




FLIGHT DECK PREPARATION

- 1 Outside check..... COMPLETED
- 2 Airplane papers..... ABOARD and CHECKED
- 3 Magnetos..... OFF
- 4 Electrical switches..... OFF
- 5 Circuit breakers..... CHECKED
- 6 Master switch..... ON
- 7 Fuel check:
 - Quantity..... CHECK ENDURANCE
 - Fuel valves..... 2x ON
 - Mixture..... FULL RICH

BEFORE ENGINE START

- 1 Canopy..... CLOSED
- 2 Parking brake..... SET
- 3 Seat belts..... ON
- 4 ATIS (if available)..... RECEIVED

ENGINE START

- 1 Carburetor heat..... OFF (COLD)
- 2 Electrical fuel pump..... ON
- 3 Primer (cold engine only)..... PUMP according OAT, then LOCKED
- 4 Throttle..... OPEN 5 mm (Pump acc. eng.-temp.)
- 5 Propeller area..... CLEAR
- 6 Ignition key..... START
 -  when engine starts, release starter immediately!!!
do not crank fore more than 10 sec, then wait for minimum 20 sec. to cool down!
After 6 times, wait for 30 min.!
- 7 Throttle..... 1000 RPM
- 8 Oil pressure..... CHECKED
- 9 Electrical fuel pump..... OFF (fuel pressure checked)

AFTER ENGINE START

- 1 Avionic switch..... ON
- 2 Transponder set mode "ALT"..... CHECK "GND" and "VFR 7000"
- 3 Avionics..... SET & CHECK
- 4 Flight Instruments..... CHECKED
- 5 Lights..... AS REQUIRED

TAXI CHECK

- 1 Brakes and steering..... CHECKED
- 2 Instruments..... CHECKED



RUN UP CHECK

- 1 Parking brake SET
- 2 Run up:
 - Throttle 1800 RPM
 - Magnetos..... CHECKED (max drop 125 RPM)
 - Carburetor heat CHECKED
 - Alternator CHECKED
 - Gyro suction CHECKED
 - Throttle idle CHECK RPM
 - Throttle 1000 RPM

BEFORE DEPARTURE

- 1 Flight controls FREE & CORRECT
- 2 Trim CHECKED & SET
- 3 Flaps..... SET POSITION 1
- 4 Fuel check:
 - Quantity CHECK ENDURANCE
 - Fuel valves 2x ON
 - Mixture FULL RICH or BEST POWER
- 5 Electrical fuel pump ON
- 6 Carburetor heat OFF (COLD)
- 7 Canopy CLOSED
- 8 Take off briefing COMPLETED

LINE UP

- 1 Approach CLEAR
- 2 Wind CHECKED
- 3 Lights AS REQUIRED (ON)
- 4 Transponder AUTOMATIC (VFR 7000)
- 5 Time check..... PERFORM

CLIMB CHECK

- 1 Flaps..... UP
- 2 Climb power..... SET
- 3 Climb speed..... CHECKED
- 4 Lights AS REQUIRED
- 5 Electrical fuel pump OFF (fuel pressure checked)
- 6 Mixture SET

CRUISE CHECK

- 1 Altimeter..... SET
- 2 Directional gyro COMPARED
- 3 Power SET
- 4 Mixture SET
- 5 Engine Instruments..... CHECKED
- 6 Fuel quantity..... CHECKED

**DESCENT CHECK**

- | | | |
|----------|---|---------------------|
| A | Atis | NOTED |
| B | Briefing | COMPLETED |
| C | Circuit breakers and Cabin | CHECKED AND SECURED |
| D | Directional gyro | SET |
| E | Electric Equipment | AS REQUIRED |
| F | Fuel (Mixture) | SET FOR DESCENT |

APPROACH

- | | | |
|----------|-----------------------------------|-------------------------------------|
| 1 | Altimeter | SET QNH |
| 2 | Fuel check: | |
| | • Quantity | CHECK ENDURANCE |
| | • Fuel valves | 2x ON |
| | • Mixture | FULL RICH (except high field elev.) |
| 3 | Electrical fuel pump | ON |
| 4 | Carburetor heat | ON (HOT) |
| 5 | Landing light | ON |

FINAL CHECK

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|----------|--------------------|---------|
| 1 | Flaps | SET |
| 2 | Speed | CHECKED |

AFTER LANDING

- | | | |
|----------|-----------------------------------|-----------------------------|
| 1 | Transponder | CHECK "GND" |
| 2 | Flaps | UP |
| 3 | Carburetor heat | OFF (COLD) |
| 4 | Lights | AS REQUIRED |
| 5 | Electrical fuel pump | OFF (fuel pressure checked) |
| 6 | Time check | PERFORM |

PARKING

- | | | |
|----------|--|--------------|
| 1 | Parking brake | AS REQUIRED |
| 2 | Radio and electrical switches | OFF |
| 3 | Throttle | SET 1000 RPM |
| 4 | Mixture | IDLE CUT OFF |
| 5 | Magnetos and master switch | OFF |
| 6 | Flight Log /Tech Log | FILL OUT |

SPEEDS

- | | | |
|--------------|----------------------------|---------|
| V_X | Best angle of climb..... | 75 MPH |
| V_Y | Best rate of climb | 78 MPH |
| V_A | Manoeuvring speed..... | 117 MPH |
| V_{FE} | max. Flaps speed..... | 86 MPH |
| $V_{best G}$ | Best glide (0° Flaps)..... | 70 MPH |

CIRCUIT

