

PIPER WARRIOR CHECKLIST

PREFLIGHT CHECK		STARTING ENGINE WHEN COLD, CONT.		GROUND CHECK, CONT.	
Control Wheel	RELEASE BELT	Throttle	ADJUST	Carburetor Heat	CHECK
Avionics	OFF	Oil Pressure	CHECK		
Master switch	ON			Engine is warm for takeoff when	
Fuel Quantity Gauges	CHECK	If engine doesn't start in		throttle opens without engine falter	
Master Switch	OFF	10 seconds, prime and repeat			
Ignition	OFF			Electric Fuel Pump	OFF
Exterior	CHECK			Fuel Pressure	CHECK
Control Surfaces	CHECK	STARTING ENGINE WHEN HOT		Throttle	RETARD
Hinges	CHECK				
Wings	CHECK	Throttle	1/2" OPEN		
Stall Warning	CHECK	Master Switch	ON	BEFORE TAKEOFF	
Tie Down & Chocks	REMOVE	Electric Fuel Pump	ON		
Navigation Lights	CHECK	Mixture	FULL RICH	Master Switch	ON
Fuel Tanks	CHECK	Starter	ENGAGE	Flight Instruments	CHECK
Fuel Tank Sumps	DRAIN	Throttle	ADJUST	Fuel Selector	PROPER TANK
Fuel Vents	OPEN	Oil Pressure	CHECK	Electric Fuel Pump	ON
Main Gear Struts	CHECK INFLATION			Engine gauges	CHECK
Tires	CHECK			Carburetor Heat	OFF
Brake Blocks	CHECK	STARTING ENGINE WHEN FLOODED		Seat Backs	ERECT
Pitot Head	REMOVE COVER, CLEAR			Mixture	SET
Windshield	CLEAN	Throttle	OPEN FULL	Primer	LOCKED
Propeller & Spinner	CHECK	Master Switch	ON	Seatbelts	FASTENED
Fuel & Oil	CHECK FOR LEAKS	Electric Fuel Pump	OFF	Flaps	SET
Dipstick	CHECK LEVEL, SEATED	Mixture	IDLE CUT-OFF	Trim Tab	SET
Cowling	SECURE	Starter	ENGAGE	Controls	FREE
Inspection Covers	SECURE	Mixture	ADVANCE	Doors	LATCHED
Nose Wheel Tire	CHECK	Throttle	RETARD	Air Conditioner	OFF
Nose Gear Strut	PROPER INFLATION	Oil Pressure	CHECK		
Air Inlets	CLEAR				
Alternator Belt	CHECK TENSION			NORMAL TAKEOFF	
Tow Bar & Control Locks	STOW	WARM UP		Flaps	SET
Baggage	SECURE			Tab	SET
Baggage door	CLOSE & SECURE	Throttle	800 to 1200 RPM		
Fuel Strainer	DRAIN				
Primary Flight Controls	CHECK				Accelerate to 45 to 55 KIAS
Cabin Door	CLOSE & SECURE	TAXIING			
Required Papers	ON BOARD			Control Wheel	BACK PRESSURE TO
Seatbelts	FASTEN	Chocks	REMOVED		ROTATE TO CLIMB ATTITUDE
		Taxi area	CLEAR		
		Throttle	APPLY SLOWLY		
BEFORE STARTING ENGINE		Brakes	CHECK	SHORT FIELD, OBSTACLE CLEARANCE	
		Steering	CHECK	Flaps	25 DEG (2ND NOTCH)
Brakes	SET				
Carburetor Heat	FULL OFF				
Fuel Selector	DESIRED TANK	GROUND CHECK			Accelerate to 52 KIAS
Radios	OFF				
		Throttle	2000 RPM	Control Wheel	BACK PRESSURE TO
		Magnetos	MAX DROP 175 RPM		ROTATE TO CLIMB ATTITUDE
STARTING ENGINE WHEN COLD			MAX DIFFERENCE 50 RPM		
		Vacuum	5.0" Hg. + .1	Maintain 52 KIAS until obstacle cleared	
Throttle	1/4" OPEN	Oil Temp	CHECK		
Master Switch	ON	Oil Pressure	CHECK		Accelerate to 79 KIAS after clear
Electric Fuel Pump	ON	Air Conditioner	CHECK		
Mixture	FULL RICH	Annunciator Panel	TEST	Flaps	RETRACT SLOWLY
Starter	ENGAGE				

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SHORT FIELD, NO OBSTACLE	CRUISING, CONT.	PARKING
Flaps UP Accelerate to 50 KIAS	Normal Max Power 75% Power SET PER POWER TABLE Mixture ADJUST	Parking Brake SET Control Wheel .. SECURED W/ BELTS Flaps FULL UP Wheel Chocks IN PLACE Tie Downs SECURE
Control Wheel BACK PRESSURE TO ROTATE TO CLIMB ATTITUDE	NORMAL DESCENT Throttle 2500 RPM Airspeed 126 KIAS Mixture RICH Carburetor Heat . ON (IF REQUIRED)	RADIO FREQUENCIES KGAI - GAITHERSBURG CTAF 123.075 AWOS 128.275
SOFT FIELD, OBSTACLE CLEARANCE Flaps 25 DEG (2ND NOTCH) Accelerate & lift off nose gear ASAP Lift off at lowest possible airspeed Accelerate just above ground to 52 KIAS to climb past obstacle height Continue climbing while accelerating to best rate of climb speed, 79 KIAS	POWER OFF DESCENT Carburetor Heat . ON (IF REQUIRED) Throttle CLOSED Airspeed AS REQUIRED Mixture AS REQUIRED Power VERIFY WITH THROTTLE EVERY 30 SECONDS	KFDK - FREDERICK CTAF 122.725 AWOS 124.875 KDMW - CARROLL COUNTY CTAF 122.700 AWOS 121.250
Flaps SLOWLY RETRACT	APPROACH & LANDING Fuel Selector PROPER TANK Seat Backs ERECT Belts/Harness FASTEN/ADJUST Electrical Fuel Pump ON Mixture SET Flaps SET - 103 KIAS MAX Air Conditioner OFF Trim to 70 KIAS Final Approach Speed (Flaps 40 DEG) 63 KIAS	POTOMAC TRACON CLEARANCE 121.600 APPROACH 132.775 OR 128.700
SOFT FIELD, NO OBSTACLE Flaps 25 DEG (2ND NOTCH) Accelerate & lift off nose gear ASAP at lowest possible airspeed Accelerate just above ground to best rate of climb speed, 79 KIAS Flaps SLOWLY RETRACT	STOPPING ENGINE Flaps RETRACT Electric Fuel Pump OFF Air Conditioner OFF Radios OFF Throttle FULL AFT Mixture IDLE CUT-OFF Magnetos OFF Master Switch OFF	IMPORTANT PHONE NUMBERS FLIGHT SERVICES 866-992-7433 POTOMAC CLEARANCE 866-429-5882 POT. TRAFFIC PATTERN 540-351-6129 GAITHERSBURG FUEL 301-963-8043 WIFA OFFICE 240-246-7529 WIFA MAINTENANCE 240-477-6617
CLIMB Best Rate (Flaps Up) 79 KIAS Best Angle (Flaps Up) 63 KIAS En Route 87 KIAS Electrical Fuel Pump OFF AT DESIRED ALTITUDE		
CRUISING Reference performance charts & Avco-Lycoming Operator's Manual		



Washington Int'l. Flight Academy
7940 Airpark Road
Gaithersburg, MD 20879