

Cessna 172 SkyHawk SP Procedures

Before starting engine		Before takeoff	
Brakes	TEST AND SET	Parking Brake	SET
Electrical Equipment	OFF	Flight Controls	FREE AND CORRECT
Autopilot	OFF	Flight Instruments	CHECK AND SET
Avionics Master Switch	OFF	Fuel Quantity	CHECK
Fuel Selector Valve	BOTH	Mixture	RICH
Engine start		Fuel Selector Valve	CHECK BOTH
Throttle	Open ¼ INCH	Elevator Trim	SET for takeoff
Mixture	Rich	Throttle	1800 RPM
Propeller Area	Clear	Engine Instruments	CHECK
Master Switch	ON	Throttle	1000 RPM or less
Auxiliary Fuel Pump Switch	ON	Strobe Lights	AS DESIRED
Ignition Switch	START then RELEASE	Radios and Avionics	SET
After engine start		Autopilot	OFF
Oil Pressure	Check	Wing Flaps	SET for takeoff
Auxiliary Fuel Pump	Off	Brakes	RELEASE
Flashing Beacon	ON as required	En route climb	
Nav Lights	ON as required	Airspeed	70-85 KIAS
Avionics Master Switch	ON	Throttle	FULL OPEN
Flaps	Retract	Mixture	RICH (lean > 3000 ft)
Takeoff		Cruise	
Wing Flaps	0-10 degrees	Power	2100-2700 RPM
Throttle	FULL OPEN	Elevator Trim	ADJUST
Mixture	RICH (lean > 3000 ft)	Mixture	LEAN (if > 3000 ft)
Elevator Control	Lift nose wheel (55 KIAS)		
Climb Speed	70-80 KIAS		

Descent		Landing	
Power	AS DESIRED	Airspeed	65-75 KIAS
Mixture	FULL RICH for idle power	Wing Flaps	AS DESIRED
Fuel Selector Valve	BOTH	Airspeed	60-70 KIAS
Before landing		Touchdown	MAIN WHEELS FIRST
Fuel Selector Valve	BOTH	Landing Roll	Lower nose wheel gently
Mixture	RICH	Braking	MINIMUM REQUIRED
Landing Lights	ON	After landing	
Taxi Lights	ON	Wing Flaps	UP
Autopilot	OFF	REFERENCES	
Securing airplane		Maneuvering Speed	105 KIAS MAXIMUM
Parking Brake	SET	Max Cruising Speed	129 KIAS
Avionics Master Switch	OFF	Never Exceed Speed	163 KIAS
Electrical Equipment	OFF	Stalling Speed	48 KIAS
Autopilot	OFF	Best Glide Speed	68 KIAS
Mixture	IDLE CUT OFF		
Ignition Switch	OFF	Flaps Degrees	KIAS
Master Switch	OFF	10	110
Fuel Selector Valve	LEFT or RIGHT	15-30	85