

# **CE172-M/N FLIGHT CHECKLIST** (v2022-11-09)

**NOTE:** Speeds given in MPH (KIAS)

## **BEFORE STARTING ENGINE**

Preflight inspection – COMPLETE  
Seats, belts, and harnesses – ADJUST and LOCK  
Fuel selector valve – BOTH  
Avionics and electrical equipment – OFF  
Brakes – TEST and HOLD

## **STARTING ENGINE**

Mixture – RICH  
Carburetor heat – COLD  
Master switch – ON  
Prime – AS REQUIRED  
Throttle – OPEN 1/8 inch  
Propeller area – CLEAR  
Magneto switch – START  
Oil pressure – CHECK  
Mixture – LEAN for taxi

## **BEFORE TAXI**

Avionics -- ON  
ATIS or weather information – copy (if available)  
Lights – AS REQUIRED  
Transponder – SET as appropriate  
Taxi clearance – ACQUIRE (if required)  
Brakes – CHECK

## **BEFORE TAKEOFF**

Brakes – HOLD  
Cabin doors and windows – CLOSED  
Flight controls – FREE and CORRECT  
Elevator trim – SET for takeoff

Fuel selector – BOTH  
Mixture – SET  
Throttle – 1700 RPM  
Magnetos – CHECK (125 RPM max drop, 50 RPM differential)  
Carburetor heat – CHECK for RPM drop  
Engine instruments and ammeter – CHECK  
Suction gauge – CHECK  
Throttle – IDLE  
Flight instruments and radios – SET  
Wing flaps – UP

## **TAKE OFF**

### **Normal takeoff**

Wing flaps – UP  
Carburetor heat – COLD  
Throttle – FULL  
Elevator control – ROTATE at 60 MPH (52 KIAS)  
Climb airspeed – 75 to 85 MPH (65 - 74 KIAS)

### **Maximum Performance Takeoff**

Wing flaps – UP  
Carburetor heat – COLD  
Brakes – APPLY  
Throttle – FULL  
Brakes – RELEASE  
Elevator control – tail slightly low  
Climb airspeed – 68 MPH (59 KIAS) until obstacles cleared  
Climb airspeed – 80 MPH (70 KIAS) after obstacles cleared

## **ENROUTE CLIMB**

Airspeed – 80 – 90 MPH [70 – 78 KIAS]  
Throttle – FULL  
Mixture – SET

## **CRUISE**

Power – 2200 to 2400 RPM  
Elevator trim – ADJUST  
Mixture -- LEAN

## **DESCENT**

Mixture – SET  
Power – AS DESIRED  
Carburetor heat – AS REQUIRED

## **BEFORE LANDING**

Fuel selector valve – BOTH  
Mixture – SET  
Carburetor heat – ON as required  
Airspeed – 70 to 80 MPH (flaps up) [60 - 70 KIAS]  
Wing flaps – AS DESIRED  
Airspeed – 65 to 75 MPH (flaps down) [55 – 65 KIAS]

## **GO-AROUND**

Throttle – FULL  
Carburetor heat – COLD  
Wing Flaps – 20 degrees  
Airspeed – 65 MPH [56 KIAS]  
Wing flaps – RETRACT incrementally

## **NORMAL LANDING**

Touchdown – MAIN WHEELS FIRST  
Landing roll – LOWER NOSE WHEEL GENTLY  
Braking – MINIMUM REQUIRED

## **AFTER LANDING**

Wing Flaps – UP  
Carburetor heat – COLD

## **SECURING AIRCRAFT**

Transponder – SET 1200  
Avionics – OFF  
Mixture – IDLE CUT-OFF (pull full out)  
Magnetos switch – OFF  
Master switch – OFF  
Control lock – INSTALL  
Hobbs and tachometer -- record  
Pitot cover – install  
Tiedowns – secure  
Wheel chocks – install

## **FREQUENCIES:**

CLL ATIS	126.85
CLL Ground	128.70
CLL Tower	118.50
Houston Approach/Departure	134.30
CLL Unicom	122.95
CFD CTAF	123.00
11R CTAF	123.07
Multicom (60R, LHB, RWV)	122.90