

NORMAL PROCEDURES			KATANA DA-20					
Cockpit Check			Fuel pump OFF	Post-takeoff				
Documents VALID			Flaps DOWN & UP	Propeller to 2400 RPM				
Control locks REMOVED			Instruments CHECK	Flaps RETRACTED				
Magnetos OFF			Transponder STBY 1200	Fuel pump OFF				
Master switch ON			Avionics CHECK & SET	Landing light OFF				
Fuel quantity OK			ATIS:	Engine gauges GREEN				
Lights CHECK				Enroute				
Master switch OFF				Advise ATC enroute				
Cables & linkages OK			Parking brake RELEASED	Throttle, prop, trim for cruise				
Fire extinguisher CHARGED			Brakes TEST	Check for carb ice				
First aid kit PRESENT			Run-up:	Set heading indicator				
Fuel stick CORRECT			Taxi to run-up area	Check engine instruments				
Pre-start			Parking brake SET	Enroute frequency				
Passenger briefing:			Circuit breakers IN	Provide position reports				
-- no smoking or food			Fuel light TEST & UNLIT	Approach				
-- hands & feet off controls			Throttle to 1800 RPM	ATIS:				
-- seatbelts, canopy, windows			Engine gauges GREEN					
-- fire extinguisher			Alternator load check:					
-- first aid kit & ELT			-- fuel pump and strobes	Tower frequency				
Hobbs Time:			Prop CYCLE 3X to 1550 RPM	Approach clearance:				
			Magneto check:					
Pedals ADJUSTED & LOCKED			-- max 150↓ and max 50Δ	Downwind				
Canopy SECURE (both sides)			Throttle to 1500 RPM	Fuel pump ON				
Seatbelts FASTENED			Carb air HOT	Landing light AS REQUIRED				
Controls FREE & CORRECT			Throttle to 1000 RPM	Master switch ON				
Fuel valve OPEN			Carb air COLD	Magnetos on BOTH				
Altimeter SET (field elevation)			Ready to Taxi	Carb air HOT				
Carb air COLD			Ground frequency	Fuel quantity OK				
Propeller FORWARD			Obtain taxi clearance	Engine gauges GREEN				
Throttle friction OK			Parking brake RELEASED	Fuel valve OPEN				
Avionics switch OFF			Rolling instrument check	Brake pressure OK				
Master switch ON			Pre-takeoff	Seatbelts, canopy & windows				
Generator light LIT			Seatbelts, canopy & windows	Obtain landing clearance				
Fuel pressure light LIT			Fuel pump ON	Post-landing				
Canopy light TEST & UNLIT			Master switch ON	Carb air COLD				
Position lights ON (night)			Magnetos on BOTH	Flaps RETRACTED				
Engine Start			Fuel quantity OK	Fuel pump OFF				
Fuel pump ON (audible)			Engine gauges GREEN	Unnecessary lights OFF				
Fuel light TEST & UNLIT			Fuel valve ON	Transponder STBY 1200				
Parking brake SET			Flaps to TAKEOFF	Arrival time:				
Brakes APPLIED			Carb air COLD					
Area clear CHECK & CALL			Propeller FORWARD	Ground frequency & clearance				
Cold start:			Trim to NEUTRAL	Flight plan CLOSED				
-- Throttle CLOSED			Attitude & heading gyros SET	Shutdown				
-- Choke PULL & HOLD			Controls FREE & CORRECT	Radio CHECK 121.5				
-- Engage starter			Lights AS REQUIRED	Avionics switch OFF				
-- Release choke slowly			Holding Short	Throttle to 1000 RPM				
Warm start:			Tower frequency	Magnetos OFF, Key OUT				
-- Throttle OPEN 1/16"			Transponder on ALT	Master & other switches OFF				
-- Engage starter			Approach area CLEAR	Hobbs time:				
Throttle to 1000 RPM (no less)			Obtain takeoff clearance					
After Start			Flight plan OPENED					
Engine gauges GREEN			Departure time:	Control locks AS REQUIRED				
Avionics switch ON				Flight plan CLOSED?				
V SPEEDS - KIAS								
V_{so}	V_s	V_x	V_y	V_{Glide}	V_{FE}	V_A	V_{NO}	V_{NE}
37	41	57	65	72	81	104	118	161