

EMERGENCY LANDING

If above 1500' AGL

Squawk	7700
Emergency	DECLARE on 121.5

All altitudes

Seats	UPRIGHT
Seatbelts	SECURE
Mixture	CUTOFF
Fuel Shutoff Valve	OFF
Magnetos	OFF

Landing assured

Flaps	AS REQD
STBY BATT	OFF
Master ALT & BAT	OFF
Doors	UNLATCH

ENGINE FAILURE AFTER TAKEOFF

Airspeed	70
Mixture	CUTOFF
Magnetos	OFF
Flaps	AS REQD
STBY BATT	OFF
Master ALT & BAT	OFF
Cabin Door	UNLATCH
Land	STRAIGHT AHEAD

ENGINE FAILURE IN FLIGHT

Airspeed	68
Best Place to Land	SELECT
Fuel Shutoff Valve	ON (PUSH IN)
Fuel Selector Valve	BOTH
Fuel Pump	ON
Mixture	RICH
Magnetos	BOTH (OR START)

If Power Restored

Fuel Pump	OFF (MONITOR FLOW)
Cruise Checklist	COMPLETE

If Power NOT Restored

Emergency Landing	EXECUTE
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WING FIRE

Exterior Lights	ALL OFF
Pitot Heat	OFF

Sideslip to keep flames away from fuel

ENGINE FIRE DURING START

Starter	CONTINUE CRANKING
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If engine starts

Throttle (for a 2 mins)	1800RPM
Engine	SHUTDOWN / INSPECT

If engine fails to start

Throttle	OPEN
Mixture	CUTOFF
Fuel Shutoff Valve	OFF
Fuel Pump	OFF
Magnetos	OFF
STBY BATT	OFF
Master ALT & BAT	OFF

If fire continues

Aircraft	ABANDON
Fire	EXTINGUISH

ENGINE FIRE IN FLIGHT

Mixture	CUTOFF
Fuel Shutoff Valve	OFF
Fuel Pump	OFF
Master ALT & BAT	OFF
Cabin Vents	OPEN
Cabin Heat/Air	OFF
Airspeed	PITCH FOR V _{no}

If fire extinguished

Emergency Landing	EXECUTE
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ELECTRICAL FIRE IN FLIGHT

STBY BATT	OFF
Master ALT & BAT	OFF
Vents	CLOSED
Cabin Heat/Air	OFF
Fire	EXTINGUISH
All Switches	OFF (Except Mags)

If fire continues

Emergency Descent	EXECUTE
Land	ASAP

After fire is extinguished

Cabin Vents	OPEN
Cabin Heat/Air	ON

If power necessary for continued flight

Circuit Breakers	DO NOT RESET
Master ALT & BAT	ON
STBY BATT	ARM
Avionics BUS 1&2	ON

ALTERNATOR FAILURE

Alternator	OFF
Alt Field Breaker	IN / RESET
Alternator	ON
If alternator still failed	
Alternator	OFF
Avionics BUS1	OFF
Pitot Heat	OFF
All Exterior Lights	OFF
Cabin Pwr 12V	OFF
COM1 and NAV1	SELECT ACTIVE FREQ
Avionics BUS2	OFF (unless in IMC)
Land	WHEN PRACTICAL

FLIGHT INSTRUMENT FAILURE

If after FAF & VMC	
Land	WHEN PRACTICAL
If after FAF & IMC	
Missed Approach	CONSIDER
State Aloud	CONTINUE OR GOING MISSED
If executing Missed, continue to below	
If prior to FAF	
Circuit breakers	CHECK IN
Vac Pressure (if installed)	CHECK
Instrument Crosscheck	COMPLETE
If function not restored	
Assistance	CONSIDER
ATC	NOTIFY
Instrument Crosscheck	CONTINUE
Approach	CONSIDER

PFD FAILURE

Reversionary Mode	PRESS
When Able	
Circuit Breakers	CHECK IN
If function not restored	
Assistance	CONSIDER
ATC	NOTIFY
Instrument Crosscheck	CONTINUE
Approach	CONSIDER

LOST COMMUNICATIONS

Radio	VERIFY FREQ
Volume/Squelch	ADJUST
Push To Talk	VERIFY TX
Comms	CYCLE COM/FREQ
If Comms not re-established	
Squawk	7600
Land	WHEN PRACTICAL
Recall light gun signals	

BEFORE TAXI BRIEF

- *SAFETY***
- SEATBELTS**
Location, function, & when to wear
- AIR VENTS**
Location, function, motion sickness
- FIRE**
Fire extinguisher location and use
- EMERGENCY**
Follow my instructions. Exit procedures
- TALKING**
Sterile cockpit & exchange of controls
- YOUR QUESTIONS**
Questions from passengers

DEPARTURE BRIEF

- ABORTED TAKEOFF**
Abort takeoff for any fires, red annunciators or loss of directional control.
- ENGINE FAILURE BELOW 1000 AGL**
Pitch for VG and land on remaining runway or within 30 degrees of heading.
- ENGINE FAILURE ABOVE 1000 AGL OR TURNED CROSSWIND**
Pitch for VG and return to land on runway, taxiway, or suitable off-field site.