

# Beechcraft Baron 58 Checklists



For use with Microsoft Flight Simulator X only

**Aussie★Star**  
Flight Simulation  
[www.aussiestarhops.com](http://www.aussiestarhops.com)

### 1. Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Magneto & Engine Start Switches	OFF
Battery & Alternator Switches	OFF
Fuel Pump Switches	OFF
Avionics	OFF
Landing gear Lever	CHECK DOWN
Cowl Flaps	OPEN
Flaps	UP
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Fuel Selectors	ON
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 Switches	TEST/CHECK
<b>Request Clearance</b>	
Transponder	STANDBY
Beacon	ON

### 2. Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	FULL
Fuel Flow / Mixture	FULL RICH
Fuel Boost Pumps	HI
until fuel flow peaks, then	OFF
Throttle	IDLE, cracked
Right Magneto & Engine Start Switch	START (hold until engine starts)
Right Oil Pressure	CHECK 10psi
Right Alternator	ON
Right Alternator Annunciator	CHECK EXTINGUISHED
Repeat for left engine	
Loadmeter / Voltmeter	CHECK for CHARGE
Propeller Synchrophaser	ON

### 3. Before Taxi Checklist

Nav Lights	ON
Taxi Lights	ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATIONS
Radios & Avionics	CHECKED and SET
Autopilot	SET and OFF
F/D	ON

### 4. Taxi Checklist

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

### 5. Before Takeoff Checklist

Parking brake	SET
Fuel Quantity	CHECK
Cowl Flaps	CHECK OPEN
Throttle	IDLE
Propeller	HIGH RPM
Fuel Flow / Mixture	FULL RICH
Elevator Trim	SET for takeoff
Flaps	CHECK UP
Flight Controls	FREE AND CORRECT
Radios & Avionics	SET
Landing Lights	ON
Taxi Lights	OFF
Engine Instruments	CHECK (in the green)
Strobe Light	ON
Pitot Heat	ON
Anti-ice	AS REQUIRED
Transponder	ON
<b>Request Takeoff Clearance.</b>	

## 6. Takeoff Checklist

Smooth increase thrust to	FULL
Brakes	RELEASED
V1=	85 KIAS (decision)
Vr=	90 KIAS (rotate)
Pitch	10 DEGREES UP
At Positive Rate of Climb	Touch Brakes
Landing Gear	RETRACT
Trim for climb to maintain	105 KIAS 2700 RPM 21"
Annunciator Lights	CHECK OFF
Engine Instruments	CHECK

## 7. Climb-out Checklist

Throttle	FULL
Autopilot	CHECK and SET
Landing Lights	OFF
Airspeed	130 KIAS 2500 RPM 21"
Fuel Flow / Mixture	AS REQUIRED
Cowl Flaps	AS REQUIRED
Engine Instruments	MONITOR
<b>ATC</b>	<b>AS REQUIRED</b>

## 8. Cruise Checklist

Accelerate to cruise speed	6000 ft	180 KIAS	2350 RPM	23"
	9000 ft	160 KIAS	2350 RPM	20"
Fuel Flow / Mixture		AS REQUIRED		
Engine+Instruments		CHECK		
Cowl Flaps		CLOSED		
Engine Temperatures		STABILIZE at cruse cond.		
Fuel Quantity		CHECK		
Radios		TUNED and SET		
Autopilot		CHECK and SET		
Lights		As required		
Annunciator Lights		CHECK OFF		
Engine Instruments		CHECK		

## 9. Descent Checklist

ATIS/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
Descent Speed	170 KIAS 2350 RPM 18"
Fuel Flow / Mixture	AS REQUIRED
Descent Rate	-700 fpm
Flaps	CHECK UP
Landing Gear	CHECK UP
Fuel Balance	CHECK
Cowl Flaps	CHECK CLOSED
Check Weather	(ATIS, Flight Services)

## 10. Approach Checklist

### **Localizer Level Flight:**

Landing Lights	ON
Anti-ice	AS REQUIRED
Fuel Boost Pumps	LO
Fuel Flow / Mixture	FULL RICH
Speed: Establish	145 KIAS 2350 RPM 18"
Flaps	SET APPR
Speed: Establish	120 KIAS 2350 RPM 18"
Landing gear	DOWN
Turning towards rwy: Set flaps	DOWN
Propeller	HIGH RPM

### **Final Glideslope Descent:**

Speed: Establish	100 KIAS 15"
Parking Brake	VERIFY OFF

## 11. Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	95 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL

## 12. Taxi To Ramp

Strobe Light	OFF
Flaps	RETRACTED
Taxi Lights	ON
Landing Lights	OFF
Anti-ice	OFF
Speed	Max. 20 knots
Cowl Flaps	Open
Elevator trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200 or SET as per ATC

## 13. Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Fuel Boost Pumps	OFF
F/D	OFF
Avionics Switch	OFF
Taxi Lights	OFF
Nav Light	OFF
Pitot heat	OFF
Fuel Flow / Mixture	CUTOFF
Fuel Selectors	OFF
Magnetos	OFF
Beacon	OFF
Panel Light	OFF
Battery Switch	OFF
Alternator	OFF
Propeller Synchrophaser	OFF

## 14. Securing Aircraft

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