

PREFLIGHT CHECK

1. Cockpit and outside checks	COMPLETED	1
2. Aircraft papers	ON BOARD	2
3. Aircraft logbook.....	CHECKED	3
4. Tow bar.....	SECURED	4
5. Baggage	SECURED	5

PREFLIGHT CHECK COMPLETED**BEFORE ENGINE START CHECK**

1. Parking brake	SET	1
2. Seat belts.....	FASTENED	2
3. Pax briefing.....	COMPLETED	3
4. Electrical switches	ALL OFF	4
5. Circuit breakers	CHECKED IN	5
6. Control.....	FREE and CORRECT	6
7. Battery master switch	ON	7
8. Fuel.....	QUANTITY and ENDURANCE	8
9. Fuel valve	OPEN	9
10. ELT	CHECK ARMED (no red led)	10

BEFORE ENGINE CHECK COMPLETED**STARTING ENGINE CHECK**

1. Strobe	ON	1
2. Mixture.....	FULL RICH	2
3. Carburetor heater	COLD	3
4. Fuel pump.....	ON and PRESSURE CHECKED	4
5. Magneton.....	SET POSITION TO BOTH	5
6. Area	CLEAR	6
7. Throttle	INJECT DURING START	7
8. Starter.....	DEPRESSED (max 30 sec. then wait 1')	8
9. Throttle	SET 1200 RPM	9
10. Oil pressure	CHECKED RISING (green arc)	10

STARTING ENGINE CHECK COMPLETED**AFTER ENGINE START CHECK**

1. Navigation lights	ON	1
2. Fuel pump.....	OFF and PRESSURE CHECKED	2
3. Alternator	ON	3
4. Voltmeter	CHECKED	4
5. Pressure indicators	CHECKED	5
6. Suction.....	CHECKED	6
7. Annunciator lights	TESTED	7
8. Avionics master switched & FLARM	ON	8
9. Flaps.....	UP	9
10. Altimeters.....	SET and CHECKED	10
11. Avionics (COM, NAV, GPS).....	SET and CHECKED	11
12. Transponder	SET and CHECKED	12

AFTER ENGINE CHECK COMPLETED

TAXI CHECK

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|------------------------------|---------------|---|
| 1. Brakes and Steering | CHECKED | 1 |
| 2. Gyro Instruments..... | CHECKED | 2 |

TAXI CHECK COMPLETED**RUN UP CHECK**

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|-----------------------------|--|----|
| 1. Parking brake | SET | 1 |
| 2. Throttle | SET 1200 RPM | 2 |
| 3. Engine instruments..... | GREEN ARC | 3 |
| 4. Rear and propeller area. | CLEAR | 4 |
| 5. Throttle | SET 2000 RPM | 5 |
| 6. Magnetos..... | CHECKED (max drop 175-max diff 50) | 6 |
| 7. Carburator heater | CHECKED (drop 100)..... | 7 |
| 8. Mixture..... | CHECKED (EGT and RPM)..... | 8 |
| 9. Engine instruments..... | CHECKED | 9 |
| 10. Voltmeter | CHECKED | 10 |
| 11. Suction | CHECKED | 11 |
| 12. Annunciator lights..... | CHECKED | 12 |
| 13. Throttle idle..... | CHECKED (600-650 rpm)..... | 13 |
| 14. Throttle | SET 1200 RPM | 14 |

RUN UP CHECK COMPLETED**BEFORE TAKE-OFF CHECK**

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|--|---|----|
| 1. Magnetos..... | L+R (BOTH)..... | 1 |
| 2. Fuel | QUANTITY and ENDURANCE | 2 |
| 3. Fuel pump | ON and PRESSURE CHECKED | 3 |
| 4. Fuel valve | OPEN..... | 4 |
| 5. Mixture..... | RICH or AS REQUIRED | 5 |
| 6. Carburator heater | COLD | 6 |
| 7. Engine instruments..... | CHECKED | 7 |
| 8. Flight instruments and avionics | SET and CHECKED | 8 |
| 9. Trim | SET FOR TAKE-OFF..... | 9 |
| 10. Flaps..... | FULL THEN UP 1 ST NOTCH..... | 10 |
| 11. Seats | ADJUSTED and LOCKED | 11 |
| 12. Seats belts..... | FASTENED..... | 12 |
| 13. Control..... | FREE and CORECT | 13 |
| 14. Departure briefing..... | COMPLETED..... | 14 |

BEFORE TAKE-OFF CHECK COMPLETED**LINE UP CHECK**

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|---------------------------------|-------------------------------|---|
| 1. Landing and Taxi lights..... | ON | 1 |
| 2. Approach sectors | FREE | 2 |
| 3. Runway | IDENTIFIED | 3 |
| 4. Canopy | CLOSED and LOCKED | 4 |
| 5. Power | SET FULL (min 2200 RPM) | 5 |
| 6. Engine instruments..... | CHECKED | 6 |
| 7. Annunciator lights..... | CHECKED | 7 |

LINE UP CHECK COMPLETED

CLIMB CHECK

1. Flaps UP 1
2. Fuel pump OFF and PRESSURE CHECKED 2
3. Transponder CHECK MODE "ALT" 3
4. Power CHECK FULL POWER (lean for climb > 5000ft). 4

CLIMB CHECK COMPLETED**CRUISE CHECK**

1. Altimeter SET and CHECKED 1
2. Directional gyro SET and CHECKED 2
3. Engine instruments CHECKED 3
4. Fuel QUANTITY and ENDURANCE 4
5. Power SET 2500 RPM or AS REQUIRED 5
6. Mixture SET (EGT Peak -50F) 6

CRUISE CHECK COMPLETED**DESCENT CHECK**

1. ATIS RECEIVED (if applicable) 1
2. Altimeter SET and CHECKED 2
3. Briefing for approach COMPLETED 3
4. Circuit breakers CHECKED 4
5. Directional gyro SET and CHECKED 5
6. Elements for heating AS REQUIRED 6
7. Flight instruments and Avionics CHECKED and SET 7
8. Fasten seats belts SET 8

DESCENT CHECK COMPLETED**APPROACH CHECK**

1. Landing and Taxi lights Check ON 1
2. Altimeter SET and CHECKED 2
3. Fuel QUANTITY and ENDURANCE 3
4. Fuel pump ON and PRESSURE CHECKED 4
5. Carburator heater AS REQUIRED 5
6. Mixture FULL RICH or AS REQUIRED 6
7. Flaps 1st NOTCH or AS REQUIRED 7

APPROACH CHECK COMPLETED**FINAL CHECK**

1. Flaps FULL DOWN (extend below 150 km/h) 1
2. Mixture FULL RICH 2
3. Carburator heater COLD 3

FINAL CHECK COMPLETED

AFTER LANDING CHECK

1. Flaps..... UP 1
2. Fuel pump OFF 2
3. Transponder CHECK MODE "STBY" 3
4. Lights..... AS REQUIRED 4

AFTER LANDING CHECK COMPLETED**ENGINE SHUT DOWN CHECK**

1. Parking brakes SET 1
2. Throttle SET 1200 RPM 2
3. Avionics master switch & FLARM OFF 3
4. ELT CHECK NO RED LED 4
5. Throttle IDLE 5
6. Magnetos OFF then BOTH 6
7. Throttle SET 1000 RPM 7
8. Mixture CUT OFF 8
9. Magnetos OFF 9
10. Alternator OFF 10
11. Battery master switch OFF 11
12. Lights OFF 12
13. Throttle IDLE 13
14. Flaps DOWN 14
15. Auxiliary tank lever CHECK PUSHED (closed or as required) 15

ENGINE SHUT DOWN CHECK COMPLETED**SPEED KIAS (MTOW)**

Vr	100 km/h	Flaps (Vfe)	170 km/h
Vx	130 km/h	Flaps full ops (Vfo)	150 km/h
Vy	150 km/h	Vref	120 km/h
Vcc	166 - (140 at ceiling alt)	Best glide	145 km/h
Va	215 km/h	Xwind	40 km/h