

# CESSNA 172Q CHECKLIST

## PREFLIGHT - CABIN

Pilot's Operating Handbook --- CHECK  
 Parking Brake ----- SET  
 Control Wheel Lock ----- REMOVE  
 Ignition Switch ----- OFF  
 Avionics Power Switch ----- OFF  
 Master Switch ----- ON  
 Fuel Qty Indicators ----- CHECK QTY  
 Low-Vacuum Warning Light - CHECK ON  
 Avionics Cooling Fan ----- CHECK  
 Master Switch ----- OFF  
 Static Pressure Alt Source Valve - OFF  
 Fuel Selector Valve ----- BOTH  
 Baggage Door ----- CHECK

## EMPENNAGE

Rudder Gust Lock ----- REMOVE  
 Tail Tie-Down ----- DISCONNECT  
 Control Surfaces ----- CHECK

## RIGHT WING

Aileron ----- CHECK  
 Wing Tie-Down ----- DISCONNECT  
 Main Wheel Tire ----- CHECK  
 Fuel Tank Sump Valve ----- DRAIN  
 Fuel Selector Valve ----- DRAIN  
 Fuel Quantity ----- CHECK VISUALLY  
 Fuel Filler Cap ----- SECURE

## NOSE

Engine Oil - CHECK LEVEL, SECURE CAP  
 Fuel Strainer Drain Knob - PULL TO DRAIN  
 Propeller & Spinner ----- CHECK  
 Engine Cooling Air Inlets ----- CLEAR  
 Carburetor Air Filter ----- CHECK  
 Nose Wheel Strut & Tire ----- CHECK

## NOSE, CONT.

Nose Tie-Down ----- DISCONNECT  
 Static Source Opening ----- CHECK

## LEFT WING

Fuel Quantity ----- CHECK VISUALLY  
 Fuel Filler Cap ----- SECURE  
 Fuel Tank Sump Valve ----- DRAIN  
 Main Wheel Tire ----- CHECK  
 Pitot Tube Cover ----- REMOVE  
 Fuel Tank Vent Opening ----- CHECK  
 Stall Warning Opening ----- CHECK  
 Wing Tie-Down ----- DISCONNECT  
 Landing Lights ----- CHECK  
 Aileron ----- CHECK

## BEFORE ENGINE START

Preflight Inspection ----- COMPLETE  
 Passenger Briefing ----- COMPLETE  
 Seats, Belts, Harnesses - ADJUST, LOCK  
 Brakes ----- TEST & SET  
 Avionics Power Switch ----- OFF  
**CAUTION:** Avionics power switch  
 must be OFF during engine start to  
 prevent possible damage to avionics  
 Circuit Breakers ----- CHECK IN  
 Electrical Equipment, Autopilot - OFF  
 Fuel Selector Valve ----- BOTH

## STARTING ENGINE

Carburetor Heat ----- COLD  
 Mixture ----- RICH  
 Propeller Area ----- CLEAR  
 Master Switch ----- ON  
 Throttle - PUMP 1 or 2x, leave open 1/4"  
 If engine is HOT, turn on aux fuel pump.

## STARTING ENGINE, CONT.

Ignition Switch ----- START  
 Oil Pressure ----- CHECK  
 Starter ----- CHECK DISENGAGED  
 Avionics Power Switch ----- ON  
 Nav Lights & Beacon ----- ON, AS REQ.  
 Radios ----- ON

## BEFORE TAKEOFF

Parking Brake ----- SET  
 Seats, Belts, Harnesses - CHECK SECURE  
 Cabin Doors ----- CLOSED & LOCKED  
 Flight Controls ----- FREE & CORRECT  
 Flight Instruments ----- CHECK & SET  
 Fuel Quantity ----- CHECK  
 Aux Fuel Pump ----- ON  
 Check for rise in fuel pressure, then OFF  
 Mixture ----- RICH  
 Fuel Selector Valve - RECHECK BOTH  
 Elevator & Rudder Trim - SET for takeoff  
 Throttle ----- 1700 RPM  
 \*Magnetos ----- CHECK (RPM drop should  
 not exceed 125 RPM on either magneto  
 or 50 RPM differential between magnetos  
 \*Carburetor Heat - CHECK (for RPM drop)  
 \*Suction Gauge ----- CHECK  
 \*Engine Instruments & Ammeter - CHECK  
 Throttle ----- 1000 RPM or less  
 Throttle Friction Lock ----- ADJUST  
 Strobe Lights ----- AS DESIRED  
 Radios & Avionics ----- SET  
 Autopilot ----- OFF  
 Air Conditioner ----- OFF  
 Wing Flaps ----- SET FOR TAKEOFF  
 Brakes ----- RELEASE

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## NORMAL TAKEOFF

Wing Flaps ----- 0-10 DEG.  
Carburetor Heat ----- COLD  
Throttle ----- FULL OPEN  
Mixture ----- RICH (above 3000 feet,  
lean to obtain max RPM)  
Elevator Control - LIFT NOSE WHEEL  
(at 55 KIAS)  
Climb Speed ----- 70-80 KIAS

## SHORT FIELD TAKEOFF

Wing Flaps ----- 10 DEG  
Carburetor Heat ----- COLD  
Brakes ----- APPLY  
Throttle ----- FULL OPEN  
Mixture ----- RICH (above 3000 feet,  
lean to obtain max RPM)  
Brakes ----- RELEASE  
Elevator Control - SLIGHTLY TAIL LOW  
Climb Speed ----- 57 KIAS  
(until all obstacles are cleared)

## ENROUTE CLIMB

Airspeed ----- 75-85 KIAS  
Throttle ----- FULL OPEN  
Fuel Selector Valve ----- BOTH  
Mixture ----- RICH (above 3000 feet,  
lean to obtain max RPM)

## CRUISE

Power - 2100-2700 RPM (not over 75%)  
Elevator & Rudder Trim ----- ADJUST  
Mixture ----- LEAN

## DESCENT

Fuel Selector Valve ----- BOTH  
Power ----- AS DESIRED  
Mixture ---- ADJUST FOR SMOOTH OPERATION  
Carburetor Heat ----- FULL HEAT AS REQ.

## BEFORE LANDING

|                         |        |
|-------------------------|--------|
| Seats, Belts, Harnesses | SECURE |
| Fuel Selector Valve     | BOTH   |
| Mixture                 | RICH   |
| Carburetor Heat         | ON     |
| Autopilot               | OFF    |
| Air Conditioner         | OFF    |

## NORMAL LANDING

Airspeed ----- 65-75 KIAS  
Wing Flaps ----- AS DESIRED  
(0-10 DEG BELOW 110 KIAS, 10-30 BELOW 85)  
Airspeed ----- 60-70 KIAS (FLAPS DOWN)  
Trim ----- ADJUST  
Touchdown ----- MAIN WHEELS FIRST  
Landing Roll ---- LOWER NOSE WHEEL GENTLY  
Braking ----- MINIMUM REQUIRED

## SHORT FIELD LANDING

Airspeed ----- 65-75 KIAS (FLAPS UP)  
Wing Flaps ----- FULL DOWN (30 DEG)  
Airspeed ----- 62 KIAS (UNTIL FLARE)  
Trim ----- ADJUST  
Power - REDUCE TO IDLE AFTER CLEARING OBSTACLE  
Touchdown ----- MAIN WHEELS FIRST  
Brakes ----- APPLY HEAVILY  
Wing Flaps ----- RETRACT

## BALKED LANDING

Throttle ----- FULL OPEN  
Carburetor Heat ----- COLD  
Wing Flaps ----- RETRACT TO 20 DEG  
Climb Speed ----- 60 KIAS  
Wing Flaps ---- 10 DEG TIL OBSTACLES CLEARED  
RETRACT SLOWLY AFTER REACHING  
SAFE ALTITUDE & 65 KIAS

## AFTER LANDING

Carburetor Heat ----- COLD  
Wing Flaps ----- UF

## SECURING AIRPLANE

|                            |                    |
|----------------------------|--------------------|
| Parking Brake              | SET                |
| Throttle                   | 1000 RPM           |
| Avionics Power Switch      | OFF                |
| Electrical Equipment       | OFF                |
| Autopilot, Air Conditioner | OFF                |
| Mixture                    | IDLE CUT-OFF       |
| Throttle                   | CLOSE AS RPM DROPS |
| Ignition Switch            | OFF                |
| Master Switch              | OFF                |
| Control Lock               | INSTALL            |

## IMPORTANT PHONE NUMBERS

**FLIGHT SERVICES --- 866-992-7433**

**POTOMAC CLEARANCE --- 866-429-5882**

**POTOMAC TRAFFIC PATTERN --- 540-351-6129**

**GAITHERSBURG FUEL --- 301-963-8043**

**WIFA OFFICE --- 240-246-7529**