



CESSNA 172 S G1000 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 ROLL

1. Throttle Control.....IDLE
2. Brakes.....APPLY
3. Wing Flaps.....RETRACT
4. Mixture Control.....IDLE CUT OFF
5. MAGNETOS Switch.....OFF
6. STBY BATT Switch.....OFF
7. Master Switch.....OFF

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

1. Airspeed.....70 KIAS (flaps UP)
.....65 KIAS (flaps 10°-FULL)
2. Mixture Control.....IDLE CUT OFF
3. Fuel Selector Valve...OFF(Pull Full OUT)
4. MAGNETOS Switch.....OFF
5. Wings Flaps.....AS REQUIRED
6. STBY BATT Switch.....OFF
7. Master Switch.....OFF
8. Cabin Door.....UNLATCH
9. 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. Fuel Pump Switch.....ON
5. Mixture Control.....RICH
6. MAGNETOS Switch.....BOTH or START
7. Fuel Pump Switch.....OFF

FORCED LANDINGS

EMERGENCY LANDING WITHOUT ENGINE POWER

1. Pilot and Passenger Seat Back.....
.....MOST UPRIGHT POSITION
2. Seats and Seat Belts.....SECURE
3. Airspeed.....70 KIAS (flaps UP)
.....65 KIAS (flaps 10°-FULL)
4. Mixture Control.....IDLE CUT OFF
5. Fuel Selector Valve.....OFF
6. MAGNETOS Switch.....OFF
7. Wings Flaps.....AS REQUIRED
8. STBY BATT Switch.....OFF
9. Master Switch.....OFF
.....(when landing is assured)
10. Doors.....UNLATCH PRIOR TO
.....TOUCHDOWN
11. Touchdown.....SLIGHTLY TAIL LOW
12. Brakes.....APPLY HEAVILY

PRECAUTIONARY LANDING WITH ENGINE POWER

1. Pilot and Passenger Seat Backs.....
.....MOST UPRIGHT POSITION
2. Seats and Seat Belts.....SECURE
3. Airspeed.....65 KIAS
4. Wing Flaps.....20°
5. Selected FieldFLY OVER
.....noting terrain and obstructions
6. Wing Flaps.....FULL
7. Airspeed.....65 KIAS
8. STBY BATT Switch.....OFF

9. Master Switch.....OFF
.....(when landing is assured)
10. Doors.....UNLATCH PRIOR TO
.....TOUCHDOWN
11. Touchdown.....SLIGHTLY TAIL LOW
12. Mixture Control.....IDLE CUTOFF
13. MAGNETOS Switch.....OFF
14. Brakes.....APPLY HEAVILY

FIRES

DURING START ON GROUND

1. MAGNETOS Switch.....START
(Continue Cranking to start the engine)

If engine starts

2. Power.....1800 RPM for a few minutes
3. Engine.....SHUTDOWN

If engine fails to start

4. Throttle Control.....FULL
5. Mixture Control.....IDLE CUT-OFF
6. MAGNETOS Switch.....START
7. FUEL SHUTOFF Valve.....OFF
8. FUEL PUMP Switch.....OFF
9. MAGNETOS Switch.....OFF
10. STBY BATT Switch.....OFF
11. MASTER Switch.....OFF
12. Engine.....SECURE
13. Parking Break.....RELEASE
14. Fire Extinguisher.....OBTAIN
15. Airplane.....EVACUATE
16. Fire.....EXTINGUISH
17. Fire Damage.....INSPECT

ENGINE FIRE IN FLIGHT

1. Mixture Control.....IDLE CUT-OFF
2. FUEL SHUTOFF Valve.....OFF
3. Fuel Pump Switch.....OFF
4. Master Switch.....OFF
5. Cabin Vents.....OPEN
6. Cabin Heat and Air.....OFF
7. Airspeed.....100 KIAS
(if fire is not extinguished, increase glide speed to find an airspeed within

airspeed limitations which will provide an incombustible mixture)

8. Forced Landing.....EXECUTE (Refer to Emergency Landing Without Engine Power)

ELECTRICAL FIRE IN FLIGHT

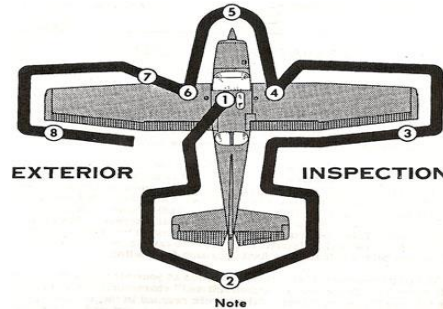
1. STBY BATT Switch.....OFF
2. Mater Switch.....OFF
3. Vents/Cabin Air/Heat.....CLOSED
4. Cabin Air, Heat.....OFF
5. Fire Extinguisher.....ACTIVATE
6. Avionics SwitchOFF
7. All Other SwitchesOFF
(except MAGNETOS switch)
8. Vents/Cabin Air/Heat.....OPEN
If fire has been extinguished and electrical power is necessary for continued flight to nearest suitable airport or landing area
9. Circuit Breakers.....CHECK for OPEN
.....do not reset
10. Master Switch.....ON
11. STBY BATT Switch.....ARM
12. Avionics Switch(BUS 1).....ON
13. Avionics Switch(BUS 2).....ON

CABIN FIRE

1. STBY BATT Switch.....OFF
2. Master Switch.....OFF
3. Vents/Cabin Air/Heat.....CLOSED
(to avoid drafts)
4. Fire Extinguisher.....ACTIVATE
5. Vents/Cabin Air/Heat.....OPEN
6. Land the airplane as soon as possible
.....inspect for damage

WING FIRE

1. LAND and TAXI Light Switches.....OFF
2. Navigation Light Switch.....OFF
3. Strobe Light Switch.....OFF
4. Pitot Heat Switch.....OFF



PREFLIGHT INSPECTION

CABIN

1. Pitot Tube Cover.....REMOVE
2. POHACCESSIBLE TO PILOT
3. Garmin G1000 Cockpit Reference Guide
.....ACCESSIBLE TO PILOT
4. Airplane W&BCHECKED
5. Parking Brake.....SET
6. Control Wheel Lock.....REMOVE
7. Magnetos Switch.....OFF
8. Avionics Switch (BUS 1&2)OFF
9. Master Switch.....ON
10. Primary Flight Display.....CHECK
11. Fuel Quantity.....CHECK
12. Low Fuel L and Low Fuel R Annunciators
.....CHECK
13. Oil Pressure Annunciator.....CHECK
14. Low Vacuum Annunciator.....CHECK
15. Avionics Switch(BUS 1)ON
16. Forward Avionics Fan.....CHECK
17. Avionics Switch(BUS 1)OFF
18. Avionics Switch(BUS 2)ON
19. Aft Avionics Fan.....CHECK
20. Avionics Switch(BUS 2)OFF
21. Pitot Heat Switch.....ON
22. Pitot Heat Switch.....OFF
23. Low Volts Annunciator.....CHECK
24. Master Switch.....OFF
25. Elevator TrimTakeoff Position
26. Fuel Selector Valve.....BOTH
27. Alt Static Air Valve.....OFF
28. Fire Extinguisher.....CHECK

EMPENNAGE

1. Baggage Compartment Door.....LOCK
2. Autopilot Static Source.....CHECK
3. Rudder Gust Lock.....REMOVE
4. Tail Tie Down.....DISCONNECT
5. Control Surfaces.....CHECK
6. Elevator Trim Tab.....CHECK
7. Antennas.....CHECK

RIGHT WING TRAILING EDGE

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

RIGHT WING

1. Wing Tie-Down.....DISCONNECT
2. Main Wheel Tire.....CHECK
3. Fuel Sump Quick Drain ValvesDRAIN
4. Fuel Quantity.....CHECK VISUALLY
5. Fuel Filler CapSECURE and VENT CLEAR

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1. Fuel Strainer Quick Drain Valve..... DRAIN
2. Engine Oil Dipstick/Filler Cap
 - a. Oil level.....CHECK
 - b. Dipstick/Filler cap..... SECURE
3. Engine Cooling Air Inlets.....CLEAR
4. Propeller and Spinner.....CHECK
5. Air Filter.....CHECK
6. Nosewheel Strut and Tire.....CHECK
7. Static Source Opening.....CHECK

LEFT WING LEADING EDGE

1. Fuel Tank Vent Opening.....CHECK
2. Stall Warning Opening.....CHECK
3. Landing/Taxi Light(s).....CHECK

LEFT WING

1. Wing Tiedown.....DISCONNECT
2. Fuel Quantity.....CHECK VISUALLY
3. Fuel Filler CapSECURE and VENT CLEAR
4. Fuel Strainer Quick Drain Valve..... DRAIN
Main Wheel Tire.....CHECK

LEFT WING REAILING EDGE

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