



**NORMAL CHECKLIST -
BEECHCRAFT BARON BE55**

PREFLIGHT INSPECTION

COCKPIT	
Control Lock	REMOVE AND STOW
Parking Brake	SET
All Switches	OFF
Trim Tabs	SET TO ZERO
RIGHT FUSELAGE	
Load Distribution	CHECK AND SECURED
Baggage Door	SECURE
Static Port	UNOBSTRUCTED
EMPENNAGE	
Control Surfaces, Tabs	CHECK
Tail Cone, Tail Light, Beacon	CHECK
Tie Down	REMOVE
Cabin Air Inlet	CHECK
LEFT FUSELAGE	
Cabin Air Outlet	CHECK
Static Port	UNOBSTRUCTED
All Antennas and Lower Beacon	CHECK
LEFT WING TRAILING EDGE	
Fuel Sump Aft of Wheel Well	DRAIN
Fuel Vents	CHECK
Flap	CHECK
Aileron	CHECK MOVEMENT
LEFT WING LEADING EDGE	
Lights	CHECK
Stall Warning Vane	CHECK FREEDON
Fuel Quantity	CHECK
Fuel Cap	SECURE
Fuel Sight Guage	CHECK
Pitot	REMOVE COVER/INSPECT
Tie Down	REMOVE
Engine Oil	CHECK QTY 10 Quarts
Engine Oil Door and Dip	SECURE
Landing Light	CHECK
Engine Cowling and Doors	CHECK CONDITION
Engine Air Intake	NOT OBSTRUCTED
Propeller	NO NICKS OIL LEAKS
Cowl Flap	CHECK
Wheel Well Doors	Tire, Brake Line, Struts
Landing Gear Uplock Roller	CHECK
Fuel Drains	DRAIN
NOSE SECTION	
Wheel Well Doors	Tire, Strut
Taxi Light	CHECK
Heater Air Inlets	CLEAR
Baggage Door	SECURE
RIGHT WING LEADING EDGE	
Repeat LEFT WING CHECKS	CHECK AS ABOVE



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BEFORE STARTING ENGINE

Seats	POSITION and LOCK
Seat Belts and Sholder Harnesses	FASTEN
Parking Brake	SET
All Avionics	OFF
Landing Gear Handle	DOWN
Cowl Flap	CHECK OPEN
Fuel Selector Valves	CHECK ON
Battery and Alternator Switches	ON
Fuel Qty Indicators	SUFFICIENT
Landing Gear Position Lights	CHECK

STARTING ENGINE

If engine is HOT and ambient temp is above 32C, place Mixture to ICO and fuel pump high for 30 seconds then fuel pump off.	
Mixture	RICH
Propellor	HIGH RPM
Throttle	1/2 INCH OPEN
Fuel Pump on	HIGH UNTIL FLOW STABLE
If engine is HOT and ambient temp is above 32C, place Mixture to ICO and fuel pump high for 30 seconds then fuel pump off.	
Magneto/Start Switch	START
Do not engage Starter for more than 20 seconds in 4 min period	
Throttle	1000 RPM
Oil Pressure	25psi within 30s
Alternators	ON
Alternator OUT light on	Switch Regulator
Load Meters with no load	0.2 or less after 120s
Avionics Master Switch	ON

RUNUPS

Parking Brake	SET
Cabin Doors and Windows	CLOSED and LOCKED
Cowl Flaps	FULL OPEN
Aux Fuel Pumps	OFF
All Instruments	CHECK
Fuel Indicators	CHECK
Mixture	RICH
Propellers	2200RPM
Excercise Propellers NOT into Feather	RPM drop
	Manifold Increase
	Oil Pressure Drop
Throttles	1700RPM
Magnetos	CHECK max drop 150rpm
Throttles	1500RPM
Feather Check no more than 300rpm	CHECK
Throttles	IDLE
Trim	AS REQ for T/O
Flight Controls	FULL AND FREE
Doors and Windows	LOCKED



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TAKE OFF

NORMAL TAKEOFF	
Wing Flaps	0 Degrees
Power	FULL
Elevator Control	Weight off nose 60 KIAS
Rotate	75 KIAS
Brakes	APPLY momentarily
Landing Gear	RETRACT

ENROUTE CLIMB

NORMAL CLIMB	
Airspeed	120 KIAS
Power	25hg/2500rpm
Mixture	LEAN as required
Cowl Flaps	OPEN as required
MAX PERFORMANCE CLIMB	
Airspeed	107 KIAS at SL
Power	MAX CONTINUOUS
Mixture	LEAN as required
Cowl Flaps	FULL OPEN

CRUISE

Power	22hg/2200rpm
Elevator and Rudder Trim	ADJUST
Mixture	LEAN 75 degrees ROP
Cowl Flaps	CLOSED

DESCENT

Power	AS DESIRED
Mixture	Increase as Required
Cowl Flaps	CLOSED

BEFORE LANDING

Seats and Belts	SECURE
Fuel Selector	ON
Landing Gear	EXTEND below 153IAS
Landing Gear	DOWN AND GREEN
Mixture	RICH
Propellor	HIGH RPM
Wing Flaps	AS DESIRED
15 degrees below 153 KIAS, 30 degrees below 122 KIAS	
Auto Pilot	OFF
Elevator Trim	ADJUST



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LANDING

NORMAL LANDING	
Airspeed	100 KIAS
Wing Flaps	30 Degrees
Elevator Trim	ADJUST
Touch Down	MAIN WHEELS first
Landing Roll	LOW NOSE GENTLY
Braking	MINIMUM REQUIRED
SHORT FIELD LANDING	
Wing Flaps	30 Degrees
Airspeed	90 KIAS
Elevator	ADJUST
Touch Down	MAIN WHEELS first
Wing Flaps	RETRACT
Brakes	Apply Firmly
BALKED LANDING	
Propellers	High RPM
Power	FULL
Climb Speed	90 KIAS
Flaps	UP
Landing Gear	UP
Cowl Flaps	OPEN

AFTER LANDING

Wing Flaps	RETRACT
Cowl Flaps	OPEN
Trim Tabs	Set to Zero

SHUTDOWN

Parking Brake	SET
Propellers	High RPM
Throttles	1000 RPM
Aux Fuel Pumps	OFF
Electrical and Avionics	OFF
Mixture	ICO
Magneto/Start Switches	OFF
Battery and Alternator Switches	OFF
Controls	LOCKED

SHUTDOWN

VA	156 KIAS
VFE 15 degrees	153 KIAS
VFE 30 degrees	122 KIAS
VLE Max Landing Gear Extended Speed	153 KIAS
VLO Max Landing Gear Op SPEED	153 KIAS
VNO Max Structural Cruising SPEED	182 KIAS
VNE Never Exceed SPEED	223 KIAS
VS	76 KIAS
VS0	72 KIAS
VMCA	80 KIAS
MTOW	2313 KG
EMPTY WEIGHT	1606 KG