

## **ENGINE FAILURE - TAKEOFF**

Airspeed.....	80MPH
Mixture .....	Cut-Off
Fuel Selector Valve .....	Off
Magneto Switch .....	Off
Master Switch .....	Off

## **ENGINE FAILURE - FLIGHT**

Airspeed.....	80MPH
Fuel Selector Valve .....	ON
Mixture .....	Rich
Aux Fuel Pump .....	On
Alt Air .....	On
Ignition Switch.....	Both/L/R/Start Use START if prop not windmilling Cycle Ignition Switch L/R/Both
Forced Landing .....	Execute

## **ENGINE FIRE - FLIGHT**

Mixture .....	Cut-Off
Master Switch .....	Off
Airspeed.....	200MPH Consider using a slip Once fire extinguished, establish best glide speed
Forced Landing .....	Execute

## **FLOODED START**

Throttle.....	Wide Open
Mixture .....	Rich
Fuel Pump (3 Seconds).....	On/Off
Mixture .....	Cut-off
Mag Selector Switch .....	Start
Throttle.....	Retard Slowly until engine fires
Mixture .....	Rich

## **ENGINE FIRE - GROUND**

Cranking.....	Continue <i>Hopefully pull flames into engine</i>
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## **IF ENGINE STARTS**

RPM.....	1800
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## **IF ENGINE FAILS TO START**

Cranking.....	Continue
Throttle.....	Full Open
Fuel Selector Valve .....	Off Continue for several minutes or until flames extinguish
Ignition .....	Off
Master.....	Off
Aircraft .....	Evacuate
Fire Extinguisher.....	Use

## **ELECTRICAL FIRE/SMOKE**

Master Switch.....	Off
Avionics Switch.....	Off
All Electrical Switches.....	Off
Fire .....	Extinguish

## **ONCE FIRE IS EXTINGUISHED**

Circuit Breakers.....	Check
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**DO NOT RESET CB**

## **IF ABSOLUTELY REQUIRED**

Master Switch.....	On
Radio/Elec Switches .....	Min Req'd Minimum required for safe flight

## **FORCED LANDING – W/ POWER**

Landing Area .....	Select/Circle
Radio, Electric Switches .....	Off
Airspeed.....	80MPH
Master Switch.....	Off
Touchdown .....	Slowest Speed
Ignition .....	Off
Brakes.....	As Req'd

## **FORCED LANDING – W/O POWER**

Airspeed.....	80MPH
Seatbelts .....	Secure
Mixture .....	Cut-Off
Fuel Selector Valve .....	Off
Magneto Switch.....	Off
Master Switch.....	Off
Touchdown .....	Slowest Speed
Brakes.....	As Req'd

## **ELECTRICAL MALFUNCTIONS**

### **IF VOLTMETER INDICATES EXCESSIVE CHARGE**

Master Switch.....	Off
Avionics Switch .....	Off
All Electrical Switches .....	Off
Flight .....	Terminate

### **As required for Safety of Flight**

Alternator CB.....	Pull
Master Switch.....	On
Avionics Switch .....	On
Radios .....	Minimum Req'd

### **IF VOLTMETER INDICATES DISCHARGE**

Avionics Switch .....	Off
Master Switch.....	Off
Alt Field CB .....	Check
Master Switch.....	On

### **If VOLTMETER continues to show discharge**

Avionics Switch .....	On
Only Essential Radios .....	On
Flight .....	Terminate

## PRE-TAXI

Controls..... Checked  
Chocks ..... Removed  
Alternate Air ..... Normal  
Fuel Selector ..... Main  
Master Switch ..... On  
Fuel Pump ..... On  
Throttle ..... 1/4  
Mixture ..... Rich  
Fuel Pressure (3-5 Seconds) ..... Checked  
Throttle ..... Closed  
Mixture ..... Cut-Off  
Fuel Pump ..... Off  
Throttle ..... 1/4  
Mag Selector Switch ..... Start  
Mixture (Slowly/Smoothly as engine fires) ..... Rich  
Throttle ..... Set  
Oil Pressure (25psi/115psi) ..... Checked  
Mag Ground ..... Checked  
Avionics/Radio/Txpd़r ..... On  
EFB ..... Set  
Compass ..... Checked  
Fuel Selector ..... Set  
Brakes ..... Checked

## BEFORE TAKEOFF

Seatbelts ..... Secured  
Trim ..... Set  
Altimeter ..... Set  
Fuel Selector ..... Set  
Controls ..... Checked  
Stick ..... Full Aft  
Throttle ..... 1800 RPM  
Mixture ..... Set  
Voltmeter ..... Checked  
Magneto Check (Max 175/50<>) ..... R/L Checked  
Engine Instruments ..... Checked  
Oil Pressure: Min 25psi/Max 115psi  
55-95 normal  
Oil Temperature: Min 20c/Max 118c  
CHT: Min 225F/Max 500F  
Fuel Pressure: Min 2psi/Max 35psi

Throttle ..... Idle  
EFB ..... Set  
\*Flight Plan ..... Opened  
Pre-Takeoff Briefing ..... Complete  
Fuel Pump ..... On

## CLIMB/CRUISE

Airspeed (80-90mph) ..... Checked  
Power ..... Checked/Set  
24/25clb-2350(65%)8.5gph/2450(75%)11  
Engine Instruments ..... Checked  
Fuel Pump ..... Off  
Mixture ..... Set  
75% - 150F Rich 65% - Peak EGT  
CHT =< 435F@75% =< 400F@65%  
\*Flight Plan ..... Opened

## AEROBATICS

Seatbelts/Parachute ..... Secured  
Loose Items/EFB ..... Secured  
Engine Instruments ..... Checked  
G-Meter ..... Reset

## DESCENT/LANDING

(G)Fuel Selector ..... Set  
(M)Mixture ..... Set  
(P)Fuel Pump ..... On  
(S)Seatbelts/Switches ..... Set

## AFTER LANDING/SHUTDOWN

Strobes ..... Off  
Fuel Pump ..... Off  
On Time ..... Noted  
Mag Ground ..... Checked  
Radio ..... Off  
Avionics Switch ..... Off  
Mixture ..... Cut-Off  
Magnetics ..... Off  
Master Switch ..... Off  
Fuel Selector ..... Off  
Circuit Breakers ..... Checked  
\*Flight Plan ..... Closed  
Tach/In Time ..... Checked/Noted

PMP	
120.55	ATIS
125.4	Tower/CTAF
121.90	Ground Control
122.95	Unicom