

CHECKLIST

SUPER DECATHLON

8KCAB

BEFORE ENGINE START	
1 Preflight Inspection	COMPLETE
2 Cabin Door	CLOSED
3 Seat belts	FASTENED
4 Fuel Shut-off Valve	OPEN
5 Park Brake	SET
6 Propeller Control	MAX RPM
7 Alternate Air	COLD
8 Electrical & Radio Switches	OFF

ENGINE START	
1 Master Switch	ON
2 Magnetos left and right	ON
3 Mixture	FULL RICH
4 Throttle	FULL OPEN
5 Emergency Fuel Pump	
if Engine cold	5 sec ON then OFF
if Engine warm	1 sec ON then OFF
6 Mixture	IDLE CUT OFF
7 Throttle	1cm OPEN
8 Propeller Area	CLEAR
9 Starter	ENGAGE
10 Mixture (when Engine starts)	FULL RICH
11 Throttle	1000rpm SET
12 Oil Pressure	CHECK

AFTER ENGINE START	
1 Avionic Master	ON /ATIS
2 Electrical & Radio Switches	AS REQUIRED
3 GPS	SET
4 Altimeter	SET

TAXI CHECK	
1 Brakes	CHECKED
2 Turn Coordinator / Altimeter	CHECKED

RUN UP	
1 Parking Brake	SET
2 Engine Instruments	CHECK
3 Throttle	1800rpm
4 Engine Instruments	GREEN ARC
5 Magnetos	DROP 175 / 50
6 Propeller	CHECK
7 Mixture	CHECKED
8 Alternate Air	CHECKED
9 Throttle	IDLE 500/700 RPM

CHECK BEFORE DEPARTURE	
1 Flight Controls	FREE AND EASY
2 Trim	SET to T/O
3 Fuel Quantity	CHECK
4 Magnetos	BOTH ON
5 Flight Instr. / Avionics	CHECK / SET
6 Accelerometer	RESET 1g
7 Seatbelts	FASTENED
8 Departure Briefing	COMPLETED

LINE UP	
1 Approach Sector	FREE
2 Wind	CHECK
3 Runway Heading	IDENTIFY
4 Cabine Door	CLOSED
5 Window	CLOSED
6 Landing Light	ON
7 Strobe and Nav Light	as required
8 Transponder	CHECK ALT
9 Time	NOTED

CLIMB CHECK	
1 Throttle	25' MAP
2 Propeller	2500 RPM
3 Landing Light	AS REQUIRED

CRUISE CHECK	
1 Altimeter	SET
2 Cruise Power	SET
3 Mixture	SET
4 Engine Instruments	CHECK
5 Fuel	CHECK

DESCENT	
1 ATIS	RECEIVED
2 Approach Briefing	COMPLETED
3 Seat belts	FASTENED
4 Flight Instruments / Avionics	SET

CHECK FOR APPROACH	
1 Altimeter	SET
2 Landing Light	AS REQUIRED
3 Fuel Quantity	CHECKED
4 Mixture	RICH

FINAL CHECK	
1 Propeller	max RPM SET
2 Mixture	RICH
3 Brakes	RELEASED

AFTER LANDING	
1 Time	CHECKED
2 Strobe, Landing Light	OFF
3 Transponder	STANDBY

PARKING	
1 Parking Brake	SET
2 Throttle	1000 RPM
3 Avionics	121.50 / OFF
4 Electrical Consumers	OFF
5 Mixture	IDLE CUT OFF
6 Magnetos	OFF
7 Master Switch	OFF
8 Flight report	NOTE

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EMERGENCY PROCEDURES	
ENGINE FIRE DURING START	
1 Starter	CRANK ENGINE
2 Mixture	CUT OFF
3 Throttle	FORWARD
4 Fuel Shut-Off Valve	OFF

ENGINE FIRE IN FLIGHT	
1 Mixture	CUT OFF
2 Fuel Shut-Off Valve	OFF
3 Electrical & Magnetos Switches	OFF
4 Cabine Heat	OFF (front & rear)

Proceed with forced landing

ELECTRICAL FIRE	
1 Electrical Switches	OFF
2 Air Vents / Windows	OPEN if necessary

Land as soon as possible

POWER LOSS IN FLIGHT	
1 Maintain Airspeed	80 MPH
2 Electrical Fuel Pump	ON
3 Alternate Air	FULL HOT
4 Mixture	AS REQUIRED
5 Fuel Shut-Off Valve	CHECK ON
6 Magnetos Switches	BOTH ON
7 Propeller Control	FULL INCREASE

If power is not restored --> POWER OFF LANDING

POWER OFF LANDING	
1 Maintain Airspeed	75 MPH (min. 70)
2 Mixture	IDLE CUT OFF
3 Fuel Shut-Off Valve	OFF
4 Master Switch	OFF
5 Seatbelts	TIGHT
6 Touchdown	3 Point LANDING

If ditching in necessary --> Jettison cabin door

AIRPLANE DATAS	
GENERAL	
Aircraft Empty Weight	1355 lbs (615 kg)
MTOW Normal Category	1950 lbs (886 kg)
MTOW Acrobatic Category	1800 lbs (818 kg)

FUEL / OIL	
max. Fuel Quantity	2 x 20 Gal
--> For aerobatic max. 2 x 10 Gal	
Fuel consumption @ 7500ft	
75% Power --> 2400 rpm, 23 In/Hg	10 GPH
	38 l / h
Oil quantity	6 qts

SPEED	
Lift-Off	55 - 60 mph
Vx	65 mph
Vy	82 mph
V best glide	70 mph
V final	65 mph
Va normal cat	107 mph
Va aerobatics cat	132 mph
Max crosswind	17 kts (20mph)