

NORMAL CHECKLIST – C 172 P / D - EIMN en

COCKPIT CHECK

Preflight inspection.....COMPL
 Documents.....ABOARD
 Doors.....CLOSED
 Seats.....ADJUSTED
 Seat Belts.....FASTENED
 Brakes.....SET
 All Electric Switches.....OFF
 Avionik Master.....OFF
 Circuit Breakers.....CKD
 Fuel Selector.....BOTH

COCKPIT CHECK COMPLETED

TAXI CHECK

Brakes.....CKD
 Flight Instruments (Turn, Turn, Erected, filled up).....CKD
 Magnetic Compass (filled up, swings freely,±10°).....CKD
 Flight Controls.....FREE and CORRECT

TAXI CHECK COMPLETED

BEFORE TAKE-OFF CHECK

Brakes.....SET
 Seats.....ADJUSTED
 Seat Belts.....FASTENED
 Doors / Windows.....CLOSED & LOCKED
 Flaps (0° - 10°).....CKD & SET 0°
 Instruments.....SET
 Fuel Quantity.....CKD
 Fuel Selector.....BOTH
 Mixture.....RICH
 Trim.....TAKE OFF

Throttle.....1700 RPM

Magnetos check.....max drop 125 RPM

.....max diff 50 RPM

carburetor heat.....CKD

suction.....CKD

engine instruments.....green arc

amperemeter.....CKD

Throttle.....1000 RPM

Throttle friction control.....ADJUST
 Departure (& Emergency) briefing.....COMPL
 Brakes.....RELEASE

BEFORE TAKE-OFF CHECK COMPLETED

CLEARED FOR T/O CHECK

Transponder.....(ON/ALT)
 Landing Light.....(ON)
 Pitot Heat.....(ON)
 Directional Gyro.....RWYHDG

CLEARED FOR T/O CHECK COMPLETED

STARTING ENGINE CHECK

Prime.....(engine: 2 - 5 times) and lock
 Carburetor heat.....COLD
 Throttle.....open ½ cm
 Mixture.....RICH
 Master Switch.....ON
 Rotating Beacon.....ON
Brakes.....CKD
Prop Area.....CLEAR
Starter.....ENGAGE
Throttle.....800 – 1000 RPM
Oil Pressure.....CKD

STARTING ENGINE CHECK COMPLETED

AFTER START CHECK

Avionik Master / Intercom / GPS.....ON
 Com/Nav/GPS.....SET
 Transponder.....STBY
 Gyro.....SET
 Altimeters.....SET/X-CKD
 ATIS / Initial Call.....INFO / TOWER

AFTER START CHECK COMPLETED



TAKE-OFF ITEMS

Flaps (0° - 10°).....0°
 Carburetor heat.....COLD
 Throttle.....full
 V_R.....55 KIAS
 V_{CLIMB}.....70 – 80 KIAS
 Time.....COPIED

Leaning: abv 3000' Density Altitude → to max RPM / 50°F rich of peak

AFTER T/O CHECK

Landing Light.....OFF
 Flaps.....UP >400ft SFC

AFTER T/O CHECK COMPLETED

CRUISE CHECK

Power (2.300 RPM).....SET
 Trim.....SET
 Mixture (50°F rich of peak).....LEAN

CRUISE CHECK COMPLETED

APPROACH CHECK

Seat Belts.....FASTEND
 Fuel Selector.....BOTH
 Carburetor heat.....ON
 Mixture.....ENRICH
 Power (2.000 RPM / downwind: 80 KIAS, base: 70 KIAS).....SET
 Flaps (0° - 10°).....10°

APPROACH CHECK COMPLETED

FINAL CHECK

Mixture.....RICH
 Landing Light.....ON
 Flaps (10° - 30°).....30°
 V_{REF} (60 KIAS) / TGT (65 – 75 KIAS).....60 KIAS / 70 KIAS

FINAL CHECK COMPLETED

AFTER LANDING CHECK

Flaps.....UP
 Carburetor heat.....COLD
 Landing Light.....OFF
 Pitot Heat.....OFF
 Transponder.....STBY
 Time.....COPIED

AFTER LANDING CHECK COMPLETED

PARKING LIST

Brakes.....(SET)
 Avionik Master.....OFF
 Throttle.....1200 RPM
 Mixture.....CUT OFF
 Magnetos (& key out).....OFF
 Master Switch.....OFF
 All Electric Switches.....OFF
 Control – Lock.....INSTALLED

PARKING LIST COMPLETED

V _R55 KIAS	V _A 1089 kg.....99 KIAS
V _X60 KIAS	V _A 726 kg.....82 KIAS
V _Y76 KIAS	V _{best glide}65 KIAS
X _{Wind max}15 Kts	V _{NE}158 KIAS
V _{FE} 10°.....110 KIAS	V _S44 KIAS
V _{FE} >10°.....85 KIAS	V _{SO}33 KIAS
V _{REF} <50ft.....60 KIAS	
V _{TGT} >50ft.....65 - 75 KIAS	

MTOW.....1.089 kg	FT with Res 1h – Check POH !
BW.....667 kg	75% POH.....32,0 l/h 3:43
BW _(Moment)663 kgm	75% average.....l/h :
fuel.....40 Gal / 151 l	75% school+20%.....l/h :

Nach Abstellung Innenraum und Frontscheibe sauber - Bordbuch - Seile - gesichert - DANKE -

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