

# C-172 N75972

EMERGENCY CHECKLIST



## Engine Failure at Takeoff

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

## Engine Failure After Takeoff

Airspeed.....  
70 KTS (Flaps Up)  
65 KTS (Flaps Down)  
Mixture.....Idle Cut Off  
Fuel Selector.....Off  
Ignition.....Off  
Wing Flaps.....As Required

## Engine Failure In Flight (Restart)

Airspeed.....65 KTS  
Carb Heat.....On  
Fuel Selector.....Both  
Mixture.....Rich  
Magnetos.....Both  
Primer.....In & Locked

## Engine Failure In Flight (Landing)

Airspeed.....65-70 KTS (Flaps Up)  
60-65 KTS (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.....70 KTS  
Select Field..Perform Fly Over Insp n  
Radio & Electrical Switches .....Off  
Flaps.....30° on Final Approach  
Airspeed.....65 KTS  
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 Extinguisher .....Obtain  
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 KTS  
  
(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 valtage 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