

## C172M SHORT Checklist

### **PREFLIGHT: COCKPIT/TAIL**

Control Locks.....REMOVE  
Pitot Probe Cover.....REMOVE  
Cowl Plugs.....REMOVE  
Ignition Switch.....OFF  
Alternate Static Valve.....CHECK  
Avionics Master.....OFF  
Electrical Switches.....OFF  
Master Switch.....ON  
Fuel Indicators.....CHECK  
Flaps.....DOWN  
Exterior Lights.....CHECK  
Master Switch.....OFF  
Fuel Tank Sumps.....SAMPLE  
Right Wing Fuel Quantity.....CHECK  
Right Wing Fuel Cap.....SECURED  
Left Wing Fuel Quantity.....CHECK  
Left Wing Fuel Cap.....SECURED  
Baggage Door.....SECURED  
Antennas.....CHECK  
Tail Tie Down.....DISCONNECT  
Elevator/Rudder.....CHECK

### **PREFLIGHT: RIGHT WING**

Flap.....CHECK  
Main Landing Gear.....CHECK  
Wheel Chocks.....REMOVE  
Aileron.....CHECK  
Wing Tip.....CHECK  
Wing Leading Edge.....CHECK  
Wing Tie Down.....REMOVE  
Fairings.....INSPECT

### **PREFLIGHT: NOSE**

Engine Oil.....6-8QTS  
Engine Cowling.....INSPECT  
Prop Spinner.....CHECK  
Alternator.....CHECK  
Landing/Taxi Light.....CHECK

Carburetor Air Filter.....CHECK  
Nose Landing Gear.....INSPECT  
Static Port.....CHECK

### **PREFLIGHT: LEFT WING**

Flap.....CHECK  
Main Landing Gear.....CHECK  
Wheel Chocks.....REMOVE  
Aileron.....CHECK  
Wing Tip.....CHECK  
Wing Leading Edge.....CHECK  
Wing Tie Down.....REMOVE  
Fairings.....INSPECT

### **BEFORE START**

Preflight ..... COMPLETE  
Passenger Briefing ..... COMPLETE  
Seats.....ADJUST  
Seatbelts.....SECURE/CHECK  
Fuel Selector Valve.....BOTH  
Electrical Equipment.....OFF  
Circuit Breakers.....CHECK  
Carburetor HT.....COLD  
Master/Alt Switch.....ON  
Brakes.....TEST/SET  
Departure Briefing.....COMPLETE

### **ENGINE START**

Beacon.....ON  
Mixture.....RICH  
Prime.....AS REQUIRED  
Throttle.....SET 1/8"  
Prop Area.....CLEAR  
Ignition Switch.....START  
Throttle.....1000 RPM  
Oil Pressure.....CHECK

### **AFTER START**

Mixture.....LEAN

Avionics Master.....ON  
WX.....OBTAIN  
Transponder.....SET  
Altimeter.....SET  
Flaps.....UP  
HDG.....SET

### **TAXI**

Parking Brake.....OFF  
Brakes.....TEST  
Taxi Light.....ON  
Nav Lights.....AS REQUIRED

### **RUN-UP**

Taxi Light.....OFF  
Brakes.....SET  
Cabin Door and Windows.....SECURE  
Flight Controls.....FREE and CORRECT  
Flight Instruments.....CHECK  
Mixture.....FULL RICH  
Throttle.....1700 RPM  
Magnetos (125/50).....CHECK  
Carb HT.....CHECK  
Engine Instruments.....CHECK  
Suction Gauge.....CHECK  
Alternator.....CHECK  
Carb HT.....ON (Throttle Idle)  
Friction Lock.....ADJUST  
GPS/Nav.....PROGRAM AS REQUIRED

### **BEFORE TAKEOFF**

Seats/Seatbelt.....UPRIGHT/SECURE  
Cabin Doors and Windows.....SECURE  
Elevator Trim.....SET for TO  
Fuel Selector Valve.....BOTH  
Flaps.....AS REQUIRED  
Transponder.....SET to ALT  
Landing Light.....ON  
Strobe Lights.....ON

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Mixture.....RICH  
Carburetor HT.....COLD

### AFTER TAKEOFF

Flaps.....UP  
Throttle.....FULL  
Airspeed.....80 KIAS  
Mixture.....FULL RICH  
Engine Instruments.....NORMAL

### CRUISE

Power.....2200-2700RPM  
Elevator Trim.....AS REQUIRED  
Landing Light.....OFF  
Mixture.....LEAN AS REQUIRED

### DESCENT

ATIS/AWOS.....COPY  
Approach Briefing.....COMPLETE  
Seats/Seatbelts.....UPRIGHT/SECURE  
Fuel Selector.....BOTH  
Mixture.....FULL RICH  
Carburetor HT.....AS REQUIRED  
Landing Light.....ON

### BEFORE LANDING

Throttle.....AS REQUIRED  
Mixture.....FULL RICH  
Carburetor HT.....ON  
Flaps (Below 85 KIAS).....AS REQUIRED

### LANDING

Flaps.....SET  
Runway Markings.....CONFIRMED  
Brakes.....AS REQUIRED

### AFTER LANDING

Flaps.....UP  
Carburetor HT.....COLD

Throttle.....1000 RPM  
Mixture.....LEAN  
Taxi Light.....ON  
Landing.....OFF  
Strobe (Night).....OFF  
Trims.....SET for TO

### SHUT-DOWN

Throttle.....1000RPM  
Taxi/Nav Lights.....OFF  
Avionics Master.....OFF  
Mixture.....ICO  
Ignition Switch.....OFF  
Master Switch.....OFF

### SECURING

Control Lock.....INSTALL  
Times.....RECORD  
Tie Down/Wheel Chocks.....INSTALL  
Pitot Cover.....INSTALL  
Cowl Plugs.....INSTALL  
Parking Brake.....OFF  
Sunshades.....STOWED  
Door Locks.....AS REQUIRED  
Discrepancies.....RECORD  
Post Flight Inspection.....COMPLETE

### AIRCRAFT DATA

V<sub>S0</sub>.....41 KIAS  
V<sub>S1</sub>.....47 KIAS  
V<sub>R</sub>.....55 KIAS  
V<sub>X</sub>.....64 KIAS  
V<sub>Y</sub>.....78 KIAS  
V<sub>FE</sub>.....85 KIAS  
V<sub>NO</sub>.....128 KIAS  
V<sub>A</sub>.....80-97 KIAS  
V<sub>NE</sub>.....160 KIAS

Obstacle Clearance Speed.....64 KIAS  
Max Demo Crosswind.....15 KNOTS  
Engine Oil Capacity.....8 QTS  
Minimum Engine Oil.....6 QTS

### LOCAL FREQUENCIES

KEZF:

- CTAF – 122.8
- AWOS – 128.125

KRMN:

- CTAF – 122.725
- AWOS – 126.325