

**ENGINE FIRE DURING START**

|                      |              |
|----------------------|--------------|
| Starter              | CRANK ENGINE |
| Mixture              | IDLE CUT-OFF |
| Throttle             | OPEN         |
| Primer               | OFF          |
| Fuel Selector        | OFF          |
| If Fire Continues... | EVACUATE     |

**ENGINE POWER LOSS DURING T/O**

|   |               |
|---|---------------|
| If Sufficient Runway                                | LAND STRAIGHT |
| <i>If Area is Rough or clear obstacle needed...</i> |               |

Gear UP

***If sufficient altitude to attempt restart...***

|                     |             |
|---------------------|-------------|
| Fuel Selector       | SWITCH TANK |
| Auxiliary Fuel Pump | UNLATCH, HI |
| Mixture             | CHECK RICH  |
| Alternate Air       | OPEN        |

***If power is not regained...***

|                   |         |
|-------------------|---------|
| Power Off Landing | PERFORM |
|-------------------|---------|

**ENGINE POWER LOSS IN FLIGHT**

|                     |                 |
|---------------------|-----------------|
| Fuel Selector       | SWITCH TANK     |
| Auxiliary Fuel Pump | UNLATCH, HI     |
| MIXTURE             | RICH            |
| Alternate Air       | OPEN            |
| Engine Gauges       | CHECK FOR CAUSE |
| If No Fuel Pressure | CHECK TANK/FUEL |

***When Power is Restored...***

|                     |       |
|---------------------|-------|
| Alternate Air       | CLOSE |
| Auxiliary Fuel Pump | OFF   |

***If Power is not Restored...***

|                   |         |
|-------------------|---------|
| Trim              | 97 KIAS |
| Power Off Landing | PERFORM |

**GEAR DOWN EMERGENCY LDG**

|                       |              |
|-----------------------|--------------|
| Landing Gear Selector | DOWN         |
| Throttle              | CLOSE        |
| Mixture               | IDLE CUT-OFF |
| Ignition              | OFF          |
| Master Switch         | OFF          |
| Fuel Selector         | OFF          |
| Seat Belt / Harness   | TIGHT        |

**GEAR UP EMERGENCY LANDING**

|                        |              |
|------------------------|--------------|
| Flaps                  | AS DESIRED   |
| Throttle               | CLOSE        |
| Mixture                | IDLE CUT-OFF |
| Ignition/Master Switch | OFF / OFF    |
| Fuel Selector          | OFF          |
| Seat Belt / Harness    | TIGHT        |

**FIRE IN FLIGHT**

|                |       |
|----------------|-------|
| Source of Fire | CHECK |
|----------------|-------|

***Electrical Fire (smoke in cabin)...***

|               |      |
|---------------|------|
| Master switch | OFF  |
| Vents         | OPEN |
| Cabin Heat    | OFF  |

***Land as soon as practicable.***

**ENGINE FIRE IN FLIGHT**

|                      |              |
|----------------------|--------------|
| Fuel Selector        | OFF          |
| Throttle             | CLOSED       |
| Mixture              | IDLE CUT-OFF |
| Auxiliary Fuel Pump  | CHECK OFF    |
| Heater and Defroster | OFF          |
| Power Off Landing    | PERFORM      |

**LOSS OF OIL PRESSURE**

***Land as soon as possible and investigate.***

***Prepare for power off landing***

**LOSS OF FUEL PRESSURE**

|                     |                  |
|---------------------|------------------|
| Auxiliary Fuel Pump | UNLATCH, HI      |
| Fuel Selector       | CHECK ON FULLEST |

**ENGINE DRIVEN FUEL PUMP FAIL**

|                     |             |
|---------------------|-------------|
| Throttle            | RETARD      |
| Auxiliary Fuel Pump | UNLATCH, HI |
| Throttle            | RESET < 75% |

***If Fuel Flow is NOT re-established***

|                     |     |
|---------------------|-----|
| Auxiliary Fuel Pump | OFF |
|---------------------|-----|

***Land as soon as possible and investigate.***

**HIGH OIL TEMPERATURE**

***Land as soon as possible and investigate.***

***Prepare for power off landing***

**ELECTRICAL FAILURES**

*If ALT Annunciator light is illuminated...*

Ammeter CHECK INOP. ALT.

*If Ammeter shows zero...*

ALT Switch OFF

Electrical Loads REDUCE TO MIN

ALT Circuit Breaker CHECK / RESET

ALT Switch ON

*If power is not restored...*

ALT Switch OFF

Electrical Loads REDUCE TO MIN

*Land as soon as practical.*

**ELECTRICAL OVERLOAD (>20AMP)**

Electrical Load REDUCE

*If Alternator Load is not reduced...*

ALT Switch OFF

*Land as soon as practical.*

**PROPELLER OVERSPEED**

Throttle RETARD

Oil Pressure CHECK

Prop Control FULL DECREASE

*If Any Control Available...*

Prop Control SET

Airspeed REDUCE

Throttle AS RQD

Prop RPM BELOW 2575 RPM

**SPIN RECOVERY**

Rudder FULL OPPOSITE

Control wheel FULL FORWARD

Throttle IDLE

*When Rotation Stops...*

Rudder NEUTRAL

Control wheel SMOOTH LEVEL

**EMERGENCY LANDING GEAR EXT**

Master Switch CHECK ON

Circuit Breakers CHECK

Panel Lights OFF (in daytime)

Gear Indicator Bulbs CHECK / PUSH

*If Ldg Gear doesn't check down and lock...*

Airspeed REDUCE < 88 KIAS

Ldg Gear Selector GEAR DOWN

Emergency Gear PUSH EMER.DOWN

*If Gear has still failed to lock down*

Rudder YAW SIDE TO SIDE

*If Nose Gear will not lock down...*

Speed LOWEST SAFE

Ldg Gear Selector GEAR DOWN

*If Ldg Gear does not check down...*

Ldg Gear Selector RECYCLE UP/DOWN

**OPEN DOOR**

Speed SLOW TO 87 KIAS

Cabin Vents CLOSE

Storm Window OPEN

Side Latch PULL / LATCH

Upper (Top) Latch LATCH

**EMERGENCY DESCENT**

Throttle IDLE

Prop Controls FULL FORWARD

Mixture SET AS RQD

SPEED 103 KIAS

Landing Gear DOWN

Flaps FULL

Speed MAINTAIN 103 KIAS