

Cessna 182R Normal Checklist

PREFLIGHT

Documents A R O W
 VOR Check Last 30 Days
 Control Lock REMOVE
 Magnetos OFF
 Avionics OFF
 Master ON
 Fuel Quantity Indicators OFF
 Avionics Fan CHECK ON
 Flaps DOWN FULL
 Lights & Pitot Heat CHECK
 Master OFF
 Fuel Selector CHECK EA., SET BOTH
 Left Tank Sump DRAIN & CHECK
 Main Tire & Brakes CHECK
 Baggage Door SECURE
 Control Surfaces CHECK
 Antennas CHECK
 Right Flap CHECK
 Right Aileron CHECK
 Wing Leading Edge CHECK
 Right Tank Sump DRAIN & CHECK
 Main Tire & Brake CHECK
 Static Ports CLEAR
 Prop & Spinner CHECK
 Carb Air Filter CHECK
 Nose Wheel & Strut CHECK
 Engine Oil Quantity CHECK(11 to 10qts)
 Engine Oil Filler Cap CHECK
 Fuel Strainer DRAIN 4 SECONDS
 Wing Leading Edge CHECK
 Pitot Tube CHECK
 Stall Warning Vane CHECK
 Left Aileron CHECK
 Left Flap CHECK

PRE START

Preflight COMPLETE
 Passenger Briefing COMPLETE
 Seats, Belts, Harness SECURED
 Brakes HOLD
 Avionics OFF
 Circuit Breakers IN
 Autopilot OFF
 Cowl Flaps OPEN
 Fuel Selector BOTH
 Prime AS REQUIRED

Carburetor Heat OFF
 Throttle OPEN ½”
 Propeller HIGH RPM
 Mixture RICH
 Propeller Area CLEAR
 Master ON
 Magnetos START
 Oil Pressure CHECK
 Avionics ON
 Mixture LEAN
 Beacon, Nav Lights ON, AS REQUIRED
 Transponder STANDBY
 Flaps UP & VERIFY

TAXI

Brakes TEST
 Turn Instruments CHECK

VFR Day Minimum Equipment:

Gas Gauges, Oil Temp, Oil Pres., Seat Belts, ELT, Altimeter,
 Compass, Airspeed indicator, Tach., Ldg gear position ind.,
 Manifold Pressure gauge, Temp gauge (lqd cooled)

VFR Night Minimum Equipment:

Position Lights (NAV), Anti-Collision Lights (beacon, strobes),
 Landing Light (if for hire), Electrical source, Spare fuses.

IFR Minimum Equipment:

D irectional Gyro
 E lectrical source
 C lock (h.m.s)
 A ltimeter (pressure sensitive)
 R adios appropriate for nav aids to be used
 A ttitude indicator
 T urn Coordinator
VOR Check last 30 days

RUNUP

Brakes HOLD
 Flight Controls FREE, CORRECT
 Flight Instruments CHECK & SET
 Mixture RICH
 Fuel Selector BOTH
 Trim TAKEOFF
 Throttle 1700 RPM
 Magnetos LEFT, RIGHT (150/50)
 Propeller CYCLE
 Vacuum CHECK
 Engine Instruments & Ammeter
 Alternate Static CHECK
 Carb Heat ON
 Throttle IDLE CHECK
 Carb Heat OFF
 Autopilot TEST
 Radios SET
 Departure REVIEW

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PRE TAKEOFF

Flaps 0° to 20°
 Propeller HIGH RPM (1”)
 Mixture BEST POWER
 Carb Heat OFF
 Pitot Heat ON AS REQUIRED
 H.I. to Compass SET
 Transponder ALT
 Lights ON

ABORT PLAN READY!

TAKEOFF

Full Throttle & 2400 RPM
 Oil Pressure CHECK
 Rotate 50 KIAS
 Vy 81
 Flaps UP

CLIMB

Speed 85 to 95 KIAS
 Power 23” MP & 2400 RPM
 Mixture LEAN ABOVE 3000’
 Cowl Flaps OPEN
 Instruments CHECK
 Landing Light OFF

CRUISE

Throttle 15” - 23” MP
 Propeller 2100 to 2400 RPM
 Trim SET
 Mixture LEAN
 Cowl Flaps CLOSE
 Instruments CHECK
 H.I. to Compass SET

V Speeds

Vr	50	Vno	143
Vx	59	Vne	179
Vy	81	Vglide(2000lbs)	61
Vs	40	Vglide(3100lbs)	76
Vs1	50	X wind	15
Va(3100lbs)	111	Vturb (3100)	111
Vfe 10°	140	Vturb (2600)	102
Vfe 20°-40°	95		

DESCENT

Fuel BOTH
 Power AS DESIRED
 Mixture ENRICH as required
 Carburetor Heat ON
 Cowl Flaps CLOSED
 Wing Flaps AS DESIRED

PRE-LANDING

Seats, Belts, Harness SECURE
 Fuel Selector BOTH
 Mixture RICH
 Propeller HIGH RPM
 Carburetor Heat ON
 Autopilot OFF
 Landing Light ON

LANDING

Flaps 40°
 Propeller HIGH RPM
 Speed 60 to 70 KIAS

A B C G U M P S

GO AROUND

Power FULL THROTTLE
 Carb Heat COLD
 Flaps RETRACT TO 20°
 Climb Speed 55 KIAS
 Flaps RETRACT slowly @ 70 KIAS
 Cowl Flaps OPEN

AFTER LANDING

Carburetor Heat OFF
 Flaps UP
 Cowl Flaps OPEN
 Transponder STANDBY
 Mixture LEAN
 Landing Light OFF

SECURING

Avionics OFF
 Magnetos GROUND CHECK
 Mixture IDLE CUTOFF
 Magnetos OFF
 Master OFF
 Control Lock INSTALL

Cessna 182R Emergency Checklist

ENGINE FAILURE AFTER TAKEOFF

Airspeed..... 75 KIAS (Flaps UP)
 70 KIAS (Flaps DOWN)
 Mixture IDLE CUTOFF
 Magnetos OFF
 Master OFF

ENGINE FAILURE DURING FLIGHT

Airspeed..... 75 KIAS
 Carburetor Heat ON
 Fuel Selector BOTH
 Mixture RICH
 Magnetos BOTH
 Primer IN & LOCKED

EMERGENCY LANDING WITHOUT ENGINE POWER

Airspeed..... 75 KIAS (Flaps UP)
 70 KIAS (Flaps DOWN)
 Mixture IDLE CUTOFF
 Fuel Selector OFF
 Magnetos OFF
 Flaps AS REQ'D(FULL recommended)
 Master OFF
 Doors UNLATCH
 Touchdown..... SLIGHTLY TAIL LOW
 Brakes APPLY HEAVILY

PRECAUTIONARY LANDING WITH ENGINE POWER

Airspeed..... 75 KIAS
 Flaps 20°
 Selected Field FLY OVER
 Electrical Switches OFF
 Flaps FULL (on Final)
 Airspeed..... 70 KIAS
 Avionics..... OFF
 Master OFF
 Doors UNLATCH
 Touchdown..... SLIGHTLY TAIL LOW
 Magnetos OFF
 Brakes APPLY HEAVILY

DITCHING

MAYDAY, MAYDAY, MAYDAY on 121.5
 Squawk 7700
 Baggage..... SECURE or JETTISON
 Flaps 20° to FULL
 Power... 300ft/min DESCENT @ 65 KIAS
 High Winds, Heavy Seas..... INTO WIND
 Lgt winds,heavy seasPARALLEL SWELLS
 Cabin Doors UNLATCH
 Touchdown..... LEVEL ATTITUDE
 Face CUSHION
 Airplane..... EVACUATE
 Life Vests / Raft INFLATE

FIRE DURING START

Cranking CONTINUE

If Engine Starts:

Power..... 1700 RPM few Minutes
 Engine SHUTDOWN

If Engine Fails to Start:

Throttle FULL OPEN
 Mixture IDLE CUTOFF
 Cranking CONTINUE
 Fire Extinguisher OBTAIN
 Engine SECURE
 Master OFF
 Magnetos OFF
 Fuel Selector OFF
 Fire EXTINGUISH

ENGINE FIRE IN FLIGHT

Mixture IDLE CUTOFF
 Fuel Selector..... OFF
 Master..... OFF
 Cabin Heat, Air OFF(wing vents ok)
 Airspeed . 100 KIAS or more to extinguish
 Forced Landing EXECUTE

WING FIRE

Pitot Heat..... OFF
 Navigation Lights..... OFF
 Strobe Lights OFF
 Slip Away from Fire

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ELECTRICAL FIRE IN FLIGHT

Master OFF
 Avionics..... OFF
 All Other Switches OFF
 Vents/Cabin Air/Heat CLOSED
 Fire Extinguisher ACTIVATE
If Fire out and electrical needed:
 Master ON
 Circuit Breakers .. CHECK, Do Not Reset
 Radio Switches..... OFF
 Avionics ON
 Radio/Electrical..... ON, One At A Time
 Vents/Cabin Air/Heat..... OPEN

CABIN FIRE

Master OFF
 Vents/Cabin Aire/Heat CLOSED
 Fire Extinguisher ACTIVATE
 Land ASAP

ICING

Pitot Heat..... ON
 Turn Back or Change Altitude
 Pull Cabin Heat Full Out & Rotate defroster Clockwise.
 Increase Engine Speed
 Watch for Carburetor Air Filter Ice & Apply Carb Heat as req'd
 Land ASAP – NO FLAPS
 Approach 80 to 90 KIAS

General Information

Max. Takeoff Weight: 3100lbs
Max. Landing Weight: 2950lbs
Max. Baggage Area:

120lbs Area A,
 80lbs Area B & C
 200 Max. Combined

Usable Fuel: 88 gal (528 lbs)

Half Fuel: 44 gal (264 lbs)

Oil Capacity: 12 quarts, 11–10 recommended (9 quarts min.)

Electrical: 24 – 28 Volt / 60 amp

Tire Pressure: Nose- 49 psi / 42 Main