



N9539H

Standard Procedures

1981 Cessna **182R** - SN 18267961

AIRCRAFT ACCEPTANCE

Parking Brake SET
Tachometer & Hobbs Time..... LOGGED

PREFLIGHT INSPECTION

1. Cabin

Control Lock REMOVED
Master Switch OFF
Magnetos..... OFF
Avionics Master OFF

2. Empennage

Baggage Door LOCKED
Static Ports CHECKED
Horizontal Stab/ Elevator CHECKED
Vertical Stab/Rudder..... CHECKED
Antennas CHECKED
Tail Tie Down..... **SET BY LOCKBOX**

3. Right Wing

Flap and Aileron..... CHECKED
Wing Tip/Leading Edge..... CHECKED
Strut/Tie Down..... Removed
Tire and Brake CHECKED
Fuel Drain..... CHECKED
Fuel Level/Cap..... CHECKED/SECURED

4. Nose

Engine Oil CHECKED
Tire and Strut..... CHECKED
Fuel Drain..... CHECKED
Air Filter CLEAR
Alternator Belt..... CHECKED
Propeller and Spinner CHECKED
Landing & Taxi Lights CHECKED
Transponder Antenna CLEAR OF OIL
Static Source CHECKED
Windshield CHECKED
Front wheel chocks **SET BY LOCKBOX**

5. Left Wing

Pitot Tube REMOVE COVER, CHECK
Fuel Vent CHECKED
Stall Warning CHECKED
Strut/Tie Down..... Removed
Wing Tip/Leading Edge..... CHECKED
Flap and Aileron..... CHECKED
Tire and Brake CHECKED
Fuel Drain..... CHECKED
Fuel Level/Cap..... CHECKED/SECURED

STARTING ENGINE

Passenger Briefing..... COMPLETE
Seat and Seatbelts..... ADJUST & LOCK
Parking Brakes..... SET
Circuit Breakers Checked
Fuel Selector Valve..... BOTH
Cowl Flaps..... OPEN
Mixture..... FULL RICH
Propeller FULL IN
Throttle OPEN ½ INCH
Carburetor Heat OFF
Fuel Prime TWICE SLOWLY IF COLD
Master ON
Foot Brakes ON
Prop..... CLEAR
Ignition Switch..... START
Throttle (800-1000 RPM)..... SET
Oil Pressure..... CHECKED
Time RECORD
Mixture..... LEAN AS NEEDED
Flaps..... OPERATE / UP
Avionics Master..... ON
Radios ON & SET
GPS Unit..... ON & FLIGHT PLAN
Intercom & Headsets..... ON & TEST
Weather Frequency..... MONITOR & COPY
Altimeter SET
Transponder SET CODE
Heading/Compass ALIGN
Lights..... USUALLY ON
Taxi Area CLEAR
Brakes RELEASE & TAP TEST

TAXI

Brakes CHECK
Turn Instruments..... CHECK

BEFORE TAKEOFF RUN-UP

Parking Brake SET
Seats & Seatbelts CHECK
Flight Controls..... FREE & CORRECT
Flight & Engine Instruments CHECKED
Mixture..... RICH
Fuel Selector..... BOTH
Trim TAKEOFF
Oil Temperature..... GREEN
Throttle 1700 RPM
Suction (Vacuum) 4.6-5.4
Magnetos..... CHECKED (150 max/50 diff)
Carb Heat On, Check for Slight Drop, Off
Propeller CYCLE 3 TIMES
Ammeter CHECKED
Throttle Idle..... CHECKED
Throttle 800-1000 RPM
Throttle Friction..... SET
Radios/Nav/GPS..... Checked
Left & Right Fuel Gauges Checked
Abort Plan..... Complete

AFTER CLEARED ONTO RWY

Cabin Doors/Windows CLOSED & LOCKED
Lights..... ON
Transponder CHECK CODE & ON
Mixture..... As Required (Usually Rich)
Carburetor Heat OFF
Flaps..... As Required

TAKEOFF

Flaps (0°-10°)..... SET
Throttle FULL
Rotate..... 59 K

CLIMB

Throttle & Propeller23" MP, 2300 RPM
Mixture..... ADJUST FOR MAX RPM
Engine Instruments CHECKED

CRUISE

Lights..... AS REQUIRED
Manifold & RPM AS NEEDED
Mixture..... ADJUST FOR EGT, FUEL FLOW
Flaps..... CHECK "UP"
Cowl Flaps Adjust (usually CLOSED)
Fuel Selector Valve As Needed
Engine Instruments CHECKED

DESCENT

Carburetor Heat ON
Power AS REQUIRED
Mixture..... RICH
Propeller FULL IN
Fuel Selector Valve BOTH
Landing & Taxi Lights ON
Cowl Flaps USUALLY CLOSED-AS NEEDED

IFR Approach Settings

ILS	~1900 RPM	500 FPM
Localizer	~1700 RPM	700 FPM
GPS	Adjust as required	
VOR	~1700 RPM	700 FPM

VFR Approach Speeds

Downwind	90 Knots
Base	80 Knots
Final	70 Knots
Threshold	60 Knots

V Speeds

Rotate	50 K
V _X (Angle)	59 K
V _Y (Rate)	81 K
Best Glide	61 K (2000 lb) 77 K (3100 lb)
V _S	40 K
V _S 1	50 K
V _{FE} 10°	140 K
V _{FE} 20-40°	95 K
V _{NO}	143 K
V _{NE}	179 K
X Wind	NTE 15 K
V TURBULENCE	102 K (2000 lb) 111 K (3100 lb)

BEFORE LANDING

Landing & Taxi Lights ON
Seats & Seatbelts CHECKED
Fuel Selector BOTH
Mixture..... RICH
Propeller FULL IN
Carburetor Heat ON
Autopilot..... OFF
Flaps..... AS REQUIRED

AFTER LANDING

Lights..... AS REQUIRED
Mixture..... LEAN AS NEEDED
Carburetor Heat OFF
Flaps..... UP
Cowl Flaps..... OPEN

SHUTDOWN, PARK & SECURE

Parking Brake USUALLY ON
Avionics OFF
Throttle IDLE
Mixture..... CUT OFF
Ignition Switch..... OFF
Master Switch OFF
Interior/Exterior Lights OFF
Control Lock..... INSTALL
Hobbs time RECORD IN BOOK
Personal electronics & headsets SECURE
Seatbelts & shoulder harnesses SECURE
Control lock..... INSTALL
Pitot Cover INSTALL
Tail tie-down INSTALL
Wing tie-downs INSTALL
Nose gear chocks INSTALL
Bug removal..... Leading wing edges, struts
Bug removal..... Tail leading edge, wheels, nose
Windshield CLEAN ONLY AS INSTRUCTED
Doors, baggage door LOCK
Nose plugs..... INSTALL
Propeller position VISUALLY AS A "Y"
Cleaning supplies..... SECURE IN BOX

MAXIMUM CROSS WIND COMPONENT:

Not to exceed 15 knots

Corrections and suggestions to this
list should be sent to Ross Statham
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