

FUEL INJECTED CESSNA 172 CHECKLIST

- Fuel CHECK (122.85)

CABIN CHECK

- Ignition Key ON GLARESHIELD
- Documents PAROW) 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 PRight 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)
- Carburetor Air Filter CHECK
- Nose Wheel Strut & Tire CHECK
- Nose Chocks REMOVE
- Static Source CHECK
- Fuel Quantity PLeft 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 PA(Engine Start) RICH
- Engine RPM 1000 RPM
- Oil Pressure CHECK
- Avionics/Radios ON
- 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
 - Throttle 1800 RPM
 - Autopilot CHECK DISCONNECT
 - 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

**Orange County
Flight Center**

