

Checklist C-172

OUTSIDECHECK / PREFLIGHT CHECK

1. according AFM..... completed

CHECK BEFORE STARTING ENGINE

1. Documents..... on board
2. Passenger briefing completed
3. Flight time counter / Flight log..... checked
4. Seats / Seat belts / Shoulder harness... adjusted, locked and fasten
5. Parking brake..... set
6. Master switch / Alternator on
7. Circuit breakers..... checked all in
8. Rotating Beacon..... on
9. ATIS..... received
10. Com / Avionics / Audio panel..... check 121.50 and prepared
11. Com / Avionics off
12. Autopilot..... off
13. Fuel quantity left / right checked, check min QTY
14. Fuel selector both
15. Mixer..... rich

ENGINE START

1. Primer (Einspritzpumpe)..... as instructed
2. Throttle..... 1 cm open
3. Prop area free
4. Starter..... start engage (10 sec max)
5. RPM 1000RPM set
6. Oil pressure..... green arc, within 30 sec.

AFTER STARTING ENGINE

1. Primer (Einspritzpumpe)..... locked
2. Alternator positive arc, checked
3. Radio Master..... on

TAXI CHECK

1. Time..... noted
2. Taxi light on
3. Brakes / steering checked

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4. Flight instruments..... checked

ENGINE RUN UP

1. Parking brake..... set
2. Oil pressure and temperature green arc
3. Throttle..... 1'700 RPM
4. Magnetos Drop max 125 RPM
..... Diff max 50 RPM
5. Carburetor heat (Vergaserheizung) function checked
6. Mixture function checked
7. Gyro suction..... checked, green arc
8. Alternator load..... checked, green arc
9. Throttle idle 500 - 700 RPM
10. Throttle..... 1000 RPM

CHECK BEFORE DEPARTURE

1. Mixture..... set as required
2. Carburetor heat cold (pushed)
3. Engine instruments..... checked, green arc
4. Throttle friction lock adjusted
5. Flight instruments..... set and verified
6. Pitch trim set for T/O
7. Rudder trim set for T/O
8. Flaps..... set for T/O
9. Doors closed
10. Controls free and easy
11. Departure Briefing completed

LINE UP

1. Approach sector / Runway free
2. Landing and strobe lights..... on
3. RWY and Gyros identified and checked
4. Wind..... checked
5. Transponder on or as required
6. Time..... noted

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CLIMB CHECK

1. Flaps up checked
2. Climb Power..... set
3. Landing lights..... on or as required

CRUISE CHECK

1. Altimeters set
2. Engine instruments..... checked, green arc
3. Flight instruments..... set and verified
4. Cruise power set as required
5. Mixture lean for efficient setting
6. Fuel quantity L/R..... checked
7. Fuel selector both

CHECK FOR APPROACH

1. Altimeter set QNH / to an altitude
2. Landing light on
3. Autopilot off
4. Fuel quantity L/R checked
5. Fuel selector both
6. Mixture rich or as required
7. Carburetor heat full heat or as required
8. Directional gyro verified with MC
9. Approach briefing completed

FINAL CHECK

1. Flaps..... set as required
2. Carburetor heat cold (pushed)
3. Mixer..... rich or as required

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CHECK AFTER LANDING

1. Time.....noted
2. Landing and strobe lightsoff
3. Taxi lighton
4. Transponder.....as required
5. Flaps.....up, retracted
6. Trims.....take off position

ENGINE SHUT DOWN

1. Parking brake.....set
2. 1000 RPM.....set
3. Lights.....off
4. Cabin- and instrument lightsoff
5. Electrical switches.....all off
6. Avionics 121.50 checked à then off
7. Magnetos cut-off (Magnetos Grounding)..checked (both à OFF à both)
8. Mixture.....idle, cut off
9. Ignition switchoff / remove key
10. Main Switch / Alternator.....off
11. Parking brake.....as required
12. Control lock.....as required
13. Flight datanoted
14. Protection for Pitot / Static portsas required
15. Cabin / Cockpit.....clean the aircraft

Speeds KIAS (kts)	
V_{Rotate}	56
V_X	70
V_Y	75
V_A (1'600 lbs)	82

Speeds KIAS (kts)	
V_{FE} Flaps extended	85
$V_{Ref Final}$	65 – 70
max Crosswind	15
$V_{Ref Final 0^\circ-Flaps}$	65 - 75
$V_{best glide}$	65

Flaps 30°
Flaps down

Flaps up