American Flight Schools

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**
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)
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

**ENGINE FAILURES**

**ENGINE FAILURE DURING FLIGHT**

**ENGINE FAILURE DURING TAKEOFF**
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..................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

**ENGINE FAILURE DURING FLIGHT**

**ENGINE FAILURE DURING TAKEOFF**
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..................65 KIAS (flaps UP)
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 Failures**

**ENGINE FAILURE DURING TAKEOFF**
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..................65 KIAS (flaps UP)
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 FAILURES**

**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

**ENGINE FAILURES**

**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 Backs..................MOST UPRIGHT POSITION
2. Seats and Seat Belts..................SECURE
3. Airspeed..................70 KIAS (flaps UP)
4. Mixture Control..................IDLE CUT OFF
5. Fuel Selector Valve...........IDLE CUT OFF
6. MAGNETOS Switch..................OFF
7. Wings Flaps..........................AS REQUIRED
8. STBY BATT Switch..................OFF
9. Master Switch..................OFF
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 Field................FLY OVER
6. Wing Flaps..........................FULL
7. Airspeed..................65 KIAS
8. STBY BATT Switch..................OFF
9. Master Switch..................OFF
10. Doors..........................UNLATCH PRIOR TO TOUCHDOWN
11. Touchdown..................SLIGHTLY TAIL LOW
12. Brakes..........................APPLY HEAVILY

**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
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 Switch........................OFF
7. All Other Switches ......................OFF
8. (except MAGNETOS switch)
9. 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
10. Circuit Breakers.......................CHECK for OPEN

11. Master Switch............................ON
12. STBY BATT Switch.......................ARM
13. Avionics Switch (BUS 1).............ON
14. Avionics Switch (BUS 2).............ON

CABIN FIRE
1. STBY BATT Switch.........................OFF
2. Mater Switch..............................OFF
3. Vents/Cabin Air/Heat...................CLOSED
4. (to avoid drafts)
5. Fire Extinguisher........................ACTIVATE
6. Vents/Cabin Air/Heat...................OPEN
7. Master Switch............................ON
8. Land the airplane as soon as possible

WING FIRE
1. LAND and TAXI Light Switches.......OFF
2. Navigation Light Switch...............OFF
3. Strobe Light Switch......................OFF
4. Pitot Heat Switch........................OFF
5. Avionics Switch (BUS 1).............ON
6. Avionics Switch (BUS 2).............ON
7. Aft Avionics Fan......................CHECK
8. Avionics Switch (BUS 2).............ON
9. Fuel Quantity..................SECURE
10. Fuel System..................DISCONNECT

EMPIENNAGE
1. Baggage Compartment Door.........LOCK
2. Autopilot Static Source..............CHECK
3. Anti-icing Switch......................CHECK
4. Tail Tie Down......................DISCONNECT
5. Control Surfaces......................CHECK
6. Elevator Trim Tab....................CHECK
7. Antennas..........................CHECK

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

NOSE
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 Tie-down........DISCONNECT
2. Fuel Quantity..................CHECK VISUALLY
3. Fuel Filler Cap............SECURE and VENT CLEAR
4. Fuel Strainer Quick Drain Valve.......DRAIN

LEFT WING TRAILING EDGE
1. Aileron..........................CHECK
2. Flap..........................CHECK

PREFLIGHT INSPECTION
CABIN
1. Pitot Tube Cover.......................REMOVE
2. POH ........................ACCESSIBLE TO PILOT
   ACCESSIBLE TO PILOT
4. Airplane W&B ..................CHECKED
5. Parking Brake.......................SET
6. Control Wheel Lock..................REMOVE
7. Magneto 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 Trim ................Takeoff Position
26. Fuel Selector Valve...........BOTH
27. Alt Static Air Valve.............OFF
28. Fire Extinguisher....................CHECK