

BushCat CHECKLIST

Interior Pre-Flight Inspection	
All required paper work on board	Check
Conduct weight and balance.	Check
All switches -- Off	Off
Fuel selector -- Off	Off
Trim tab -- Set to neutral	Check
Flaps – Up	Check
Check wing/nosegear attach bolts as well as control cables and pulleys	Check
Check control stick attach pins and cables	Check
Check operation of exterior lights	Check
Fuel Quantity	Check
Check brakes for pressure and signs of leakage	Check
Aft Baggage Area	
Fuel Tank, Fuel Filters, Aux Pump, and Lines for Leakage and integrity	Check
Baggage secured	Check
Control cables unobstructed	Check
Fuselage area floor, check for loose nuts/hardware	Check
Exterior Pre-Flight Inspection	
Wing – Check wing strut bolt and attachment bracket.	Check
Wing – Jury Strut	Check
Wing – Leading Edge	Check
Wing - Remove pitot cover	Check
Tie down remove	Check
Wing tip – check for cracks, light and lens cover undamaged	Check
Aileron – Check hinges and for free movement	Check
Aileron – Check aileron bell crank	Check
Wing zips – all closed	Check
Flap – Check hinges and overall integrity	Check
Check Antennas	Check
Fuel Cap - On	Check
Fuel Contamination	Check
Landing Gear – Check legs, brake lines, calipers, and tires for security and leaks	Check
Empennage – check for overall integrity and zips closed	Check
Tail surfaces – Fittings and bolts secure and intact	Check
Elevator – Check for free movement and hinges are secure.	Check
Trim Tab – check hinges and cables secured	Check
Rudder – Check for free movement and hinges are secure	Check
Repeat Other Side Wing and Landing Gear Inspections	Check
Propeller – Remove covers and check security and any defects	Check
Engine – Check fluid levels, seals, bolts, and for any leaks. Burp engine	Check
Oil cap secured	Check

BushCat CHECKLIST

V-SPEEDS (IAS)

VG	64mph
VR	55mph
VY	67mph
VX	55mph
VS	51mph
VSI	47mph
VSO	45mph
VNE	103mph
VX Wind	12mph

FINAL APPROACH 56mph

FUEL BURN 5.3 gal/hr @ 5,000 RPM

Before Engine Start

Before Engine Start	
Fuel Quantity	Check
Chocks/Pitot Cover	Removed
Cockpit Preparations Keys – POH- Documents – Armrest down	Complete
Door + Latches 1, 2, 3, 4	Closed & Locked
Parking Brake	Set
Seat Belts & Shoulder Harness	On
Fuel Selector	On
Master (Turn to On)	On
Instrument Switch (EFIS/EMS)	On
Radio	Off
Fuel Pump	On
Nav/Strobes	On
Mag 1, Mag 2	On
Throttle cracked 1/8	Check
Choke	On
Hold Brakes	On
Call "Clear".	Clear
Engine Start	Start
Throttle set to 2500 RPM	Check
Check Oil Pressure in Green	Check
Fuel Pump	Off
Charge Switch On	On
Check Volts 13.6v or Higher	Check
Choke off running smooth	Off

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After Engine Start

Transponder Standby	Set
Radio	Set
ATIS/AWOS	Copy
Altimeter	Set
Brakes	Test
Rudder, check when moving	Check

Before Takeoff / Run Up

Face into Wind	Check
Parking Brakes or Hold	Set
Trim, verify neutral	Check
Pilot Brief Positive Exchange of Controls Emergency Plan	Complete
Control Box Check	Check
Fuel Pump	On
Oil pressure	Check
Oil Temp minimum 120F	Check
Engine – 4000 RPM	Set
Mag 1 Check Off Drop 0/200 150 Difference	Off
Mag 1 On	ON
Mag 2 Check Off Drop 0/200 150 Difference	Off
Mag 2 On	On
Engine Idle	Idle
Engine Instruments	No Alerts
Circuit Breakers - All In	Check
Altimeter Set	Check
Flaps 17 degrees	Set
Seatbelts	Check
Lights – as needed	Set
Transponder	Check
Doors verify latched	Check

BushCat CHECKLIST

Takeoff	
Align Aircraft with runway center	Check
Verify Correct Runway with Compass	Check
Power Full Min: 5200 RPM Max RPM 5 Minutes	Check
Start Rotate at 50 MPH	Check
Lift Off at 55 MPH (Vx)	Check
Best rate of climb Vy = 67 MPH	Check
Flaps – Retract at 200' AGL	Retract
Aux. Fuel pump	Off
Descent	
Throttle – reduce as desired	Check
Engine Instruments	Check
Before Landing	
Seat Belts Fastened	Check
Aux. Fuel Pump	On
Engine Instruments	Check

Normal Landing – On Base Leg	
Airspeed – 65-75 MPH	Check
Flap - 17°	Set
Trim – as required	Set
Normal Landing - Final Leg	
Airspeed – 56 MPH	Check
Flaps – Full	Set
Touchdown	
At about 30 feet, reduce engine speed to idle. At a height of 2- 4 feet above the runway, allow the airspeed to decrease by gradually pulling the control stick rearward. The aircraft should touch down at its configured stall speed.	
Shut Down Procedure	
Engine Idle	Set
Fuel Pump	Off
Flaps Up	Up
Lights	Off
Radio	Off
Hobbs Time	Record
Instruments	Off
Charge Switch	Off
Magneto Switch 1	Off
Magneto Switch 2	Off
Master Ignition Key	Off
Fuel Selector	Off