

CHECKLIST

DV20 Katana

What to do in case of a serious incident / accident

- Leave the aircraft (make sure master switch, fuel and magneto's is off)
- Help injured people, if able and possible
- Call as soon as possible Wings over Holland.
- Never leave the aircraft unguarded behind / coordinate when possible with emergency services.
- Do not communicate via VHF, unless mobile phone (network) is unavailable
- Do not speak with the press, but refer to the crisis team
- Do not give any information regarding the circumstances to anyone, but refer to the crisis team
- Do not communicate via SMS, email or on Twitter, Facebook etc.

Wings over Holland
+31(0)320-288260

Outside Office hours:
+ 31-(0) 6-51556098 (Luuk van Hooijdonk)

- When unable to reach Wings over Holland ILT should be notified as soon as possible by the Pilot in Command that a precautionary/emergency landing has occurred.

ILenT
+31(0)88-4890000

- NEVER take-off with the airplane again without explicit permission from Wings over Holland.

Pe-flight inspection

See aircraft flight manual (AFM)

Before Starting (Not in front of open Hangar!)

- Walk around - Completed
- Start-up clearance - Received / Not applicable
- Avionic master - Off
- Rudder controls - Adjusted
- Seat belts - Fastened
- Brakes - Set
- Canopy - Closed and locked (3x)

Start Up

- Battery switch - On
- Fuel pressure light - On
- Fuel (booster) pump - On
- Fuel pressure light - Off
- ACL lights - On
- Low voltage light - Checked
- Carburetor heat - Off
- Propeller - High rpm
- Cabin heat - Off
- Outside - Clear

Cold Start		Warm Start	
Throttle	- Closed	Throttle	- 1 cm
Choke	- On	Choke	- Off

- Magnetos - Start then both
- Throttle - 1000 rpm
- Oil pressure (in 10-30 sec) - Checked
- Choke - Off
- Fuel (booster) pump - Off
- Warning lights - Off
- All flight instruments - Checked
- Flaps - Checked and up
- Avionics switch - On
- Transponder - Standby
- Time (block) - Noted
- Tachometer - Noted
- Brakes - Off

During Taxi

- Brakes - Checked
- Gyros & compass - Checked

Run Up

- Brakes - Set
- Throttle - 1000 rpm
- Engine instruments - Checked
- Outside - Clear
- Throttle - 1700 rpm
- Friction - Set
- Magnetos - Checked
- Carburetor heat - Checked
- Propeller (3x) - Checked
- Pressures - Checked
- Temperatures - Checked
- Ampere meter - Checked
- Throttle - Idle
- Rpm - Checked (≤ 700 rpm)
- Throttle - 1000 rpm

Before Take-off

- Canopy - Closed and locked (3x)
- Seat belts - Fastened
- Controls - Free and easy
- Fuel (booster) pump - On
- Magnetos - Both
- Carburetor - Check for ice then off
- Fuel selector - On
- Flaps - Set
- Choke - Off
- Propeller - High rpm
- Trim - Set
- All instruments - Checked
- Transponder - ALT
- Brakes - Off



Checklist DV-20

Version 04 dd 01/11/2023

Runway items

Runway heading - Checked
Wind direction - Checked
Landing light - On

After 200ft AGL

Flaps - Up
IAS - 70 kts

After 500ft AGL

Propeller - 2400 rpm
Throttle - Checked (full power)
Engine instruments - Checked

Cruise checks

Throttle - Cruise setting
Fuel (booster) pump - Off (check warning lights)

Downwind checks

Fuel (booster) pump - On
Landing light - ON
Magnetos - Both
Carburetor heat - On
Fuel selector - On
Engine instruments & fuel - Checked
Brakes - Checked
Seat Belts - Fastened
Propeller - 2400 rpm
Throttle - 24 inch
Speed - 80 kts

Base Leg Checks

Throttle - Reduce
Flaps - Set (T/O)
Speed - 70 kts

Final Checks

Throttle - Reduce
Flaps - Set (Landing)
Propeller - High rpm
Speed - 60 kts

After Landing Checks (after Runway vacated)

- Fuel (booster) pump - Off
- Landing light - Off
- Flaps - Up
- Carburetor heat - Off
- Transponder - Standby

After Parking Checks

- Brakes - Set
- Throttle - Idle
- Avionics switch - Off
- Magnetos - Off, key removed
- Battery switch - Off
- Time (block) - Noted
- Tachometer - Noted
- All electrical switches - Checked Off

Limitations

Maneuvering speed V_A 104 kts
 Max. flap extended speed V_{FE} 81 kts
 Max. structural cruising speed V_{NO} 116 kts
 Never exceed speed V_{NE} 157 kts
 Maximum demonstrated crosswind 15 kts

Maximum take-off rpm (3min) 2550 rpm
 Maximum continuous rpm 2420 rpm

Maximum take-off weight 730 kg
 Maximum landing weight 730 kg
 Maximum baggage weight 20 kg
 Maximum seat weight left 110 kg
 Maximum seat weight right 110 kg

Approved manoeuvres Normal flight manoeuvres
 Stalls (slow entry)
 Lazy eights 116 kts
 Chandelles 116 kts
 Steep turns max 60° bank
Note: spins are NOT approved

Maximum Load Factors			
Flaps Up		Flaps Extended	
Positive	- 4.4G	Positive	- 2.2G
Negative	- 2.2G	Negative	- 0 G

Total fuel quantity 79 liter
 Usable fuel quantity 77 liter

Fuel grades MOGAS minimum 95 octane leaded or unleaded
 AVGAS UL91
 AVGAS 100LL

USE KATANA OIL DON'T USE AIRCRAFT OIL