Diagram, text

Description automatically generated

C-172M N12935 Revised: Dec 20th, 2022

**PREFLIGHT**

Diagram

Description automatically generated

*NOTE*

*Visually check aircraft for general condition during walkaround inspection. In cold weather, remove even small accumulations of frost, ice or snow from wing, tail, and control surface. Also, make sure that control surfaces contain no internal accumulation of ice or debris. If night flight is planned, check operation of all lights, and, make sure flashlight is available.*

**Cabin:**

* Airworthiness and Registration- CHECK
* POH- CHECK
* Weight & Balance Sheet- CHECK
* Aircraft Key- ON FUEL SELECTOR
* Hobbs/Tach- VERIFY
* Headsets- PLUG IN
* Control Wheel Lock- REMOVE
* Controls- CHECK (free and correct)
* Ignition Switch- OFF
* Avionics Master Switch- OFF
* Prop- CLEAR- Visually
* Master Switch- ON
* Fuel Quantity Indicators- CHECK
* Flaps- EXTEND
* All Exterior Lights- ON
* Pitot Heat- ON
* Visually inspect lights
* Stall Warning Horn + Pitot Heat
* All Exterior Lights + Pitot Heat- OFF
* Master Switch- OFF
* Alternate Static- Check
* Mixture Control- IDLE CUTOFF
* Throttle- CLOSED
* Fuel Selector- BOTH
* Fire Extinguisher- CHECK (in green)

**Aircraft General:**

* Fuel- SUMP
* Fuel Level- CHECK
* Oil Level- CHECK (6-8 quarts)

**Fuselage (Left side):**

* Baggage Door- CHECK
* ELT Antenna- CHECK
* Left Fuselage- CHECK (dents, missing rivets, cracks…)
* Fuselage Lower Surface- CHECK
* Wing Upper Surface- CHECK

**Empennage:**

* Horizontal & Vertical Stabilizer- CHECK
* Elevator- CHECK
* Tail Tie-Down- DISCONNECT
* Rudder- CHECK
* VOR Antenna- CHECK
* Elevator Trim Tab- CHECK

**Fuselage (Right side):**

* Right Fuselage- CHECK (dents, missing rivets, cracks…)
* Fuselage Lower Surface- CHECK
* Wing Upper Surface- CHECK

**Right Wing:**

* Flap- CHECK
* Aileron- CHECK
* Wingtip- CHECK
* Wing Leading Edge- CHECK
* Air Vents- CHECK
* Wing Strut- CHECK
* Wing Tie-Down- DISCONNECT

**Landing Gear (Right side):**

* Strut- CHECK
* Tire/Wheel- CHECK
* Brakes/Brake Line- CHECK

**Nose (Right side):**

* Engine Cowling- CHECK
* Avionics Cooling Scoop- CHECK (if applicable)
* External Power Connection Port- CHECK (if applicable)
* Nose Wheel Steering Linkage- CHECK
* Shimmy Damper- CHECK
* Nose Wheel Strut- CHECK (minimum 3”)
* Tire- CHECK
* Exhaust- CHECK

**Nose (front):**

* Propeller- CHECK
* Spinner- CHECK
* Engine Air Inlets- CHECK
* Alternator Belt- CHECK
* Flywheel- CHECK
* Carburetor Air Filter- CHECK

**Nose (Left side):**

* Engine Cowling- CHECK
* Static Port- CHECK
* Avionics Cooling Scoop-
* Nose Wheel Steering Linkage- CHECK

**Left Wing:**

* Wing Strut- CHECK
* Air Vents- CHECK
* Wing Leading Edge- CHECK
* Pitot Tube- CHECK
* Fuel Tank Vent- CHECK
* Wing Tie Down- DISCONNECT
* Wingtip- CHECK
* Aileron- CHECK
* Flap- CHECK

**Landing Gear (Left side):**

* Strut- CHECK
* Tire/Wheel- CHECK
* Brakes/Brake Line- CHECK

**Before Flight:**

* Tie Downs- REMOVE
* Chocks- REMOVE
* Control Wheel Lock- REMOVE

**P.A.V.E- Checklist**

* **P**ilot
* **A**ircraft
* En**V**ironment
* **E**xternal pressures

***If Leaving the Airplane:***

* *Control Wheel Lock- IN*
* *Sunshade installed*
* *Doors- Closed*
* *Tie Downs- TIED (if windy)*
* *Chocks- INSERT*