

AIRCRAFT PREPARATION..... COMPLETED (ACCORDING AFM)

PREFLIGHT CHECK

1. Outside check	COMPLETED	1
2. Aircraft papers	CHECKED	2
3. Aircraft log	CHECKED	3
4. Cabin	CHECKED	4
5. Passenger briefing	COMPLETED	5
6. Parachute handling briefing	COMPLETED	6
7. Loadsheet.....	WITHIN LIMITS	7

PREFLIGHT CHECK COMPLETED

CHECK BEFORE ENGINE START

1. Preflight inspection	COMPLETED	1
2. Seats, seatbelts, harnesses	ADJUSTED AND LOCKED	2
3. Canopy	CLOSED AND LOCKED	3
4. Brake	CHECKED	4
5. Avionics power switch	OFF	5
6. Electrical equipment	OFF	6
7. Master switch	ON	7
8. Alternator	ON	8
9. Wingtip position / Strobe lights	ON	9

CHECK BEFORE ENGINE START COMPLETED

ENGINE START

1. Propeller	SET "High RPM"	1
2. Throttle	¼ OPEN	2
3. Boost pump	ON	3
4. Mixture.....	FULL RICH until a slight but steady fuel flow (approximately 3 to 5 seconds) then	4
5. Mixture.....	IDLE CUT-OFF	5
6. Boost pump	OFF	6
7. Starter.....	ENGAGE	7
8. Mixture.....	Slowly FULL RICH.....	8
9. Throttle	1000 -1200 RPM	9
10. Oil pressure	RISE within 30"	10

ENGINE START COMPLETED

CHECK AFTER ENGINE START

1	EMS	BATTERY CHARGING	1
2	Avionics switches	ON (check ATIS)	2
3	Ventilation Heater, Defroster	AS REQUIRED	3
4	Fuel selector	SWITCH TO WING TANK	4
5	Flight instruments	SET & CHECKED	5
5	Engine instruments	CHECKED	6
7	Canopy	CLOSED	7

CHECK AFTER ENGINE START COMPLETED

TAXI CHECK

1.	Brakes & steering	CHECKED	1
2.	Flight instruments	CHECKED	2

TAXI CHECK COMPLETED

RUN UP

1	Warm up	OIL TEMPERATURE GREEN ARC	1
2	Zone behind aircraft	CLEAR	2
2	Fuel selector	SWITCH TO ACRO TANK	2
3	Throttle	SET 1800 RPM	3
4	Magnetos (L-B-R-L-B)	CHECKED (< -175RPM , Δ <50RPM)	4
5	Propeller	CHECK RPM 3x	5
6	Engine instruments	CHECKED	6
7	Throttle idle	CHECKED (700-800 RPM)	7
8	Throttle	SET 1100 RPM	8

RUN UP COMPLETED

CHECK BEFORE DEPARTURE

1	Boost pump	ON	1
2	Fuel quantity	WING & ACRO CHECKED	2
3	Fuel selector	ACRO	3
4	Ignition	BOTH	4
5	Trim	SET FOR DEPARTURE	5
6	Flight instruments & avionics	SET FOR DEPARTURE	6
7	Flight controls	FREE & CORRECT	7
8	Departure briefing	COMPLETED	8

CHECK BEFORE DEPARTURE COMPLETED

LINE UP CHECK

1	Canopy	CLOSED & LOCKED	1
2	Time.....	NOTED	2
3	Transponder	ALT	3
4	Approach sector & runway	CLEAR	4
5	Strobe lights.....	ON	5

LINE UP CHECK COMPLETED**CLIMB CHECK**

1.	Climb power.....	SET 2400 RPM	2
2.	Boost pump	OFF	3

CLIMB CHECK COMPLETED**CRUISE CHECK**

1	Altimeter	CHECKED (STD / QNH)	1
2	Cruise power	SET	2
3	Engine instruments.....	CHECKED	3
4	Fuel quantity	ENDURANCE	4
5	Fuel selector	AS REQUIRED	5

CRUISE CHECK COMPLETED**DESCENT CHECK**

1	ATIS or AD information.....	NOTED	1
2	Approach briefing	COMPLETED	2
3	Avionics	SET & CHECKED.....	3
4	Circuit breakers	ALL IN	4
5	Cabin & pax.....	SECURED	5

DESCENT CHECK COMPLETED**APPROACH CHECK**

1	Altimeter	QNH SET.....	1
2	Boost pump	ON, CHECK PRESSURE.....	2
3	Fuel quantity	ENDURANCE.....	3
4	Fuel selector	ACRO	4

APPROACH CHECK COMPLETED

LANDING CHECK

- 1 Mixture RICH 1
- 2 Propeller HIGH RPM 2

LANDING CHECK COMPLETED

AFTER LANDING CHECK

- 1 Boost pump OFF 1
- 2 Time NOTED 2

AFTER LANDING CHECK COMPLETED

ENGINE SHUT DOWN AND PARKING

- 1 Throttle 1 MINUTE AT 1000 RPM 1
- 2 121.500 CHECKED 2
- 3 Avionics OFF 3
- 4 Electrical consumers OFF 4
- 5 Throttle IDLE 5
- 6 Mixture CUT OFF 6
- 7 Master switches OFF 7
- 8 Ignition key REMOVED 8
- 9 Flight data NOTED 9
- 10 Aircraft TO BE SECURED 10

PARKING CHECK COMPLETED

SPEEDS

Speed KIAS	Acro		Normal
	1 Seat	2 Seats	
V _{ROTATE}	70	73	73
V _X	72	74	75
V _Y	84	85	86
V _{F CLIMB}	95	100	105
V _{APP}	80	85	90
V _{REF}	70	72	73
V _A	154	154	138
G _A	90	95	100
V _{best glide}	80		90
Demo. Crosswind component	15		

Wind increments on Final: for wind >= 10 kts, add 1/3 of headwind comp or full wind gust spread, whichever is higher, to V_{FINAL}