. Aircraft | - | Evacuate |
| 8. Fire extinguisher | - | As necessary |

Checklist Completed

ENGINE FAILURE ON RWY

- | | | |
|-------------|---|---------------|
| 1. Throttle | - | Idle |
| 2. Brakes | - | Apply to stop |

If insufficient runway:

- | | | |
|------------------|---|--------------|
| 3. Mixture | - | Idle cut off |
| 4. Fuel selector | - | Off |
| 5. Master switch | - | Off |
| 6. Magnetos | - | Off |

Checklist Completed



EMERGENCY

Take-Off

ENGINE FAILURE AFTER TAKE-OFF

- | | | |
|----------------------|---|----------------|
| 1. Speed (nose down) | - | 70 kts |
| 2. Throttle | - | Idle |
| 3. Flaps | - | As required |
| 4. Land | - | Straight ahead |

If insufficient runway:

- | | | |
|------------------|---|--------------|
| 5. Mixture | - | Idle cut off |
| 6. Fuel selector | - | Off |
| 7. Master switch | - | Off |
| 8. Magnetos | - | Off |

Make shallow turns to avoid obstacles
Minimum altitude for 180° turns 700' AGL

Checklist Completed



EMERGENCY

In Flight

ENGINE FAILURE IN FLIGHT

- 1. Fly the aircraft - 70 kts
- 2. Landing area - Select
- 3. Primer - Locked
- 4. Magnetos - Checked
- 5. Carburetor heat - On
- 6. Throttle - Idle
- 7. Mixture - Rich
- 8. Fuel selector - On both
- 9. Mayday call - Completed
- 10. Passengers - Briefed
- 11. Seats & belts - Locked & on
- 12. ELT - On
- 13. Transponder - 7700

Prop rotating

If time and altitude permits:

- 14. Mixture - Idle cut off
- 15. Throttle - Full 3-5 sec
- 16. Mixture (when engine starts) - Rich

Prop not rotating

- 17. Mixture - Idle cut off
- 18. Throttle - 1 cm open
- 19. Ignition - Start
- 20. Mixture (when engine starts) - Rich



EMERGENCY

In Flight

When unable to restart:

EMERGENCY LANDING

- | | | |
|---------------------------------|---|--------------|
| 1. Mixture | - | Idle cut off |
| 2. Fuel selector | - | Off |
| 3. Magnetos | - | Off |
| 4. Master (when flaps selected) | - | Off |
| 5. Doors | - | Open |

Checklist Completed

ENGINE FIRE IN FLIGHT

- | | | |
|----------------------|---|--------------|
| 1. Fuel selector | - | Off |
| 2. Mixture | - | Idle cut off |
| 3. Throttle | - | Full open |
| 4. Cabin heat & vent | - | Closed |

Continue with emergency landing checklist

Checklist Completed



EMERGENCY

On Ground

EMERGENCY EXIT ON GROUND

- | | | |
|-------------------------------------|---|------------|
| 1. Personal equipment | - | Disconnect |
| 2. Doors | - | Open |
| 3. Aircraft (if possible pax first) | - | Abandon |

Checklist Completed

LOSS OF OIL PRESSURE

- | | | |
|-----------------|---|---------|
| 1. Power | - | Reduce |
| 2. Oil pressure | - | Checked |

If unable to bring back oil pressure within limits after
airborne: LAND A.S.A.P.!

Checklist Completed



EMERGENCY

Electrical

ELECTRICAL FIRE

- | | | |
|------------------------|---|------------|
| 1. Master switch | - | Off |
| 2. Electrical switches | - | All off |
| 3. Fire | - | Extinguish |
| 4. Master switch | - | On |
| 5. Radio | - | On |

Checklist Completed

IF VOLTAGE DROP

- | | | |
|---------------------------|---|----------------|
| 1. Electrical load | - | Reduce |
| 2. Alt output / alt field | - | Reset after 3m |

If circuit breakers are not tripped:

- | | | |
|---------------|---|------------|
| 3. Alternator | - | Off 30 sec |
| 4. Alternator | - | On, check |

If no charge:

- | | | |
|--------------------|---|---------|
| 5. Alternator | - | Off |
| 6. Electrical load | - | Minimum |

LAND A.S.A.P.

Checklist Completed

