

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 valve BOTH
 - Mixture FULL RICH

BEFORE ENGINE START

- 1 Doors CLOSED AND LOCKED
- 2 Parking brake SET
- 3 Seat belts ON
- 4 ATIS (if available) RECEIVED

ENGINE START

- 1 Beacon light ON
- 2 Carburetor heat OFF (COLD)
- 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



AFTER ENGINE START

- 1 Avionic switch ON
- 2 Transponder set mode "ALT" CHECK "GND" and "VFR 7000"
- 3 Avionics and audio panel 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 1700 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 (0° - 10°)
- 4 Fuel check:
 - Quantity CHECK ENDURANCE
 - Fuel valve BOTH
 - Mixture FULL RICH or BEST POWER
- 5 Carburetor heat OFF (COLD)
- 6 Friction SET
- 7 Doors and windows 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 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 valve | BOTH |
| | • Mixture | FULL RICH (except high field elev.) |
| 3 | Carburetor heat | ON (HOT) |
| 4 | 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 | Time check | PERFORM |

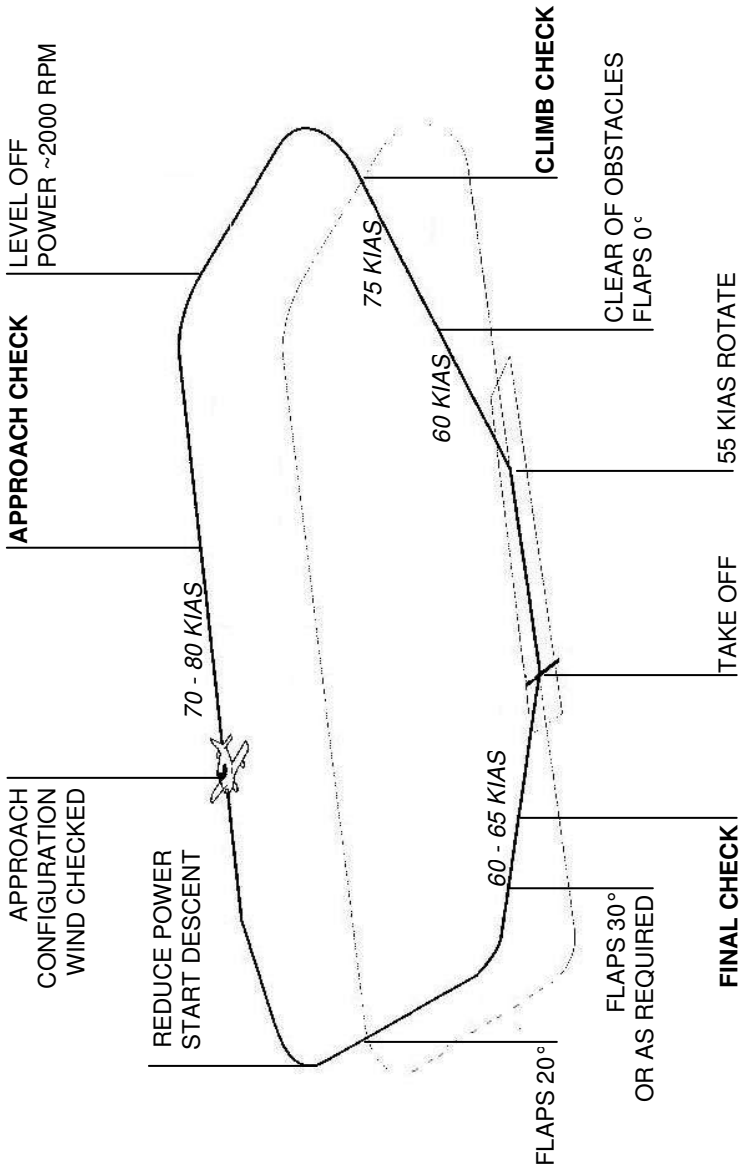
PARKING

- | | | |
|----------|---|--------------|
| 1 | Parking brake | AS REQUIRED |
| 2 | Avionic 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..... | 56 KIAS |
| V_Y | Best rate of climb | 76 KIAS (sea level) |
| | | 70 KIAS (12'000 ft) |
| V_A | Manoeuvring speed..... | 99 KIAS |
| $V_{FE 10}$ | max. Flaps speed 10° | 110 KIAS |
| $V_{FE 20-30}$ | max. Flaps speed 20° - 30°..... | 85 KIAS |
| $V_{best G}$ | Best glide (0° Flaps)..... | 65 KIAS |

CIRCUIT



For explanation refer to the Expanded Checklist