

## Katana DA20-C1 Checklist

### Before Start

Pedals \* Set  
Belts & Harnesses \* Secured  
Canopy \* Locked Simultaneously  
100 Hr. Inspection \* Current  
Passenger Briefing/Other \* Performed

### Pre-Engine Start

Alternate Air \* Check then Off  
Throttle \* Idle  
Mixture \* Full Rich  
Friction Device \* Adjust/Light  
Parking Brake Set with pressure/Hold  
Fuel Shutoff Valve \* On  
Flaps \* Up  
Gen-Bat Switch/Key On/In  
Position Lights \* On  
Gen/Can/Start/EPU W/Lts \* Press to Test

### Engine Start

Propeller Area Clear/Announce  
Fuel Pump (Low) \* On & Check for Sound  
Fuel Prime (High) \* On & Check for Sound  
Throttle \* Warm Open 0-2 Seconds  
\* Cold Open 3-14 Seconds  
Throttle ½ - 1 Inch  
Ignition Start w/o Delay (10 Seconds Max/x 3)

### Memory Items After Start

Throttle \* 800 to 1000 RPM  
Fuel Prime Off  
Starter Warning Light Off  
Oil Pressure \* 10 PSI (30 seconds)  
Gauges Check

### Pre-Taxi

Avionics Master On  
Radio \* Set & Check after 1 Min/ATIS Check  
Parking Brake Release with Pressure  
Mixture \* Rich at Idle or Low RPM  
Area L/R Check Clear  
Brakes/Pilot-Co-Pilot Side \* Check/Clearance

### Run-up

Parking Brake Set with Pressure/Hold  
Mixture \* Full Rich  
Throttle 1700 RPM  
Vacuum Gauge \* Check 4.5/5.5  
Magnetos \* Check (25-150 RPM/50 RPM Differential)  
Ammeter \* Check  
Fuel Pressure Check/Out of the Red  
Mixture \* Check  
Throttle \* Idle

### Before Takeoff (Run-up Continued)

Controls Free & Correct  
Sliding Window \* Closed  
Flight Instruments \* Set  
Parking Brake Release w/Pressure Get-Clearance

### Final Items (Hold Short Line)

Strobes \* On  
Landing/Taxi Lights \* On  
Position Lights \* On  
Flaps T/O  
Transponder \* ALT  
Engine Gauges/ Circuit Brks. Check/Touch  
Mixture \*\* Full Rich  
Trim Neutral

### After Take-off - \* 500 Feet

Landing/Taxi Light \* As Required  
Fuel Pump \* On in the T/P off @ 1000 Feet  
Flaps Up  
Engine Gauges/Fuel Pressure Check  
Cruise Vy \* 75 KIAS

### Cruise

Fuel Pump \* Off  
Flaps/Lights \* Cruise  
Throttle As Required  
Mixture \*\* Set  
Trim As Required  
Engine Gauges Check

### Pre-Landing

Belts & Harnesses Secured  
Alternate Air As Required  
Throttle As Required for 80-100 KIAS  
Mixture \*\* Full Rich  
Fuel Shut-off Valve Open  
Fuel Pump \* On/Check Fuel for Go/Arnd  
Landing Light As Required

### Landing Descent

Throttle As Needed  
Airspeed Pitch for 70 KIAS  
Flaps T/O  
Flaps (After Landing Assured) LND  
Final Landing Check \* A/F/F/M/LaC

### After Landing

Radio Announce Clear/Clearing  
Strobe Lights Off  
Landing/Taxi Lights Off  
Position Lights \* On (Day)  
Flaps Up  
Transponder SBY

### Shut Down

Throttle \* 1000 RPM  
Avionics Master Off  
Fuel Pump Off  
Mixture Idle Cut-Off  
Lights Off  
Ignition Off & Out  
Gen/Bat Switch Off  
Post Flight Inspection Complete

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### Airspeeds (KIAS)

VSO 34 VAPPROACH \* 60  
VS1 40 VFE \* 100/78  
Vs 42 VA 106  
VROTATE \* 44 VNO 118  
VX \* 60 VNE 164  
VY (T/O Flaps) 68 VGLIDE 73  
VY (Cruise Flaps) 75 Best Glide Ratio 11:1  
GW 1770lbs - Ramp GW - 1764lbs

### Local Radio Frequencies

ATIS 135.175  
Ground 119.400  
Tower/CTAF \* 125.300  
Cedar City FSS 122.250  
SLC A/D (G) 118.850 (Alt) 124.300  
Eagle Base 123.500  
Spanish Fork 122.900

### Aircraft Inspection

#### Cockpit

100 Hour Inspection \* Current  
Avionics Master Off  
Ignition Key \* In/Try 1 Click/Out  
Controls Free & Correct  
Throttle Idle  
Mixture Idle Cut-off  
Cabin Heat \* Free  
Parking Brake Free  
Circuit Breakers Touch/In

Gen/BAT Master On  
Lights \* Check then Off  
Flaps/F/D Check  
Trim \* Neutral  
Voltmeter Fuel Quantity Check  
GEN/BAT Master Off

Documents/Manuals Present & Checked  
ELT Auto  
Fire Extinguisher \* Secure & Charged  
Rescue Hammer \* Check  
Baggage Secure  
Structural Temp Indicator \* Red  
FOD Check \* Completed  
Canopy \* Check

#### Left Main Gear

Strut & Brake Line \* Check  
Wheel & Brake \* Check  
Tire & Tire Pressure (33 psi) Check

### Left Wing

Entire Wing Check & Clear  
Stall Warning Port \* Check  
Pitot Tube \* Check  
Tie Down Remove  
Taxi & Landing Lights \* Check  
Wingtip Lights \* Check  
Aileron & Balance Weight \* Check  
Flaps \* Check

### Fuselage

Fuel Quantity \* Dip To Verify  
Tank Vent Clear  
Fuel Drains \* Drain  
Maintenance Drains \* No Leaks  
Antennas \* Check  
Skin Check

### Empennage

Vertical Stabilizer \* Check  
Horizontal Stabilizer \* Check  
Elevator \* Check  
Rudder & Trim Tab \* Check  
Tail Skid Plate \* Check  
Tie Down Remove

### Right Wing

Tie Down Remove  
Entire Wing Check  
Flaps Check  
Aileron & Balance Weight Check  
Wingtip & Lights Check

### Right Main Gear

Wheel & Brake Strut Line Check  
Tire & Pressure (33) PSI Check

### Notes

Air Intakes \* Clear  
Oil \* Check (6 qt Max 4 1/2 qt Min)  
Cowling \* Check  
Winterization \* (Install below 23 Remove above 54)  
Spinner/Propeller \* Check 10" Clearance  
Tire & Tire Pressure (26 psi) \* Check  
Exhaust \* Check

Walk-Around Inspection \* Complete