

SFFC C172 Emergency Checklist (v.2 January 2023)

FLOODED ENGINE – START

Fuel LEFT
MasterON
Mixture..... IDLE CUTOFF
Throttle FULL OPEN
Ignition START

WHEN ENGINE STARTS

Throttle CLOSED
Mixture RICH

Continue Normal Start Checklist

ENGINE FIRE – GROUND

CONTINUE CRANKING ENGINE

If start 2 MIN 1700 RPM
Engine SHUTDOWN
Mixture..... IDLE CUTOFF
Master OFF
Mags.....OFF
Fuel Selector OFF

IF ENGINE DOES NOT START

Cranking CONTINUE
Throttle FULL OPEN
Mixture..... IDLE CUTOFF
Master OFF
Mags.....OFF
Fuel Selector OFF

EVACUATE and EXTINGUISH FIRE

ENGINE FIRE – IN FLIGHT

Mixture IDLE CUT-OFF
Fuel Selector OFF
Master OFF
Cabin Heat / Air OFF
Airspeed 120+ MPH
Land FORCED LANDING

WING FIRE – IN FLIGHT

Nav Lights OFF
Pitot Heat OFF

LAND ASAP

Flaps UP

Use side slip to keep flames away from fuel and cabin.

ROUGE ENGINE – POWER LOSS

Carb icing CARB HEAT HOT
Magnetos L, R, BOTH
Low Oil P CHECK OIL T

If NORMAL MONITOR and LAND as soon as practicable

If Oil T High / Rising LAND ASAP

POWER LOSS – FUEL

Fuel Selector LEFT / RIGHT

ENGINE FAILURE – TAKEOFF

LOWER NOSE TO GLIDE ATTITUDE

Airspeed 75 MPH FLAPS UP
..... 70 MPH FLAPS DOWN
Mixture IDLE CUT-OFF
Fuel Selector OFF
Magnetos OFF
Flaps 40 or as REQ'D
Master OFF

ENGINE FAILURE – CRUISE

Airspeed 80 MPH
Carb Heat HOT
Mixture RICH
Fuel Selector BOTH
Primer LOCKED
Ignition BOTH / START

FORCED LANDING

Airspeed 75 MPH FLAPS UP
..... 70 MPH FLAPS DOWN
Mixture IDLE CUT-OFF
Fuel Selector OFF
Magnetos OFF
Flaps 40 or as REQ'D
Master OFF
Doors UNLATCH
Touchdown TAIL LOW
BrakesON

OIL HIGH T LOW P

Power.....REDUCE
Land ASAP

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PRECAUTIONARY LANDING

Drag Field.....FLAP20 2000RPM 70MPH

On Final

Radio / ElectricsOFF

Flaps 40 or as REQ'D

Airspeed..... 70 MPH

Master OFF

Doors UNLATCH

Touchdown TAIL LOW

Brakes.APPLY

SHUTDOWN ENGINE

ELECTRICAL FIRE – IN FLIGHT

Master OFF

Avionics / Electrics OFF

Cabin Heat / Air OFF

Vents CLOSED

Fire Extinguisher ACTIVATE

IF ELECTRICAL POWER IS REQUIRED

MasterON IF NEEDED

Circuit Breakers CHECK

DO NO RESET CIRCUIT BREAKERS

Avionics / Electrics..... ON ONE BY ONE

Cabin Heat / Air / Vents..... OPEN

POPPED CIRCUIT BREAKER

If Essential..... RESET ONCE

IF CB POPS AGAIN DO NOT RESET

OVER VOLTAGE WARNING

Alternator CHECK DISCHARGE

MasterOFF then ON

Alternator CHECK

IF LIGHT REACTIVATES

Alternator OFF

Non-essential Electrics.....OFF

Land as soon as practicable
EXPECT <30 MIN POWER FROM
BATTERY FOR RADIOS AND AVIONICS

FLIGHT IN ICING CONDITIONS

Pitot Heat ON

Cabin Heat / Defroster ON FULL

Carb Heat HOT as REQ'D

Throttle HIGH POWER

TURN BACK OR CHANGE ALTITUDE

LAND ASAP

Flaps UP

Airspeed85 MPH

Landing attitude LEVEL

STATIC BLOCKAGE

Alt Static ON

ALT: Underreads in a Climb,

Overreads in a Descent.

ASI: Freezes at last indication.

VSI: Decreases to 0.

PITOT BLOCKAGE

PITOT HEATON

ASI Partial Blockage: Decreases to 0

ASI Complete Blockage: Acts as an

Altimeter

LIGHT GUN SIGNALS

IN AIR

Flashing Green RETURN TO LAND

Solid Green CLEARED TO LAND

Flashing Red.....GIVE WAY / CIRCLE

Solid Red UNSAFE DO NOT LAND

ON GROUND

Flashing Green CLEAR TO TAXI

Solid Green CLEARED FOR T/O

Flashing Red.....TAXI CLEAR LANDING

Solid Red STOP

Flashing White..... RETURN START PT

Flashing RWY VACATE RWY ASAP