

ENGINE FAILURE - TAKEOFF

Airspeed 70MPH
Mixture Cut-Off
Fuel Selector Valve Off
Magnetos Off
Master Switch Off

ENGINE FAILURE - FLIGHT

Airspeed 70MPH
Carb Heat On
Fuel Valve Switch Tanks/Both
Mixture Rich
Magnetos Both/L/R

- *Push START if prop not windmilling*
- *Cycle Magneto Switch L/R/Both*

Throttle Adjust
Forced Landing Execute

ENGINE FIRE - FLIGHT

Mixture Cut-Off
Master Switch Off
Cabin heat/air Off
Airspeed 160MPH

- *Increase speed as required to Vne*
- *Consider using a slip to keep flames away from fuselage*
- *Fire extinguished, best glide speed*

Forced Landing Checklist Complete

FLOODED START

Throttle Wide Open
Mixture Off
Starter Engage
Throttle Retard

- *Slowly until engine fires*

Mixture Rich

ENGINE FIRE – GROUND

Cranking Continue

IF ENGINE STARTS

RPM 1800

- *Continue for several minutes*

Fuel Selector Valve Off

IF ENGINE FAILS TO START

Cranking Continue
Throttle Full Open
Fuel Selector Valve Off

- *Continue for several minutes or until flames extinguish*

Magnetos Off
Master Off
Aircraft Evacuate
Fire Extinguisher Use

**5P's: Plan, Pilot, Passengers,
Programming, Plane**

ELECTRICAL FIRE/SMOKE

Master Switch Off
Alternator Off
All Electrical Switches Off
Fire Extinguish

IF ABSOLUTELY REQUIRED

Master Switch On
Alternator 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 70MPH
Master Switch Off
Doors Unlatch
Touchdown Slowest Speed
Magnetos Off
Brakes As Req'd

FORCED LANDING – W/O POWER

Airspeed 70MPH
Seatbelts Secure
Mixture Cut-Off
Fuel Selector Valve Off
Master Switch Off
Magnetos Off
Doors Unlatch
Touchdown Slowest Speed
Brakes As Req'd

ELECTRICAL MALFUNCTIONS

IF AMMETER INDICATES EXCESSIVE CHARGE

Master Switch Off
Alternator Off
All Electrical Switches Off
Flight Terminate

As required for Safety of Flight

Master Switch On
Radio Switch On
Electronics Minimum Req'd

IF AMMETER INDICATES DISCHARGE

All Electrical Switches Off
Alternator Off
Master Switch Cycle
Alternator On

If AMMETER continues to show discharge

Only Essential Radios On
Flight Terminate

PMP	
120.55	ATIS
125.4	Tower/CTAF
121.90	Ground Control

PRE-TAXI

Chocks Removed
 Seats/Belts Secured/Secured
 Controls Checked
 Fuel/Selector (min Fuel ¼ Tank) Checked/Both
 Trim Takeoff
 Throttle Set
 Carb Heat In
 Mixture Rich
 *Nav/Beacon On
 Master Switch On
 Magnetos Both
 Brakes Set
 Prime (see OM for Cold Start) As Req'd
 Prop Clear
 Starter Engage
 Throttle (< 1000 RPM for 3 Min) Set
 Oil Pressure (Min 10psi w/in 30 secs) Checked
 Magnetos Ground Checked
 Alternator (Check positive amps) On
 Txpdr (No 1090ES TX considered) Alt
 Avionics Set
 Mixture (100LL) Lean
 Brakes Checked

BEFORE TAKEOFF

Brakes Set
 Fuel Selector Both
 Trim Set
 Controls Checked
 Flight Instruments (altimeter) Checked
 Suction Checked
 Mixture Rich
 Yoke Full Aft
 Throttle 1600 RPM
 Oil Temperature (Min 75/Max 225) Checked
 Oil Pressure (30-60) Checked
 Ammeter (Positive or Neutral) Checked
 CHT (Min 225/Max 525) Checked
 Mag Check (max 150rpm <> 75) R/L Checked
 Carb Heat Checked/On
 Mixture Set
 Throttle Idle
 NO 1090ES TX (txpdr) Extinguished
 EFB/*Flight Plan Set/Opened
 Pre-TakeOff Briefing/5P's Complete
 Doors/Windows Closed/Latched
 Flaps (0/20 check performance) Set
 Carb Heat Off

CLIMB/CRUISE.

Airspeed Checked
 Climb Vx76-67 / Vy88-79 / Cruise IAS vs. Planned
 Power Checked/Set
 Climb: min: 2250/2450 max S.L. cruise
 Engine Instruments Checked
 Oil: Norm 30-60psi/150F+/Max 225F
 EGT: Norm 700-725 Hottest Cylinder, CHT: 525 Max
 Taxi/Landing Light As Req'd
 Fuel/Mixture (Lean for cruise) Checked/Set

DESCENT

Fuel Selector Both
 Mixture Set
 Amp/Temps/Fuel Checked
 Avionics/Flight Instruments Set
 Seatbelts/Harnesses Secured
 Carb Heat As Req'd
 Approach Speed Noted
 Normal-Short/Soft 75 MPH/70MPH
 Wheel/3pt 80-85MPH/75 MPH
 Taxi/Landing Light On

LANDING

(G)as (Fuel Selector) Checked/Set
 (U)ndercarriage Inflated
 (M)ixture Rich
 (P)rop Rpm Set
 (F)laps Set
 (S)eatbelts/Switches Set

SHUTDOWN

Flaps Up
 Taxi/Landing Light Off
 Carb Heat Off
 On Time Noted
 Radios/Txpdr Off
 Alternator Off
 Magnetos Ground Checked
 Mixture Cut-Off
 *Nav Off
 Magnetos Off
 Master Switch Off
 Headsets ANR off
 Trim Takeoff
 Air Inlets Closed
 *Flight Plan Closed
 Hobbs/Tach Checked/Noted