

N5123R Cessna 172M/G 1974

Interior Preflight

AIRCRAFT DOCUMENTS.....CHECK
HOBBS AND TACH TIME...VERIFY/RECORD
MASTER SWITCH.....ON
FUEL GAUGES.....CHECK
EXTERIOR LIGHTS.....CHECK
FLAPS.....DOWN
MASTER SWITCH.....OFF

Exterior Preflight

OIL.....CHECK (MIN. 5.75 qts)
FUEL STRAINER.....PULL
COWL FASTENERS.....SECURE
PROP/SPINNER.....CONDITION
AIR INTAKES.....CLEAR
AIR FILTER.....CLEAR
ALT. BELT.....CHECK
NOSE GEAR& TIRE.....CONDITION
WINDSHIELD.....CHECK
LEFT WING SUMP.....DRAIN
LEFT STRUT.....CHECK
LEFT WING LEADING EDGE.....CHECK
LEFT FUEL QUANTITY.....CHECK
STATIC PORT.....CLEAR
PITOT TUBE.....CHECK
FUEL VENT.....CHECK
LEFT WINGTIP.....CHECK
LEFT AILERON.....CHECK
LEFT FLAP.....CHECK
LEFT MAIN GEAR/TIRE.....CHECK
LEFT SIDE FUSELAGE.....CHECK
ELEVATOR.....CHECK
RUDDER/VERTICAL FIN.....CHECK
ELEVATOR TRIM.....CHECK
ANTENNAES.....CHECK
RIGHT SIDE FUSELAGE.....CHECK
RIGHT MAIN GEAR/TIRE.....CHECK
RIGHT FLAP.....CHECK
RIGHT AILERON.....CHECK
RIGHT WINGTIP.....CHECK
RIGHT LEADING EDGE.....CHECK
RIGHT STRUT.....CHECK
RIGHT FUEL SUMP.....DRAIN
RIGHT FUEL QUANTITY.....CHECK

Before Engine Start

Preflight INSPECTION.....COMPLETE
CHOCKS/TIEDOWNS.....REMOVED
PASSENGER BRIEFING.....COMPLETE
SEATBELTS/HARNESSES.....FASTENED
CARB HEAT.....OFF
CIRCUIT BREAKERS.....IN
MIXTURE.....RICH
THROTTLE.....1/8" OPEN
PRIME.....AS REQUIRED
PRIMER.....IN AND LOCKED?

FUEL SELECTOR.....BOTH
PROP AREA.....CLEAR?
MASTER SWITCH.....ON

Engine Start

MAGNETOS.....BOTH
PROP AREA.....CLEAR!
STARTER.....TURN TO ENGAGE
THROTTLE.....1000 RPM
OIL PRESSURE.....CHECK RISING
MIXTURE.....LEAN FOR TAXI
FLAPS.....UP

Before Taxi

RADIO MASTER.....ON
TRANSPONDER.....VERIFY CODE
LIGHTS.....AS REQUIRED
INTERCOM.....CHECK
RADIOS.....SET
ATIS.....OBTAIN
ALTIMETER.....SET
HEADING INDICATOR.....SET

Taxi

GROUND.....121.8
AREA.....CLEAR
BRAKES.....CHECK ON ROLLOUT
INSTRUMENT CHECK.....DURING TAXI

Engine Run Up

PROPELLER.....INTO THE WIND
FUEL SELECTOR.....BOTH
FLIGHT CONTROLS.....FREE AND CORRECT
BRAKES.....HOLD
MIXTURE.....RICH
THROTTLE.....1700 RPM
OIL PRESSURE.....CHECK
OIL TEMP.....CHECK
MAGNETOS.....CHECK (MAX 125/50 RPM DROP)
CARB HEAT.....CHECK DROP
SUCTION GAUGE.....(4.6-5.4) CHECK
AMMETER.....CHECK
IDLE.....CHECK
AUTOPILOT.....TEST

Before Takeoff

MIXTURE.....AS REQUIRED/RICH
CARB HEAT.....OFF
TRANSPONDER.....ALTITUDE
AUTOPILOT.....OFF
FLIGHT CONTROLS.....FREE/CORRECT
TRIM.....CHECK
FLAPS.....0 DEGREES
LANDING/TAXI LIGHT.....ON

WINDOWS AND DOORS.....CLOSED
TAKEOFF BRIEF.....COMPLETED
CALL TOWER.....124.2

Takeoff

RUNWAY HEADING.....CHECK/VERIFY
POWER.....FULL
FLIGHT CONTROLS... POSITION FOR WIND
POWER.....CHECK FULL
ROTATE.....60 MPH
CLIMB.....75-85 MPH

Climb

POWER.....FULL
MIXTURE.....LEAN AS REQ'D
LANDING/TAXI LIGHT.....OFF

Cruise

PITCH.....SET
POWER.....2200-2400 RPM
TRIM.....SET
MIXTURE.....LEAN AS REQ'D

Before Landing

ATIS/WEATHER.....OBTAIN
CARB HEAT.....AS REQ'D
MIXTURE.....RICH/AS REQUIRED
FUEL SELECTOR.....BOTH
LANDING/TAXI LIGHT.....ON
APPROACH BRIEF.....COMPLETE
SEATBELTS.....FASTENED

Normal Landing

DOWNWIND.....90 MPH
BASE.....80 MPH
FINAL.....70 MPH

After Landing

FLAPS.....UP
MIXTURE.....LEAN FOR TAXI
CARBURETOR HEAT.....OFF
TRANSPONDER.....VERIFY GND
LANDING/TAXI LIGHT.....OFF
RADIO.....CALL GND 121.8

Shutdown

AVIONICS MASTER.....OFF
MIXTURE.....IDLE CUT-OFF
MAGNETOS.....OFF
MASTER SWITCH.....OFF
TACH/HOBBS.....RECORD
CONTROL LOCK.....INSTALL
EXTERIOR.....CHECK

