FUEL INJECTED CESSNA 172 CHECKLIST

- Fuel — CHECK (122.85)

CABIN CHECK

• Ignition Key	ON GLARESHIELD
• Documents (AROW)	CHECK
• Hobbs Meter	CHECK TIME
• Control Lock	REMOVE
• Electrical & Avionics	OFF
• Master Switch	ON
• Avionics Master Switch	ON-CHECK FAN-OFF
• Annunciator Panel Switch	TEST LIGHTS
• Fuel Gauges	CHECK
• Flaps	DOWN
• Exterior Lights	CHECK
• Master Switch	OFF
• Parking Brake	ON

EXTERIOR INSPECTION

• Fuel Sumps	SAMPLE (5)
• Fuselage Left Side	CHECK
• Elevator/Rudder	CHECK
• Tail Tie-down	REMOVE
• Fuselage Right Side	CHECK
• Right Flap & Aileron	CHECK
• Wing Tie-down	REMOVE
• Fuel Sumps	SAMPLE (5)
• Main Wheel Tire/Brakes	CHECK
• Chocks	REMOVE
• Fuel Quantity (Right Tank)	CHECK VISUALLY
• Engine Oil Level	CHECK (MIN. 5 QTS)
• Fuel Strainer/Selector Drains	SAMPLE (2)
• Propeller & Spinner	CHECK
• Alternator Belt	CHECK
• Landing Light	CHECK (CONDITION)
• Engine Air-Intake Filter	CHECK
• Nose Wheel Strut & Tire	CHECK
• Nose Chocks	REMOVE
• Static Source	CHECK
• Fuel Quantity (Left Tank)	CHECK VISUALLY
• Wing Tie-down	REMOVE
• Pitot Tube Cover	REMOVE
• Fuel Tank Vent	CLEAR
• Stall Warning Horn Opening	CHECK
• Left Flap & Aileron	CHECK
• Main Wheel Tire/Brakes	CHECK
• Chocks	REMOVE
• Move Airplane	CHECK TIRES
• Overall Condition	REVIEW

FUEL INJECTED CESSNA 172 CHECKLIST

BEFORE ENGINE START

• Seatbelts/Shoulder Harness	FASTENED
• Brakes	TEST & SET
• Fuel Selector	BOTH
• Fuel Shutoff Valve	ON (IN)
• Circuit Breakers	CHECK
• Beacon	ON
• Avionics Switch	OFF
• Master Switch	ON
• Throttle	OPEN 1/4 INCH
• Mixture	IDLE CUTOFF
• Aux. Pump	ON
• Mixture Rich 3-5 GPH	CUT OFF
• Aux. Pump	OFF
• Propeller Area	CLEAR

AFTER ENGINE START

• Ignition Switch	START
• Mixture (At Engine Start)	RICH
• Engine RPM	1000 RPM
• Oil Pressure	CHECK
• Mixture	LEANED MAX
• Flaps	RETRACT

TAXI

• Brakes	CHECK
• Magnetic Compass	MOVEMENT FREE
• Flight Instruments	CHECK

BEFORE TAKEOFF

• Parking Brakes	SET
• Flight Controls	FREE & CORRECT
• Flight Instruments	SET
• Fuel Selector	BOTH
• Elevator & Rudder Trim	SET
• Mixture	RICH FOR RUNUP
• Autopilot	CHECK DISCONNECT
• Throttle	1800 RPM
• Ammeter	CHECK
• Engine Instruments.	CHECK
• Suction	CHECK
• Magnetos	CHECK (125/50)
• Throttle	IDLE CHECK
SMOOTH & 600 RPM ± 25 THEN	1000 RPM
• Radios	SET
• Brakes	RELEASE
Final Items	
• Door/Windows	CLOSED
• Flaps	AS REQUIRED
• Mixture	RICH (BELOW 3000 FT)

FUEL INJECTED CESSNA 172 CHECKLIST

TAKEOFF

• "LIGHTS" (ALL)	ON
• "CAMERA" (Transponder)	ON
• "ACTION" (RPM, Oil Pres., Time)	FULL POWER
• Climb Speed (172R)	74 KTS
(172S)	79 KTS

BEFORE LANDING

• Seatbelts	ADJUST
• Fuel Selector	BOTH
• Engine Gauges	CHECK
• Heading Indicator	ALIGNED
• Altimeter Setting	CHECK
• Radios	SET
• Autopilot	OFF
Final Items	
• Mixture	RICH
• Flaps	DOWN
• Approach Speed	65-75 KTS

AFTER LANDING CHECK

• "LIGHTS" (Except Beacon)	OFF
• "CAMERA" (Transponder)	OFF
• "ACTION" (Mixture, Flaps)	

ENGINE SHUTDOWN

• Throttle	IDLE
• Mags	GROUND CHECK
• Throttle	1000 RPM
• Avionics/Electrical Equip.	OFF
• Mixture	CUTOFF
• Master/Alternator Switch	OFF
• Ignition Switch	OFF
• Ignition Key	GLARESHIELD

SECURING AIRCRAFT

• Hobbs & Tach	RECORD
• Control Lock	INSTALL
• Tiedowns/Chocks	INSTALL
• Propeller (For Fuel)	VERTICAL
• Fuel	RIGHT TANK

EMERGENCY PROCEDURES

AIRSPEEDS FOR EMERGENCY OPERATIONS

- Engine Failure After Takeoff 65 KTS
- Maneuvering Speed:
  2450 LBS/99KTS • 2100 Lbs/92 KTS • 1600 Lbs/82 KTS
- Maximum Glide 65 KTS
- Landing Without Engine Power:
  Flaps Up 65 KTS Flaps Down 60 KTS

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

- Fuel Selector BOTH
- Mixture RICH

IF ENGINE FAILS TO RESTART

- Airspeed 65 KTS
- Mixture CUTOFF
- Fuel Shutoff Valve OFF (PULL OUT)
- Ignition Switch OFF
- Master Switch OFF

ENGINE FAILURE DURING FLIGHT

- Airspeed 65 KTS

FLY THE AIRPLANE

- Fuel Shutoff Valve ON (IN)
- Fuel Selector BOTH
- Aux. Fuel Pump ON
- Mixture RICH
- Ignition Switch BOTH

EMERGENCY LANDING WITHOUT POWER

- Airspeed 65 KTS
- Mixture CUTOFF
- Fuel Shutoff Valve OFF (PULL OUT)
- Ignition Switch OFF
- Wing Flaps AS REQUIRED
- Master Switch OFF
- Seatbelts TIGHT
- Door UNLATCH
- Touchdown SLIGHTLY TAIL LOW
- Brakes APPLY HEAVILY

ALTERNATOR FAILURE

- Avionics Power Switch OFF
- Alternator Circuit Breaker CHECK IN
- Master Switch OFF
- Master Switch ON
- Low Voltage Light CHECK OFF
- Avionics Power Switch ON

IF LOW VOLTAGE LIGHT ON AGAIN

- Alternator OFF
- Nonessential Electrical Equip OFF
- Land As Soon As Practical

FIRE DURING START OR GROUND

- Cranking CONTINUE FOR START

If Engine Fails To Start

- Throttle FULL OPEN
- Mixture CUTOFF
- Master Switch OFF
- Ignition Switch OFF
- Fuel Shutoff Valve OFF (PULL OUT)
- Aux. Fuel Pump OFF

ENGINE FIRE IN FLIGHT

- Mixture CUTOFF
- Fuel Shutoff Valve OFF (PULL OUT)
- Aux. Fuel Pump OFF
- Master Switch OFF
- Cabin Heat & Air OFF
- Increase Airspeed BLOW OUT FIRE
- Forced Landing EXECUTE

ELECTRICAL FIRE IN FLIGHT

- Master Switch OFF
- Avionics OFF
- All Other Switches OFF
- Cabin Heat & Air OFF/CLOSE

COMMUNICATION LOSS

- Frequency CHECK
- Volume/Squelch CHECK
- Speaker/Phones Switch CHECK SELECTION
- Headset Jacks RESET
- O/H Speaker-Handmike TRY BOTH
- Circuit Breakers CHECK
- Other Radio IF AVAILABLE
- VOR Frequency MONITOR
- Squawk 7600
- Tower Lights Signals OBSERVE

EMERGENCY FREQUENCY 121.5

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