

# C-172S EMERGENCY CHECKLIST

ENGINE FIRE DURING FLIGHT	ENGINE FAILURE IN FLIGHT
MIXTURE.....IDLE CUTOFF	<i>TURN TOWARDS SAFE TERRAIN</i>
FUEL SELECTOR.....OFF	<b>AIRSPEED</b> .....68 KNOTS
ALT & BAT MASTERS.....OFF	<b>BEST LANDING SPOT</b> .....SELECT
CABIN HEAT & AIR.....OFF	<b><u>CHECKLIST RESTART ITEMS</u></b>
OVERHEAD VENTS.....OPEN	FUEL SELECTOR.....BOTH
AIRSPED.....105 KNOTS or MORE	FUEL SHUTOFF VALVE.....PUSH IN
EMERGENCY DESCENT & LANDING.....EXECUTE	MIXTURE.....RICH
<b>LOW VOLTAGE LIGHT ILLUMINATES</b>	THROTTLE.....OPEN AT LEAST 1/2"
<i>Ammeter Indicates Discharge</i>	FUEL PUMP.....ON
AVIONICS MASTER.....OFF	MASTER SWITCH.....ON
ALTERNATOR CB(ALT FLD).....CHECK IN	MAGNETOS.....BOTH or START
ALT & BAT MASTERS.....OFF	<i>If engine does not start, advance throttle slowly from idle until a start is obtained.....If no start...</i>
ALT & BAT MASTERS.....ON	<b>DECLARE EMERGENCY</b>
LOW VOLTS LIGHT.....CHECK OFF	SQUAWK.....7700
AVIONICS MASTER.....ON	COMMUNICATE.....ON 121.5
<i>VOLTS illuminates again....</i>	<b>EMERGENCY LANDING IN FLIGHT</b>
ALT MASTER.....OFF	SEATS/BELTS.....SECURE
ELECTRICAL LOAD.....REDUCE	<i>AIRSPEED</i>
DIVERT.....NRST ALTERNATE	0° - 10°.....65 KNOTS
<b>AMMETER SHOWS EXCESSIVE CHARGE</b>	10° - FULL.....60 KNOTS
ALTERNATOR MASTER.....OFF	MIXTURE.....IDLE CUTOFF
ELECTRICAL LOAD.....REDUCE	FUEL PUMP.....OFF
DIVERT.....NRST ALTERNATE	FUEL SELECTOR.....OFF
<b>V-SPEEDS</b>	MAGNETOS.....OFF
BEST GLIDE.....68 KNOTS	FLAPS.....AS REQUIRED
V <sub>so</sub> .....40 KNOTS	ALT & BAT MASTERS.....OFF
V <sub>s1</sub> .....48 KNOTS	DOORS.....PROP OPEN
V <sub>r</sub> .....55 KNOTS	<b>CABIN/ELECT FIRE INFLIGHT</b>
V <sub>x</sub> .....62 KNOTS	EMERG DESCENT.....INITATE
V <sub>y</sub> .....74 KNOTS	ALT & BAT MASTERS.....OFF
V <sub>a</sub> .....90-105 KNOTS	CABIN HEAT/DEFROST.....OFF
V <sub>fe</sub> .....0 - 10°.....110 KNOTS	AVIONICS MASTER.....OFF
V <sub>fe</sub> .....10 - 30°.....85 KNOTS	ELECT EQUIP.....OFF
V <sub>no</sub> .....129 KNOTS	FIRE EXTINGUISHER.....PULL PIN/SQUEEZE HANDLE
V <sub>ne</sub> .....163 KNOTS	<i>If fire is completely extinguished...</i>
Enroute Climb.....75-85 KNOTS	EMERG DESCENT.....TERMINATE
Approach Speed.....65 KNOTS	WINDOWS.....OPEN
	DIVERT.....NRST ALTERNATE

***This checklist is for training purposes only! Please refer to the POH for more complete information***

*If fire is NOT extinguished, land immediately*