

Bellanca 7ECA N49NH

INTERIOR	
Control Sticks	- Free
Magnetos	- OFF
Electrical Sw	- OFF
Fuel Gauges	- Check
Master Switch	- ON
Beacon/Lts	- Check
Master Switch	- OFF
Fuel Shutoff	- Down/On
Belts	- Check, Secure rear seat for solo flight

EXTERIOR INSPECTION	
Door	- Hinges, latches
Right Wing: Check	
Root Fairing	- Secure
Aileron	- Hinges, screws - Movement
Wingtip/Light	- Check
Tie Down	Removed
Struts	- Dents, aligned - Drain hole
Pitot Static	- Check
Fuel	- Qty, color, cap sec
Rt Gear	- Chocks Remv - Tire - Brakes
Nose	
Windshield	- Clean, clear
Oil Qty	- Min 4 Qts - Dipstick secure
Fuel	- Drain gascolator
Cowling, oil door	- Secure
Propeller	- No nicks, dents
Spinner	- Cond, Security
Intake, Filter	- Clean, Clear
Landing Light	- Check
Left Gear	- Same as Rt
Left Wing: Check	
	- Fuel Vent clear
Fuselage	
Fabric	- Condition
Antennas	- Secure
Fuel Drain	- Drain, check
Tail	
Brace Wires	- Check
Rudder, Lt	- Check
Elevator, Trim	- Check
Tail Wheel	- Inflation, security
Tie Down	Removed

BEFORE ENTERING AIRCRAFT	
Tie Downs	- Removed
Tow Bar	- Removed
Chocks	- Removed
Taxi Route	- Clear
Prop Blast	- Clear

INTERIOR	
Passengers	- Brief
Hobbs/Tach	- Record
Belt/Harness	- Locked
Fuel Shutoff Valve	- "On"
Brakes	- Test and Set
Electrical Sw	- Off
Door	- Closed
Window	- As desired

START	
Master	- On
Magnetos	- On
Throttle	- 1/4 open
Carb Heat	- Cold
Mixture	- Full Rich
Prime	- As Required
Propeller	- Clear
Brakes	- Set / Hold
Starter Button	- Push
After Start:	
Oil Pressure	- Check
Throttle	- 1000 RPM
Lights	- As Required
Radios	- ON

BEFORE TAXI	
Heat / Vents	- As Required
ATIS/AWOS	- Obtain
Altimeter	- SET
Transponder	- ALT
Brakes	- Check

RUNUP	
Brakes	- Set / Held
Doors/Window	- Closed/Lock
Mixture	- Rich
Stick	- Full Aft
Throttle	- 1800 RPM
Mag Check	- 200 drop, 50 diff
Carb Heat	- Check, then Cold
Engine Instr	- Check
Ammeter	- Check
Throttle	- Idle Check - 1000 RPM
Parking Brake	- OFF

BEFORE TAKEOFF	
Belt/Harness	- Secure
Trim	- Set for Takeoff
Flight Controls	- Free & Correct
Fuel Shutoff Valve	- On
Mixture	- Full Rich
Carb Heat	- Cold
Engine Instr	- Check
Ammeter	- Check
Transponder	- Code
Radio	- SET
Brief	- Accomplish

TAKEOFF	
Throttle	- Smooth to full
Rotate	- 60 MPH
Climb	- 75-80 MPH

CLIMB	
Airspeed	- 75-80 MPH
Throttle	- Full Open
Mixture	- Rich below 5000

CRUISE	
Power	- Set for cruise
Trim	- As Required
Mixture	- Lean when <75% pwr

DESCENT	
Mixture	- Full Rich
Throttle	- As desired
Airspeed	- As desired
ATIS/AWOS	- Obtain

BEFORE LANDING	
Fuel	- Check
Belts/Harness	- Secure
Mixture	- Rich
Landing Light	- As Required

AFTER LANDING	
Carb Heat	- OFF
Trim	- Takeoff

SHUTDOWN	
Parking Brake	- SET
Radios	- OFF
Electrical Sw	- OFF
Mixture	- Idle cutoff
Mags	- OFF after prop stop
Master	- OFF
Tach/Time	- Record
Secure Aircraft	

Close Flight Plan	
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POWER LOSS AFTER TAKEOFF	
Best Glide	- 65 MPH
Secure Engine	
Mixture - Cutoff	
Fuel Shutoff Vlv - "OFF"	
Electrical Sw - ALL OFF	

BAILOUT	
Throttle	- Idle
Door	- Jettison
Dive straight out, aft	
Parachute	
	Open immediately when clear

POWER LOSS IN FLIGHT	
Best Glide	- 65 MPH
Prepare for Landing	
Attempt Restart	
Carb Heat - ON/HOT	
Fuel Shutoff Vlv - "ON"	
Mixture - Full Rich	
Mags - Both on	
Primer - In/Locked	
Forced Landing	- Accomplish

ENGINE FIRE DURING START	
Continue Cranking Engine	
If engine no start:	
Continue Cranking Engine	
Throttle - MAX	
Mixture - Cutoff	
Fuel Shutoff Vlv - "OFF"	
Electr/Mags - ALL OFF	
If engine starts	
Run / Shutdown / Inspect	

ENGINE FIRE IN FLIGHT	
Secure Engine	
Mixture - Idle Cutoff	
Fuel Shutoff Vlv - "OFF"	
Electr/Mags - ALL OFF	
Cabin Heat	- OFF
Forced Landing	- Accomplish

FORCED LANDING	
Best Glide	- 65 MPH
Secure Engine	
Mixture - Cutoff	
Fuel Shutoff Vlv - "OFF"	
Electrical Sw - ALL OFF	

ELECTRICAL FIRE IN FLIGHT	
Electrical Sw	
All but Mags - OFF	
Air Vents/Windows	
- Open as required	
Extinguisher - Activate	
If fire continues:	
Land immediately	

Aircraft Data	
Vrotate	60 MPH
Vx	58 MPH
Vy	70 MPH
Glide	65 MPH
Vne	153 MPH
Final	65 MPH