

Start - Runup

Before Starting Engine	
Seat Belts	ON
Cowl Flaps	OPEN
Avionics	OFF
Electrical Equip	OFF
Master Switch	ON
Circuit Breakers	IN
Beacon	ON
Fuel	BOTH
Propeller	HIGH RPM
Brakes	SET

Cold Start	
* Mixture	RICH
* Throttle	1/2" OPEN
Carb Heat	OFF
* Prime	As REQUIRED (1-6 pumps cold engine)
Prop Area	CLEAR
Ignition	START
Ignition	REL. on start
Throttle	1,000 RPM

*Hot Start	
Only 1-2 pumps of prime. If overprimed, 1/4 -1/2 throttle, and reduce throttle after start.	
*Flooded Start	
Mixture lean. Throttle 1/2 - full, then increase mixture and reduce throttle after start. If still unsuccessful, start again using the normal starting procedure after allowing the starter motor to cool.	

Cessna 182 N7610S

Before Taxi	
Oil Pressure	GREEN
Lights	AS REQ
Avionics	ON & SET
Transponder	STANDBY
Mixture (FOR TAXI)	LEAN 1"
Flaps	UP
Brakes	CHECK

Pre Takeoff - Runup	
Flight Controls	CHECK
Flight Instruments	CHECK
Fuel	BOTH
Fuel Gauges	CHECK
Cowl Flaps	OPEN
Mixture	RICH
Throttle	1700 RPM
Carb Heat	CHECK
Magnetos	CHECK
	< 150 RPM drop each
	< 50 RPM between
Propeller	CYCLE x 3
	RPM drop
	Manifold increase
	Oil pressure drop
Vacuum	4.8-5.1
Oil Temp	GREEN
Oil Pressure	GREEN
Throttle	1000 RPM
Throttle Friction	ADJUST
Ammeter	CHECK

O85 CTAF	122.8
O85 ELEVATION	719 FEET
RDD ATIS	124.1
RDD TOWER	119.8
RDD GROUND	121.7
RDD ELEVATION	505 FEET

Takeoff - Landing

Before Takeoff	
Seat Belts	ON
Door&Window	LATCH
Flaps	SET (0-20°)
Trim	SET
Lights	ON
Transponder	ALTITUDE
Propeller	HIGH RPM
Mixture	RICH
Cowl Flaps	OPEN

Normal Takeoff	
Rotate	50
Climb Vy	70-80
Flaps	UP

Above 1000' AGL	
Climb enroute	85-95
Power	23"MP
Propeller	2400RPM
Mixture - LEAN ABOVE 5000'	

Cruise	
Power	15-23"MP
Propellor	21-2400RPM
Mixture	SET
Trim	SET
Cowl Flaps	CLOSED

Power Settings - 2300RPM		
2000ft	23"	12.8GPH
4000ft	23"	13.1GPH
6000ft	22"	12.6GPH
8000ft	21"	12.1GPH

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Descent	
Power (slowly)	REDUCE
Mixture	SET as req.
Cowl Flaps	CLOSED
Guages	CHECK

Before Landing	
Auto-pilot	OFF
Landing Light	ON
Carb Heat	ON
Cowl Flaps	CLOSED
Gas	BOTH
Undercarriage	DOWN
Mixture	SET
Propeller	SET
Seat belts	ON
Flaps	10° <140
	20°+ <95
Approach (FLAPS UP)	70-80
Approach (FLAPS DOWN)	60-70

After Landing	
Flaps	UP
Cowl Flaps	OPEN
Carb Heat	OFF
Mixture (for taxi)	LEAN 1"
Transponder	STBY

Engine Shutdown	
Avionics	OFF
Lights&Electrics	OFF
Mixture	CUTOFF
Magnetos	OFF & OUT
Master Switch	OFF
Hobbs&Tach	RECORD
Control lock, Tiedown/Chock	INSTALL