



EMERGENCY CHECKLIST



ENGINE FIRE DURING START

If Engine Starts...	
CONTINUE CRANKING	
Fuel Pump	OFF
Throttle	2000 RPM 3-4 minutes
Mixture	IDLE CUTOFF
Ignition	OFF
Master	OFF

EXIT AIRPLANE

If Engine Does NOT Start...

CONTINUE CRANKING	
Fuel Pump	OFF
Throttle	FULL OPEN
Mixture	IDLE CUTOFF
Master	OFF
Ignition	OFF
Fuel Selector	OFF

EXTINGUISH FIRE/EXIT AIRPLANE

IN-FLIGHT FIRE

Engine Fire

Mixture	IDLE CUTOFF
Fuel Selector	OFF
Master	OFF
Cabin Heat/Air	OFF
Airspeed	115 MPH OR HIGHER

EXECUTE FORCED LANDING

Electrical Fire

Master	OFF
All Other Electrical Switches	OFF
Ignition	ON
Cabin Heat/Air/Vents	CLOSED
Fire Extinguisher	ACTIVATE
Cabin Heat/Air/Vents	OPEN

IF ELECTRICAL POWER IS NEEDED FOR REMAINDER OF FLIGHT, TURN ON MASTER AND AVIONICS ONE BY ONE AS NECESSARY UNTIL SHORT CIRCUIT IS LOCALIZED

LOW OIL PRESSURE

Oil Temp	CHECK
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If Normal...

LAND TO INSPECT ASAP

If Abnormal...

Assume Imminent Engine Failure

EXECUTE EMERGENCY/FORCED LANDING

ENGINE FAILURE

Trim for V _G	83 MPH
Landing Site	LOCATE
Fuel Selector	SWITCH TANKS
Mixture	RICH
Carb Heat	ON
Fuel Pump	ON
Primer	IN AND LOCKED
Ignition Switch	START

If Engine Fails to Restart...

Transponder	7700
Comms	121.5 MAYDAY
Fuel Pump	OFF
Fuel Selector	OFF
Mixture	IDLE CUTOFF
Ignition	OFF
Doors	AJAR
Master	OFF

EXECUTE FORCED LANDING

EXIT AIRPLANE

ROUGH ENGINE/POWER LOSS

Possible Carb Ice

Carb Heat	ON
If Resolved...	
Throttle	ADJUST
Carb Heat	OFF

Possible Fouled Spark Plugs

Ignition	L or R
Mixture	LEAN
Ignition	BOTH

ELECTRICAL MALFUNCTIONS

**Ammeter – HIGH Rate of Charge
Over-voltage Light Illuminates**

Master	TOGGLE
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If light illuminates again, terminate flight

Ammeter – LOW Rate of Charge

**Turn off non-essential electrical equipment
Terminate Flight**

UNPLANNED ICING ENCOUNTER

Pitot Heat	ON
Altitude	CHANGE
Cabin Heat	ON
Throttle	OPEN
Carb Heat	AS REQ'D
Mixture	LEAN IF CARB HEAT USED CONTINUOUSLY



HELPFUL INFORMATION



V SPEEDS (mph)

V _R	65
V _X	74
V _Y	85
Normal Climb	100
V _{SO}	55
V _{S1}	64
V _{FE}	115
V _A Max Gross	129
V _A 1,650 lbs	115
V _{NO}	140
V _{NE}	171
V _G	83
Max Demonstrated X-Wind	17 (15 kts)

Recommended Entry Speeds:

Chandelles/Lazy 8s	120
Steep Turns	115

ICAO FLIGHT PLANS

7. Aircraft ID	Tail Number
8. Flight Rules	I-IFR, V-VFR
Type of Flight	G-Gen. Aviation
9. # of Aircraft	Only if more than 1
Aircraft Type	PA28
Wake Category	L-Light
10. Equipment	/G
13. Dep. Airport	KXXX
Time	Departure Time
15. Cruising Speed TAS	N0XXX
Level	FXXX or AXXX
Route	Insert Rt and Alt/Speed Changes
16. Dest. Airport	KXXX
EET	Est. Elapsed Time
18. Other	0 or RMK/XXX
Endurance	Fuel in Hrs/Min
Persons on Board	# of people
Fill in the rest including PIC Name	

AIRCRAFT INFO

Tire Pressure	24 PSI
Total/Useable Fuel	50/49.5 gal
Oil	6-8 qts
Max Takeoff Weight	2,150 lbs
Basic Empty Wt/Arm	1,359 lbs/84.93
Electrical	12V Alt, Battery 25 Amp/hr

PIREPS

Type	UA-Routine, UUA-Urgent
/OV	Location
/TM	Time
/FL	Altitude/Flight Level
/TP	Aircraft Type
/SK	Sky Cover
/WX	Visibility/Weather
/TA	Temperature (Celsius)
/WV	Wind
/TB	Turbulence
/IC	Icing
/RM	Remarks

MISC INFO

GPS Updates	28 Days
VFR Sectionals IFR Enroute Charts Approach Plates	56 Days

ATC LIGHT GUN SIGNALS

GROUND	SIGNAL	AIR
Cleared for Takeoff		Cleared to Land
Cleared to Taxi		Return for Landing
STOP		Give Way/Circle
Taxi Clear of Runway		Airport Unsafe DO NOT LAND
Return to Starting Point		N/A
Exercise Extreme Caution		Exercise Extreme Caution