



PA 34 – 200 SENECA I. PREFLIGHT CHECK LIST  
HA-SOA

**INTERNAL CHECKS**

Gear Handle _____	DOWN
Avionics & Elec. Equipment _____	OFF
Master Switch _____	ON
Landing Gear Lights _____	3 GREEN
Fuel Quantity _____	CHECK
Master Switch _____	OFF
Magneto Switches _____	OFF
Mixtures _____	IDLE CUT-OFF
Trims _____	NEUTRAL
Control Lock _____	REMOVED
Flaps _____	EXTEND
Aircraft Documents _____	CHECK
Fire Extinguisher _____	CHECK
First Aid Kit _____	CHECK
Crossfeed Drains _____	CHECK

**EXTERNAL CHECKS**

Check the condition and the movement of the control surfaces.

**RIGHT WING**

Right Flap _____	CHECK
Right Aileron _____	CHECK
Right Wing Tip _____	CHECK
Fuel Cap _____	CHECK
Fuel Ventilation Valve _____	CHECK
Fuel Drains _____	TEST
Right Main Landing Gear _____	CHECK
• Hydraulic lines and actuator	
• Tyre wear, cuts, pressure	
• Brake wear, leakage and damage	
• Landing gear strut (correct extension)	

**RIGHT ENGINE**

Oil Quantity _____	CHECK
Engine Compartment _____	CHECK
• Unconnected lines, wires	
• Blowouts	
• Burns	
• Leakages	
• Damages	
Propeller _____	CHECK
Spinner _____	CHECK
Engine Cowling _____	CHECK
Cowl Flap _____	CHECK
Fuel Strainer _____	DRAIN

**NOSE**

Windshield _____	CHECK
• Damage, cleanliness	
Nose Wheel _____	CHECK
• Tyre wear, cuts, pressure	
• Nose gear strut	



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**EXTERNAL CHECKS** page 2

Tow Bar _____	REMOVE
Nose Baggage Door _____	LOCKED

**LEFT ENGINE**

Oil Quantity _____	CHECK
Engine Compartment _____	CHECK
• Unconnected lines, wires	
• Blowouts	
• Burns	
• Leakages	
• Damages	
Propeller _____	CHECK
Spinner _____	CHECK
Engine Cowling _____	CHECK
Cowl Flap _____	CHECK
Fuel Strainer _____	DRAIN

Left Main Landing Gear \_\_\_\_\_ CHECK

- Hydraulic lines and actuator
- Tyre wear, cuts, pressure
- Brake wear, leakage and damage
- Landing gear strut

**LEFT WING**

Pitot Port _____	CHECK
Fuel Drains _____	TEST
Fuel Ventilation Valve _____	CHECK
Fuel Cap _____	CHECK
Left Wing Tip _____	CHECK
Left Aileron _____	CHECK
Left Flap _____	CHECK

**AFT FUSELAGE**

Baggage & Rear Door _____	LOCKED
Static Ports _____	CHECK
Elevator _____	CHECK
Rudder _____	CHECK
Antennas _____	CHECK
Flaps _____	UP

**BEFORE START CHECK LIST**

Pre-Flight Inspection _____	COMPLETED
Flight Documents _____	ON BOARD
Parking Brake _____	SET
Control Lock _____	REMOVED
Seats and Seatbelts _____	ADJUSTED
Baggage & Cabin Doors _____	LOCKED
Gear Handle _____	DOWN
Circuit Breakers _____	CHECKED IN
Avionics & Elec. Equipment _____	OFF
Passenger Briefing _____	A/R
• Emergency Procedures _____	COMPLETED

PA 34 – 200 SENECA I. NORMAL CHECK LIST  
HA-SOA**STARTING ENGINES (left first)**

Mixtures	IDLE CUT-OFF
Prop Levers	FULL FORWARD
Master Switch	ON
Lights	SET
Prime	A/R (FOR COLD ENG)
• Throttle	FULL FORWARD
• Mixture	FULL RICH
• Fuel Pump	ON
• Fuel Flow	CHECK RISING
• Fuel Pump	OFF
Throttle	½" FROM IDLE
Mixture	FULL LEAN
Magnetos (all 4)	ON
Prop Area	CLEAR
Starter	ENGAGE
As Engine Fires	
Mixture	FULL RICH
Starter	RELEASE
Throttle	1200 RPM
• Oil Pressure	CHECKED (30 sec)
• Gyro Suction	CHECKED
• Alternator	ON, OUTPUT CHECKED
Right Engine	REPEAT from Prime

**AFTER ENGINE START**

Throttles	1200 RPM
Fuel Pumps	CHECK OFF
Fuel Selectors	X-FEED
Flaps	UP
Avionics	ON and SET/ATIS
Flight Instruments	CHECKED and SET

**TAXI**

Brakes & Steering	CHECKED
Flight Instruments	CHECKED

**GROUND CHECK (RUN UP)**

Parking Brake	ON
Fuel Selectors	ON
Mixtures	FULL RICH
Throttles	1500 RPM
Prop Feather	EXERCISE (2-3 times)
Throttles	2000 RPM
Magnetos (175/50 RPM)	CHECKED
Alternate Air	CHECKED (50 RPM)
Mixture Control	CHECKED
Propeller Governor	CHECK BALANCE
Alternators & Overvoltage	CHECKED
Engine Instruments	CHECKED
Suction (4,5-5,4 HG)	CHECKED
Throttles Idle	CHECKED
Trims	SET
Flaps	SET for T/O
Cowl Flaps	OPEN
Flight Controls	FREE

PA 34 – 200 SENECA I. NORMAL CHECK LIST  
HA-SOA**BEFORE TAKEOFF**

Flight Instruments	CHECKED
Take off Briefing	PERFORMED
Nav Aids	SET
Seatbelts & Cabin doors	LOCKED
Fuel Quantity	CHECKED
Fuel Pumps	ON

**LINE UP**

Transponder	ALT
Gyro	SET
Pitot Heat	A/R

**CLIMB**

Gear	UP
Flaps	UP
Climb Power (24", 2400 RPM)	SET
Fuel Pumps	OFF
Altimeters	SET

**CRUISE**

Cruise Power	SET
Cowl Flaps	A/R

**APPROACH**

Mixtures	RICH
MSA	XXXX FT
Altimeters	SET
Approach Briefing	PERFORMED
Nav Aids	SET
Fuel Pumps	ON
Fuel Selectors	ON

**LANDING**

Gear	DOWN 3 GREEN
Prop	FULL FORWARD
Flaps	SET for LDG

**AFTER LANDING**

Pitot Heat	OFF
Fuel Pumps	OFF
Transponder	STBY
Flaps	UP
Cowl Flaps	OPEN

**ENGINE SHUTDOWN**

Avionics	OFF
Mixtures	IDLE CUT-OFF
Magnetos	OFF
Electrical Equipment	OFF
Main Switch	OFF
Control Lock	AS REQUIRED
Wheel Chocks	SET
Flight Plan Closed	ATC / PHONE