

Cessna 172 SP NAVIII

NORMAL CHECKLIST

OO-LVA

BEFORE EXTERIOR C/L

Read and Do

Documents On Board
Control Wheel Lock.....Removed
Fire extinguisherCheck
Trim..... Neutral
Ignition Off
Fuel QuantityCheck
Forward/Aft Avionics Fans Checked
Avionics Switch 1&2..... Off
Master Switch Off

BEFORE START C/L

Briefing Completed
Doors..... Locked
Safety BeltsFastened
Fuel Selector Both
Cabin vent/heat control.....Closed
Mixture.....Cut Off
Throttle..... set for start
Circuit BreakersAll in
Parking Brake..... As required
Beacon light Switch On
Avionics Master Switch..... Off
Standby Battery switch..... Tested/Armed
Master Switch On
Fuel Qty / Syst. Page.....Checked & Set

BEFORE TAXI C/L

Oil Pressure Green
Amps (Main & Standby Batt)..... Checked
Avionics Switches 1&2 On
FlapsChecked, Set for takeoff
Flight Controls Free and Correct
Flight InstrumentsNo Red X
PFD Alert Window Checked
Nav/Com.....Checked/Set
Transponder GND

BEFORE TAKEOFF C/L

Engine Run-up Completed
Ignition Both
Fuel Pump Switch..... Off

Before T/O checklist continued

Trim Checked & Set for T/O
Flaps Set for T/O
Doors and windows Closed

RUNWAY ITEMS

Transponder.....Squawk Set/GND
Pitot Heat..... As Required
Lights (Landing, Strobe)On
Altimeter Check
Compass Check

AFTER TAKEOFF C/L

Landing Light Off
FlapsUp

APPROACH C/L

QNH BARO PFD & A/P Set
Approach COM/NAV set up..... Complete
Compass Check
Fuel Check
Mixture Rich
Brakes Check

LANDING C/L

Landing lightOn
Flaps Set for Landing

AFTER LANDING C/L

Landing Light Off
Pitot Heat Off
FlapsUp
TransponderGND/7000
Trim Neutral

SHUTDOWN C/L

Read and Do

Throttle 1700 Rpm
Avionics Switch 1&2 Off
MixtureCut-off
Lights..... Off
Ignition Off
Master switch Off
Stby Batt Switch..... Off

NORMAL TAKEOFF

Flaps 0-10°
Rotate 55 KIAS
Climb Speed 75-85 KIAS

SHORT FIELD TAKEOFF

Flaps 10°
Throttle..... Open (hold brakes)
Rotate 50 KIAS
Climb Speed 56 KIAS*
Wing Flaps Retract above 60 KIAS
*until clear of obstacles

NORMAL CIRCUIT

Downwind

Airspeed 80 KIAS
Flaps 10°

Base-leg

Airspeed 70 KIAS
Flaps 20°

Final

Airspeed 65 KIAS*
Flaps 20-30°

* No Flaps, add 5 KTS to final speed (70 KIAS)

SHORT FIELD LANDING

Flaps 30°
Airspeed on final 61 KIAS
Brakes Apply after touchdown

GO-AROUND

Throttle..... Open
Nose..... Takeoff attitude (touching horizon)
Flaps 20°
Airpeed..... 55 KIAS
Flaps 10°
400 feet Agl Flaps Up

CROSSWIND

When landing in a strong crosswind, use the minimum flaps setting required for the field length.

Maximum demonstrated crosswind 15 Kts

GENERAL INFO

Tank capacity OO-LVA 56 gallons
Usable fuel OO-LVA 53 gallons
Average consumption 9,5 gallons per hour
Minimum landing fuel 6 gallons
Oil capacity 8 quarts
Minimum oil required..... 5 quarts
1 US gallon = 3,78 liters
1 quart = ¼ gallon = 0,95 liters

Standard empty weight TBN
Max. useful load (Normal category) 406 Kg
Max. useful load (Utility category) 247 Kg
Max. baggage weight 54 Kg
MTOW (Normal category) 1159 Kg
MTOW (Utility category) 1000 Kg
MLW same as MTOW

Vx (best angle of climb) 62 KIAS*
Vy (best rate of climb) 74 KIAS*
* At SL, reduce by 1 knot per 2000 feet.

Vne 163 KIAS
Vno 129 KIAS
Va (1159 Kg (MTOW)) 105 KIAS
Va (1000 Kg) 98 KIAS
Va (863 Kg) 90 KIAS
Vfe (10° flaps) 110 KIAS
Vfe (>10° flaps) 85 KIAS
Vmax window open 163 KIAS

DOCUMENTS REQUIRED ON BOARD

Aircraft documents

1. Aircraft journal
2. Airworthiness certificate
3. Registration certificate
4. Radio certificate
5. Operating handbook
6. Weight and balance report

Pilot's documents

1. License
2. Passport
3. Medical