

## Checklist DA20 C1 **OK - Papa Papa Lima**

### PREFLIGHT INSPECTION:

Preflight Inspection ..... DONE  
OIL 5 quartz - (4-6), FUEL - (1/2)

### IN CABIN:

Rudder pedals, Flight controls..... SET, CHECK  
SAFETY BELTS ..... FASTENED and ADJUSTED  
CANOPY ..... CLOSED, LOCK  
CIRCUIT BREAKERS ..... CHECK

### BEFORE ENGINE START:

THROTTLE ..... FULL  
MIXTURE ..... FULL RICH  
PARKING BRAKE ..... SET (HOLD TOE BRAKES)  
FUEL ..... OPEN  
BAT. MASTER SWITCH ..... ON  
FUEL PUMP ..... ON  
IGNITION SWITCH ..... INSERT KEY, SET BOTH (M1+2)  
STROBE ..... ON  
EL. IGNITION (EIS) ..... ON  
PROPELLER AREA ..... YELL "CLEAR"  
FUEL PRIME ..... ON \_ 15/5 sec. (COLD / HOT)  
THROTTLE ..... 0,5 - 1 INCH FORWARD

### ENGINE START:

IGNITION SWITCH START ..... IN 15 / 5 sec. of PRIME  
THROTTLE ..... SET 1.000 +/-25 RPM  
FUEL PRIME ..... OFF  
GENERATOR ..... ON  
AVIONICS MASTER ..... ON

### AFTER START UP:

GPS ..... 2x ENTER  
TRANSPONDER ..... GND / STBY, FNC set TIME  
AVIONICS ..... AMMETER, VOLTS, FUEL, ...  
FLAPS ..... SET - T/O - LDG - **CRUISE**

### IN-FLIGHT CHECK:

**F E R D A** check ( **F**uel - **E**ngine - **R**adio - **D**irection - **A**ltitude)

### DOWNWIND:

THROTTLE ..... 2.000 RPM  
MIXTURE ..... **FULL RICH**  
PARKING BRAKE ..... OFF  
GEN/BAT ..... ON / ON - CHECK  
FUEL PUMP ..... ON  
IGNITION ..... BOTH - CHECK  
TAXI Light ..... ON  
BRAKE ..... CHECK PEDALS  
SAFETY BELTS ..... FASTENED and ADJUSTED  
CLEAR OF BASELEG AIRSPACE ..... CHECK OF CLEAR OF AIRSPACE  
FLAPS ..... T/O max. 100 KNOTS (80 - 90)

### BASELEG:

AIRSPEED ..... 70 KNOTS (1500 - 1700 RPM)  
FLAPS ..... LDG max. 78 KNOTS  
AIRSPEED ..... 65 KNOTS  
CLEAR OF 4 TURN AND FINAL ..... CHECK OF CLEAR OF AIRSPACE

### FINAL:

AIRSPEED ..... 65 KNOTS (55 before T. DOWN)  
FLAPS ..... LDG - CHECK

### AFTER VACATE RWY:

FLAPS ..... CRUISE ( CLOSED )  
TAXI Light ..... OFF  
TRANSPONDER ..... GND / STBY  
FLIGHT TIME ..... NOTE

**ENGINE SHUTDOWN & PARKING**

THROTTLE .....	IDLE
PARKING BRAKE .....	SET + ON
FUEL PUMP .....	OFF
AVIONICS MASTER .....	OFF
GENERATOR .....	OFF
MIXTURE .....	CUT OFF
EL. IGNITION (EIS) .....	OFF
STROBE Light .....	OFF
BAT. MASTER SWITCH .....	OFF
IGNITION SWITCH .....	OFF, HANG THE KEYS TO GYRO!

**Katana DA20-C1                      Airspeeds for Safe Operation**

<b>Takeoff – Flaps Takeoff</b>	
Rotation .....	44 KIAS
Short Field, Flaps Up, Clear 50 feet .....	52 KIAS
<b>Enroute Climb – Flaps Cruise</b>	
Normal Climbout .....	70-80 KIAS
Best Rate of Climb .....	70 KIAS
Best Angle of Climb .....	60 KIAS
<b>Landing Approach</b>	
Downwind – Flaps CRUISE .....	70 KIAS
Base – Flaps T/O .....	60 KIAS
Final – Flaps LDG .....	55 KIAS
<b>Balked Landing</b>	
Maximum Power – Flaps T/O .....	58 KIAS
Maximum Power – Flaps LDG .....	53 KIAS
<b>Maximum Speed in Turbulent Conditions</b>	
1720 lbs. ....	106 KIAS
<b>Best Glide</b>	
Flaps CRUISE .....	70 KIAS
Flaps T/O .....	60 KIAS
Flaps LDG .....	53 KIAS
<b>Maximum Demonstrated Crosswind Velocity .....</b>	<b>15 Knots</b>



**BEFORE TAXI**

TAXI Light .....	UNDER CONVENIENT COND.
PARKING BRAKE .....	OFF
BRAKES right / left .....	CHECK BRAKES

**AT HOLDING POINT**

**ENGINE CHECK** - temps: 250 / 100°F - head / oil, SET 1.700 RPM.  
*Drop 50-150, DIFF. DROP 50, SET 975 RPM, (check ALTERNATE AIR)*

CANOPY .....	CLOSED, LOCK
SAFETY BELTS .....	FASTENED and ADJUSTED
MIXTURE .....	<b>FULL RICH</b>
FUEL .....	OPEN, QUANTITY, PRESSURE
FLAPS .....	T/O
BAT / GEN .....	ON / ON
FUEL PUMP .....	ON
IGNITION .....	BOTH
TAXI Light .....	ON
AVIONICS GAUGES .....	Gyro - TRK, QNH
TRIM .....	NEUTRAL
ENGINE GAUGES .....	150/250°F - OIL / HEAD, CHECK
COM / NAV .....	SET / CHECK
TRANSPONDER .....	ALT, FUNC - SET START
PARKING BRAKE .....	OFF

**TAKEOFF:**

TAKEOFF TIME .....	NOTE
TRIM .....	NEUTRAL
THROTTLE .....	FULL
ROTATE .....	AT <b>44</b> KNOTS

**CLIMB:**

THROTTLE .....	MAX. CONT., WHEELS BRAKE
AIRSPEED .....	70-80 KNOTS
400ft GROUND .....	FLAPS SET - <b>CRUISE</b>
TAXI Light .....	<b>OFF</b>
1.000ft GROUND .....	2.100 RPM - CIRCUIT / HORIZONT
.....	2.300 RPM - LEVEL. FLIGHT
FUEL PUMP .....	OFF