

# ***FIRE ON GROUND***

## **DURING ENGINE START**

1 Cranking ----- CONTINUE

## **IF ENGINE STARTS**

2 Power ----- 1700 RPM FOR A FEW MINUTES

3 Engine ----- SHUT DOWN & INSPECT

## **IF ENGINE FAILS TO START**

4 Throttle ----- FULL OPEN

5 Mixture ----- IDLE CUT-OFF

6 Cranking ----- CONTINUE ( 2 – 3 Min.)

7 Fire Extinguisher ----- OBTAIN / GROUND ATTENDANTS

8 Engine ----- SECURE

a) Master Switch ----- OFF

b) Ignition Switch ----- OFF

c) Fuel Shutoff Valve ----- OFF

7 Fire ----- EXTINGUISH

8 Fire Damage ----- INSPECT FOR DAMAGE

# ***FIRE IN FLIGHT***

## **ENGINE FIRE**

- 1 Mixture ----- IDLE CUT-OFF
- 2 Fuel Shutoff Valve ----- OFF
- 3 Master Switch ----- OFF
- 4 Cabin Air & Cabin Heat (except wing root vents !)----- OFF
- 5 Airspeed ----- 85 KIAS

If fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture !

- 6 Emergency Landing ----- EXECUTE

## **ELECTRICAL FIRE IN FLIGHT (Smoke in the cabin !)**

- 1 Master Switch ----- OFF
- 2 All Radios & Electrical Switches (except Ignition switch) OFF
- 3 Vents & Cabin Air & Cabin Heat ----- OFF
- 4 Fire Extinguisher (if available) ----- ACTIVATE

If fire appears out and electrical power is necessary for continuance of flight !

- 5 Master Switch ----- ON
- 6 Circuit Breakers ----- CHECK FOR FAULTY  
CIRCUIT / DO NOT RESET !
- 7 Radios & Electrical Switches ----- ONE AT A TIME,  
WITH DELAY AFTER EACH, UNTIL FAULTY CIRCUIT IS LOCALIZED

When it is ascertained that fire is completely extinguished !

- 8 Vents & Cabin Air & Cabin Heat ----- OPEN

**LAND AS SOON AS POSSIBLE !**

# ENGINE POWER LOSS IN FLIGHT

- |   |                          |             |
|---|--------------------------|-------------|
| 1 | Airspeed -----           | 60 KIAS     |
| 2 | Carburetor Heat -----    | ON          |
| 3 | Primer -----             | IN & LOCKED |
| 4 | Fuel Shutoff Valve ----- | ON          |
| 5 | Mixture -----            | RICH        |
| 6 | Ignition Switch -----    | BOTH        |
- (or START if propeller is not windmilling !)

## WHEN POWER IS RESTORED

- |   |                       |             |
|---|-----------------------|-------------|
| 7 | Carburetor Heat ----- | AS REQUIRED |
| 8 | Mixture -----         | AS REQUIRED |

## WHEN POWER IS NOT RESTORED

- |    |                         |         |
|----|-------------------------|---------|
| 9  | Airspeed -----          | 60 KIAS |
| 10 | Emergency Landing ----- | EXECUTE |

# EMERGENCY LANDING

*Trimm for best glide speed 60 KIAS @ Flaps Up*

*Locate suitable field*

**MAYDAY CALL**

**Transponder 7700 / ALT**

*When the landing field can easily be reached*

- |   |                                       |                    |
|---|---------------------------------------|--------------------|
| 1 | Seat Belts & Shoulder Harnesses ----- | TIGHTEN            |
| 2 | Fuel Shutoff Valve -----              | OFF                |
| 3 | Mixture -----                         | IDLE CUT OFF       |
| 4 | Throttle -----                        | IDLE               |
| 5 | Ignition Switch -----                 | OFF                |
| 6 | Flaps -----                           | FULL DOWN          |
| 7 | Master Switch -----                   | OFF                |
| 8 | Doors -----                           | UNLATCH            |
| 9 | Speed -----                           | REDUCE FOR LANDING |

# ALTERNATOR FAILURE

**No Alternator output or  
Over Voltage Light illuminates**

- 1 Alternator Switch ----- CHECK ON
- 2 Alternator Circuit Breaker ----- CHECK PUSH IN

**if 1 and 2 are checked ON/IN and still no output**

## ALTERNATOR RECYCLING PROCEDURE

- 3 Electrical Consumers ----- OFF as practicable
- 4 Alternator Switch ----- OFF
- 5 Alternator Switch ----- ON aft. 5-10 sec.
- 6 Alternator Output ----- CHECKED (Ammeter !)

**if still no output**

- 7 Electrical Consumers ----- OFF as practicable

**Land on the nearest Airport as practicable**

# RADIO FAILURE

**NO RADIO CONTACT WITH TWR / ATC**

- 1 Radio ----- ON
- 2 Volume ----- TEST SQUELCH
- 3 Headset / Mike Plugs ----- PLUGED IN

**if still no contact**

- 4 Transponder ----- 7600 / ALT
- 5 Procedure ----- ACCORDING VFR GUIDE

### Air Traffic Control Tower Light Gun Signals

Color and type of signal	Aircraft on the ground	Aircraft in flight
Steady Green	Cleared for take off	Cleared to land
Flashing Green	Cleared for taxi	Return for landing (to be followed by steady green at the proper time)
Steady Red	Stop	Give way to other aircraft and continue circling
Flashing Red	Taxi clear of the runway in use	Airport unsafe - Do Not Land
Flashing White	Return to starting point on airport	Not applicable
Alternating Red and Green	Excise extreme caution	Excise extreme caution