

Mooney Bravo

Microsoft Flightsimulator 2002

Aircraft : Default Mooney Bravo
Panel : Default Mooney Bravo



Werner Schott
Switzerland
w.schott@abbts.ch



Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Magneto/Starter Switch	OFF
Master Switch + Alt/Batt	OFF
Fuel Boost Pump Switch	OFF
Avionics Master Switch	OFF
Battery Switch	ON
Landig 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
Recognition Lights	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	OPEN 1/4 INCH
Propeller	HIGH RPM
Fuel Flow / Mixture	FULL RICH
Fuel Boost Pump	ON for 20-40 sec.
Fuel Boost Pump	OFF
Magneto/Starter Switch	START (repeatedly until engine starts)
Throttle	IDLE
Alternator	ON
Oil Pressure	CHECK
Ammeter+Voltmeter	CHECK for CHARGE
Engine Instruments	CHECK

Fuel Selector	OFF
Magneto/Starter Switch	OFF
Strobe Lights	OFF
Beacon	OFF
Recognition Lights	OFF
Nav Lights	OFF
Alternator Switch	OFF
Battery Switch	OFF

Securing Aircraft

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

Speed: Establish	90 KIAS	22"
Landing Gear	DOWN	
Turning toward runway: set flaps	FULL DOWN	

Final Glideslope Descent :

Speed:- Establish	80 KIAS	18"
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 Boost 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
F/D	OFF
Avionics Switch	OFF
Pitot Heat	OFF
Fuel Flow	CUTOFF

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
F/D	CHECK ON
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	HIGH RPM
Mixture	FULL RICH
Alternator Switch	VERIFY ON
Throttle	2000 RPM
Magnetos	CHECK
	<150 RPM drop on each,
	<50 RPM drop between
	CHECK Positive charge ind.
Ammeter	

Throttle	1000 RPM
Fuel Boost Pump	ON (verify annunciator lit)
Annunciator Lights	CHECK
Elevator Trim	SET for takeoff
Flaps	CHECK and SET 10 degrees
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 (descision)
Vr =	70 KIAS (rotate)
Pitch	10-15 degrees
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Trim for climb to maintain	85 KIAS
At 500' AGL	RETRACT Flaps
Annunciator Lights	CHECK
Lights	AS DESIRED
Engine Instruments	CHECK
Fuel Boost Pump	OFF

Climb-out Checklist

Throttle	FULL	
Autopilot	CHECK and SET	
Taxi Lights	OFF	
Landing Lights	OFF	
Airspeed	105 KIAS	31"
Cowl Flaps	CHECK OPEN	
Engine Instruments	MONITOR	
ATC	AS REQUIRED	
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)		

Cruise Climb

Cowl Flaps	AS REQUIRED	
Airspeed	120 KIAS	34"

Cruise Checklist

Accelerate to cruise speed	160 KIAS	31"
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	19"
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	
Cowl Flaps	CHECK CLOSED	

Approach Checklist

Localizer Level Flight :

Fuel Boost Pump	ON	
Fuel Selector	FULLEST TANK	
De-Ice	AS REQUIRED	
Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	105 KIAS	23"
Landing Lights	ON	
Flaps	10 degrees	