

# PIPER SEMINOLE G1000

Aircraft Quick Reference



## BEFORE START

Preflight	COMPLETE
Passenger Briefing	COMPLETE
Seats/Seatbelts	ADJUSTED/FASTEN
Fuel Selectors	ON
Trim	SET
Cowl Flaps	OPEN
Gear Lever	DOWN
Cabin air/Heater	OFF(CENTER)
Panel Switches	ALL DOWN
Emergency Battery	ARM
Circuit Breakers	IN
Bus E Volts	23.3 MINIMUM
Master	ON
Alternators	ON
Fin Strobe (Beacon)	DOWN/ON
Nav Lights (Night)	ON

## STARTING ENGINES

### Read Then Execute to Not Flood Engine

Throttles	1/4 INCH OPEN
Props	FULL FORWARD
Aux Fuel Pumps	ALL ON
Magnetos	ALL ON
Mixture (COLD)	PRIME(5sec)-CUTOFF
Mixture (HOT)	CUT-OFF
Prop Area	CLEAR
Starter	ENGAGE
Mixture	ADVANCE
Throttle	1000 RPM
Oil Pressure	CHECK

-Repeat checklist for 2nd Engine-

## BEFORE TAXIING

Avionics Master	ON
PFD	AHRS ALIGNED
Aux Fuel Pumps	OFF
(Taxi out of alley)	
GPS	VERIFY DATABASE
Fuel Weight	FOB SYNC & RST
Map Orientation	TRACK UP
Weather	OBTAIN
Altimeter	SET
Flight Instruments	CHECK
Cabin Air	AS REQUIRED
Hotspots/Taxi Route	BRIEF
Recog Light	ON
Landing Light	ON
Brakes	CHECK

## RUNUP

Brakes	HOLD
Com Frequencies	SET
Landing Light	OFF
Flight Instruments	CHECK AND SET
Fuel	STATE QUANTITY
Mixtures	FULL FORWARD
Props	FULL FORWARD
Throttles	1500 RPMS
Feather Check	<500 RPM DROP
Throttles	2000 RPM
Props	1900 RPM
Throttles	INCREASE 1" MP
Props	VERIFY 1900 RPM
Prop Contols	FULL FORWARD
Magnetos	CHECK
175 rpm max drop, 50 rpm max diff	
Engine Instruments	CHECK
Throttles	1000 RPM
Quadrant Friction	SET
Flight Controls	FREE AND CORRECT

## BEFORE TAKEOFF

Seats	UPRIGHT
Seatbelts	SECURE
Door & Window	CLOSED/LATCHED
Fuel Selectors	ON
Props	FULL
Mixtures	FULL
Alt Air	CLOSED
Cowl Flaps	OPEN
Trims	SET
HSI	SET
FMS	BRIEF
Messages	CONSIDER
Aux Fuel Pumps	ON
All Exterior Lights	ON
Air Conditioner	OFF

## EMERGENCY BRIEF

On the Runway	
<i>AFTER ROTATION</i>	
Gear down	
Gear Up, Below 2000' AGL	
Gear Up, Above 2000' AGL	

## TAKEOFF

Flaps	UP
Mixtures	SET FOR FIELD ELEVATION
Throttle	FULL 2700 RPM
Engine Instruments	CHECK
Rotate	75 KIAS

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## AFTER TAKEOFF

After Positive Rate of Climb:	
Brakes	APPLY MOMENTARILY
Landing Gear	RETRACT
Red Gear Unsafe Lgt	OFF
Best Angle Climb	82
Best Rate Climb	88

## CRUISE CLIMB

Power	25"MP & 2500 RPM
Airspeed	90 to 105 KIAS
Mixtures	ADJUST AS NEEDED
Cowl Flaps	AS REQUIRED

## CRUISE

Cruise Power - 23" MP & 2300 RPM	
Mixtures	AS REQUIRED
Cowl Flaps	AS REQUIRED
Trim Tabs	ADJUST
Aux Fuel Pumps	OFF
Ldg & Recog Lights	OFF
Nav Lights (Day Only)	OFF
FUEL	STATE QUANTITY

## PRE-MANEUVER

Aux Fuel Pumps	OFF
Fuel Selectors	ON
FUEL	STATE QUANTITY
All Exterior Lights	ON
Mixtures	AS REQUIRED
Air Conditioner	OFF (IF SINGLE ENGINE)
Power and RPM	SET
Area	CLEAR

## DESCENT

Mixtures	ADJUST
Throttles	ADJUST
Cowl flaps closed if long descent	

## BEFORE LANDING

GAS (Fuel Selectors & Aux Pumps)	ON
Pilot Flying	
Undercarriage	DOWN <140 KIAS
- 3 Green, 1 in the Mirror	
- No gear warning horn	
- Request verification from Pilot Monitoring	
Pilot Monitoring	VERBALLY CONFIRM
Mixtures	GRADUALLY FULL RICH

Propellers	SYNC AND FULL FORWARD (FINAL)
Air Conditioner	OFF
Seat Belts	SECURE

Switches (All Exterior Lights)	ON
Flaps (As Required)	BELOW 111
Final Approach Speed	75 KIAS
Short Final	VERIFY GEAR DOWN

## AFTER LANDING

Radio	SET
Flaps	0°
Cowl Flaps	Open
Aux Fuel Pumps	OFF
Landing Light	OFF
Strobes	DOWN
Heater (If used)	FAN (DOWN)

## SHUT DOWN

Transponder	VFR
AUX Fuel Pumps	ALL OFF
Interior Lights	OFF
Avionics Master	OFF
Emergency Battery	OFF
Exterior Lights	DOWN
Cabin Air (A/C)	OFF
Throttles	IDLE
Props	HIGH RPM
Mixtures	IDLE CUT OFF
Magnetos (After Stop)	ALL OFF
FUEL	Order (80 gallons)
Alternators & Battery	ALL OFF
Hobbs/Tach Time	RECORD
Control Lock (if needed)	INSTALL
Cabin Door	CLOSE/LOCK

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