#### ENGINE FIRE - STARTING

Starter crank engine

Mixture idle cut-off

Throttle open

Electric fuel pump OFF

Fuel selector OFF

#### Abandon if fire continues

##### ENGINE OUT IN FLIGHT

Fuel selector switch to

 tank with fuel

Electric fuel pump ON

Mixture RICH

Carb heat ON

Engine gauges check for

 cause of power loss

Primer locked

Fuel pressure if no fuel

 pressure check

fuel selector

Trim for 73 KIAS

#### Power Restored:

Carb heat OFF

Electric fuel pump OFF

### POWER OFF LANDING

Trim for 73 KIAS

Glide range 10 x altitude

Locate suitable landing site

Manuver to landing site

At 1000 AGL 63 KIAS

 Full flaps

#### When committed to landing:

Ignition OFF

Master Switch OFF

Fuel selector OFF

Mixture idle cut-off

Seat belts/harness tight

Touchdown slowest

### FIRE IN FLIGHT

Source of fire check

**Smoke in cabin (Electrical fire):**

Master Switch OFF

Vents Open

Cabin heat OFF

Land as soon as possible

Engine fire:

Fuel selector OFF

Throttle Closed

Mixture idle cut-off

Electric fuel pump OFF

Heater OFF

Defroster OFF

**Proceed to POWER OFF LANDING**

### LOSS OF OIL PRESSURE

Land ASAP and investigate

**Proceed to POWER OFF LANDING**

LOSS OF FUEL PRESSURE

Electric fuel pump ON

Fuel selector Fullest

### HIGH OIL TEMPERATURE

Land ASAP and investigate

**Proceed to POWER OFF LANDING**

ALTERNATOR FAILURE

Verify failure

Reduce electrical load

Alt circut breakers check

Alt switch cycle

 OFF one second then ON

# SPIN RECOVERY

Throttle idle

Ailerons neutral

Rudder Full opposite

to rotation

Yoke Full forward

Rudder neutral when

 rotation stops

Yoke regain level

 flight

# OPEN DOOR

If both upper & lower latches are open, door will trail slightly open and airspeed will be reduced

To close door in flight:

Airspeed 89 KIAS

Cabin vents closed

Storm window open

Close upper latch

Pull arm rest - close lower latch

ENGINE ROUGHNESS

Carb heat ON

If roughness after 1 minute:

Carb heat OFF

Mixture adjust for smooth

Electric fuel pump ON

Fuel selector switch tanks

Engine gauges check

Magneto L then R then BOTH

Proceed on best Magneto

Proceed to nearest airport

**Proceed to POWER OFF LANDING**

CARBURETOR ICING

Carb heat ON

Mixture adjust

# LIGHT SIGNALS - Ground

Steady **GREEN** – Cleared for Takeoff

Flashing **GREEN** – Cleared for Taxi

Steady **RED** – STOP!

Flashing **RED** – Taxi clear of runway

Flashing **WHITE** – Return to starting point on airport

Alternating **RED/GREEN** – Exercise Extreme Caution

# LIGHT SIGNALS - Flight

Steady **GREEN** – Cleared to Land

Flashing **GREEN** – Return for Landing

Steady **RED** – Give way & circle

Flashing **RED** – DO NOT land

Flashing **WHITE** (Not used)

Alternating **RED/GREEN** – Exercise Extreme Caution