

N9520D CESSNA 172 R

EMERGENCY PROCEDURES / INFO

BEFORE START		BEFORE TAKE-OFF		BEFORE LANDING	
Pre-flight	COMPLETE	Parking Brake	SET	Auto-Pilot	OFF
Parking Brake	SET	Auto-Pilot	OFF	Hdng Indicator	SET TO COMP
Seatbelts / Harnesses	ON	Flight Controls	FREE / CORRECT	ATIS/AWOS	RECORD
Circuit Breakers	CHECK	Trim	TAKE - OFF	Altimeter	SET
Fuel Selector	CYCLE / BOTH	Mixture	RICH	Heading Bug	SET TO RWY
Mixture	IDLE CUT-OFF	Throttle	1800 RPM	Landing Light	ON
Throttle	OPEN 1/2 INCH	Mixture (above 3000 ft)	LEAN	Mixture	RICH
Beacon	ON	Magnetos	125 / 50	Fuel Selector	BOTH
Master Switch	ON	Ammeter	CHECKED	Seat Belts	CHECKED
		Volt Meter	24.5 - 28.5	Contact Tower/CTAF	SET/COMM
		Engine Gauges	CHECKED	RWY	BUG
STARTING		(No Vacuum system installed)		CLEAR OF RUNWAY	
Fuel Pump	ON	Annunciator Panel	TEST	Throttle	IDLE
Mixture	RICH	Throttle	IDLE / 1000 RPM	Transponder	1200 STBY
Fuel Flow	3-5 SECONDS	Flight Instruments	SET	Taxi Light (Day)	AS REQ
Mixture	IDLE CUT-OFF	Com / Nav Radios	SET	Landing Light	OFF
Fuel Pump	OFF	Flaps	SET	Strobes	OFF
Throttle	OPEN 1/4 INCH	Heading Bug	SET TO RWY	Mixture	LEAN
Prop Area	CLEAR	Seatbelt / Harnesses	CHECKED	Flaps	UP
Starter	ENGAGED	Doors / Windows	SECURE	Trim	TAKE OFF
Mixture	RICH (START)	Parking Brake	RELEASED	Contact Ground	121.9
Throttle	1000 RPM	Landing Light	ON		
Oil Pressure	CHECK	Strobes	ON		
Mixture	LEANED	Transponder	ALT		
		Contact Tower	119.7		
BEFORE TAXI		CLIMB OUT		SHUT DOWN	
Ammeter	NORMAL	Power	SET	Throttle	IDLE
Avionics	ON	Gauges	CHECKED	Avionics	OFF
ATIS / AWOS	CHECK	Flaps	UP	Magneto Ground	CHECK
Heading Indicator	SET	Climb Ange/Speed	SET	Mixture	CUT OFF
Altimeter	SET	TRIM	SET	Magnetos	OFF
Transponder	1200 & STBY	CRUISE		All Electrical	OFF
Flaps	UP	JPI-TACH Reading (only)			
Contact Ground	121.9	Cruise Power	SET	Master Switch	OFF
Brakes	CHECK	Aircraft - HOBBS Reading			
		Control Lock	IN		
		Keys / iPad	IN BOOK		
		Landing Light	AS DESIRED		

ENGINE TROUBLESHOOT		ENGINE FIRE IN FLIGHT		AFTER ELECTRICAL FIRE	
Fuel Selector	BOTH	Fuel Selector	OFF		
Mixture	RICH	Mixture	IDLE CUT-OFF	If Electrical Power Needed	
Throttle	HALF OPEN	Master Switch	OFF	Avionics Switch	OFF
Fuel Pump	ON	Vents / Cabin Heat	OFF	All Other Switches	OFF
Ignition	CYCLE MAGS	If Fire Persists		Master Switch	ON
		Airspeed	163 KIAS	Circuit Brkrs	DO NOT RESET
				Avionics Switch	ON
ENGINE SECURE		ELECTRIC FIRE IN FLIGHT		Elec Switches ON (one at a time)	
Fuel Selector	OFF	Master Switch	OFF	Ventilation	OPEN (CLOSE)
Mixture	IDLE CUT-OFF	Vent / Cabin Heat	OFF	C 172R AIRSPEEDS KIAS	
Throttle	CLOSED	If Fire Persists		Emergency Descent	163
Fuel Pump	OFF	Airspeed	163 KIAS	Best Glide	68
Magnetos	OFF			VA	105-90
EM LANDING NO POWER		ELECTRICAL FAULTS		VFE	85
Airspeed	BEST GLIDE	Excessive Rate of Charge		VNE	163
Flaps	AS NEEDED	Alternator Switch	OFF	VNO	129
Master Switch	OFF	Non-Essential Equip.	OFF	VSO	40
Doors	LATCHED OPEN	Land as soon as practicable		VS	48
ENGINE FIRE - AT START		Volts Annunciator Illuminates - Ammeter Discharge		VX	56
If Engine has not started		Volts Annunciator Illuminates - Ammeter Discharge		VY	75-85
Cranking	CONTINUE	Volt Meter	24.5 TO 28.5 Volts	VFE 10 Degrees	110
Mixture	IDLE CUT-OFF	Alternator CB	CHECKED	Cruise Climb	70-85
Throttle	OPEN	Master Switch	CYCLED	Short Field Landing	65
If Engine starts		Volts Annunciator	CHECKED	Normal Rotation	56
Throttle	2000 RPM	Land as soon as practicable		Flaps Normal Apprch	60-70
Mixture	IDLE CUT-OFF			No Flap Approach	65-75
Fuel Selector	OFF			Max Crosswind	15
LGHT GUN SGNLS		ON GROUND	IN FLIGHT	TRANSPONDER CODES	
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	Use Caution	Use Caution		Emergency Frequency 121.5	