



Mooney Bravo

Microsoft Flight Simulator X

Aircraft : Default Mooney Bravo
 Panel : Default Mooney Bravo



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Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Magneto/Starter Switch	OFF
Battery & Alternator Switch	OFF
Avionics Master Switch	OFF
Fuel Boost Pump Switch	OFF
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Landig Gear Lever	CHECK DOWN
Cowl Flaps	OPEN
Flaps	UP
Battery Switch	ON
Fuel Quantity	CHECK
Fuel Selector	FULLEST TANK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
De-Ice Switch	TEST/CHECK
Request Clearance	
Transponder	STANDBY
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
Throttle	IDLE
Alternator	ON
Oil Pressure	CHECK
Ammeter+Voltmeter	CHECK for CHARGE
Engine Instruments	CHECK

Securing Aircraft

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



Landing Checklist

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

Taxi To Ramp

Strobe Lights	OFF
Speed Brake	RETRACT
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
F/D	OFF
Avionics Master Switch	OFF
Taxi-Lights	OFF
Nav Lights	OFF
Pitot Heat	OFF
Fuel Flow	CUTOFF
Fuel Selector	OFF
Magneto/Starter Switch	OFF
Beacon	OFF
Recognition Lights	OFF
Alternator Switch	OFF
Battery Switch	OFF

Before Taxi Checklist

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
Taxi to assigned runway	SPEED Max. 20 knots
Brakes	CHECK during taxi
Directional Gyro / Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns

Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Fuel Selector Valve	FULLEST TANK
Throttle	IDLE
Cowl Flaps	CHECK OPEN
Propeller	HIGH RPM
Mixture	FULL RICH
Alternator Switch	VERIFY ON
Throttle	2000 RPM
Magnetos	CHECK <150 RPM drop on each, <50 RPM drop between
Ammeter	CHECK Positive charge ind.
Throttle	IDLE
Elevator Trim	SET for takeoff
Flaps	CHECK and SET 10 degrees
Flight Controls	FREE AND CORRECT
Radios and Avionics	SET
Landing Lights	ON

Taxi Lights	OFF
Fuel Boost Pump	ON (verify annunciator lit)
Engine Instruments	CHECK
Strobe Light	ON
Pitot Heat	ON
De-Ice	AS REQUIRED
Transponder	ON

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
Lights	AS DESIRED
Engine Instruments	CHECK
Fuel Boost Pump	OFF

Climb-out Checklist

Throttle	FULL	
Autopilot	CHECK and SET	
Airspeed	105 KIAS	33"
Propeller	2500 RPM	
Cowl Flaps	CHECK OPEN	
Landing Lights	OFF	
Engine Instruments	MONITOR	

ATC AS REQUIRED

Cruise Climb

Cowl Flaps	AS REQUIRED	
Airspeed	120 KIAS	35"
Propeller	2500 RPM	

Cruise Checklist

Accelerate to cruise speed	160 KIAS	32"
Propeller	2200 RPM	
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	
Engine Instruments	CHECK	

Descent Checklist

Atis/Airport Information	CHECK	
Altimeter	CHECK	
Radios	SET	
Descent Speed	140 KIAS	20"
Propeller	2400 RPM	
Flaps / Landing Gear	CHECK UP	
Cowl Flaps	CHECK CLOSED	
Check Weather	(ATIS, Flight Services)	

Approach Checklist

Localizer Level Flight :

Fuel Boost Pump	ON	
Landing Lights	ON	
Fuel Selector	FULLEST TANK	
De-Ice	AS REQUIRED	
Propeller	HIGH RPM	
Mixture	FULL RICH	
Speed: Establish	105 KIAS	23"
Flaps	10 degrees	
Speed: Establish	90 KIAS	21"
Landing Gear	DOWN	
Turning toward runway: set flaps	FULL DOWN	

Final Glideslope Descent :

Speed: Establish	80 KIAS	18"
Parking Brake	VERIFY OFF	