

Piper PA-31 Navajo

Microsoft Flightsimulator 2002

Aircraft & Panel : SIMAVIATOR Gernerl Aviation Pack



Werner Schott
Switzerland
w.schott@abbts.ch



Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Avionics Master Switch	OFF
Landing Gear Lever	CHECK DOWN
Flaps	UP
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Battery Switch	ON
Panel Light	ON if required
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
<i>Request Clearance</i>	
Transponder	SET
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Fuel Flow / Mixture	FULL RICH
Throttle	IDLE, cracked
Magneto and Engine Start Switch	START
Oil Pressure	CHECK
Alternator	ON
Loadmeter+Voltmeter	CHECK for CHARGE
Throttle	IDLE

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
<i>Request Taxi Clearance</i>	



Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Avionics Switch	OFF
Taxi Lights	OFF
Nav Light	OFF
Strobe Light	OFF
Fuel Flow / Mixture	CUTOFF
Magnetos	OFF
Beacon	OFF
Alternator Switch	OFF
Panel Light	OFF
Battery Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

Taxi Checklist

Taxi Lights	ON
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
Landing Lights	ON
Fuel Quantity	CHECK
Throttle	IDLE
Propeller	HIGH RPM
Mixture	FULL RICH
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 =	85 KIAS (decision)
Vr =	90 KIAS (rotate)
Pitch	10 degrees
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Trim for climb to maintain	110 KIAS
Annunciator Lights	CHECK OFF
Engine Instruments	CHECK

Climb-out Checklist

Throttle	FULL	
Autopilot	CHECK and SET	
Taxi Lights	OFF	
Landing Lights	OFF	
Airspeed	135 KIAS	22"
Engine Instruments	MONITOR	
ATC	AS REQUIRED	
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)		

Cruise Checklist

Accelerate to cruise speed	180 KIAS	24"
Service Ceiling	20'000 ft	
Engine+Instruments	CHECK	
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	
Descent Speed	160 KIAS	15"
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	
At Transition Altitude (FL180) reset Altimeter to local		
Check Weather	(ATIS, Flight Services)	

Approach Checklist

Localizer Level Flight :

Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	140 KIAS	17"
Landing Lights	ON	
Flaps	SET APPR	
Speed: Establish	120 KIAS	17"
Landing Gear	DOWN	

Final Glideslope Descent :

Turning toward runway: set flaps	FULL DOWN	
Speed:- Establish	100 KIAS	16"
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	95 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL

Taxi To Ramp

Flaps	RETRACT
Taxi Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200