

SENECA

CHECKLIST PA-34 200T SENECA II



Cessna

NORMAL PROCEDURES CHECKLIST PA-34-200T SENECA II

PREFLIGHT CHECK

INSIDE CABIN

Avionics Master Switch -- OFF
Landing Gear Control. -- DOWN
Mixture Controls -- IDLE/CUTOFF
Ignition Switches -- OFF
Master Switch -- ON
Landing Gear Lights -- 3 GREEN
Fuel Quantity -- ADEQUATE plus RESERVE
Master Switch -- OFF
Cowl Flaps -- OPEN
Trim Indicators -- NEUTRAL
Pitot/Static System -- DRAIN
Flaps. -- DOWN
Controls -- FREE
Empty Seats -- FASTEN BELTS
Crossfeed drain -- DRAIN

OUTSIDE CABIN

Crossfeed drains -- CLOSED
Right wing, aileron and flap -- CHECK, NO ICE
Right main gear -- NO LEAKS
Strut -- PROPER INFLATION
Tire -- CHECK
Right Wing Tip -- CHECK
Right Leading Edge -- CHECK, NO ICE
Fuel Cap -- OPEN, CHECK QUANTITY and COLOR, SECURE
Right Engine Nacelle -- CHECK OIL
Right Propeller -- CHECK
Cowl Flaps -- OPEN AND SECURE
Fuel Drains -- DRAIN
Nose section -- CHECK
Nose Gear -- NO LEAKS
Strut -- PROPER INFLATION
Tow Bar -- REMOVED AND STOWED

Landing Light -- CHECK
 Forward Baggage Door (keyremovable in locked position only) -- SECURE AND LOCKED
 Wingshield -- CLEAN
 Left Wing, Engine Nacelle and Landing Gear -- CHECK AS ON RIGHT SIDE
 Pitot Tube -- CLEAR, CHECKED
 Stall Warning Vanes -- CHECK
 Rear Door -- LATCHED
 Left Static Vent -- CLEAR
 Dorsal Fin Air Scoop -- CLEAR
 Empennage -- CHECK, NO ICE
 Stabilator -- FREE
 Right Static Vent -- CLEAR
 Antennas -- CHECK
 Navigator and Landing Lights -- CHECK

BEFORE STARTING ENGINES

Seats -- ADJUSTED
 Seat Belts and Shoulder Harness -- FASTEN, ADJUST
 Parking Brake -- SET
 Circuit Breakers -- IN
 Radios -- OFF
 Alternate Air -- OFF
 Alternators -- ON
 Cowl Flaps -- OPEN

STARTING ENGINES **(*repeat for both engines)**

Fuel Selectors -- ON
 Mixture -- RICH
 Throttle -- HALF TRAVEL
 Propeller -- FORWARD
 Master Switch -- ON
 Ignition Switches -- ON
 *Propeller -- CLEAR
 *Starter -- ENGAGE
 Primer button -- ON AS REQUIRED
 *Throttle -- RETARD WHEN ENGINE STARTS
 *Oil Pressure -- CHECK
 *Alternator -- CHARGING
 Gyro pressure -- CHECK

STARTING ENGINE WHEN FLOODED

Mixture -- IDLE CUTOFF
Throttle -- FULL FORWARD
Propeller -- FULL FORWARD
Master -- SWITCH ON
Ignition Switches -- ON
Auxiliary Fuel Pump -- OFF
*Propeller -- CLEAR
*Starter -- ENGAGE

When engine fires:

*Throttle -- RETARD
*Mixture -- ADVANCE SLOWLY

STARTING WITH EXTERNAL POWER SOURCE

Master Switch -- OFF
All Electrical Equipment -- OFF
Terminals -- CONNECT
External Power Plug -- INSERT IN FUSELAGE
Master Switch -- ON -- CHECK AMMETER
Oil pressure Switch -- CHECK

WARM-UP

Throttles -- 1000 to 1200 RPM

TAXIING

Chocks -- X-FEED
Taxi Area -- CLEAR
Throttle -- APPLY SLOWLY
Brakes -- CHECK
Steering -- CHECK
Instruments -- CHECK
Heat and defroster -- CHECK
Fuel Selector -- ON, CHECK CROSSFEED
Autopilot -- OFF

BEFORE TAKEOFF – GROUND CHECK

Parking Brake -- ON
Mixture Controls -- FORWARD
Propeller Controls -- FORWARD
*Throttle Control -- 1000 RPM
*Manifold pressure lines -- DRAIN
*Propeller Controls -- CHECK FEATHERING,
300 RPM max. DROP
*Throttle Control -- 1900 RPM
*Propeller Controls -- CHECK GOVERNOR
*Propeller Controls -- FULL FORWARD
*Alternate Air -- ON then OFF
*Magnetos -- CHECK max DROP 150 RPM. Max DIFF.
DROP 50 RPM
*Alternator output -- CHECK
*Gyro Pressure Gauge -- 4.5: - 5.2" Hg
*Throttle -- 800-1000 RPM
Fuel Selectors -- ON
*Alternator -- ON
*Engine Gauges -- IN THE GREEN
Annunciator Panel -- PRESS TO TEST
Altimeter -- SET
Attitude Indicator -- SET
D.G. -- SET
Clock -- WOUND and SET
Mixtures -- RICH
Propellers -- SET IN FORWARD POSITION
Quadrant Friction Lock -- ADJUSTED
Alternate Air -- OFF
Cowl Flaps -- SET
Wing Flaps -- SET
Trim -- SET
Seat Belts and Harness -- FASTEN ADJUST
Empty Seats -- SEAT BELTS FASTENED
Controls -- FREE, FULL TRAVEL
Doors -- LATCHED
Auxiliary Fuel Pumps -- OFF
Pitot Heat -- AS REQUIRED

TAKEOFF

CAUTIONS

Do not exceed 40 in. Hg. Manifold pressure.

Fast taxi turns immediately prior to takeoff run can cause temporary malfunction of one engine during takeoff.

Normal sea level takeoff at 39 in. Hg.
And 2575 RPM.

Adjust mixture prior to takeoff from high elevations.
Do not overheat. Do not exceed 40 in. Hg. Manifold pressure.

NORMAL TAKEOFF (Flaps up)

Flaps -- UP

Accelerate to 66 to 71 KIAS

Control Wheel -- EASE BACK TO

ROTATE TO CLIMB

ATTITUDE

After breaking ground, accelerate to best
rate of climb speed of 89 KIAS

Gear -- UP

SHORT FIELD TAKEOFF (Flaps up)

Flaps -- UP

Stabilator trim -- TAKEOFF RANGE

Brakes -- SET

Full power before brake release

Accelerate to 66 KIAS

Control Wheel -- ROTATE FIRMLY TO

ATTAIN 71 KIAS

THROUGH 50 ft.

Accelerate to best angle of climb speed of 76 KIAS
For obstacle clearance or best rate of climb speed
of 89 KIAS.

Gear -- UP

SHORT FIELD TAKEOFF (25° Flaps)

Flaps -- 25° (second notch)
Stabilator trim -- SET
Brakes -- SET
Full power before brake release
Accelerate to 61 KIAS
Control Wheel -- ROTATE FIRMLY TO
 ATTAIN 69 KIAS
 THROUGH 50 ft.
Gear -- UP

TAKE OFF CLIMB

Mixture -- FULL RICH
Prop Speed -- 2575 RPM
Manifold Pressure -- DO NOT EXCEED 40 in. Hg.
Climb Speed
 Best Angle -- 76 KIAS
 Best Rate -- 89 KIAS
Cowl Flaps -- AS REQUIRED

CRUISE CLIMB

Mixture -- FULL RICH
Prop Speed -- 2450 RPM
Manifold Pressure -- 31.5 in. Hg.
Climb Speed -- 102 KIAS
Cowl Flaps -- AS REQUIRED

CRUISING

Reference performance charts. Teledyne Continental
Operator's Manual and power setting table
Power -- SET.
Cowl Flaps -- AS REQUIRED
Mixture -- ADJUST
Engine Gauges -- MONITOR

DESCENT

Mixture -- ENRICH WITH DESCENT

Throttles -- CRUISE SETTING

Cowl Flaps -- CLOSED

APPROACH AND LANDING

Gear warning horn -- CHECK

Airspeed -- 98 KIAS ON DOWNWIND LEG

Seat Backs -- ERECT

Seat belts and harness -- FASTEN ADJUST

Fuel Selectors -- ON

Cowl Flaps -- AS REQUIRED

Auxiliary Fuel Pumps -- OFF

Mixture Controls -- SET

Propellers -- 2250 RPM

Landing Gear -- DOWN, 129 KIAS max.

Flaps -- SET AS REQUIRED

Airspeed -- 97 KIAS ON BASE LEG

87 KIAS ON FINAL

On close final:

Power -- REDUCED

Prop. Controls -- FULL FORWARD

GO-AROUND

Full takeoff power, both engines (40 in. Hg. Max.)

Establish positive climb

Flaps -- RETRACT

Gear -- UP

Cowl Flaps -- ADJUST

AFTER LANDING

Clear of Runway

Flaps -- RETRACT

Cowl Flaps -- FULLY OPEN

Alternate Air -- OFF

SHUTDOWN

Heater -- FAN 2 MIN. THEN OFF

Radio and Electrical Equipment -- OFF

Mixture -- IDLE/CUT-OFF

Magnetos Switches -- OFF

Master Switch -- OFF

Parking Brake -- SET ON



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Carenado