

C-172S EMERGENCY CHECKLIST

ENGINE FIRE DURING FLIGHT		ENGINE FAILURE IN FLIGHT	
MIXTURE.....	IDLE CUTOFF	TURN TOWARDS SAFE TERRAIN	
FUEL SELECTOR.....	OFF	AIRSPEED.....	68 KNOTS
ALT & BAT MASTERS.....	OFF	BEST LANDING SPOT.....	SELECT
CABIN HEAT & AIR.....	OFF	CHECKLIST RESTART ITEMS	
OVERHEAD VENTS.....	OPEN	FUEL SELECTOR.....	BOTH
AIRSPEED.....	105 KNOTS or MORE	FUEL SHUTOFF VALVE.....	PUSH IN
EMERGENCY DESCENT & LANDING.....	EXECUTE	MIXTURE.....	RICH
LOW VOLTAGE LIGHT ILLUMINATES		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	DECLARE EMERGENCY	
LOW VOLTS LIGHT.....	CHECK OFF	SQUAWK.....	7700
AVIONICS MASTER.....	ON	COMMUNICATE.....	ON 121.5
<i>VOLTS illuminates again....</i>		EMERGENCY LANDING IN FLIGHT	
ALT MASTER.....	OFF	SEATS/BELTS.....	SECURE
ELECTRICAL LOAD.....	REDUCE	AIRSPEED	
DIVERT.....	NRST ALTERNATE	0° - 10°	65 KNOTS
AMMETER SHOWS EXCESSIVE CHARGE		10° - FULL.....	60 KNOTS
ALTERNATOR MASTER.....	OFF	MIXTURE.....	IDLE CUTOFF
ELECTRICAL LOAD.....	REDUCE	FUEL PUMP.....	OFF
DIVERT.....	NRST ALTERNATE	FUEL SELECTOR.....	OFF
V-SPEEDS		MAGNETOS.....	OFF
BEST GLIDE.....	68 KNOTS	FLAPS.....	AS REQUIRED
Vso.....	40 KNOTS	ALT & BAT MASTERS.....	OFF
Vs1.....	48 KNOTS	DOORS.....	PROP OPEN
Vr.....	55 KNOTS	CABIN/ELECT FIRE INFLIGHT	
Vx.....	62 KNOTS	EMERG DESCENT.....	INITIATE
Vy.....	74 KNOTS	ALT & BAT MASTERS.....	OFF
Va.....	90-105 KNOTS	CABIN HEAT/DEFROST.....	OFF
Vfe.....0 - 10°	110 KNOTS	AVIONICS MASTER.....	OFF
Vfe.....10 - 30°	85 KNOTS	ELECT EQUIP	OFF
Vno.....	129 KNOTS	FIRE EXTINGUISHER.....	PULL PIN/SQUEEZE HANDLE
Vne.....	163 KNOTS	<i>If fire is completely extinguised...</i>	
Enroute Climb.....	75-85 KNOTS	EMERG DESCENT.....	TERMINATE
Approach Speed.....	65 KNOTS	WINDOWS.....	OPEN
		DIVERT.....	NRST ALTERNATE
<i>If fire is NOT extinguished, land immediately</i>			

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