

# NORMAL CHECKLIST - C 172 RG / D - EFRG 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  
 Cowl Flaps.....OPEN  
 Gear lever.....DOWN  
**COCKPIT CHECK COMPLETED**

## AFTER START CHECK

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

## STARTING ENGINE CHECK

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



## BEFORE TAKE-OFF CHECK

Brakes.....SET  
 Seats.....ADJUSTED  
 Seat Belts.....FASTENED  
 Doors / Windows.....CLOSED & LOCKED  
 Flaps.....CKD & SET 0°  
 Instruments.....SET  
 Fuel Quantity.....CKD  
 Fuel Selector.....BOTH  
 Fuel pump (> 0.5 PSI).....OFF  
 Mixture.....RICH  
 Cowl Flaps.....OPEN  
 Trim.....TAKE OFF  
**Throttle.....1800 RPM**  
**Magnetos check.....max drop 150 RPM**  
**prop (200 - 300 RPM) CKD / FULL FORWARD**  
**carburator heat.....max diff 50 RPM**  
**suction.....CKD**  
**engine instruments.....green arc**  
**ampere meter.....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**

## TAKE-OFF ITEMS

Flaps.....0°  
 Carburator heat.....COLD  
 Cowl Flaps.....OPEN  
 Fuel pump (>0.5 PSI).....OFF  
 Prop.....FULL FORWARD  
 Throttle.....full  
 V<sub>R</sub>.....60 KIAS  
 V<sub>CLIMB</sub>.....70 - 80 KIAS  
 Time.....COPIED  
 Learning: atv 3000' Density/Altitude → to max RPM / 50°F rich of peak

## AFTER T/O CHECK

Landing Light.....OFF  
 Brakes / Gear.....UP  
 Cowl Flaps.....OPEN  
 Flaps (>400 ft).....UP  
 Power.....full MAP / 2500 RPM  
 V<sub>CLIMB</sub>.....85 - 95 KIAS  
**AFTER T/O CHECK COMPLETED**

## CRUISE CHECK

Power (15-25 in.Hg / 2.100 - max 2.500RPM).....SET  
 Trim.....SET  
 Cowl Flaps (check Temp).....CLOSED  
 Mixture (60°F rich of peak).....LEAN  
**CRUISE CHECK COMPLETED**

# NORMAL CHECKLIST - C 172 RG / D - EFRG en

## APPROACH CHECK

Seat Belts ..... FASTEND  
 Fuel Selector.....BOTH  
 Cowl Flaps ..... CLOSED  
 Carburetor heat..... ON  
 Mixture ..... ENRICH  
 Power(20 MAP/2500RPM; downwind: 90 KIAS, base: 80 KIAS) SET  
 Flaps < 130 KIAS (< 100 KIAS / 30°) ..... 10°  
 Gear < 140 KIAS ..... DOWN / green  
**APPROACH CHECK COMPLETED**

## PARKING LIST

Brakes ..... (SET)  
 Avionik Master ..... OFF  
 Throttle ..... 1200 RPM  
 Mixture..... CUT OFF  
 Magnets (8 key cut) ..... OFF  
 Master Switch ..... OFF  
 All Electric Switches ..... OFF  
 Control – Lock ..... INSTALLED  
**PARKING LIST COMPLETED**

## FINAL CHECK

Mixture ..... RICH  
 Landing Light ..... ON  
 Flaps (< 100 KIAS ) ..... 30°  
 Prop (short final) ..... FULL FORWARD  
 V<sub>REF</sub> 63 KIAS / TGT 70 KIAS ..... 63 KIAS / 70 KIAS  
**FINAL CHECK COMPLETED**



## AFTER LANDING CHECK

Flaps ..... UP  
 Carburetor heat..... COLD  
 Landing Light ..... OFF  
 Pitot Heat ..... OFF  
 Transponder ..... STBY  
 Cowl Flaps ..... OPEN  
 Time ..... COPIED  
**AFTER LANDING CHECK COMPLETED**

V<sub>R</sub> ..... xx KIAS      V<sub>A</sub> 1198 kg ..... 106 KIAS  
 V<sub>X</sub> ..... 67 KIAS      V<sub>A</sub> 839 kg ..... 89 KIAS  
 V<sub>Y</sub> ..... 84 KIAS  
 X Wind max ..... 15 Kts  
 V<sub>best glide</sub> ..... 73 KIAS  
 V<sub>NE</sub> ..... 164 KIAS  
 V<sub>FE</sub> 10° ..... 130 KIAS  
 V<sub>FE</sub> >10° ..... 100 KIAS  
 V<sub>REF</sub> <50ft ..... 63 KIAS  
 V<sub>TGT</sub> >50ft ..... 70 KIAS  
 V<sub>LS</sub> ..... 51 KIAS  
 V<sub>SO</sub> ..... 42 KIAS  
 V<sub>LO</sub> ..... 140 KIAS  
 V<sub>LE</sub> ..... 164 KIAS  
 MTOW ..... 1.198 kg      FT with Res 1h – Check POH /  
 BW ..... 771 kg      75% POH ..... 37,9 l/h 5:12  
 BW (Moment) ..... 791,28 kgm      75% average ..... l/h  
 fuel ..... 62 Gal / 235 l      75% schottel20% ..... l/h