

C-172 N4394Q

EMERGENCY CHECKLIST



Engine Failure at Takeoff

Throttle.....Idle
Brakes.....Apply
Flaps.....Retract
Mixture.....Idle Cut Off
Ignition Switch.....Off

Engine Failure After Takeoff

Airspeed.....
77-86 MPH (Flaps Up)
70-81 MPH (Flaps Down)
Mixture.....Idle Cut Off
Fuel Selector.....Off
Ignition.....Off
Wing Flaps.....As Required

Engine Failure In Flight (Restart)

Airspeed.....86 MPH
Carb Heat.....On
Fuel Selector.....Both
Mixture.....Rich
Magnetos.....Both
Primer.....In & Locked

Engine Failure In Flight (Landing)

Airspeed.....77-86 MPH (Flaps Up)
70-81 MPH (Flaps Down)
Mixture.....Idle Cut Off
Fuel Selector.....Off
Ignition.....Off
Wing Flaps.....30°
Master Switch.....Off
Doors....Unlatched Prior To Touchdown
Touchdown.....Slightly Tail Low
Brakes.....Apply Heavily

Precautionary Landing With Power

Wing Flaps.....20°
Airspeed.....76 MPH
Select Field..Perform Fly Over Insp n
Radio & Electrical SwitchesOff
Flaps.....30° on Final Approach
Airspeed.....76 MPH
Avionics & Master Switches..... Off
Doors...Unlatched Prior To Touchdown
Touchdown.....Slightly Tail Low
Ignition Switch.....Off
Brakes.....Apply Heavily

Engine Fire During Start

Continue Cranking Engine
If Engine Starts:.....Power
1700 RPM for a few minutes
Engine.....Shutdown and Inspect

If Engine Fails to Start:

Throttle..... Full Open
Mixture.....Idle Cut Off
Cranking.....Continue
Fire ExtinguisherObtain
Master/Ignition/Fuel.....Off
Fire.....Extinguish
Fire Damage.....Inspect

Engine Fire in Flight

Mixture.....Idle Cut Off
Fuel Selector.....Off
Master Switch.....Off
Cabin Heat & Air.....Off
Airspeed.....Up to 160 MPH

(If fire is not extinguished, increase glide speed to find an airspeed, which will provide an incombustible mixture.)

Execute an emergency descent in a 30 degree bank and land w/o Engine Power

Electrical Fire in Flight

Master Switch...Off (Leave Ignition On)
All Other Switches (Except Ignition). Off
Vents/Cabin Air/Heat.....Closed
Fire Extinguisher.....Activate

Warning
After discharging an extinguisher within a closed cabin, ventilate the cabin.

If fire is extinguished & electrical power is necessary

Master Switch.....On
Circuit Breakers...Check for Faulty circuit (Do Not Reset)
Radio/Electrical Switches on one at a time w/ delay after each to locate short.
Vent cabin when assured fire is extinguished

Cabin Fire

Master Switch.....Off
Vents/Cabin Air/Heat.....Closed
Fire Extinguisher.....Activate
Land.....As soon as possible

Warning
After discharging an extinguisher within a closed cabin, ventilate the cabin.

For all in-flight emergencies transmit on 121.5 and explain your situation to whomever responds

Wing Fire

Navigation Lights.....Off
Strobe Lights.....Off
Pitot Heat.....Off
Landing/Taxi Lights.....Off

Lost Communications

Squawk – 7700

Lost Procedures

Climb – To 5,000' minimum
Communicate - 121.5 ask for help
Comply - Follow ATC instructions
Conserve – Reduce power to save fuel

Insufficient Rate of Charge

Low vantage light illuminated ?
Check ammeter.....If less than ZERO
Alternator circuit breaker.....PULL
Alternator switch.....OFF
Electrical load.....REDUCE
Alternator circuit breaker.....RESET
Alternator switch.....ON

Problem still exists

Alternator switch.....OFF
Electrical load.....REDUCE

Land as soon as practical

Throttle Stuck Wide Open

Mixture control – Use a a throttle to regulate fuel delivery to engine.
Idle cut-off when landing is assured

Carb heat - Apply to reduce power

Mags – Switch to L or R to reduce power