



## CESSNA MODEL 172 S EMERGENCY PROCEDURES & PREFLIGHT 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.

### ENGINE FAILURES

#### ENGINE FAILURE DURING TAKEOFF

1. Throttle.....IDLE
2. Brakes.....APPLY
3. Wing Flaps.....RETRACT
4. Mixture.....IDLE CUT OFF
5. Ignition Switch.....OFF
6. Master Switch.....OFF

#### ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

1. Airspeed.....70 KIAS (flaps UP)  
.....65 KIAS (flaps DOWN)
2. Mixture.....IDLE CUT OFF
3. Fuel Selector Valve....OFF(Pull Full Out)
4. Ignition Switch.....OFF
5. Wings Flaps.....AS REQUIRED
6. Master Switch.....OFF
7. Cabin Door.....UNLATCH
8. Land.....STRAIGHT AHEAD

### ENGINE FAILURE DURING FLIGHT (Restart Procedures)

1. Airspeed.....68 KIAS
2. Fuel Shutoff Valve.....ON (push full in)
3. Fuel Selector Valve.....BOTH
4. Auxiliary Fuel Pump.....ON
5. Mixture.....RICH
6. Ignition Switch.....BOTH
7. Auxiliary Fuel Pump.....AS NEEDED

### FORCED LANDINGS

#### EMERGENCY LANDING WITHOUT ENGINE POWER

1. Passenger Seat Backs .....UPRIGHT
2. Seats and Seat Belts.....SECURE
3. Airspeed.....70 KIAS (flaps UP)  
.....65 KIAS (flaps DOWN)
4. Mixture.....IDLE CUT OFF
5. Fuel Shutoff Valve.....OFF
6. Ignition Switch.....OFF
7. Wings Flaps.....AS REQUIRED
8. Master Switch.....OFF
9. Doors..UNLATCH PRIOR TO TOUCHDOWN
10. Touchdown.....SLIGHTLY TAIL LOW
11. Brakes.....APPLY HEAVILY

#### PRECAUTIONARY LANDING WITH ENGINE POWER

1. Passenger Seat Backs..... UPRIGHT
2. Seats and Seat Belts.....SECURE
3. Airspeed.....65 KIAS
4. Wing Flaps.....20°
5. Selected Field .....FLY OVER  
*Noting terrain and obstructions, then retract flaps upon reaching a safe altitude and airspeed*
6. Avionics Master Switch .....OFF
7. Wing Flaps.....30°(on final approach)
8. Airspeed.....65 KIAS
9. Master Switch.....OFF
10. Doors..UNLATCH PRIOR TO TOUCHDOWN

11. Touchdown.....SLIGHTLY TAIL LOW
12. Ignition Switch.....OFF
13. Brakes.....APPLY HEAVILY

### FIRES

#### DURING START ON GROUND

1. Ignition Switch.....START, Continue *Cranking to get a start which would suck the flames and accumulated fuel into the engine*  
**If engine starts:**
2. Power.....1800 RPM for a few minutes
3. Engine.....SHUTDOWN  
**If engine fails to start:**
4. Throttle.....FULL OPEN
5. Mixture.....IDLE CUT-OFF
6. Cranking.....CONTINUE
7. Fuel Shutoff Valve.....OFF
8. Auxiliary Fuel Pump Switch.....OFF
9. Fire Extinguisher.....ACTIVATE
10. Engine.....SECURE
  - a) Master Switch.....OFF
  - b) Ignition Switch.....OFF
11. Parking Break.....RELEASE
12. Airplane.....EVACUATE
13. Fire.....EXTINGUISH
14. Fire Damage.....INSPECT

#### ENGINE FIRE IN FLIGHT

1. Mixture.....IDLE CUT-OFF
2. Fuel Selector Valve.....Pull Out (OFF)
3. Auxiliary Fuel Pump Switch.....OFF
4. Master Switch.....OFF
5. Cabin Heat and Air.....OFF
6. Airspeed.....100 KIAS  
(if fire is not extinguished, increase glide speed to find an airspeed within airspeed limitations- which will provide an incombustible mixture)
7. Forced Landing.....EXECUTE

## ELECTRICAL FIRE IN FLIGHT

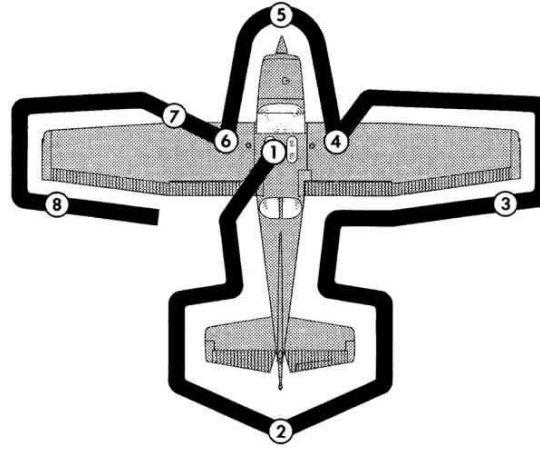
1. Master Switch.....OFF
  2. Vents, Cabin Air, Heat.....CLOSED
  3. Fire Extinguisher.....ACTIVATE
  4. Avionics Master Switch .....OFF
  5. All Other Switches .....OFF  
(except ignition switch)
  6. Vents/Cabin Air/Heat.....OPEN
- If fire has been extinguished and electrical power is necessary for continuance of flight to nearest suitable airport or landing area:*
7. Master Switch.....ON
  8. Circuit Breakers.....CHECK  
.....for faulty circuit, do not reset
  9. Radio Switches.....OFF
  10. Avionics Power Switch.....ON
  11. Radio/Electrical Switches.....ON  
one at a time, with delay after each until  
.....short circuit is localized

## CABIN FIRE

1. Master Switch.....OFF
  2. Vents/Cabin Air/Heat.....CLOSED  
.....(to avoid drafts)
  3. Fire Extinguisher.....ACTIVATE
- After discharging fire extinguisher and ascertaining that fire has been extinguished, ventilate the cabin*
4. Vents/Cabin Air/Heat.....OPEN
  5. Land the airplane as soon as possible

## WING FIRE

1. Landing/Taxi Light Switches.....OFF
  2. Navigation Light Switch.....OFF
  3. Strobe Light Switch.....OFF
  4. Pitot Heat Switch.....OFF
- Perform a sideslip to keep the flames away from the fuel tank and cabin, and land as soon as possible using flaps only as required for final approach and touchdown.*



## PREFLIGHT INSPECTION

### CABIN

1. Pitot Tube Cover.....REMOVE,  
.....Check for pitot stoppage
2. POH .....IN THE AIRPLANE
3. W&B.....CHECKED
4. Parking Brake.....SET
5. Control Wheel Lock.....REMOVE
6. Ignition Switch.....OFF
7. Avionics Master Switch.....OFF
8. Master Switch.....ON
9. Fuel Quantity Indicators.....CHECK
10. Avionics Master Switch.....ON
11. Avionics Cooling Fan.....CHECK  
.....AUDIBLY FOR OPERATION
12. Avionics Master Switch.....OFF
13. Static Alternate Source .....OFF
14. Annunciator Panel Switch.....TST
15. Annunciator Panel Switch.....RELEASE
16. Fuel Selector Valve.....BOTH
17. Fuel Shutoff Valve.....ON
18. Flaps.....EXTEND
19. Pitot Heat.....ON
20. Pitot Heat.....OFF
21. Master Switch.....OFF

22. Elevator Trim.....SET for takeoff
23. Baggage Door.....CHECK, lock with key
24. Autopilot Static Source.....CHECK

### EMPENNAGE

1. Rudder Gust Lock.....REMOVE
2. Tail Tie Down.....DISCONNECT
3. Control Surfaces.....CHECK
4. Trim Tab.....CHECK
5. Antennas.....CHECK

### RIGHT WING (trailing edge)

1. Aileron.....CHECK
2. Flap.....CHECK

### RIGHT WING

1. Wing Tie-Down.....DISCONNECT
2. Main Wheel Tire.....CHECK
3. Fuel Sump Quick Drain Valves .....DRAIN
4. Fuel Quantity.....CHECK
5. Fuel Filler Cap..... SECURE and VENT CLEAR

### NOSE

1. Fuel Strainer Quick Drain Valve...DRAIN
2. Engine Oil Dipstick.....CHECK
3. Engine Cooling Air Inlets.....CLEAR
4. Propeller and Spinner.....CHECK
5. Air Filter.....CHECK
6. Nose Wheel Strut and Tire.....CHECK
7. Left Static Source Opening.....CHECK

### LEFT WING

1. Fuel Quantity.....CHECK VISUALLY
2. Fuel Filler Cap .....SECURE and VENT CLEAR
3. Fuel Sump Quick Drain Valves .....DRAIN
4. Main Wheel Tire.....CHECK

### LEFT WING LEADING EDGE

1. Fuel Tank Vent Opening.....CHECK
2. Stall Warning Opening.....CHECK
3. Wing Tie-Down.....DISCONNECT
4. Landing/Taxi Light(s).....CHECK

### LEFT WING TRAILING EDGE

5. Aileron.....CHECK
6. Flap.....CHECK