

PIPER SEMINOLE

Aircraft Quick Reference



BEFORE START

Preflight	COMPLETE
Passenger Briefing	COMPLETE
Seats/Seatbelts	ADJUSTED/FASTEN
Circuit Breakers	IN
Radio Master	OFF
Fuel Selectors	ON
Trim	SET
Cowl Flaps	OPEN
Carb Heat	OFF
Gear Lever	DOWN
Cabin air/Heater	OFF(CENTER)
Master	ON
Alternators	ON
Day/Night	AS REQUIRED
Fin Strobe (Beacon)	DOWN/ON
Nav Lights (Night)	ON

STARTING ENGINES

Aux Fuel Pumps	ALL ON
Magnetos	ALL ON
Mixture	FULL RICH
Props	FULL FORWARD
Throttles	1/4 INCH OPEN
Prime	AS NEEDED
Prop Area	CLEAR
Starter	ENGAGE
Throttle	1000 RPM
Oil Pressure	CHECK
Gyro Suction	CHECK
-Repeat checklist for 2nd Engine-	

BEFORE TAXIING

Radio Master	ON
PFD	ON
Autopilot/Trim Master	ON
Wing Flaps	UP
Aux Fuel Pumps	OFF THEN ON
(Check Fuel Pressure)	
Weather	OBTAIN
Altimeter	SET
Cabin Air	AS REQUIRED
Throttles	AS REQUIRED
Brakes	CHECK
Flight Instruments	CHECK
Taxi Light	ON
Strobe Light	ON (DAY ONLY)
Hotspots/Taxi Route	BRIEF

BEFORE TAKEOFF

Brakes	HOLD
Com Frequencies	SET
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
Carb Heat	CHECK
Magnetos	CHECK
175 rpm max drop, 50 rpm max diff	
Alternator Output	CHECK
Gyro Suction	4.8 TO 5.2
Engine Instruments	CHECK
Throttles	1000 RPM
Flight Controls	FREE AND CORRECT
Fuel Selectors	ON
Cowl Flaps	OPEN
Carb Heat	OFF
Quadrant Friction	SET
Mixtures	SET
Props	FULL
Annunciator Panel	TEST
HSI	SET
Autopilot	CHECK
Trim	SET
Aux Fuel Pumps	ON
All Exterior Lights	ON
Seatbelts	SECURE
Door	LATCHED
Window	CLOSED

EMERGENCY BRIEF

On the Runway	
After Liftoff, Runway Remaining, Gear down	
No runway remaining, Below TPA, Gear up	
Above TPA	

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 - 20" to 23" MP & 2300 RPM	
Prop RPM	SET
Mixtures	AS REQUIRED
Cowl Flaps	AS REQUIRED
Trim Tabs	ADJUST
Aux Fuel Pumps	OFF
Ldg and Taxi Lights	OFF
Nav Lights (Day Only)	OFF

FUEL STATE QUANTITY

PRE-MANEUVER

Aux Fuel Pumps	ON
Fuel Selectors	ON
FUEL	STATE QUANTITY
Ldg and Taxi Lights	ON
Area	CLEAR
Mixtures	RICH
Power and RPM	SET

DESCENT

Mixtures	ADJUST
Throttles	ADJUST
Cowl Flaps	Close if full stop or 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)
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Seat Belts	SECURE
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Switches (Landing & Taxi Lights)	ON
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Flaps (As Required)	BELOW 111
Final Approach Speed	75 KIAS
Short Final	VERIFY GEAR DOWN

AFTER LANDING

Radio	SET
Flaps	UP
Landing Light	OFF
Strobes (Night Only)	OFF
Cowl Flaps	OPEN
Carb Heat	OFF
Mixture	LEAN FOR TAXI
Aux Fuel Pumps	OFF
Heater (If used)	FAN (DOWN)

SHUT DOWN

Transponder	VFR
All Lights	OFF
Interior Lights	OFF
Radio Master	OFF
PFD	OFF
Autopilot	OFF
Trim Master	OFF
Aux Fuel Pumps	ALL OFF
Throttles	IDLE
Props	HIGH RPM
Mixtures	IDLE CUT OFF
Magnetos	ALL OFF
Batt and Alternators	ALL OFF
Hobbs/Tach Time	RECORD
Control Lock	INSTALL
Cabin Door	CLOSE/LOCK

Vr 75 | Vx 82 | Vxse 82 | Vy 88 | Vyse 88 | Vs0 55 | Vs1 57 | Vmc 56 | Vsse 82
Va 112-135 | Vle 140 | Vlr 109 | Vno 169 | Vne 202

Version 1.1

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