

Cessna Skylane 182P (280hp) Checklist

C182P

PREFLIGHT (Cabin)

- 1 AROW DocumentsOn Board
- 2 Control Wheel LockRemove
- 3 Ignition/AvionicsOff
- 4 Master Switch.....On
- 5 Fuel Quantity Indicators..Check
- 6 FlapsExtend
- 7 Master Switch.....Off

PREFLIGHT (External)

- 1 Baggage door.....Secure
- 2 Flap/Aileron/RudderCheck
- 3 Fuel Quantity (both).....Check
- 4 Fuel Tank Sump (both)...Drain
- 5 Wheel Tire/Brake/Strut...Check
- 6 Oil Level10-12 qts
- 7 Fuel Strainer.....Drain
- 8 Alternator BeltCheck
- 9 Propeller & SpinnerCheck
- 10 Landing Light.....Check
- 11 Air Filter.....Check
- 12 Static Source.....Check
- 13 Visual InspectionComplete
- 14 Debris Around Aircraft...Remove
- 15 Tie-DownsRemove

ENGINE START

- 1 Preflight Inspection.....Complete
- 2 PassengersBriefed
- 3 Seats, Belts, Harnesses..Adjust
- 4 Avionics & ElectricalOff
- 5 Circuit Breakers.....In
- 6 Carburetor Heat.....Cold
- 7 Propeller.....High RPM
- 8 MixtureRich
- 9 Fuel Selector ValveBoth
- 10 Prime (2 to 6 strokes)....As Required
- 11 Beacon lightOn
- 12 Master Switch.....On
- 13 Throttle (1/2 inch)Open
- 14 Brakes.....Hold
- 15 Propeller AreaClear
- 16 Ignition SwitchStart
- 17 Throttle.....1000 RPM
- 18 Oil Pressure (Green)Check
- 19 FlapsRetract
- 20 Transponder.....Standby
- 21 Radio Master.....On
- 22 ATIS/AWOS/ASOSObtain
- 23 Taxi ClearanceObtain
- 24 Brakes.....Test

TAXIING

- 1 Brakes/InstrumentsCheck
- 2 X-wind Taxi-Actions.....As Required

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FIRE DURING START

- 1 Cranking Continue
- If Starts:**
- 2 Power @1700RPM Few minutes
 - 3 Engine..... Shutdown
- If fails to start:**
- 4 Throttle..... Full Open
 - 5 Mixture Cut-off
 - 6 Cranking 2-3 minutes
 - 7 Fire Extinguisher Obtain
 - 8 Engine..... Secure
 - 9 Master Switch Off
 - 10 Magneto Switch Off
 - 11 Fuel Selector..... Off
 - 12 Fire Extinguish

RUN UP

- | | |
|---|--|
| C | 1 Parking Brake/Brakes Hold |
| I | 2 Cabin Doors/Windows... Closed |
| | 3 Flight Controls..... Free |
| G | 4 Flight Instruments Set |
| | 5 Fuel Selector Valve Both |
| A | 6 Cowl Flaps Open |
| | 7 Mixture Rich |
| | 8 Elevator/Rudder Trim.... Set |
| | 9 Throttle..... 1700 RPM |
| R | 10 Magnetos
(150 max/ 50 diff Check |
| | 11 Propeller (200 RPM) Cycle x3 |
| | 12 Carburetor Heat Check |
| | 13 Ammeter & Suction Check |
| | 14 Throttle..... 1000 RPM |
| | 15 Throttle Friction Lock Adjust |
| S | 16 Engine Instruments Check |
| | 17 Radios & Avionics Set |
| | 18 Auto Pilot Off |
| | 19 Lights As Req. |
| | 20 Transponder ALT |
| | 21 Brakes..... Release |

AFTER LANDING

- 1 Lights (Strobe/Landing).. Off
- 2 Carburetor Heat Off
- 3 Mixtures Rich
- 4 Wing Flaps..... Retract
- 5 Cowl Flaps Open
- 6 Transponder Standby
- 7 Clearance Obtain
- 8 Flight Plan..... Close

SECURING THE PLANE

- 1 Brakes..... Hold
- 2 Radio Master Off
- 3 Electrical Equipment Off
- 4 Mixture Idle Cut-Off
- 5 Magnetos Off
- 6 Master Switch Off
- 7 Fuel Selector Valve Right
- 8 Control Lock..... Install
- 9 Tie-Down Complete

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NORMAL TAKEOFF

- 1 Wing Flaps 0-20°
- 2 Carburetor Heat Cold
- 3 Cowl Flaps Open
- 4 Power 26.5" & 2700 RPM
- 5 Engine Instruments Green
- 6 Airspeed Alive - Rotate... 60 MPH
- 7 Climb Airspeed – V_Y 90 MPH
- 8 Cruise Climb..... 100-110 MPH
- 9 Above Obstacle..... Flaps up

SHORT FIELD TAKEOFF

- 1 Wing Flaps 20°
- 2 Carburetor Heat Cold
- 3 Cowl Flaps Open
- 3 Brakes Hold
- 4 Throttle Open
- 5 Mixture (Lean >3K alt.)
- 6 Engine Instruments Green
- 7 Brakes..... Release
- 8 Airspeed Alive - Rotate... 60 MPH
- 9 Pitch for..... 70 MPH
- 10 Above Obstacle..... 90 MPH
- 11 Flaps Retract

CLIMB

- 1a Best angle – V_X 70 MPH
- 1b Best rate - V_Y 90 MPH
- 2 Cruise Climb..... 100-110 MPH
(Norm: 23"/27, Max: 26"/27)
- 3 Landing light..... Off
- 4 Flaps Retract
- 5 Flight Plan Open
- 6 Flight Following Request

CRUISE

- 1 Flaps Up
- 2 Power 19"/21 (20"/23) Set
- 3 Cowl Flaps Close
- 4 Elevator Trim..... Set
- 5 Mixture Lean
- 6 Recheck landing light Off

DESCENT

- 1 Mixture Rich
- 2 Carburetor Heat As Required
- 3 Power..... As Required
- 4 Magnetos Both
- 5 Primer In and Lock

PRE-LANDING

- 1 ATIS/AWOS/ASOS Obtain
- 2 Flight Following Cancel
- 3 Flight Plan Close
- 4 Seats, Belts, Harnesses .Adjust
- 5 Carburetor Heat On
- 6 Gas Selector Valve..... Both
- 7 Cowl Flaps Closed
- 8 Mixture Rich
- 9 Propeller..... High RPM
- 10 Systems (Land Light) On
Air Cond./Autopilot Off

NORMAL LANDING

- 1 Airspeed 80-90 MPH
- 2 Wing Flaps..... As Required
- 3 Final Approach/20°Flaps.. 70-80 MPH

SHORT FIELD LANDING

- 1 Airspeed 70-80 MPH
- 2 Wing Flaps..... Full - 30°
- 3 Airspeed 70 MPH
- 4 Power Reduce Idle

BALKED LANDING

- 1 Mixture Rich
- 2 Power 26.5" & 2700 RPM
- 3 Carburetor Heat Cold
- 4 Wing Flaps..... Retract to 20°
- 5 Cowl Flaps Open
- 6 Climb Airspeed 80 MPH
- 7 Wing Flaps to clear obs.. 10°
- 8 Wing Flaps after clear Retract
- 9 Climb Airspeed 90 MPH

ENGINE FAILURE DURING TAKEOFF RUN

- 1 Throttle Idle
- 2 Brakes Apply
- 3 Wing Flaps..... Retract
- 4 Mixture Cut-off
- 5 Magnetos Off
- 6 Master Switch Off

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

- 1 Airspeed 80 MPH (No flaps)
..... 75 MPH (flaps)
- 2 Mixture Cut-off
- 3 Fuel Selector..... Off
- 4 Magnetos Off
- 5 Wing Flaps..... As req.
- 6 Master Switch Off

ENGINE FAILURE During Flight

- 1 Airspeed 80 MPH
- 2 Best Field to Land Identify
- 3 Primer Locked
- 4 Magnetos Both
- 5 Master Switch On
- 6 Carburetor Heat On
- 7 Mixture Rich
- 8 Fuel Selector Valve..... Both
- 9 Prop Stopped..... Start

V-SPEEDS

(V_A) Maneuvering Speed.....	126 MPH
(V_{FE}) Max Flap Extended	110 MPH
(V_{NO}) Max Cruising.....	160 MPH
(V_{NE}) Never Exceed	198 MPH
(V_S) Stall Speed (normal).....	64 MPH
(V_{SO}) Stall Speed (landing)	57 MPH
(V_X) Best Angle of Climb	70 MPH
(V_Y) Best Rate of Climb.....	89 MPH
(L/D_{MAX}) Best Glide Speed	80 MPH

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FORCED LANDING w/ POWER

- 1 Wing Flaps20°
- 2 Airspeed.....75 MPH
- 3 Selected FieldFly Over
- 4 Avionics/ElectricalOff
- 5 Wing Flaps40°
- 6 Airspeed.....75 MPH
- 7 Master Switch.....Off
- 8 Doors before landingUnlatch
- 9 Touchdown.....Tail low
- 10 Ignition Switch.....Off
- 11 Brakes Apply.....Heavy

FORCED LANDING w/o POWER

- 1 Airspeed.....80 MPH (No flaps)
.....75 MPH (Full flaps)
- 3 Radio Call121.5 MHZ
- 4 Transponder.....7700
- 5 Mixture Idle.....Cut-Off
- 6 Fuel Selector ValveOff
- 7 Ignition Switch.....Off
- 8 Wing Flaps30° recom.
- 9 Master Switch.....Off
- 10 Doors before landingUnlatch
- 11 Touchdown Tail-LowMains 1st

DITCHING

- 1 Transmit MAYDAY121.5 MHz
- 2 Squawk7700
- 3 Heavy baggageJettison
- 4 Flaps20° - 40°
- 4 Water land (light wind)....Parallel to swells
- 5 Power (300ft/min).....70 MPH
- 6 Doors before landingUnlatch
- 7 Touchdown.....Level

ENGINE FIRE IN FLIGHT

- 1 MixtureCut-off
- 2 Fuel SelectorOff
- 3 Master Switch.....Off
- 4 Cabin Heat and AirOff
- 5 Overhead VentsOpen
- 6 Airspeed.....100 MPH
- 7 Forced LandingExecute

CABIN FIRE

- 1 Master Switch.....Off
- 2 Vents/Cabin Air/Heat.....Closed
- 3 Fire ExtinguisherUse
- 4 Land.....ASAP

WING FIRE

- 1 Navigation LightOff
- 2 Pitot HeatOff
- 3 Strobe LightOff
- 4 Slide Slip flames away from fuel
- 5 Land.....ASAP

ELECTRICAL FIRE IN FLIGHT

- 1 Master SwitchOff
- 2 Radio MasterOff
- 3 All ElectricalOff
- 4 MagnetosBoth
- 5 Vents/Cabin Air/HeatClosed
- 6 Fire ExtinguisherUse
- 7 CabinVent
- 8 Master SwitchOn
- 9 Circuit BreakersCheck
- 10 Radio SwitchesOff
- 11 Radio MasterOn
- 12 Radio/Electrical.....On
- 13 Vents/Cabin Air/HeatOpen

INADVERTENT ICING

- 1 Pitot HeatOn
- 2 Turn back/Change Altitude
- 3 Cabin Heat.....Open
- 4 ThrottleMax Cruise
- 5 Carburetor HeatApply
- 6 Mixture.....Lean
- 7 No Flap LandingPerform
- 8 Airspeed85-95 MPH

STATIC SOURCE BLOCKAGE

- 1 Alternate Static Source ..On
- 2 Landing Airspeed.....70-80 MPH

AMMETER SHOWS EXCESSIVE RATE OF CHARGE

- 1 AlternatorOff
- 2 Alternator Breaker.....Pull
- 3 Nonessential Electrical...Off
- 4 Land.....ASAP

LOW-VOLTAGE LIGHT ON

- 1 Radio MasterOff
- 2 Alternator Breaker.....Check
- 3 Master SwitchOff(both)
- 4 Master SwitchOn
- 5 Low-Voltage LightCheck
- 6 Radio MasterOn

If Light Still On:

- 7 AlternatorOff
- 8 Nonessential Electrical...Off
- 9 Land.....ASAP

C182 MPH