

Piper PA-24 Comanche

Microsoft Flightsimulator 2002

Aircraft & Panel : SIMAVIATOR General Aviation Pack



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Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Magneto/Starter Switch	OFF
Master Switch + Alt/Batt	OFF
Fuel Pump Switch	OFF
Avionics Master Switch	OFF
Battery Switch	ON
Panel Light	ON if required
Landig Gear Lever	CHECK DOWN
Flaps	UP
Propeller	HIGH RPM
Fuel Flow / Mixture	IDLE CUTOFF
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
De-Ice Switch	ON
Request Clearance	
Transponder	SET
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Primer	AS REQUIRED
Throttle	OPEN 1/4 INCH
Propeller	HIGH RPM
Fuel Flow / Mixture	FULL RICH
Fuel Pump	ON
Carburator heat	ON
Magneto/Starter Switch	START
Throttle	IDLE
Alternator	ON
Oil Pressure	CHECK
Ammeter+Voltmeter	CHECK for CHARGE
Engine Instruments	CHECK

Panel Lights	OFF
Battery Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF



Final Glideslope Descent :

Turning toward runway: set flaps	FULL DOWN	
Speed:- Establish	85 KIAS	18"
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	

Landing Checklist

Landing Gear	CHECK DOWN, GREEN
Autopilot	OFF
Landing Speed	80 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Brakes	MINIMUM REQUIRED

Taxi To Ramp

Flaps	RETRACT
Landing Lights	OFF
De-Ice	OFF
Speed	Max. 20 knots
Fuel Pump	OFF
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Carburator Heat	OFF
Avionics Switch	OFF
Pitot Heat	OFF
Fuel Flow / Mixture	CUTOFF
Magneto/Starter Switch	OFF
Strobe Lights	OFF
Beacon	OFF
Nav Lights	OFF
Alternator Switch	OFF

Before Taxi Checklist

Strobe Light	ON
Nav Lights	ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
De-Ice	AS REQUIRED

Request Taxi Clearance

Taxi Checklist

Parking Brake	RELEASE
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns
Taxi to assigned runway	SPEED Max. 20 knots

Before Take-off Checklist

Parking Brake	SET
Pitot Heat	ON
Landing Lights	ON
Fuel Quantity	CHECK
Throttle	IDLE
Propeller	HIGH RPM
Mixture	FULL RICH
Alternator Switch	VERIFY ON
Throttle	2000 RPM
Magnetos	CHECK
	<150 RPM drop on each,
	<50 RPM drop between
Ammeter	CHECK Positive charge ind.
Throttle	IDLE
Fuel Pump	VERIFY ON
Annunciator Lights	CHECK
Elevator Trim	SET for takeoff

Flaps	CHECK UP	
Flight Controls	FREE AND CORRECT	
Engine Instruments	CHECK	
Radios and Avionics	SET	
<i>Request Takeoff Clearance</i>		

Take-off Checklist

Smoothly increase thrust to	FULL	
Brakes	RELEASE	
V1 =	70 KIAS (descision)	
Vr =	75 KIAS (rotate)	
Pitch	10-15 degrees	
At Positive Climb Rate	Touch Brakes	
Landing Gear	RETRACT	
Trim for climb to maintain	90 KIAS	
Annunciator Lights	CHECK	
Lights	AS DESIRED	
Engine Instruments	CHECK	
Fuel Pump	OFF	

Climb-out Checklist

Throttle	FULL	
Autopilot	CHECK and SET	
Landing Lights	OFF	
Carburator Heat	OFF	
Airspeed	110 KIAS	22"
Engine Instruments	MONITOR	
<i>ATC</i>	<i>AS REQUIRED</i>	
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)		

Cruise Climb

Airspeed	120 KIAS	24"
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Cruise Checklist

Accelerate to cruise speed	160 KIAS	25"
Service Ceiling	20'000-22'000 ft	
Engine+Instruments	CHECK	
De-Ice	AS REQUIRED	
Engine Temperatures	STABILIZE at cruise cond.	
Fuel Quantity	CHECK	
Radios	TUNED and SET	
Autopilot	CHECK and SET	
Lights	as required	
Engine Instruments	CHECK	

Descent Checklist

Atis/Airport Information	CHECK	
Altimeter	CHECK	
Radios	SET	
At Transition Altitude (FL180) set Altimeter to local		
Descent Speed	130 KIAS	16"
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	

Approach Checklist

Localizer Level Flight :

Carburator Heat	ON	
Fuel Pump	ON	
De-Ice	AS REQUIRED	
Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	105 KIAS	16"
Landing Lights	ON	
Flaps	10 degrees	
Speed: Establish	90 KIAS	16"
Flaps	20 degrees	17"
Landing Gear	DOWN	21"