

Beech Super G 18

Microsoft Flightsimulator 2002

Aircraft and Panel : Greg Pepper



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Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Avionics Master Switch	OFF
Landing Gear Lever	CHECK DOWN
Cowl Flaps	OPEN
Flaps	UP
Propeller	HIGH RPM
Fuel Selector	BOTH
Fuel Flow / Mixture	CUTOFF
Battery Switch	ON
Panel Lights	ON AS REQUIRED
Battery Voltage	CHECK
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
Propeller		HIGH RPM
Fuel Flow / Mixture		FULL RICH
Throttle		IDLE, cracked
Engine 2	L/R Magneto Switch	ON
	Fuel Pump	ON
	Fuel Pressure	CHECK
	Engine Start Switch	START (repeatedly until engine starts)
	Generator Switch	ON
	Oil Pressure	CHECK
Repeat for Engine 1		
Loadmeter+Voltmeter		CHECK
Fuel Pumps		OFF



Taxi To Ramp

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

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Avionics Switch	OFF
Nav Light	OFF
Strobe Light	OFF
Fuel Pumps	OFF
Fuel Flow / Mixture	CUTOFF
Fuel Selector	OFF
Magnetos	OFF
Beacon	OFF
Battery Switch	OFF
L/R Generator Switch	OFF

Securing Aircraft

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

Before Taxi Checklist

Strobe Light	ON
Nav Lights	ON
Heading Indicator	SET
Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
<i>Request Taxi Clearance</i>	

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
Landing Lights	ON
Fuel Quantity	CHECK
Fuel Pumps	ON
Cowl Flaps	CHECK OPEN
Throttle	IDLE
Propeller	HIGH RPM
Mixture	FULL RICH
Elevator Trim	SET for takeoff
Flaps	Set 1
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	36"
Brakes	RELEASE	
At 65 MPH	apply forward yoke until tail lifts to horizontal	
V1 =	90 KIAS (decision)	
Vr =	100 KIAS (rotate)	
Pitch	10 degrees	
V2 =	110 KIAS (safety speed)	
At Positive Climb Rate	Touch Brakes	
Landing Gear	RETRACT	
Trim for climb to maintain	120 KIAS	25"
At 500' AGL	FLAPS UP	
Annunciator Lights	CHECK OFF	
Engine Instruments	CHECK	

Climb-out Checklist

Autopilot	CHECK and SET	
Landing Lights	OFF	
Climb Speed	140 KIAS	25"
Climb Rate	700 fpm	
Cowl Flaps	AS REQUIRED	
Engine Instruments	MONITOR	
Fuel Pumps	OFF	
ATC	AS REQUIRED	

Cruise Checklist

Accelerate to cruise speed	180 KIAS	30"
Engine+Instruments	CHECK	
Cowl Flaps	CLOSED	
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	150 KIAS	16"
Descent Rate	-700 fpm	
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	
Cowl Flaps	CHECK CLOSED	
Check Weather	(ATIS, Flight Services)	

Approach Checklist

Localizer Level Flight :

Fuel Pumps	ON	
Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	140 KIAS	20"
Landing Lights	ON	
Flaps	SET 1	
Speed: Establish	120 KIAS	22"
Flaps	Set 2	
Speed: Establish	110 KIAS	24"
Landing Gear	DOWN	
Turning toward runway: set flaps	3 - 4	

Final Glideslope Descent :

Speed: Establish	100 KIAS	21"
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN	
Autopilot	OFF	
Landing Speed	90 KIAS	
Touchdown	MAIN WHEELS FIRST	
Landing Roll	LOWER TAIL WHEEL	