

N9520D CESSNA 172 R

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		Vacuum Gauge	CHECKED	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	SHUT DOWN	
Oil Pressure	CHECK	Strobes	ON	Throttle	IDLE
Mixture	LEANED	Transponder	ALT	Avionics	OFF
		Contact Tower	119.7	Magneto Ground	CHECK
BEFORE TAXI				Mixture	CUT OFF
		CLIMB OUT		Magnetos	OFF
Ammeter	NORMAL	Power	SET	All Electrical	OFF
Avionics	ON	Gauges	CHECKED	JPI-TACH Reading (only)	
ATIS / AWOS	CHECK	Flaps	UP	Master Switch	OFF
Heading Indicator	SET	Climb Angle/Speed	SET	Aircraft - HOBBS Reading	
Altimeter	SET	TRIM	SET	Control Lock	IN
Transponder	1200 & STBY	CRUISE		Keys / iPad	IN BOOK
Flaps	UP	Cruise Power	SET		
Contact Ground	121.9	Mixture (Above 3000)	LEANED		
Brakes	CHECK	Gauges	CHECKED		
		Landing Light	AS DESIRED		

EMERGENCY PROCEDURES / INFO

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
ENGINE SECURE				Avionics Switch	ON
Fuel Selector	OFF	ELECTRIC FIRE IN FLIGHT		Elec Switches	ON (one at a time)
Mixture	IDLE CUT-OFF	Master Switch	OFF	Ventilation	OPEN (CLOSE)
Throttle	CLOSED	Vent / Cabin Heat	OFF	C 172R AIRSPEEDS KIAS	
Fuel Pump	OFF	If Fire Persists		Emergency Descent	163
Magnetos	OFF	Airspeed	163 KIAS	Best Glide	65
EM LANDING NO POWER		ELECTRICAL FAULTS		VA	99-82
Airspeed	BEST GLIDE	Excessive Rate of Charge		VFE	85
Flaps	AS NEEDED	Alternator Switch	OFF	VNE	163
Master Switch	OFF	Non-Essential Equip.	OFF	VNO	129
Doors	LATCHED OPEN	Land as soon as practicable		VSO	33
ENGINE FIRE - AT START				VS	44
If Engine has not started		Volts Annunciator Illuminates - Ammeter Discharge		VX	60
Cranking	CONTINUE	Volt Meter	24.5 TO 28.5 Volts	VY	79
Mixture	IDLE CUT-OFF	Alternator CB	CHECKED	VFE 10 Degrees	110
Throttle	OPEN	Master Switch	CYCLED	Cruise Climb	85
If Engine starts		Volts Annunciator	CHECKED	Short Field Landing	60
Throttle	2000 RPM	Land as soon as practicable		Normal Rotation	60
Mixture	IDLE CUT-OFF			Normal Approach	65
Fuel Selector	OFF			No Flap Approach	65
				Max Crosswind	15
LGHT GUN SGNLS		ON GROUND		IN FLIGHT	
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