

BONANZA A36 N1ZP

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PREFLIGHT INSPECTION		EMERGENCY PROCEDURES	
1. CABIN	1) Aircraft Key.....IN HAND 2) Engine tach time....CHECK 3) Documentation.....ARROW 4) Charts.....CHECK 5) Control Lock.....REMOVE 6) Ignition SwitchOFF 7) Avionics.....OFF 8) Circuit Breakers...IN 9) Master Switch.....ON 10) Fuel Quantity.....CHECK 11) Flaps.....DOWN.....CHECK 12) Lights / Turn Coor...CHECK 13) Gear Switch Down...3 GREEN 14) Master SwitchOFF 15) Cowl Flaps.....OPEN 16) Fuel Selector.....CHECK	ELECTRIC/ALTERNATOR FAILURE DURING START ON GROUND <ul style="list-style-type: none"> 1. Circuit Breaker.....CHECK 2. Master Switch.....OFF / ON 3. Ammeter (discharge?)...CHECK <p>IF ALTERNATOR IS STILL OFF-LINE:</p> <ul style="list-style-type: none"> 4. Battery.....ON 5. Electrical Switches....OFF 6. Avionics (as required)...ON 7. Electrical (as required)...ON 8. Flight.....LAND ENGINE FAILURES ENGINE FIRE IN FLIGHT <ul style="list-style-type: none"> 1. Firewall Air Control...CLOSE 2. Mixture.....CUT-OFF 3. Fuel Selector Valve...OFF 4. Ignition Off.....OFF 5. Master Switch.....OFF ENGINE FAILURE (RESTART) <ul style="list-style-type: none"> 1. Airspeed.....110 KIAS 2. Landing Site.....SELECT 3. Master Switch.....ON 4. Boost Pump.....ON 5. Fuel Selector.....SWITCH 6. Mixture.....TANKS 7. Ignition Switch.....RICH 8. Alternate Air.....PULL 9. Transponder.....7700 10. Radio.....121.5 ENGINE FAILURE (SECURING) <ul style="list-style-type: none"> 1. Airspeed.....110 KIAS 2. Propeller.....LOW RPM 3. Mixture.....CUT-OFF 4. Fuel Selector Valve...OFF 5. Ignition Switch.....OFF 6. Wing Flaps.....AS REQUIRED 7. Master Switch.....OFF 8. Doors.....UNLATCH 9. Seat Belts.....SECURE 10. Final Approach.....81 KIAS LOST COMMUNICATIONS <ul style="list-style-type: none"> 1. Freq, Volume, Squelch.CHECK 2. Transponder.....7600 ROUGH ENGINE <ul style="list-style-type: none"> 1. Mixture.....RICH 2. Ignition.....R / L 3. Alternate Air.....PULL 	AIRCRAFT FIRES DURING START ON GROUND <ul style="list-style-type: none"> 1. Cranking.....CONTINUE If engine starts: <ul style="list-style-type: none"> 2. Power.....1700 RPM (2min) 3. Engine.....SHUTDOWN <p>If engine fails to start:</p> <ul style="list-style-type: none"> 4. Throttle.....FULL OPEN 5. Mixture.....IDLE CUT-OFF 6. Cranking.....CONTINUE 7. Fire Extinguisher..OBTAIN 8. Engine.....SECURE ENGINE FIRE IN FLIGHT <ul style="list-style-type: none"> 1. Firewall Air Control...CLOSE 2. Mixture.....CUT-OFF 3. Fuel Selector Valve...OFF 4. Ignition Off.....OFF 5. Master Switch.....OFF ELECTRICAL/WING FIRE IN FLIGHT <ul style="list-style-type: none"> 1. Firewall Air Control...CLOSE 2. Master Switch.....OFF 3. Avionics.....OFF 4. All Electrical/Lights...OFF 5. Fire Extinguisher....ACTIVATE CABIN FIRE <ul style="list-style-type: none"> 1. Firewall Air Control..CLOSE 2. Master Switch.....OFF 3. Fire Extinguisher.....ACTIVATE EMERGENCY DESCENT <ul style="list-style-type: none"> 1. Throttle.....CLOSE 2. Propeller.....FULL RPM 3. Gear Down.....< 153 KIAS 4. Airspeed.....153 KIAS 5. Landing Site.....SELECT MANUAL GEAR EXTENSION <ul style="list-style-type: none"> 1. Circuit Breaker.....PULL OUT 2. Airspeed Below.....153 KIAS 3. Landing Gear.....DOWN 4. Hand Crank.....50 TURNS* 5. Gear Lights.....3 GREEN 6. Handcrank.....STOW * Hand crank counterclockwise ** Do not retract gear manually
2. EMPENNAGE	1) Static Source (2)...CHECK 2) Tail Tie-Down.....UNHOOK 3) Control Surfaces...CHECKfreedom of movement and securitymovement and security	LEFT WING <ul style="list-style-type: none"> 1) Flap.....CHECK 2) Aileron.....CHECKfreedom of movement and security BAGGAGE / PASSENGERS <ul style="list-style-type: none"> 13) Seatbelts/Seats.....SECURE 14) Airvents.....LOCATION 15) FIRE Extinguisher...LOCATION 16) Emergency Egress...BRIEF 17) Talking.....WHEN 18) Questions.....? 	RIGHT WING <ul style="list-style-type: none"> 1) Fuel QuantityCHECK 2) Filler Cap.....SECURE 3) Wing Tie-Down...UNHOOK 4) Stall Warning.....CHECK 5) Pilot Tube Cover... REMOVE and check for blockage 6) Fuel QuantityCHECK 7) Filler Cap.....SECURE 8) Wing Tie-Down...UNHOOK 9) Wheel Well.....EMPTY 10) Tire/Brake/Strut...CHECK 11) Left Wing Tank....SUMP 12) Fuel Vent.....CHECK 13) Fuel Selector.....SUMP/COVER
3. LEFT WING	1) Flap.....CHECK 2) Aileron.....CHECKfreedom of movement and security	LOST COMMUNICATIONS <ul style="list-style-type: none"> 1. Freq, Volume, Squelch.CHECK 2. Transponder.....7600 	ROUGH ENGINE <ul style="list-style-type: none"> 1. Mixture.....RICH 2. Ignition.....R / L 3. Alternate Air.....PULL

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BEFORE STARTING ENGINE	12) Mixture.....LEAN 13) Alternator Master.....ON 14) Avionics.....ON 15) Flaps.....UP	NORMAL TAKEOFF	1) Wing Flaps.....UP 2) Prop.....HIGH RPM 3) Mixture.....SET 4) Throttle.....FULL OPEN 5) Rotate (Vr).....70 KIAS 6) Climb Speed (Vx)....96 KIAS 7) Gear.....UP	LANDING	1) Cowl Flaps.....OPEN 2) Fuel Selector.....FULLEST 3) Landing Gear (Vlo)....DOWN 4) Mixture.....(153 KIAS) 5) Prop control.....FULL 6) Flaps (Vfe).....SET 7) Final Approach.....(123 KIAS)
STARTING ENGINE (COLD)	1) Mixture.....FULL RICH 2) Prop.....HIGH RPM 3) Throttle.....HALF OPEN 4) Fuel Boost Pump...ON - HI (peak flow) / OFF 5) Throttle.....1/4 " OPEN 6) Propeller Area.....CLEAR 7) Ignition Switch.....START	BEFORE TAKEOFF	1) Brakes.....SET 2) Seat Belts.....ON 3) Panel Lights.....TEST/OFF 4) Flight Controls.....FREE and CORRECT 5) Flight Instruments.....SET	SHORT FIELD TAKEOFF	1) Wing Flaps.....UP 2) Prop.....HIGH RPM 3) Mixture.....SET 4) Brakes.....APPLY 5) Throttle.....FULL OPEN 6) Brakes.....RELEASE 7) Rotate (Vr).....70 KIAS
OVER/PRIME CONDITION	Mixture.....IDLE CUT Throttle.....OPEN Ignition Switch.....START Throttle.....IDLE Mixture.....RICH	AFTER TAKEOFF	Airspeed.....ZERO Art Horiz....ALLIGNED/SET Altimeter....CORRECT BARO Turn Coor....NO FLAG Dir Gyro....CHECK HEADING VSI.....ZERO Autopilot....ON/ DISCONNECT GPS.....ON	GO AROUND	1) Throttle / Prop.....FULL 2) Gear.....UP 3) Flaps.....RETRACT 4) Pitch (VY).....96 KIAS 5) Cowl Flaps.....OPEN
STARTING ENGINE (WARM)	1) Mixture.....IDLE CUT 2) Prop.....HIGH RPM 3) Throttle.....FULL OPEN 4) Fuel Boost Pump...ON - HI(30-60 SEC) 5) Fuel Boost Pump....OFF 6) Mixture.....RICH 7) Fuel Boost Pump...ON - HI (peak flow) / OFF 8) Throttle.....1/4 " OPEN 9) Propeller Area.....CLEAR 10) Ignition Switch.....START 11) Oil Pressure.....CHECK	ENROUTE CLIMB	1) Obstacle 50' (Vx)....78 KIAS 2) Climb Speed (Vx)....96 KIAS 3) Gear.....UP	AFTER LANDING	1) Mixture.....LEAN 2) Cowl Flaps.....OPEN 3) Wing Flaps.....UP 4) Transponder.....ALT 5) Trim.....3 deg UP 6) Lights.....OFF 7) Radio.....GROUND
		CRUISE	1) Throttle.....FULL OPEN 2) Prop.....2500 RPM 3) Engine Temp.....MONITOR 4) Airspeed.....110 KIAS 5) Mixture.....LEANabove 5000'	ENGINE SHUTDOWN	1) Throttle.....IDLE 2) Electrical.....OFF 3) Avionics.....OFF 4) Ignition.....CHECK 5) Mixture.....CUT-OFF 6) Ignition.....OFF 7) Master.....OFF
		DESCENT	1) Throttle/Prop.....SET 2) Cowl Flaps.....CLOSED 3) Mixture.....RICHEN 4) Fuel Selector.....FULLEST 5) Lights.....ON 6) Seat Belts.....ON	SECURING AIRCRAFT	1) Wheels.....CHOCKED 2) Ignition Key.....REMOVE 3) Switches.....OFF 4) Magnets.....OFF 5) Controls.....SECURE 6) Fuel/Paperwork.....FINISH