

## 11. Check after landing

- |                           |                     |
|---------------------------|---------------------|
| 1. Electric fuel pump     | OFF                 |
| 2. Landing + strobe light | OFF                 |
| 3. Taxi light             | ON                  |
| 4. Carburetor heat        | OFF => check        |
| 5. Transponder            | GND - 7000 => check |
| 6. Flaps                  | Up                  |

## 12. On apron - stopping engine

- |                            |                      |
|----------------------------|----------------------|
| 1. Throttle                | 1000 RPM             |
| 2. Parking brake           | ON => Taxi light OFF |
| 3. Radios Master switch    | OFF                  |
| 4. All electrical switches | OFF                  |
| 5. Mixture                 | Idle cut-off         |
| 6. Magnetos Left + Right   | OFF                  |
| 7. Alternat.+Master switch | OFF                  |
| 8. Trim                    | Neutral              |
| 9. Flaps                   | Down                 |

### NOTES

#### GO AROUND

- |                    |                              |
|--------------------|------------------------------|
| 1. Full throttle   | Power set power checked: RPM |
| 2. Attitude        | Positiv                      |
| 3. Carburetor heat | OFF                          |
| 4. Flaps           | Take-off position            |
| 5. Check           | as "After take-off" (seq. 7) |

#### Engine settings at 65% of power

FT	RPM	TAS (kt)	<b>Tour de piste : env. 2300 RPM</b>
4000	2450	114	
6000	2500	116	<b>Consumption at 65%</b>
8000	2550	119	9 USG/h - 34l/h

## Limitations

Main tank: 110L (29USG)	Usable: 109L
Auxiliary fuel tank:	50L (13.2 USG)
MTOW: 1000Kg.	Max. authorized weight: 40kg (88lb)
Best glide Speed :	78kt. (145km/h)



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HB-KFI / HB-KFD / HB-KEA

## 1. Preflight check

ROBIN

DR400 / 140 B

- |                       |                                      |
|-----------------------|--------------------------------------|
| 1. Master switch      | ON                                   |
| 2. <b>Fuel</b>        | <b>Endurance (? hours):</b> check    |
| 3. Master switch      | OFF                                  |
| 4. Magnetos           | OFF                                  |
| 5. Mixture            | Idle cut-off                         |
| 6. Flaps              | Down                                 |
| 7. Parking brake      | Set                                  |
| 8. <b>Fuel</b>        | Fuel caps: closed + 3 valves         |
| 9. Oil                | 8 Qts - min. 6 Qts.                  |
| 10. General condition | Check, pitot cover + tow bar secured |

## 2. Check before starting engine

- |                              |                                   |
|------------------------------|-----------------------------------|
| 1. Flaps                     | Up                                |
| 2. Parking brake             | Check set                         |
| 3. Radio Master switch       | OFF                               |
| 4. All electrical switches   | OFF                               |
| 5. Circuits breakers         | Check in                          |
| 6. ELT                       | Position Arm                      |
| 7. Master+Alternat. Switches | ON                                |
| 8. <b>Fuel</b>               |                                   |
| Electric fuel pump           | ON                                |
| Quantity                     | <b>Endurance (? hours):</b> check |
| Fuel selector                | OPEN                              |
| Mixture                      | Full rich                         |
| Carburetor heat              | OFF                               |

## 3. Starting engine

- |                         |                                           |
|-------------------------|-------------------------------------------|
| 1. <b>Prop clear !</b>  | Canopy closed / Feet on the brakes+BCN ON |
| 2. Magneto              | Left                                      |
| 3. Throttle             | 3 inject. if cold / 1 if warm             |
| 4. Starter switch       | ON                                        |
| 5. Magnetos             | Both (L+R)                                |
| 6. Throttle             | 1000 RPM                                  |
| 7. Oil pressure         | Green sector (20 seconds)                 |
| 8. Electric fuel pump   | OFF => Fuel pressure - check              |
| 9. Ammeter              | Positiv                                   |
| 10. Radio Master switch | ON - Radio + nav. aids: Set               |
| 11. Transponder         | ON - 7000 (Autom. => GND)                 |

## 4. Check before taxi

### On apron before taxi

- |                               |                                                      |
|-------------------------------|------------------------------------------------------|
| 1. <b>C</b> Controls          | Free                                                 |
| <b>P</b> Prop                 | -----                                                |
| <b>F</b> Fuel                 |                                                      |
| Quantity                      | <b>Endurance (? hours):</b> check                    |
| Fuel selector                 | OPEN                                                 |
| Mixture                       | Full rich                                            |
| Carburator heat               | OFF: check                                           |
| <b>T</b> Trims                | Set (neutral)                                        |
| <b>I</b> Instruments + Alarms | Set + Press-to-test                                  |
| <b>F</b> Flaps                | Check 1-2 notches (symetric)                         |
| <b>S</b> Security             | Seats: locked. + Seat belts: fasten<br>Canopy closed |
2. TAXI - CHECK
- |                             |                                              |
|-----------------------------|----------------------------------------------|
| 1. Taxi light               | ON => parking brake OFF                      |
| 2. Brakes                   | Check Left and Right                         |
| 3. Compass, Gyro<br>Horizon | Check, RT increasing LT decreasing<br>Stable |
| 4. Turn coordinator         | Tilt in turn direction, ball opposite        |

### "Run-up" position

3. ENGINE - CHECK
- |                     |                                                            |
|---------------------|------------------------------------------------------------|
| 1. Parking brake    | ON => Taxi light OFF                                       |
| 2. T°+ Oil pressure | Check                                                      |
| 3. Throttle         | 2000 RPM                                                   |
| Magnetos            | Max. drop           175 RPM<br>Max. diff.           50 RPM |
| Carburator heat     | Min. drop           100 RPM                                |
| Mixture             | Check => EGT                                               |
| Suction             | Check => Green sector                                      |
| Idle                | 500-700 RPM                                                |

## 5. Check - Before departure

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|----------------------------|--------------------------------|
| 1. Take-OFF Briefing       | Speeds, emerg. proc., outbound |
| 2. Electric fuel pump      | ON                             |
| 3. Landing + strobe lights | ON                             |
| 4. Flaps                   | 1st notch 15°                  |
| 5. Time check              | Note                           |

## 6. Line-up Check

- |                         |                              |
|-------------------------|------------------------------|
| 1. Wind, Compass - Gyro | Check                        |
| 2. Full throttle        | Power set power checked: RPM |

## 7. Check after take-off

- |                      |                                          |
|----------------------|------------------------------------------|
| 1. Full throttle     | Check                                    |
| 2. Flaps             | Retract slowly                           |
| 3. Electric pump OFF | OFF => Fuel pressure check               |
| 4. Speed             | Check                                    |
| Best angle (Vx)      | 70 kts/130km/h (flaps 15° or up)         |
| Best climb (Vy)      | 78kts/145km/h (flaps 15°) 86 kts/160km/h |
| En route             | 90 kts / 165 km/h                        |
| 5. Landing light     | OFF, as required                         |

## 8. Cruise check

- |                       |                          |
|-----------------------|--------------------------|
| 1. Power              | Set 65% per power table  |
| 2. Trim               | Set                      |
| 3. Mixture            | Set => EGT               |
| 4. Engine Instruments | Check                    |
| 5. Altimètre / XPND   | QNH / QNE / ALT => check |

## 9. Check for approach and landing

- |                             |                                   |
|-----------------------------|-----------------------------------|
| 1. ATIS                     | Listen: Information ...           |
| 2. Approach Briefing        |                                   |
| <b>G</b> Gyro               | Check and set                     |
| <b>A</b> Altimeter          | QNH                               |
| <b>R</b> Radios + nav. aids | Display - check / set             |
| <b>E</b> Essence            |                                   |
| Electric fuel pump          | ON                                |
| Quantity                    | <b>Endurance (? hours):</b> check |
| Fuel selector               | Open                              |
| Mixture                     | Full rich                         |
| Carburator heat             | as required                       |
| <b>L</b> Landing light      | ON                                |
| 4. Power                    | as required (2000 RPM)            |
| 5. Flaps                    | Speed check - 1st notch           |

## 10. Final check

- |                    |                                     |
|--------------------|-------------------------------------|
| 1. Flaps           | 3nd. notch (or as required)         |
| 2. Speed           | 70 kts/130km/h / short 62kts/115kmh |
| 3. Carburator heat | as required                         |