

FIRE ON GROUND

DURING ENGINE START

1 Cranking ----- CONTINUE

IF ENGINE STARTS

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

3 Engine ----- SHUTDOWN & 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 Selector ----- OFF

7 Fire ----- EXTINGUISH

8 Fire Damage ----- INSPECT FOR DAMAGE

FIRE IN FLIGHT

ENGINE FIRE

- 1 Mixture ----- IDLE CUT-OFF
- 2 Fuel Selector ----- OFF
- 3 Master Switch ----- OFF
- 4 Cabin Air & Cabin Heat (except wing root vents !)------ OFF
- 5 Airspeed ----- 100 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 ----- | 65 KIAS |
| 2 | Carburetor Heat ----- | ON |
| 3 | Primer ----- | IN & LOCKED |
| 4 | Fuel Selector ----- | BOTH |
| 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 ----- | 65 KIAS |
| 10 | Emergency Landing ----- | EXECUTE |

EMERGENCY LANDING

Trimm for best glide speed 65 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 Selector ----- | 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