C-182L NORMAL CHECKLIST / N952RF

CABIN

Control Lock	Remove
Hobbs / Tach	Check
AROW	Check
Fuel Selector	Both
Master Switch	On
Fuel Gauges	Check
Lights	Check
Wing Flaps	Down
Master Switch	Off

LEFT WING

Fuel Drain	Check
Strut, Tire, Brake	Check
Wing Flap, Aileron	Check
Wing Tip, Leading Edge	Check
Tie Down	Remove
Fuel Vent	Check
Stall Warning Lever	Check
Pitot Tube	Check
Fuel Level	Check

NOSE

Windshield	Clean
Static Port	Check
Prop & Spinner	Check
Alternator Belt	Check
Air Filter	Check
Nose Wheel & Strut	Check
Engine Oil (9 Min - 10 Max)	Check
Fuel Sump	Drain

RIGHT WING

Fuel Drain	Check
Strut, Tire, Brake	Check
Wing Flap, Aileron	Check
Wing Tip	Check
Leading Edge	Check
Tie Down	Remove
Fuel Level	Check

EMPENNAGE

Horiz. Stab and Elevator	Check
Vert. Stab and Rudder	Check
Tie Down	Remove
Antennas and Lights	Check

STARTING ENGINE

Preflight	Complete
Chocks and Towbar	Removed
Seats & Belts	Adjusted & Fastened
Brakes	Set / Hold
Master Switch	On
Cowl Flaps	Open
Fuel Valve	Both
Circuit Breakers	In
Radio Master	Off
Carb Heat	Cold
Mixture	Rich
Propeller	High RPM
Throttle	Cracked 1/2" Open
Beacon	On
Prime	As Required
Prop Area	Clear
Ignition	Start (30 sec Max)
Throttle	Set 1000 RPM
Oil Pressure	In green w/in 30 sec.
Mixture	Lean for Taxi
Wing Flaps	Up
Radio Master	On
Transponder	Altitude
Min Oil Temp for Taxi	90° F

TAXI

Lights	As Required
Taxi Area	Clear
Brakes and Steering	Check

ENGINE RUN-UP

Brakes	Set / Hold
Doors & Windows	Closed & Locked
Flight Controls	Free & Correct
Elevator & Rudder Trim	Set for Takeoff
Fuel Valve	Both
Mixture	Rich
Throttle	1700 RPM
Suction	4.6 - 5.4
Oil Temp & Pressure	Green Band
Ammeter	Positive
Magnetos	Check
(125 RPM Max Drop / 50 RPM Max Differential)	
Carb Heat	Check (for RPM drop)
Propeller	Cycle high to low RPM x 3; return to high RPM (full in)
Throttle	1000 RPM
Wing Flaps	Check and set 0° to 20°
Cowl Flaps	Full Open
Altimeter	Set
Attitude Indicator	Check
Heading Indicator	Set

Clear Area for Landing Traffic

Last Updated September 2025

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TAKEOFF

Fuel Valve	Both
Wing Flaps	As Required
Mixture	Rich
Carb Heat	Cold
Beacon & Strobes	On
Nav & Landing Lights	As Required

CLIMB

Flaps	Up
Initial Climb Airspeed	61 - 90 MPH
Cowl Flaps	Position for 180° Oil Temp
Do not adjust power/prop below 1000'AGL	
Enroute Climb Airspeed	100 - 120 MPH

CRUISE

Throttle	21-23" / 2200-2450 RPM
Mixture	75-125° rich for best power
Max CHT / EGT	420°F / 1500°F
Whichever occurs first	
Cowl Flaps	180-190° Oil Temp
Heading Indicator	Check
Landing Light	Off

DESCENT

Mixture	Richen
Cowl Flaps	Close or as needed
Power	As needed
Carb Heat	As needed

BEFORE LANDING

Fuel Valve	Both
Mixture	Rich
Propeller	High
Carb Heat	On
Seat Belts	On
Landing Light	As Required
Flaps	As Required (Verify white arc)

GO AROUND

Throttle	Full
Carb Heat	Cold
Wing Flaps	Raise to 20 deg
Airspeed	61 - 90 MPH
Wing Flaps	Raise slowly

AFTER LANDING

Carb Heat	Cold
Wing Flaps	Up
Cowl Flaps	Open
Mixture	Lean for Taxi
Strobes	Off

SHUTDOWN

Radio Master	Off
Nav & Landing Lights	Off
Mixture	Full Lean
Ignition	Off
Master Switch	Off

POST FLIGHT

Control Lock	Install
Pitot Tube Cover	Install
Hobbs / Tach	Record
Tie Downs / Chocks	Install

*** Return Keys and Fuel Receipts. ***
*** Dispatch & Check-In on Flight Circle. ***
*** Leave aircraft better than you found it. ***

V-SPEEDS

Vr	*Rotation Speed*	60 MPH
Vx	*Best Angle*	61 MPH
Vy	*Best Rate*	90 MPH
Va	*Maneuver Speed*	128 MPH
Vs	*Stall Speed - Clean*	64 MPH
Vso	*Stall Speed - Full Flaps*	55 MPH
Vfe	*Max Flaps Extended*	110 MPH
Vno	*Max Normal Operating*	160 MPH
Vne	*Never Exceed*	193 MPH
Vglide	*Best Glide*	80 MPH

Max Crosswind	15 Knots
Approach Speeds	
Normal	80 - 90 MPH
Short Field	70 - 80 MPH

COMMON FREQUENCIES

Airfield	ATIS	CTAF/TWR	UNICOM
Clemson (KCEU)	119.27	122.70	122.70
Pickens (KLQK)	120.00	122.80	122.80
Anderson (KAND)	120.675	123.60	123.60
Donaldson (KGYH)	127.325	133.325	122.70
G'ville Dwntwn (KGMU)	127.075	119.90	122.95
Greer Int'l (KGSP)	134.25	120.10	122.95

Electric City VOR (ELW)	108.60
KCEU is on the 338 radial for 16 NM	
Foothills / Toccoa VOR (TOC)	113.40
KCEU is on the 099 radial for 20 NM	

Atlanta Center	134.80
Anderson Radio	122.50 or 122.20
Emergency	121.50

PHONE NUMBERS

KCEU FBO	(864) 882-2959
Greer Clearance Delivery	(864) 877-8275
Flight Service Station	(800) 992-7433

PERFORMANCE & ENGINE

Max CHT	420° F
----- OR -----	
Max EGT	1500° F
Whichever occurs first	

Normal Cruise	22 / 2200 gives 12 GPH fuel burn
Pattern & Approach	16" and trimmed = 90 KIAS
Usable Fuel	79 Gallons

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