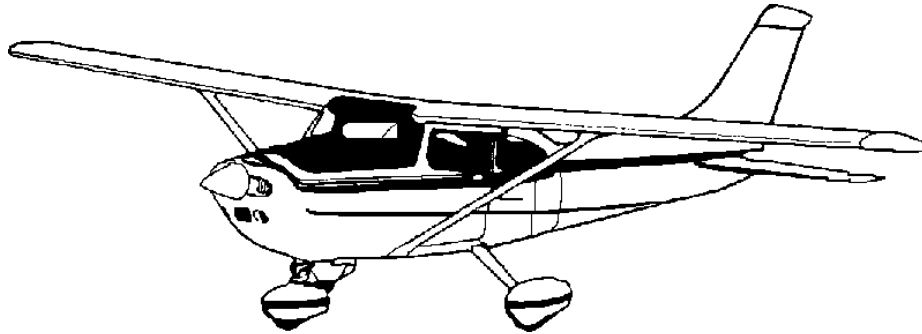


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182 History



The Cessna Pilots Association Educational and Technical Center

Santa Maria Public Airport

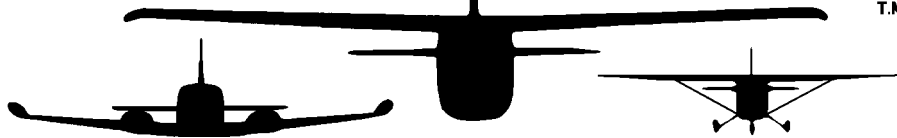
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Cessna Pilots | Association T.M.



CESSNA 182 SKYLANE HISTORY

John M. Frank

Rev. 2

1956 - 182

1. Tricycle gear version of Cessna Model 180.
2. Nose cowl changed from Cessna 180 to accommodate nose gear.
3. 230 HP Continental O-470L engine.
4. Gross weight 2550 pounds.

Total built- 843

Serial Numbers 33000 through 33842

Base Price \$13,750

1957- 182A

1. Main landing gear lowered four inches, increasing gear track 5.4 inches.
2. Main gear strut material thickness increased from 1 1/16 inch to 3/4 inch.
3. Stronger seat frames.
4. Rear seat back support improved.
5. Upholstery rolled around door frame for better finish.
6. Flush door latches.
7. Redesigned instrument panel and fuel gauges.
8. Generator low voltage light standard.
9. Key lock baggage door.
10. Fuel tank capacity increased to 65 gallons.
11. Electric fuel gauges.
12. Gross weight increased from 2550 lbs. to 2650 lbs.

Total Built - 911

Serial Numbers 33843 thru 34753

Base Price - \$13,975.00

1958 - 182A

1. Exhaust stack moved to right side to improve cylinder cooling.
2. Deluxe model 182 called "Skylane" introduced, included upgraded interior, three color overall exterior paint, full instrument panel and wheel fairings standard.
3. Serial number range changed from 34000's to 51000's to avoid conflicting with other models.
4. Bungee type rudder trim installed.
5. Improved instrument lighting.

Total Built - 802

Serial numbers 34754 thru 34999 and 51001 thru 51556

Base Price 182 - \$14,350.00

Skylane- \$16,850.00

1959 - 182B

1. More streamlined cowling.
2. Cowl flaps.
3. Improved rear seat ventilation.
4. Royalite instrument panel cover redesigned.
5. Second chart box added to instrument panel.

Total Built - 802

Serial Numbers 51557 thru 52358

Base Price 182 - \$14,600

Skylane - \$17,095

1960 - 182C

1. Tail changed to 35 degree swept design increasing overall length 25 inches to 27 feet four inches.
2. Larger rear seat windows.
3. Two additional side windows just aft of the rear seat area. The two additional windows add a ten percent increase in glass area.
4. New rear seat area bulkhead, which provides additional headroom for rear seat passengers.
5. Flush fuel caps replaced "thermos bottle" caps (CPA note: flush caps are a poor design and should be changed to later style "umbrella caps".)
6. Headliner redesigned for increased headroom.
7. Control wheels changed from metal to plastic.
8. Redesigned seat cushions.
9. Smaller wing root fillets. With the new rear seat area bulkhead, small wing fillets allow a small fairing and blending between the wing and cabin top and fuselage contours. The new fillets allow a more simple assembly and elimination of two splice plates at the aft edge of the cabin top.
10. Elevator down spring added.
11. Rerouting of the main gear brake lines through the landing gear bulkhead and the same skin opening utilized by the landing gear. This allows brake line routing down the aft side of the gear, requiring fewer fittings and clamps as well as reducing drag.
12. Redesigned flap handle knob of molded plastic. A recess in the end of the knob accentuates the grip during flap operation.
13. Nose wheel fairing redesigned to provide ease of removal without disassembly of the nose gear strut to remove the fairing. A removable plate on top of the fairing allows it to slip down over the nose gear fork when the wheel and tire are removed.
14. Visor support tube redesigned to allow visor to lie flat against the cabin roof when not in use.

Total Built - 650

Serial Numbers 52359 thru 53007

Base Price 182 - \$14,890.00

Skylane - \$17,325.00

1961- 182D

1. Key operated start switch.
2. Cam-lock fasteners on cowling, identical to those used on 210 and 310 series aircraft
3. Heavier reinforcements around the parting line between the upper and lower cowlings
4. Gear height decreased an additional four inches, increases useful load four pounds, improves ground handling, more streamlined appearance.

5. "182" added to serial number prefix.
6. Stronger nose wheel fork, similar to model 210.
7. Lower appearance, re-designed black Royalite instrument panel
8. Lever-type cowl flap control provides more positive adjustment for full open, half open and full closed positions.
9. Radio selector switch console added to upper right center section of the panel.
10. Optional front seats with three-position hinged backs.

Total Built - 591

Serial Numbers 18253008 thru 18253598

Base Price 182 - \$15,490.00

Skylane - \$17,950.00

1962 - 182E Major Redesign

1. Fuselage widened four inches.
2. "Omni-vision" rear window added.
3. Interior floor flat and lowered 3/4 inch.
4. Redesigned instrument panel with rocker switches.
5. Electric flaps.
6. New horizontal stabilizer with conventional trim tab replacing jack-screw adjusted stabilizer.
7. Redesigned rudder trim system.
8. Seamless wing tips with faired navigation lights and squared trailing edges.
9. 84 gallons fuel optional.
10. Dual fore and aft fuel feed ports with 25% increase in fuel line diameter to one half inch.
11. Stronger main landing gear and redesigned landing gear attachment.
12. Improved nose wheel steering.
13. Gross weight increased from 2650 lbs. to 2800 lbs., useful load increased approximately 100 lbs.
14. Engine changed from O-470L to O470-R.
15. Aileron control system improved for smoother operation. Cables have been rerouted for easier servicing and smoother operation.
16. Center stack radio installation
17. Improved radio cooling at rate of 5 cubic feet per minute air flow.
18. Redesigned tail cone is lighter yet stronger and incorporates a radio rack immediately aft of the baggage compartment
19. Sharp nosed speed fairings on landing gear.
20. Extruded neoprene rubber "P-type" door seals for increased sound proofing
21. Radio speaker relocated to the left ceiling of the cabin above the pilot
22. Dual dome lights above the rear side windows
23. Optional courtesy lights located in the underside of the wing
24. Optional six position adjustable front seats
25. Longer, pointed prop spinner
26. Optional Cessna Nav-O-Matic 200 autopilot available

Total Built - 826

Serial Numbers 18253599 thru 18254423

Base Price 182 -

Skylane - \$18,490.00

1963 - 182F

1. Magnesium rudder pedals.
2. Interior fabrics upgraded.
3. Baggage compartment hat shelf eliminated to allow for optional relining rear seats or optional baggage compartment child seat. Nylon cargo net utilized with optional snap in half shelf available
4. All aluminum frame three position front seats standard, cast magnesium frame six position seats optional
5. Individual rear seat backs.
6. Cessna/ARC avionics available, factory installed
7. Optional Cessna Nav-O-Matic 300 autopilot available
8. Interchangeable head rests
9. Interchangeable arm rests
10. Dual rheostat controlled panel lighting in ceiling
11. Cast magnesium rudder pedals, tapered with backstepped design
12. Engine ignition harness rerouted
13. Separate small heat muff on exhaust utilized for carburetor heat, eliminating removing air from cabin heat muff for carburetor heat
14. One piece Royalite battery box utilized aft of the baggage compartment

Total Built- 635

Serial Numbers 18254424 thru 18255058

Base Price Skylane - \$18,990.00

1964 - 182G

1. One piece rear window.
2. Longer aft cabin window.

Total Built - 786

Serial Numbers 18255059 thru 18255844

Base Price Skylane - \$17,875.00

1965 - 182H

1. Sharp point propeller spinner increased length 1 inch.
2. Horizontal stabilizer and elevator span increased 10 inches to 11 feet 8 inches.
3. Thicker one piece windshield without center post.

Total Built - 840

Serial Numbers 18255845 thru 18256684

Base Price Skylane - \$17,995.00

1966 - 182J

1. Magnesium ram's horn control wheel replaces plastic control wheel.
2. Redesigned cabin door rotary latches.
3. 60 amp alternator replaces generator.
4. Access opening added to cowl deck just aft of windshield to facilitate maintenance behind the instrument panel. Deck cover zips open and shut.

Total Built - 941

Serial Numbers 18256685 thru 18257625

Base Price 182 - \$16,725

Skylane - \$17,995.00

1967 - 182K

1. Nose strut stroke shortened from 7 inches to 5 inches.
2. New vertical stabilizer tip increases length 2 1/2 inches.
3. Flashing beacon replaces rotating beacon in redesigned fin and rudder tip
4. Canted engine instruments.
5. Wheel pant appearance changed.
6. Split electrical bus utilized.
7. Improved shimmy dampner design
8. Optional blue/white light post lights available
9. Redesigned cabin air rear seat ventilation system reduces inlet air noise
10. Optional dual cabin radio speakers

Total Built - 880

Serial Numbers 18257626 thru 18258505

Base Price 182 - \$17,150.00

Skylane - \$18,450.00

1968 - 182L

1. Pre-select flap control.
2. Redesigned instrument panel to "T" configuration and 3 inch gyros.
3. Spool type aileron control system replaces chain and sprocket drive.
4. Fuel strainer control relocated under cowling next to oil dipstick.
5. 10 degrees of flaps allowance below 120 knots.
6. Optional control wheel mounted map light
7. Two post lights installed on lower control pedestal to illuminate the trim controls, cowl flap control and the fuel selector valve
8. Larger baggage door latch for two finger operation
9. Restyled passenger door handles
10. Noise filter in flap motor circuit with factory installed radios

Total Built - 820

Serial Numbers 18258506 thru 18259305

Base Price 182 - \$17,995.00

Skylane - \$18,995.00

1969 - 182M

1. Turn coordinator standard on Skylane only.
2. Electroluminescent instrument panel lighting optional.
3. Engine TBO increased to 1,500 hrs, which applies to earlier models as well.

Total Built - 750

Serial Numbers 18259306 thru 18260055

Base Price 182 - \$18,895.00

Skylane - \$19,950.00

1970 - 182N

1. Conical camber wing tips reduce wing span 4 inches.
2. Redesigned instrument panel incorporates eyebrow lights.
3. Cowling redesigned for greater streamlining.
4. Transistorized light dimming circuit.
5. Split master switch separating battery from alternator.
6. Radio speaker housed overhead in center-ceiling console which also contains red and white panel flood lighting plus provisions for optional oxygen system controls.
7. Optional retractable ground assist handles in tail cone.
8. Air Temp gage relocated to air vent for improved visibility.
9. Heavy duty exterior door handles.
10. Optional quick drain oil valve.
11. Gross weight increased from 2800 to 2950 lbs., useful load increased approximately 130 lbs., landing weight remains 2800 lbs.

Total Built - 390

Serial Numbers 18260056 thru 18260445

Base Price 182 - \$19,795.00

Skylane - \$20,895.00

1971 - 182N

1. Front seat shoulder harnesses standard, optional on rear seats.
2. Increased soundproofing in forward side panels and cabin roof areas.
3. One piece vacuum formed Ensolite headliner.
4. Baggage compartment lengthened 1 foot and maximum baggage load increased to 200 lbs.
5. Black control wheels used.
6. Bonded baggage door provides rivet free surface.
7. Rear cabin wall attached with velcro, providing easier access to tail cone area.
8. Seat track installation redesigned to provide better carpet life.
9. Optional leather seat coverings.
10. Glareshield padded.
11. Optional tinted skylights.
12. Improved flap position indicator incorporated into the flap pre-select control.
13. High capacity wiring tapes are routed through the extruded, glare-free black anodized control tubes for control wheel wiring needs.

Total Built - 380

Serial Numbers 18260436 thru 18260825

Base Price 182 - \$20,850.00

Skylane - \$21,850.00

1972 - 182P

1. Landing lights moved from wing to nose cowling.
2. Tubular landing gear replaces spring steel, main gear track width increases 13 1/2 inches to 109 inches, landing weight increased 150 lbs. to match 2950 lbs. takeoff weight.
3. Recontoured leading edge bonded to wing to increase camber.
4. Push button annunciator panel.
5. Restyled control wheel with urethane padding, positioned further forward than previous models

6. Non-essential numbers removed from engine instrument, operational arcs utilized instead
7. Improved control lock collar, made from glass filled nylon, will not scratch and is extremely tough.
8. Overvoltage relay installed.

Total Built - 621

Serial Numbers 18260826 thru 18261425

Base Price Skylane - \$23,040.00

1973 - 182P

1. Bonded metal doors for added strength, rigidity and rivet free surface, provide better fit and quieter cabin.
2. Extended dorsal fin.
3. Low profile inside door handles.
4. Redesigned glareshield and panel cover.
5. Molded compass mount with provision for an outside air temperature gage.
6. Shock mounting entire cowling at firewall, isolating it completely from the fuselage to reduce vibration and noise.
7. Bonded metal upper cowl section.
8. Improved map and storage pockets provide additional depth and contain sub-pockets for pencil, flight computer, headset and plotter.
9. Redesigned window moldings allow the side panel material to extend up and over the lower part of the lower part of the window molding.
10. Cessna/ARC navigation radios upgraded from 100 channels to 200 channels.
11. Optional strobe lights available with wing tip mounted power supplies.

Total Built - 1039

Serial Numbers 18261426 through 18262465

Base Price 182 - \$22,435

Skylane - \$23,040

1974 - 182P

1. Tighter cabin door and window seals.
2. Redesigned front door posts.
3. New design engine cooling baffles.
4. Interior door handles fold flush with armrest when latched.
5. New Clark "Y" propeller.

Total Built- 1,010

Serial Numbers 18262466 thru 18263475

Base Price 182 - \$22,435.00

Skylane- \$23,500.00

1975 - 182P

1. New wheel and brake fairings.
2. Engine changed from O-470-R. to O-470-S, horsepower remains 230.
3. Tighter fairing of cowl flaps.
4. Utility shelf built into aft bulkhead increases storage area by one and a third cubic feet. Shelf weight limit is 25 lbs.
5. Skylane II avionics package optional.
6. Cruise speed up 5 knots, supposedly because of the new wheel and brake fairings, redesigned side cowl louvers, and tighter cowl flaps.

7. Optional front seat inertia reel shoulder harnesses.
8. Stainless steel lower door sill scuff plate.
9. Improved seals at fresh air vents.
10. The parting line between upper and lower cowling is lowered at the nose cap ring to improve lower cowl removal during inspection and service.
11. Optional dual flush mounted com antennas installed in the leading edge of the vertical stabilizer.
12. Lower profile glareshield.

Total Built - 820

Serial Numbers 18263476 thru 18264295

Base Price 182 - \$26,700.00

Skylane - \$27,950.00

1976 - 182P

1. Basic 182 model no longer offered, all 182's produced from now on are deluxe "Skylane" model.
2. Improved wing root file to reduce cabin noise.
3. Primary airspeed scale changed from miles per hour to knots.
4. Optional opening right hand window.
5. Optional control wheel mounted electric elevator trim switch
6. Smoothed edges on fin and rudder tips
7. Bonded fuel tank covers
8. Flush mounted avionics cooling scoop
9. Restyled landing gear to fuselage fairings
10. Optional Anti-Precipitation Static Kit
11. Semi-solid state voltage regulator

Total Built - 880

Serial Numbers 18264296 thru 18265175

Base Price - \$32,150.00

1977- 182Q

1. Engine changed from O-470-S to O-470-U. O-470-U. engine produces rated 230 hp at lower rpm (2400 rpm vs. 2600 rpm for O-470-S, Cessna claims rate of climb is improved 13 percent. Primary purpose is to reduce noise.
2. New instrument panel fasteners.
3. Vernier mixture control standard.
4. Padded sub-panel.
5. 90 degree instrument panel cutouts
6. Smaller, rectangular hour meter

Total Built - 790

Serial Numbers 18265176 thru 18265965

Base Price - \$34,950.00

1978 - 182Q

1. 28 volt electrical system.
2. Avionics master switch.
3. Injected molded plastic control wheel.
4. Flush mounted window latch.

Total Built - 624

Serial Numbers 18265966 thru 18266590

Base Price - \$37,350.00

1979 - 182Q

1. Integral fuel tanks (wet wing) replaces fuel bladders, usable fuel increased to 88 gallons (92 total capacity).
2. Redesigned brake master cylinder.
3. Alternator control unit (ACU) replaces separate voltage regulator, high voltage trip out and high voltage warning light.

Total Built - 709

Serial Numbers 18266591 thru 18267300

Base Price - \$39,995.00

1980 - 182Q

1. New design audio panel and marker beacon.
2. Flap position control indicator redesigned.
3. Black panel cover standard.
4. Electric trim disconnect switch is bright red in color
5. Pull type alternator circuit breaker installed
6. Flap system circuitry redesigned for fewer wires and connections.
7. Writing table behind pilots seat optional.
8. EGT optional

Total Built - 414

Serial Numbers 18267301 thru 18267715

Base Price - \$44,550.00

1981 - 182R

1. Turbocharged Lycoming O-540-L3C5D, 23 5 hp available as an option. Turbocharged aircraft have model designation T182.
2. Gross weight increased from 2950 lbs. to 3100 lbs., useful load increases approximately 130 lbs., landing weight remains 2950 lbs.
3. New cabin door latch system using upper door latch pin.
4. Vents in wing roots redesigned for better ventilation and sealing.
5. Fuel selector linkage improved for more positive feel.
6. Battery contactor rating increased to 100 amps continuous.

Total Built - 339

Serial Numbers 18267716 thru 18268055

Base Price - \$51,511,00

Turbocharged - \$62,250.00

1982 - 182R

1. Fuel selector valve located directly below fuel selector handle allowing a single shaft to provide more positive feel.
2. Primer applied before painting.
3. Oil filter standard.
4. 12 inch longer towbar standard.

Total Built - 237

Serial Numbers 18268056 thru 18268293

Base Price - \$58,300.00

Turbocharged - \$70,500.00

1983 - 182R

1. Improved O-470-U. engine TBO increased from 1500 hours to 2000 hours.
2. Increased flap extension speed to 20 degrees from 95 knots to 120 knots.
3. Low vacuum warning light.
4. Electric six cylinder primer.
5. Improved avionics cooling fan uses "squirrel cage" design.
6. Optional split-switch electric elevator trim system which allows the use of a faster trim motor gearing.
7. Improved outlets in the rear seat ventilation system have been relocated from the side to the cabin top and feature individual vent shut-offs and improved directional control of the airflow.

Total Built - 74

Serial Numbers 18268294 thru 18268368

Base Price - \$67,050.00

Turbocharged - \$80,850.00

1984 - 182R

1. Rear seat shoulder harnesses standard.
2. Dual controls standard.
3. Panel cover color changed from black to grey.

Total Built - 65

Serial Numbers 18268369 thru 18268434

Base Price - \$72,750.00

1985 - 182R

1. Square wing root inlets replace dual inlets.

Total Built - 106

Serial Numbers 18268435 thru 18268541

Base Price - \$75,650.00

1986 - 182R

No changes from 1985. 182 production ends after 30 years.

Total Built - 74

Series Numbers 18268542 thru 18268615

Base Price - \$80,950.00

1997-2000 - 182S

Production resumes with the 182S

1. Textron Lycoming fuel injected engine IO-540-AB1A5, 230 HP
2. New seat and restraint system
3. Corrosion proofing
4. Dual vacuum system
5. Annunciator panel
6. Revised electrical system

Serial Numbers 18280004 thru 18280944

Base Price \$190,600

2001 - 182T & T182T

1. Turbocharged version produced using Textron Lycoming TIO-540-AK1A 235 HP
2. Redesigned wheel fairing
3. Redesigned cowl to reduce engine cooling drag
4. Smaller gear strut step
5. Turbo version has standard 4 place oxygen system

Serial Numbers 18280945 - Up

Base Price Non-turbo \$264,500

Turbo \$304,100