

Starting - Cessna T182T N21796 - Runup

Before Starting Engine	
Safety Belts	ON
Circuit Breakers	IN
Avionics (Bus 1&2)	OFF
STBY BATT (E+24, M-1.5)	TEST20 & ARM
Fuel	BOTH
Cowl Flaps	OPEN
Brakes	HOLD/SET
Propellor	FORWARD
Master (ALT & BAT)	ON
Strobes & Beacon	ON

Cold Start	
Throttle	1/2 inch
*Fuel Pump	ON
*Mixture	RICH 3-5 seconds <i>(until peak fuel flow - then IDLE)</i>
*Fuel Pump	OFF
Prop Area	CLEAR
Starter	ENGAGE
Mixture	RICH on start
Throttle	1000-1200 RPM

Before Taxi	
Oil Pressure	GREEN
Lean	As Required
Lights	As Required
Flaps	UP
Avionics (Bus 1&2)	ON & CHECK
Transponder	SET
Fuel Quantity	SET
Brakes	CHECK

Pre Takeoff - Runup	
Flight Controls & Trim	CHECK
Instruments (& PFD)	CHECK
Fuel	BOTH
Throttle	1800 RPM
Magnetos	CHECK
	< 175 RPM drop each
	< 50 RPM between
Propellor	CYCLE x3
	• RPM drop
	• Manifold increase
	• Oil pressure drop
Vacuum	4.8-5.1
Oil Temp	GREEN
Oil Pressure	GREEN
Ammeter	CHECK
Voltmeter	CHECK
Annunciators	CHECK
Throttle	1000 RPM

This checklist for information only.
Always refer to data in POH/AFM.

* A short prime may help some hot starts

IRREGULAR STARTING PROCEDURES

Hot Start	
Throttle	1/2 inch
*Mixture	IDLE
Prop Area	CLEAR
Starter	ENGAGE
Mixture	RICH on start
Throttle	1000-1200 RPM

Flooded Start	
Throttle	1/2 - FULL
Mixture	IDLE
Prop Area	CLEAR
Starter	ENGAGE
Mixture	RICH on start
Throttle	1000-1200 RPM

TAKEOFF

Before Takeoff	
Safety Belts	ON
Doors&Windows	LATCH
Auto-pilot	OFF
Flaps	SET (0-20)
Trim	SET
Lights	As Required
Transponder	SET
Cowl Flaps	OPEN
Propellor	HIGH RPM
Mixture	RICH

Normal Takeoff (Max climb)	
Throttle	32" MP
Propellor	2400 RPM
Mixture	24 GPH
Rotate	50-60
	<i>(Climb 60 if short field & 20° Flaps)</i>
Climb (Flaps UP)	80+
At 1000' AGL (Enroute climb)	
Throttle	25" MP
Propellor	2400 RPM
Mixture	16 GPH
Climb enroute	90-100+

Top of Climb	
Throttle	SET
Propellor	SET
Cowl Flaps	CLOSED
Mixture - Set as recommended	
Gauges	GREEN
Heading & Altitude	SET

LANDING

Descent	
Cowl Flaps	CLOSED
Throttle - Slowly	REDUCE
Mixture - As Required	ADJUST

Before Landing	
Auto-pilot	OFF
Cowl Flaps	CLOSED
	Gas BOTH
	Undercarriage/Brakes CHECK
	Mixture SET
	Propellor SET
	Seat belts ON
Approach (Flaps UP)	70-80
Approach (Flaps FULL)	60-70

After Landing	
Flaps	UP
Cowl Flaps	OPEN
Mixture (as req.)	FOR TAXI
Lights	As Req.

Engine Shutdown	
Avionics (Bus 1&2)	OFF
Electrical (lights, etc.)	OFF
Throttle	IDLE 1-2min
Mixture	CUTOFF
Magnetos (Key)	OFF & OUT
Hobbs & Tach	RECORD
Master (& STBY BATT)	OFF
Tiedown/chocks	INSTALL

Vldmax - Best Glide	62-75	Vso - 41	Vy - 84
Demonstrated x-wind	15	Vs - 51	Vx - 64