

**Emergency Checklist****C-172R****Engine Troubleshoot**

Fuel Selector: BOTH  
 Mixture: RICH  
 Throttle: HALF OPEN  
 Fuel Pump: ON  
 Ignition: CYCLE MAGNETOS

**Engine Secure**

Fuel Selector: OFF  
 Mixture: IDLE CUT-OFF  
 Throttle: CLOSED  
 Fuel Pump: OFF  
 Magnetos: OFF

**Emergency Landing Without Power**

Airspeed: BEST GLIDE  
 Flaps: EXTENDED(If Necessary)  
 Master Switch: OFF  
 Door: LATCHED OPEN

**Engine Fire During Start****If Engine Has Not Started:**

Cranking: CONTINUE  
 Mixture: IDLE CUT-OFF  
 Throttle: OPEN

**If Engine Starts:**

Throttle: 2000 RPM  
 Mixture: IDLE CUT-OFF  
 Fuel Selector: OFF

**Engine Fire In Flight**

Fuel Selector: OFF  
 Mixture: IDLE CUT-OFF  
 Master Switch: OFF  
 Vents/Cabin Heat: OFF  
 If Fire Persists:  
 Airspeed: EMERGENCY DESCENT

**Electrical Fire In Flight**

Master Switch: OFF  
 Vents/Cabin Heat: OFF  
 If Fire Persists:  
 Airspeed: EMERGENCY DESCENT

<b>LIGHT GUN SIGNAL</b>	<b>ON GROUND</b>	<b>IN FLIGHT</b>	<b>Transponder Codes</b>
Steady Green	Cleared for takeoff	Cleared to land	7700 - General Emergency
Flashing Green	Clear to taxi	Return to land	7600 - Radio Failure
Steady Red	STOP	Give way	7500 - Hijack
Flashing Red	Taxi clear of runway	Do not land	
Alt. Red & Green	Warning - Use Caution	Warning - Use Caution	Emergency Freq -121.5

**Abnormal Checklist****Electrical Faults****Excessive Rate Of Charge:**

Alternator Switch: OFF  
 Non-Essential Equip: OFF

**LAND AS SOON AS PRACTICABLE****Volts Annunciator Illuminates/Ammeter Discharge:**

Voltmeter: 24.5 TO 28.5 VOLTS  
 Alternator CB: CHECKED  
 Master Switch : CYCLED  
 Volts Annunciator: CHECKED

**LAND AS SOON AS PRACTICABLE****After Electrical Fire****If Electrical Power Is Necessary:**

Avionics Switch: OFF  
 All Other Switches : OFF  
 Master Switch: ON  
 Circuit Breakers: DO NOT RESET  
 Avionics Switch: ON  
 Electrical Switches: ON (One At A Time)  
 Ventilation: OPEN (CLOSED)

C172 Airspeeds KIAS  
 Emergency Descent 163  
 Best Glide 65

Va 99-82  
 Vfe 85  
 Vfe 10 Degrees 110  
 Vne 163  
 Vno 129  
 Vso 33  
 Vs 44  
 Vx 60  
 Vy 79  
 Cruise Climb 85  
 Short Field Landing 60  
 Normal Rotation 60  
 Normal Approach 65

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