

CESSNA 170B+ N1625D CHECKLIST 7/2023

BEFORE START

1. Preflight Complete
2. Note time and Tach Time
3. Seatbelts and Harness – adjust and lock
4. Check Brakes for pressure
5. Fuel Valve – BOTH
6. Switches – OFF

STARTING ENGINE

1. Mixture – RICH
2. Carb Heat – COLD
3. Prime – 3-4times
4. Throttle – OPEN 1/2"
5. Master Switch – ON
6. START
7. Throttle – 1,000RPM max
8. Oil Pressure – Idle = 70-85 PSI
9. Electrical switches on
10. FUEL COMPUTER – FULL?

WEIGHTS

Empty Weight = 1,391
Max Gross = 2,200
Useful Load = 809
Max Fuel = 42G (252lb) useable **37G**
Useful Load Max Fuel = 557lbs

KORK NLR Airport

Runways–35/17/23/05
Field Elev. – 545
AWAS – 123.77
CTAF – 123.075
LIT APCH – 119.5

BEFORE TAKEOFF – RUNUP

1. Doors Windows Seatbelts
2. Flight Controls – FREE AND CORRECT
3. Flight Instruments
4. Engine Instruments
5. Radios and Transponder
6. Throttle – 1,800 RPM
7. Magnetos – Left, right – max drop 175, Δ50 rpm
8. PROP – CYCLE 3 times, RPM/MP/Oil Press.
9. Carb Heat – RPM DROP
10. Idle
11. Elevator Trim
12. Flaps – AS DESIRED
13. Fuel Valve – BOTH
14. Doors / Windows / Seatbelts
15. FUEL PUMP – ON

TAKEOFF

1. HEELS ON FLOOR
2. Full PROP / FULL Throttle = ~2700 RPM (RIGHT RUDDER)
3. Rotate – when tail (45MPH)
4. Power 24/2400 RPM
5. Climb – 70mph

AFTER TAKE OFF / CRUISE FLIGHT

1. Flaps Up
2. Fuel Pump OFF,
3. Landing Light OFF
4. 2400 RPM, 24" MP = 75%, 2300 RPM, 23" MP = 65%
5. Oil Pressure – 70-80 PSI, Oil TEMP – 170-180, MAX 245, Min 140

BEFORE LANDING

1. FUEL PUMP - ON
2. Carb Heat on
3. Power – **70MPH, 13MP**
4. PROP – FULL FORWARD
5. Mixture – SET FOR T/O POWER
6. FLAPS – WHITE ARC, 20, 30, 40 on final
7. Trim
8. Fuel Valve – BOTH
9. Lights – as appropriate (**BRIEF**)

AFTER LANDING

1. Carb heat off
2. Props high RPM
3. Mixture rich
4. Flaps – RETRACT or SET
5. Trim for takeoff
6. Fuel Pump – OFF/SET
7. Landing Lights – OFF

SHUTDOWN

1. Mixture – IDLE CUTOFF
2. Electrical switches – OFF
3. MAGS OFF (key on the dash)

EMERGENCY - FETCH

FUEL– qty/mixture/valves
ENGINE-carbht/mags/prmer
TRIM – for 70MPH
CONFIG – Flaps, Doors
HELP – Declare / Brief

V-SPEEDS (MPH)

V_R = 50mph
V_{S0} = 40mph
V_{S1} = 50mph
V_X = 55mph
V_Y = 70mph
V_A = 100mph
V_{APP} = 70mph
V_{FE} = 100mph
V_{NE} = 160mph
BEST GLIDE = 70
X-Wind =15Knots