

Cessna 172M Checklist

PRE-FLIGHT INSPECTION

CABIN

Control Wheel Lock	REMOVE
Ignition Switch	OFF
Master Switch	ON
Fuel Quantity Indicators	CHECK QTY
Master Switch	OFF
Baggage Door	CHECK

EMPENNAGE

Rudder Gust Lock	REMOVE
Tail Tiedown	DISCONNECT
Control Surfaces	CHECK

RIGHT WING

Aileron	CHECK
Wing Tiedown	DISCONNECT
Main Wheel Tire	CHECK
Fuel Tank Sump Valves	DRAIN
Fuel Quantity	CHECK VISUALLY
Fuel Filler Cap	SECURE, VENT CLEAR

NOSE

Engine Oil	CHECK, MIN. 6 QT
Fuel Strainer	DRAIN
Propeller & Spinner	CHECK
Landing Lights	CHECK
Carburetor Air Filter	CHECK
Nose Wheel Strut & Tire	CHECK
Nose Tie-Down	DISCONNECT
Flight Instrument Static Source Opening	CHECK

LEFT WING

Main Wheel Tire	CHECK
Fuel Strainer	DRAIN
Fuel Quantity	CHECK VISUALLY
Fuel Filler Cap	SECURE
Pitot Tube Cover	REMOVE
Fuel Tank Vent Opening	CHECK
Stall Warning Opening	CHECK
Wing Tiedown	DISCONNECT
Aileron	CHECK

BEFORE ENGINE START

Preflight Inspection	COMPLETE
Seats & Seatbelts	ADJUST & LOCK
Fuel Selector Valve	BOTH
Radios, Autopilot, Electrical Equipment	OFF
Brakes	TEST & SET
Circuit Breakers	CHECK IN

STARTING ENGINE

Mixture	RICH
Carburetor Heat	COLD
Master Switch	ON
Prime	AS REQUIRED (2 TO 6 STROKES)
Throttle	OPEN 1/8 INCH
Propeller Area	CLEAR
Ignition Switch	START (Release at Engine Start)
Oil Pressure	CHECK

BEFORE TAKEOFF

Cabin Doors and Windows	CLOSED & LOCKED
Flight Controls	FREE & CORRECT
Elevator Trim	TAKEOFF
Flight Instruments	SET

BEFORE TAKEOFF, CONT.

Radios	SET
Clearance	RECEIVED
Squawk Code	SET
Transponder	ALT
Autopilot (If Installed)	OFF
Fuel Selector Valve	BOTH
Mixture	RICH (Below 3000 Feet)
Parking Brake	SET
Throttle	1700 RPM
a. Magnetos - CHECK (RPM drop should not exceed 125 RPM on either magneto or 50 RPM differential between mags)	
b. Carburetor Heat - CHECK for RPM drop	
c. Engine Instruments & Ammeter - CHECK	
d. Suction Gauge - CHECK	
Flashing Beacon, Nav, Strobe Lights	ON
Throttle Friction Lock	ADJUST
Wing Flaps	UP

TAKEOFF

NORMAL TAKEOFF

Wing Flaps	UP
Carburetor Heat	COLD
Throttle	FULL
Elevator Control	LIFT NOSE WHEEL (at 55 KIAS)
Climb Speed	70-80 KIAS

MAXIMUM PERFORMANCE TAKEOFF

Wing Flaps	UP
Carburetor Heat	COLD

Cessna 172M Checklist

MAX PERFORMANCE TAKEOFF, CONT.

Brakes	APPLY
Throttle	FULL OPEN
Brakes	RELEASE
Elevator Control	SLIGHTLY TAIL LOW
Climb Speed	59 KIAS (til obstacles cleared)

ENROUTE CLIMB

Airspeed	70-90 KIAS
Throttle	FULL OPEN
Mixture	FULL RICH (may be leaned above 3000 feet)

CRUISE

Power	2200-2700 RPM (no more than 75%)
Elevator Trim	ADJUST
Mixture	LEAN

DESCENT

Mixture	RICH
Power	AS DESIRED
Carburetor Heat	AS REQUIRED

BEFORE LANDING

Fuel Selector Valve	BOTH
Mixture	RICH
Carburetor Heat	ON
Airspeed	60-70 KIAS (Flaps UP)
Wing Flaps	AS DESIRED
Airspeed	55-65 KIAS (Flaps DOWN)

BALKED LANDING

Throttle	FULL OPEN
Carburetor Heat	COLD
Wing Flaps	20 DEGREES
Airspeed	55 KIAS
Wing Flaps	RETRACT SLOWLY

NORMAL LANDING

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

AFTER LANDING

Wing Flaps	UP
Carburetor Heat	COLD

SECURING AIRPLANE

Parking Brake	SET
Radios, Electrical Equipment, Autopilot	OFF
Mixture	IDLE CUT-OFF (Pulled full out)
Ignition Switch	OFF
Master Switch	OFF
Control Lock	INSTALL

IMPORTANT PHONE NUMBERS

FLIGHT SERVICE STATION	1-866-992-7433
POTOMAC CLEARANCE	1-866-429-5882
POTOMAC TRAFFIC PATTERNS	1-540-351-6129
KGAI FUEL TRUCK	1-301-963-8043

RADIO FREQUENCIES

KGAI - GAITHERSBURG

CTAF	123.075
AWOS	128.275

KFDK - FREDERICK

CTAF	122.725
AWOS	124.875

KDMW - CARROLL COUNTY

CTAF	122.700
AWOS	121.250

POTOMAC TRACON

CLEARANCE	121.600
APPROACH	132.775, 128.700



WASHINGTON INTERNATIONAL FLIGHT ACADEMY

7940 Airpark Road
Gaithersburg, MD 20879

240-246-7529