

**ENGINE FIRE DURING START**

1. Cranking..... CONTINUE  
**IF ENGINE STARTS**
2. Power.....1700 RPM (2 minutes)
3. Engine ..... SHUTDOWN  
**IF ENGINE FAILS TO START**
2. Throttle..... FULLY OPEN
3. Mixture..... CUT-OFF
4. Cranking..... CONTINUE
5. Fire extinguisher ..... OBTAIN
6. Master Switch ..... OFF
7. Ignition Switch..... OFF
8. Fuel Shutoff Valve..... CLOSED
9. Fire ..... EXTINGUISH

**ENGINE FAILURE ON TAKEOFF ROLL**

1. Throttle ..... IDLE
2. Brakes..... APPLY
3. Flaps ..... UP
4. Mixture..... CUT-OFF
5. Ignitions Switch ..... OFF
6. Master Switch ..... OFF

**ENGINE FAILURE AFTER TAKEOFF**

1. Airspeed ..... 60 KIAS
2. Mixture..... CUT-OFF
3. Fuel Shut-Off ..... CLOSED
4. Ignition Switch..... OFF
5. Flaps ..... AS REQUIRED
6. Master Switch ..... OFF (prior touch)

**ENGINE FAILURE IN FLIGHT**

1. Airspeed ..... 60 KIAS
2. Carbu Heat ..... ON
3. Primer ..... IN, LOCKED
4. Fuel Shutoff Valve..... OPEN
5. Mixture..... RICH
6. Ignition Switch..... BOTH  
(START if propeller stopped)

**HIGH OIL TEMPERATURE**

1. Oil Pressure ..... MONITOR  
**If Oil Press is low, expect Engine Failure.**
2. Use MINIMUM POWER
3. Prepare FORCED LANDING

**LOW OIL PRESSURE**

1. Oil Temperature .....MONITOR  
*If Oil temp remains normal, suspect Oil Pressure Indicator Failure*
2. Land.....ASAP  
*If Oil temp High or Rising, Engine failure is imminent.*
2. Use MINIMUM POWER
3. Prepare FORCED LANDING

**FORCED LANDING WITHOUT POWER**

- 1 Airspeed ..... 65(clean) 60(flaps)
2. Mixture..... CUT-OFF
3. Fuel Shutoff Valve ..... OFF
4. Ignition Switch..... OFF
5. Flaps.....AS REQUIRED  
**PRIOR TOUCHDOWN**
6. Master Switch ..... OFF
7. Doors ..... UNLATCH  
**AFTER TOUCHDOWN**
8. Brakes..... APPLY FULLY

**PRECAUTIONARY LANDING**

1. Airspeed ..... 60 KIAS
2. Flaps ..... 10 °
3. Over-fly selected field to inspect.
4. Radio and electrics ..... OFF  
**ON FINAL**
5. Flaps ..... 30 °
6. Airspeed ..... 55 KIAS
7. Master Switch ..... OFF  
**PRIOR TOUCHDOWN**
8. Doors ..... UNLATCH  
**AFTER TOUCHDOWN**
9. Ignition Switch..... OFF
10. Brakes..... APPLY FULLY

**ENGINE FIRE IN FLIGHT**

1. Mixture..... CUT-OFF
2. Fuel Shutoff Valve..... CLOSED
3. Master Switch..... OFF
4. Cabin heat/Air ..... OFF(except rootvents)
5. Airspeed ..... 85 KIAS  
If fire does not extinguish, increase speed
6. Forced Landing ..... EXECUTE

## ELECTRICAL FIRE IN FLIGHT

1. Master Switch..... OFF
2. All Other Switches .... OFF
3. Vents/Cabin air/heat.. CLOSED
4. Fire Extinguisher ..... ACTIVATE
5. Cabin ..... VENTILATE

## WING FIRE

1. Nav Light Switch..... OFF
2. Strobe Light Switch ... OFF
3. Pitot Heat Switch ..... OFF

Perform side slip to keep flames away from fuel tanks, land ASAP without using flaps.

## CABIN FIRE

1. Master Switch..... OFF
2. Vents/ Cabin air/heat. CLOSED
3. Fire Extinguisher ..... ACTIVATE
4. Cabin ..... Ventilate
5. Land ..... ASAP

## HIGH AMMETER (Full Scale)

1. Alternator ..... OFF
2. Alternator CB ..... PULL
3. Nonessential equipment... OFF
4. Land ..... ASAP

## LOW-VOLT LIGHT ILLUMINATED

May be normal during low Rpm conditions, in this case, increase Rpm. In all other cases:

1. Radios ..... OFF
2. Alternator CB ..... CHECK IN
3. Master and Alternator Switch....OFF
4. Master and Alternator Switch....ON
5. Low Voltage Light..... CHECK OUT
6. Radios ..... ON

If Low Voltage Light illuminates again:

7. Alternator ..... OFF
8. Nonessential equipment... OFF
9. Land ..... ASAP

## LANDING WITH A FLAT MAIN TIRE

1. Flaps ..... AS REQUIRED
2. Approach..... NORMAL
3. Touchdown ..... GOOD Tire first

Hold airplane off flat tire as long as possible with ailerons.

## SPIN RECOVERY

1. Ailerons ..... NEUTRAL
  2. Throttle..... IDLE
  3. Rudder ..... FULLY OPPOSITE,  
..... until Rotation stops
  4. Control Wheel ..... BRISKLY FORWARD,  
..... until Rotation stops.
- Rotation Stopped**
5. Rudder ..... NEUTRAL
  6. SMOOTHLY RECOVER FROM DIVE

## DITCHING

1. Transmit MAYDAY on 121.5 MHz, state location and intentions. Squawk 7700.
2. Secure or jettison Heavy Objects

### APPROACH

High Winds.....INTO THE WIND

Light Winds.....PARALLEL TO SWELLS

### FINAL

4. Flaps ..... 30 °
5. Power ..... 300 FPM / 55 KIAS

### PRIOR TOUCHDOWN

6. Cabin Doors ..... UNLATCH

### TOUCHDOWN

7. Attitude..... 300 FPM descend
8. Cushion face at touchdown with folded coat or seat cushion

### EVACUATION

9. Evacuate aircraft. If unable to open doors, open windows to flood cabin and then open doors.
10. Life Vest and Raft ..... INFLATE AFTER LEAVING THE AIRCRAFT

## Glide Distance at 60 KIAS

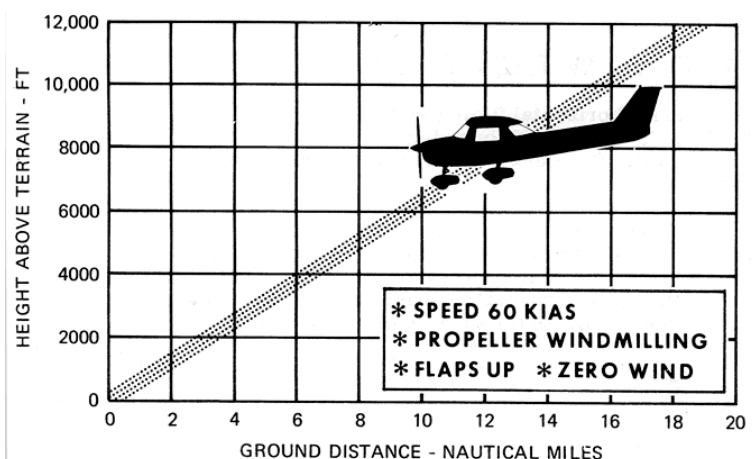


Figure 3-1. Maximum Glide