

**BEFORE STARTING ENGINE**

1 Preflight Inspection	Complete
2 Passenger Briefing	Complete
3 Parachute	Adjust/Lock
4 Shoulder Harness	Adjust/Lock
5 Canopy	Close/Lock
6 Brakes	Check
7 Avionics Power Switch	Off
8 Electrical Equipment	Off
9 Battery Switch	On
10 Alternator	On
11 Strobe Lights	On
12 Position Lights	On

**STARTING ENGINE**

1 Propeller Control	High RPM
2 Throttle	2 cm open
3 Mixture	Full rich
4.1 Cold Engine Boost	5 sec Rich
4.2 Warm Engine Boost	1 sec Rich
5 Boost Pump	Off
6 Mixture	Idle cut-off
7 Prop Area	Clear
8 Brakes	Apply
9 Starter	Engage
10 When Engine fires	Key release
11 When Engine runs	Mixture Rich

**AFTER ENGINE START**

1 Oil Pressure	Green
2 Avionic Switch	On
3 Electrical Equipment	On
4 Radio	Set/Test
5 Altimeter	QNH/QFE
6 Transponder	STBY 7000
7 Flight Timer	Check
8 Accelerometer	Choose/Set
9 Fuel Quantity	Adjust

**TAXI CHECK**

1 Brakes	Check
2 Turning Instruments	Check
3 Flight Instruments	Set/Check

**ENGINE RUN UP**

1 Brakes	Apply
2 Warm up Engine	1200 RPM
3 Engine Instruments	Check
4 Throttle	1800 RPM
5 Magnetos LE/RE Drop	Max 175
6 Magnetos Difference	Max 50
7 Prop Pitch 2x	Check
8 Mixture	Check
9 Throttle Idle	Check
10 Throttle	1000 RPM

**CHECK BEFORE DEPARTURE**

1 Flight Instruments	Check
2 Engine Instruments	Check
3 Ammeter Output	Check
4 Fuel Quantity	Check
5 Fuel Selector	Center Tank
6 Mixture	Rich
7 Prop Pitch	High RPM
8 Elevator Trim	Take off
9 Flight Controls	Free/Easy
10 Departure Briefing	Completed

**LINE UP CHECK**

1 Canopy	Closed
2 Boost Pump	On
3 Landing Light	On
4 Transponder	Alt 7000
5 Approach Sector	Free
6 Runway	Check
7 Wind	Check
8 Time	Memorised

**TAKE-OFF**

1 Throttle	Max
2 Airspeed	Rising
3 Stick/Tail	Horizontal
4 Rotate	65 KIAS
5 Climb	92 KIAS

**CLIMB CHECK**

1 Throttle	25 in HG
2 Propeller	2500 RPM
3 Boost Pump	Off
4 Speed	110 KIA
5 Landing Light	On

**CRUISE CHECK**

1 Altitude	as selected
2 Throttle 65%	23 in HG
3 Propeller 65%	2300 RPM
4 Mixture	as required
5 Trim	as required
6 Fuel	check period.

**ACRO CHECK**

1 Canopy	locked
2 Harness	fastened
3 Loose Objects	fixed
4 Wing Tanks	empty
5 Fuel Selector	Center Tank
6 Boost Pump	off
7 Airspace	clear

**CHECK FOR APPROACH**

1 Altimeter	Set QNH
2 Landing Light	On
3 Boost Pump	On
4 Fuel Quantity	Check
5 Fuel Selector	Center Tank
6 Mixture	Rich

**FINAL CHECK**

1 Clearance	received
2 Approach	stable
3 Propeller	High RPM
4 Speed	82 KIAS
5 Brakes	released

**AFTER LANDING CHECK**

1 Boost Pump	Off
2 Landing Light	Off
3 Transponder	Standby
4 Time	Noted

**ENGINE SHUTDOWN**

1 Engine Run Out 1 Min	1000 RPM
2 Avionic Switch	Off
3 El. Equipment/Lights	Off
4 Mixture	Idle cut-off
5 Ignition Switch	Off
6 Battery Switch	Off

**SPEEDS ACRO II**

Vr	65 KIAS
Vx	92 KIAS
Vy	101 KIAS
Vapproach	89 KIAS
Vfinal	78 KIAS
Vbest glide	90 KIAS

**AIRCRAFT DATA**

MTOW NORMAL	950 kg
MTOW ACRO II	870 kg
MTOW ACRO I	820 kg
G-LOAD NORMAL	+6/-6 g
G-LOAD ACRO II	+8/-8 g
G-LOAD ACRO I	+10/-10 g
FUEL CENTER & ACRO	67 l
FUEL WING (2 x 60 l)	120 l