Version 1 PR 28

Emergency Checklists

Engine Failure During Tal	ceoff Roll
Throttle	IDLE
Brakes	APPLY
Flaps	RETRACT
Mixture	CUT-OFF
Magnetos	OFF
Standby battery	OFF
Master (ALT and BAT)	OFF

Engine Failure Immediately After Takeoff

Airspeed	Flaps up: 70 KIAS
F	laps 10°-FULL: 65 KIAS
Mixture	CUT-OFF
Fuel shutoff va	lve OFF (pull full out)
Magnetos	OFF
Flaps	AS REQUIRED (FULL
	recommended)
Standby battery	OFF
Master (ALT ar	nd BAT) OFF
Door	UNLATCH
Land	STRAIGHT AHEAD

Engine Failure During Flight (Restart Procedures)

Airspeed 68 KIAS (best glide speed) Fuel shutoff valve ON (push full in) Fuel selector valve BOTH Fuel pump ON Mixture RICH (if restart has not occurred) **BOTH** If propeller stopped: START, advance throttle slowly, lean mixture as required Fuel pump If fuel flow drops to zero, turn fuel pump back on

Emergency Landing Without Engine Power

Seats, seatbelts UPRIGHT, SECURE Airspeed Flaps up: 70 KIAS Flaps 10°-FULL: 65 KIAS Mixture CUT-OFF Fuel shutoff valve OFF (pull) Magnetos OFF AS REQUIRED (FULL Flaps recommended) Standby battery OFF Master (ALT and OFF (when landing BAT) is assured) UNLATCH BEFORE Doors TOUCHDOWN SLIGHTLY TAIL LOW APPLY HEAVILY Brakes

Precautionary Landing With Engine

Power	
Seats, seatbelts	UPRIGHT, SECURE
Airspeed	65 KIAS
Flaps	20°
Selected field FI	LY OVER, noting terrain
	and obstructions
Flaps F	ULL (on final approach)
Airspeed	65 KIAS
Standby battery	OFF
Master (ALT and	l OFF (when landing
BAT)	assured)
Doors	UNLATCH BEFORE
	TOUCHDOWN
Touchdown	SLIGHTLY TAIL LOW
Mixture	CUT-OFF
Magnetos	OFF
Brakes	APPLY HEAVILY

Radio MAYDAY on 121.5 MHz (Give

Life vests, raft

radio minipi	1 011 12110 111112 (0110
	location, intentions)
Transponder	SQUAWK 7700
Heavy objects (in	SECURE or
baggage area)	JETTISON (if
	possible)
Seats, seatbelts	UPRIGHT, SECURE
Flaps	20°-FULL
Power 30	00 FT/MIN DESCENT
	AT 55 KIAS
If no power avail	able, approach flaps up
70 KIAS or flaps	10° 65 KIAS
Strong wind, heav	y seas: LAND INTO
WIND	
Light wind, heavy	swells: LAND
PARALLEL TO S	WELLS
Doors	UNLATCH
Touchdown	LEVEL ATTITUDE at
esta	ablished rate of descent
Face CUSHI	ON at touchdown with
	folded coat
ELT	ACTIVATE
Airplane EV	ACUATE THROUGH
	CABIN DOORS
	en window and flood
	e pressure so doors can
be opened.	

INFLATE WHEN

CLEAR OF AIRPLANE

Fire During Start o	n Ground
Magnetos switch	START (continue
	cranking to start the
	engine)
If engine starts:	
Power 1800 RP	M for a few minutes
Engine	SHUTDOWN
If engine fails to star	t:
Throttle	FULL
Mixture	CUT-OFF
Magnetos switch	START (continue
	cranking)
Fuel shutoff valve	OFF (pull)
Fuel pump	OFF
Magnetos	OFF
Standby battery	OFF
Master (ALT and	BAT) OFF
Engine	SECURE
Parking brake	RELEASE
Fire extinguisher	OBTAIN
Airplane	EVACUATE
Fire EX	XTINGUISH via fire
	wool blanket, or dirt
Both cases: inspect a	ınd repair damage

Engine Fire in Flight	
Mixture	CUT-OF
Fuel shutoff valve	OFF (pull
Fuel pump	OF
Master (ALT and BAT)	OF
Cabin heat and air OFF (exc	cept overhea
	vents
Airspeed	100 KIA
If fire not extinguished, in	ncrease spee
to find an airspeed, within	n airspeed
limitations, which provid	es an
incombustible mixture	

Refer to Emergency Landing Without

EXECUTE

OFF

ON

ON

before conducting another flight.

Electrical Fire in Flight Standby battery

Engine Power checklist

Forced landing

Master (ALI and BAI)	OF
Vents/cabin air/heat	CLOSI
Fire extinguisher	USI
Avionics (BUS 1 and BUS 2)	OF
All switches (except magnetos)	OF
Vents/cabin air/heat	OPEN
When sure fire is co	mpletely
extinguished	
If fire extinguished and electrica	l power
necessary to continue flight:	
Circuit breakers CHECK, do	not rese
Master (ALT and BAT)	O
Standby battery	O

Cabin Fire

Avionics (BUS 1)

Avionics (BUS 2)

Standby bar	ttery	OFF
Master (AL	T and BAT	T) OFF
Vents/cabin	air/heat	CLOSE (to avoid
		drafts)
Fire extingu	iisher	USE
Vents/cabin	air/heat	OPEN
	When sur	e fire is completely
	extinguisl	ned
Land	ASAP to	inspect for damage

Emergency Checklists

Wing Fire	
Landing, taxi lights	OFF
Nav, strobe lights	OFF
Pitot heat	OFF
NOTE: Sideslip to keep flames awa	y
from fuel tanks and cabin. Land AS	AP
using flaps only as required for fina approach and touchdown.	l
approach and touchdown.	

Inadvertent Icing Encounter During

Pitot heat		ON
Turn or change alti	tude to ob	tain an
OAT less conduciv	e to icing.	
Cabin heat		FULL ON
Defrosters		OPEN
Cabin air		ADJUST
Maximize defi	roster heat	and airflow
Induction icing		MONITOR
Adjust throttle	to hold R	PM. Adjust
mixture as needed for any change in		
power settings	S	
Land	NEAREST	LAIBBULT

With an extremely rapid ice build-up, select suitable off-airport landing site With $\geq 1/4$ inch of ice on the leading edges, prepare for significantly higher stall speed LEAVE RETRACTED Flaps Open left window and scrape ice from

windshield, if necessary for visibility Forward slip if necessary for visibility Approach speed 65-75 KIAS Depending on level of accumulation Perform in level attitude

Avoid missed approaches if possible Missed approaches should be avoided whenever possible

Static Source Blockage (Erroneous Instrument Reading Suspected)

Alternate s	tic PULL ON
Cabin heat	ir PULL ON
Vents	CLOSED
Airspeed	Consult calibration table
-	Section 5 Figure 5-1 of POH

Excessive Fuel Vapor (Fuel Flow Stabilization Procedures)

If flow fluctuates ≥ 1 GPH or power	
surges occur	
Fuel pump	ON
Mixture	ADJUST
as necessary	for smooth operation
Fuel selector valve	SELECT OTHER
	TANK (if symptoms
	continue)
Fuel pump	OFF (after fuel flow
	stabilized)

Landing With a Flat Main Tire

Approach	NORMAL	
Flaps	FULL	
Touchdown GOOI	MAIN TIRE FIRST	
Keep flat tire in air as long as possible		
with aileron control		
Directional control	MAINTAIN using	
	brake on good wheel	

as required

Landing With a Flat Nose Tire

Approach	NORMAL
Flaps	AS REQUIRED
Touchdown	ON MAINS
Hold nosewheel off ground as long as	
possible, maintain full up elevator as	
airplane slows to stop	

HIGH VOLTS or M Bat Amps > 40

5	Master (ALI Only)	OFF
	Reduce Electrical Load checklist	RUN
ON		

LOW VOLTS Annunciator Comes On < 1000 RPM

Throttle 1000 RPM Low voltage annunciator VERIFY OFF If annunciator remains on, run "LOW VOLTS Annunciator On ≥ 1000 RPM' checklist, and have electrical system inspected before next flight

LOW VOLTS Annunciator On ≥ 1000 RPM

Master (ALT o	nly)	OFF
ALT FIELD br	eaker	CHECK IN
Master (ALT a	nd BAT)	ON
LOW VOLTS		VERIFY OF
annunciator)		
M Bus volts	VERIFY	27.5V minimum
3.6 8		DIET I DOCUMENT IN

M Bat amps VERIFY POSITIVE If LOW VOLTS annunciator remains on: Reduce Electrical Load checklist RUN

Reduce Electrical Load Avionics (BUS 1)

l	Pitot heat	OF
ı	Beacon, taxi, nav, strobe lights	OF
	Landing light OFF (use a	s req'd fo
		landing
	Cabin power 12V	OF
1	Note: When M bus volts drops	below
l	20V, the standby battery will so	upply
l	power to the essential bus for a	it least 30
l	minutes	
ı	COM1, NAV1	TUNI
•	COMMANDO JAMANA	CELEC

COM1 MIC and NAV1 SELECT If COM2 MIC and NAV2 are selected when avionics bus 2 is off, the radios cannot be tuned

Avionics (BUS 2) OFF if clear of clouds The following items will not operate: autopilot, COM2, transponder, audio panel, NAV2, MFD

AS SOON AS PRACTICAL Make sure a successful landing is possible before extending flaps. Flap motor is a large electrical load.

Red X - PFD Airspeed Indicator

ADC/AHRS circuit breakers CHECK IN (ESS BUS and AVN BUS 1)

If open, reset circuit breaker. If circuit breaker opens again, do not reset Standby airspeed USE for airspeed indicator information

Red X - PFD Altitude Indicator

ADC/AHRS circuit breakers CHECK IN (ESS BUS and AVN BUS 1) If open, reset circuit breaker. If circuit

breaker opens again, do not reset Standby altimeter CHECK current

barometric pressure SET. USE for altitude information

Red X - PFD Attitude Indicator

ADC/AHRS circuit breakers CHECK IN (ESS BUS and AVN BUS 1)

If open, reset circuit breaker. If circuit breaker opens again, do not reset

Standby attitude USE for attitude indicator information

Red X - Horizontal Situation Indicator

ADC/AHRS circuit breakers CHECK IN (ESS BUS and AVN BUS 1)

If open, reset circuit breaker. If circuit breaker opens again, do not reset Magnetic compass USE for heading

information

PFD1 COOLING or MFD1 COOLING Annunciator(s)

Cabin heat REDUCE (minimum Forward avionics CHECK (feel for airflow from screen on glareshield)

If forward avionics fan failed:

Standby battery OFF unless needed for emergency power

If PFD1 COOLING or MFD1

COOLING annunciator does not go off within 3 minutes or if both annunciators

Standby battery OFF (land as soon as

LOW VACUUM Annunciator Comes

Vacuum indicator CHECK EIS ENGINE page to make sure

> vacuum pointer is within green arc

If vacuum pointer not in green arc or gyro flag shows on standby attitude indicator, do not use standby attitude indicator

High Carbon Monoxide (CO) Level OFF (push full in)

Cubin neut	OTT (Pasir rair iii)	
Cabin air	ON (pull full out)	
Cabin vents	OPEN	
Windows OPEN ((163 KIAS maximum	
,	windows open speed)	
If high CO level remains:		

Land AS SOON AS PRACTICAL