

Abbreviated Checklist Cessna R182 N1784R

PREFLIGHT

INTERIOR

A.R.O.W. Docs In Aircraft
 Pilot "I'M SAFE"
 Cabin Pre-Flight per POH Completed

EXTERIOR

Battery Master On
 Fuel Quantity Indicators Check
 Flaps Full
 Gear Indicator Press for tone
 Lights (all) Check
 Stall Warning Vane Check for tone
 Battery Master Off
 Exterior Pre-Flight per POH Completed

ENGINE START

Seats, Belts, Shoulder Harnesses Secure
 Fuel Selector Both
 Cowl Flaps Open
 Propeller All In - High RPM
 Carb Heat Cold
 Landing Gear Lever Down
 Circuit Breakers All In
 Avionics Master Off
 Primer 1-2 pumps (if cold start)
 Master On
 Beacon On
 Mixture Rich
 Propeller Area Clear
 Throttle Open
 Ignition Start
 Oil Pressure Check Green
 Ammeter Charging
 Throttle <1000 RPM

BEFORE TAXI

Avionics On
 Cowl Flaps Open
 Flaps Up
 EDM830 Set Fuel
 G5s and GNS430W On - No X
 Radios Set as Req'd
 AP Self-Test No AP Red X on PFD
 ATIS / WX / Barometer Acquire & Set on both
 G5 PFD and Altimeter
 Lights On, As Req'd
 Mixture **Lean 1" for Taxi**

TAXI

Brakes Check Right & Left
 Flight Instruments Check in motion
 DG/Ball/TC/Attitude Indicator Check

RUN-UP

Windows/Doors Closed/Latched
 Flight Controls Free & Correct
 Flight Instruments Set
 Fuel Selector Both
 Rudder & Elevator Trim Set for Takeoff
 Mixture Rich (Lean at higher altitude)
 Aux Fuel Pump On, Rise, then Off
 Brakes Set and Hold
Throttle 1700 RPM
Magnetos Check Both/Left/Both/Right
(Max Drop 175 RPM / Max Diff 50 RPM)
Prop Cycle for RPM, MAP & Oil Press.
Carb Heat On - RPM Drop
Oil Pressure Green
Ammeter Charging
Throttle Closed, Engine Doesn't Stop
Throttle <1000 RPM
 Flaps 0° - 20°
 Transponder VFR or Code
 Pitot Heat / Lights As Required
 Mixture Rich or As Required for Altitude

AUTOPILOT

AP Off
 Flight Director On
 ALTSEL Select Initial Target Altitude
 IAS Select Climb Spd (90 Kt)
 HDG Set Runway Hdg
 TO/GA Switch Press, Check PFD Flight Dir.
 Showing 10° Nose Up Attitude
 Takeoff Briefing Complete

V-SPEEDS

Vr	50	Vso	37
Vx	64	Vs1	42
Vy	88	Vne	182
Vno	143	Vle	140
Vfe	140		(10°)
Vfe	95		(10-40°)
Vbg	2550 lb		72
Vbg	3100 lb		80
Vbg	t-off 0°		70
Va	3100 lb		112
Va	2550 lb		100
Max Crosswind			18
Go-Armd.	(Flaps 20°)		75
Glide	1.5 mi / 1,000'		
All speeds in KIAS			

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NORMAL TAKEOFF

Carb Heat	Cold
Throttle	Full and 2400 RPM
Raise Nose	50 KIAS
Climb	70 (20°), 80 (0°) KIAS
Brakes	Apply
Gear Up	Positive Climb Rate
Flaps	Up at 80 KIAS

CROSSWIND / CRUISE CLIMB

Power	MAP 23" and 2300 RPM
Airspeed	90-100 KIAS
Autopilot	Sync HDG, then On
EGTs in Cruise Climb	~1350°F
CHTs in Cruise Climb	<450°F
Mixture	May be leaned >3000' MSL

CRUISE

Power	15-23" MAP 2100-2400 RPM
Mixture	Lean for best power >3000'
Pitot Heat	On if needed
Cowl Flaps	Closed if CHT/EGT <Max

DESCENT

Approach Brief/ATIS/WX	Completed
Cowl Flaps	Closed
Fuel Selector	Both
Mixture	Enrich as required
Throttle	Reduce MAP 1" every 2 min.
Flaps	10° below 140 KIAS
Gear	Down below 140 KIAS
Carb Heat	On / As required
Pitot Heat	As required
Seats, Belts, Shoulder Harnesses	On / Secure

BEFORE LANDING

Airspeed	90 KIAS
Carb Heat	On
Gas / Fuel	Both
Undercarriage	Down with Green Light
Mixture	Rich below 3000' MSL
Propeller	All In - High RPM
Switches	Lights On
Autopilot	Off
Final Approach Speed	65 KIAS

AFTER LANDING

Brakes	None till <37 KIAS, then MIN
Cowl Flaps	Open
Flaps	UP
Mixture	Lean 1" for Taxi
Carb Heat	Off
Lights	As required

SHUTDOWN / SECURE

Avionics Master	Off
Lights	Off
Beacon	On
Mixture	Idle-Cut-Off
Ignition	Off
Master	Off
Parking Brake	If required
Control Lock	On
Personal Items & Trash	Remove
Hobbs / Tach	Record
Doors	Locked
Chocks & Chains	On
Cover	On
Squawks	Note

SHORT FIELD TAKEOFF

Flaps	20°
Carb Heat	Cold
Brakes	Hold
Power	Full
Brakes	Release
Lift Nose	50 KIAS
Climb	55 KIAS Past Obstacles
Gear	Up
Climb	80 KIAS
Flaps	Up gradually
Climb	V _y

SHORT FIELD LANDING

Airspeed	70-80 KIAS
Flaps	40° below 95 KIAS
Airspeed	63 KIAS
Trim	Adjust
Power	Idle as obstacle cleared
Touchdown	Mains First
Brakes	Apply Heavily (No lockup)
Flaps	Up for max braking

MANEUVERING POWER SETTINGS

Downwind	Flaps 10°/17" MAP = 90 KIAS
Abeam Rwy End	13" MAP/-500 FPM = 85 KIAS
Base	Flaps 20°/13" MAP/-500 FPM = 75 KIAS
Final	Flaps 30°/13" MAP/-500 FPM = 65 KIAS

MISC. CAPACITIES

Usable Fuel	75 Gal
Oil	6 Qt (min) - 8 Qt (max)
Tire Pressure	50 Nose/68 Mains
Max Gross Weight	3100 lbs