

Beech Bonanza V35

Microsoft Flightsimulator 2002

Aircraft and Panel : Beech Bonanza V35 Carenado Team



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Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Magneto/Starter Switch	OFF
Battery Switch	OFF
Alternator Switch	OFF
Fuel Pump Switch	OFF
Avionics Master Switch	OFF
Battery Switch	ON
Panel Light	ON if required
Landing Gear Lever	CHECK DOWN
Cowl Flaps	OPEN
Flaps	UP
Propeller	HIGH RPM
Fuel Flow / Mixture	IDLE CUTOFF
Fuel Quantity	CHECK
Fuel Selector	FULLEST TANK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
De-Ice Switch	ON
<i>Request Clearance</i>	
Transponder	SET
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	OPEN 1/4 INCH
Propeller	HIGH RPM
Fuel Flow / Mixture	FULL RICH
Fuel Pump	ON
Magneto/Starter Switch	START (hold until engine starts)
Throttle	IDLE
Fuel Pump	OFF
Alternator	ON
Oil Pressure	CHECK
Ammeter+Voltmeter	CHECK for CHARGE
Engine Instruments	CHECK

Alternator Switch	OFF
Panel Light	OFF
Battery Switch	OFF

Securing Aircraft

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

Final Glideslope Descent :

Speed:- Establish	80 KIAS	15"
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	

Landing Checklist

Landing Gear	CHECK DOWN, GREEN
Autopilot	OFF
Landing Speed	75 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Brakes	MINIMUM REQUIRED

Taxi To Ramp

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

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Taxi-Lights	OFF
Avionics Switch	OFF
Pitot Heat	OFF
Fuel Flow	CUTOFF
Fuel Selector	OFF
Magneto/Starter Switch	OFF
Strobe Lights	OFF
Nav Lights	OFF
Beacon	OFF

Before Taxi Checklist

Strobe Light	ON
Nav Lights	ON
Taxi 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
Fuel Selector Valve	FULLEST TANK
Cowl Flaps	CHECK OPEN
Throttle	IDLE
Propeller	CYCLE TWICE
Propeller	HIGH RPM
Mixture	FULL RICH
Alternator Switch	VERIFY ON
Throttle	1800 RPM
Magnetos	CHECK
	<100 RPM drop on each,
	<50 RPM drop between
Ammeter	CHECK Positive charge ind.
Throttle	1000 RPM

Fuel Pump	ON
Annunciator Lights	CHECK
Elevator Trim	SET for takeoff
Flaps	CHECK UP
Flight Controls	FREE AND CORRECT
Engine Instruments	CHECK
Radios and Avionics	SET

Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	60 KIAS (decision)
Vr =	70 KIAS (rotate)
Pitch	10-15 degrees
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Trim for climb to maintain	85 KIAS
Annunciator Lights	CHECK
Lights	AS DESIRED
Engine Instruments	CHECK
Fuel Pump	OFF

Climb-out Checklist

Throttle	FULL
Autopilot	CHECK and SET
Taxi Lights	OFF
Landing Lights	OFF
Airspeed	105 KIAS 20"
Climb Rate	700 fpm
Cowl Flaps	CHECK OPEN
Engine Instruments	MONITOR
ATC	AS REQUIRED

Cruise Climb

Cowl Flaps	AS REQUIRED
Airspeed	120 KIAS 22"

Cruise Checklist

Accelerate to cruise speed	150 KIAS 22"
Engine+Instruments	CHECK
Cowl Flaps	CLOSED
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
Descent Speed	140 KIAS 15"
Descent Rate	-700 fpm
Flaps	CHECK UP
Landing Gear	CHECK UP
Fuel Balance	CHECK
Cowl Flaps	CHECK CLOSED

Approach Checklist

Localizer Level Flight :

Fuel Pump	ON
Fuel Selector	FULLEST TANK
De-Ice	AS REQUIRED
Propeller	HIGH RPM
Mixture	FULL RICH
Speed: Establish	105 KIAS 15"
Landing Lights	ON
Flaps	10 degrees
Speed: Establish	90 KIAS 17"
Landing Gear	DOWN
Turning toward runway: set flaps	FULL DOWN