

Howard 500

Microsoft Flight Simulator 2004

Aircraft and Panel : Milton Shupe, João Paz, Scott Thomas



Foto: Art Brett



Werner Schott
Switzerland
w.schott@abbts.ch



Foto: Gerard A. Mark

Other simulator checklists and other sim/real aviation items available for download at <http://www.faatest.com> and <http://www.faatest.com/downloads/simchecklists/simchecklists.html>

Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Battery Switch	OFF
Generator Switches	OFF
Starter Master Switch	OFF
Engine Start Selector Switch	OFF
Magneto & Engine Start Switches	OFF
Fuel Boost Pump Switches	OFF
Pitot Heat	OFF
Avionics	OFF
Landing Gear Lever	CHECK DOWN
Cowl Flaps	OPEN
Flaps	UP
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Fuel Selectors	FULLEST TANK
Battery Switch	ON
Panel Lights	ON if required
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
Anti-ice	CHECK
Carb. Heat	COLD
<i>Request Clearance</i>	
Transponder	STANDBY
Beacon	ON





Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE, cracked
Fuel Flow / Mixture	FULL RICH
Propeller	HIGH RPM
Start Master Switch	OFF
Right Engine	
Right Fuel Boost Pump	ON
Right Magneto Switch	BOTH
Engine Start Selector Switch	RIGHT
Primer	AS REQUIRED
Start Button	ENGAGE (hold until engine starts)
Right Generator	ON
Right Oil Pressure	CHECK
Right Fuel Pressure	CHECK
Repeat for left engine	
Fuel Boost Pumps	OFF
Oil Pressure	CHECK
Fuel Pressure	CHECK
Loadmeter / Voltmeter	CHECK
Engine Start Selector Switch	OFF
Starter Master Switch	OFF
Tail Wheel	UNLOCKED FOR TAXI

Before Taxi Checklist

Nav Lights	ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF

Request Taxi Clearance

Taxi Checklist

Parking Brake
Taxi to assigned runway
Brakes
Directional Gyro
Turn Coordinator
Artificial Horizon

RELEASE
SPEED Max. 20 knots
CHECK during taxi
PROPER IND. during turns
PROPER IND. during turns
ERECT during turns

Before Take-off Checklist

Parking Brake
Fuel Quantity
Fuel Selectors
Cowl Flaps
Throttle
Propeller
Mixture

SET
CHECK
FULLEST TANK
CHECK OPEN
IDLE
HIGH RPM
FULL RICH

Run up

Throttle
Magnetos

1500 RPM
CHECK
<100 RPM drop on each,
<40 RPM drop between
1000 RPM
AS REQUIRED

Throttle
Carb. Heat

SET for takeoff
1 Notch
FREE AND CORRECT

Elevator Trim
Flaps
Flight Controls
Radios and Avionics
Landing Lights
Strobe Light
Fuel Boost Pumps
Pitot Heat
Anti-ice
Engine Instruments
Transponder
Tail Wheel

SET
ON
ON
ON
ON
AS REQUIRED
CHECK
ON
LOCKED FOR TAKEOFF

Request Takeoff Clearance



Foto: Art Brett



Taxi To Ramp

Strobe Light	OFF
Flaps	RETRACT
Landing Lights	OFF
Anti-ice	OFF
Speed	Max. 20 knots
Cowl Flaps	OPEN
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

Shutdown Checklist

Parking Brake	SET
Tail Wheel	LOCKED
Throttle	IDLE
Fuel Boost Pumps	OFF
Avionics Switch	OFF
Nav Light	OFF
Pitot Heat	OFF
Carb. Heat	OFF
Fuel Flow / Mixture	CUTOFF
Fuel Selectors	OFF
Magnetos	OFF
Beacon	OFF
Panel Light	OFF
Battery Switch	OFF
Generator Switches	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF
Cowl Flaps	CLOSE

Take-off Checklist

Smoothly increase thrust to	FULL	56"
Propeller	2750 RPM	
Brakes	RELEASE	
At 60 KIAS	apply forward yoke until tail lifts to horizontal	
V1 =	100 KIAS (descision)	
Vr =	105 KIAS (rotate)	
Pitch	10 degrees	
V2 =	120 KIAS (safety speed)	
At Positive Climb Rate	Touch Brakes	
Landing Gear	RETRACT	
Trim for climb to maintain	155 KIAS	48"
Flaps	UP	
Annunciator Lights	CHECK	
Engine Instruments	CHECK	

Climb-out Checklist

Autopilot	CHECK and SET	
Airspeed	180 KIAS	38"
Propeller	2400 RPM	
Climb Rate	1200 fpm	
Landing Lights	OFF	
Fuel Boost Pumps	OFF	
Engine Instruments	MONITOR	
ATC	AS REQUIRED	
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)		

Cruise Checklist

Accelerate to cruise speed	6000ft	220 KIAS	2200 RPM	32"
	10000ft	210 KIAS	2200 RPM	32"
	18000ft	200 KIAS	2200 RPM	32"
	20000ft	190 KIAS	2200 RPM	32"
Service Ceiling	25'000 ft			
Engine+Instruments	CHECK			
Cowl Flaps	CLOSED			
Engine Temperatures	STABILIZE at cruise cond.			
Fuel Quantity	CHECK			
Fuel Selectors	FULLEST TANK			
Radios	TUNED and SET			
Autopilot	CHECK and SET			
Lights	as required			

Descent Checklist

Atis/Airport Information	CHECK			
Altimeter	CHECK			
Radios	SET			
Descent Speed	210 KIAS			25"
Propeller	2200 RPM			
Descent Rate	-1000 fpm			
Flaps	CHECK UP			
Landing Gear	CHECK UP			
Fuel Balance	CHECK			
Cowl Flaps	CHECK CLOSED			
At Transition Altitude (FL180) reset Altimeter to local				
Check Weather	(ATIS, Flight Services)			

Approach Checklist

Localizer Level Flight :

Landing Lights	ON	
Fuel Selectors	FULLEST TANK	
Fuel Boost Pumps	ON	
Cowl Flaps	OPEN HALFWAY	
Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	190 KIAS	28"
Flaps	1 Notch	
Speed: Establish	150 KIAS	30"
Landing Gear	DOWN	
Turning toward runway: set flaps	FULL DOWN	

Final Glideslope Descent :

Speed: Establish	120 KIAS	30"
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	
Anti-ice	AS REQUIRED	

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	105 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER TAIL WHEEL
Tail Wheel	UNLOCKED