

CESSNA 172 RG CHECKLIST

• Fuel CHECK (122.85)

CABIN CHECK

• Ignition Key	ON GLARESHIELD
• Documents (AROW)	CHECK
• Hobbs Meter	CHECK TIME
• Landing Gear Lever	DOWN
• Control Lock	REMOVE
• Electrical & Avionics	OFF
• Standby Vacuum System	OFF (N4871V)
• Hydraulic Fluid Level	CHECK
• Master Switch	ON
• Landing Gear Indicator	GREEN
• Fuel Gauges	CHECK
• Flaps	DOWN
• Exterior Lights	CHECK
• Master Switch	OFF
• Parking Brake	ON

EXTERIOR INSPECTION

• Fuel Sump	SAMPLE
• Fuselage Left Side	CHECK
• Elevator/Rudder	CHECK
• Tail Tie-down	REMOVE
• Fuselage Right Side	CHECK
• Right Flap & Aileron	CHECK
• Wing Tie-down	REMOVE
• Fuel Sump	SAMPLE
• Main Wheel Tire/Brakes	CHECK
• Chocks	REMOVE
• Fuel Quantity (Right Tank)	CHECK VISUALLY
• Engine Oil Level	CHECK (MIN. 5 QTS)
• Fuel Strainer	SAMPLE
• Static Source	CHECK
• Propeller & Spinner	CHECK
• Alternator Belt	CHECK
• Landing Light	CHECK (CONDITION)
• 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
• Overall Condition	REVIEW

CESSNA 172 RG CHECKLIST

BEFORE ENGINE START

• Seatbelts/Shoulder Harness	FASTENED
• Brakes	TEST & SET
• Fuel Selector	BOTH
• Cowl Flaps	OPEN
• Circuit Breakers	CHECK
• Mixture	RICH
• Propeller	HIGH RPM
• Throttle	OPEN 1/4 INCH
• Carburetor Heat	COLD
• Landing Gear Lever	DOWN
• Beacon	ON
• Avionics switch	OFF
• Battery/Alternator	ON
• Prime	AS REQUIRED
• Propeller Area	CLEAR

ENGINE START

• Ignition Switch	START
• Oil Pressure	CHECK
• Engine RPM	1000 RPM
• Avionics/Radios	ON
• Mixture	LEANED
• 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
• Auxiliary fuel Pump	ON (FUEL PRESS) OFF
• Throttle	1800 RPM
• Ammeter	CHECK
• Engine Instruments.	CHECK
• Suction	CHECK
• Standby Vacuum System	ON-OFF (N4871V)
• Propeller	CYCLE
• Carburetor Heat	CHECK (SLIGHT DROP)
• Magnetos	CHECK (125/50)
• Check Throttle	IDLE CHECK
• Throttle	1000 RPM
• Radios	SET

-----Final Items-----

• Brakes	RELEASE
• Door/Windows	CLOSED
• Flaps	AS REQUIRED
• Mixture	RICH (BELOW 3000 FT)

CESSNA 172 RG CHECKLIST

TAKEOFF

• "LIGHTS" (ALL)	ON
• "CAMERA" (Transponder)	ON
• "ACTION" (RPM, Oil Pres., Time)	CHECK
• Climb Speed	70-80 KTS
• Brakes	APPLY
• Landing Gear	RETRACT

BEFORE LANDING

• Seatbelts	ADJUST
• Fuel Selector	BOTH
• Cowl Flaps	AS REQUIRED
• Carburetor Heat	ON
• Engine Gauges	CHECK
• Heading Indicator	ALIGNED
• Altimeter Setting	CHECK
• Radios	SET
• Autopilot	OFF
• Approach Speed	60-70 KTS

----- Final Items -----

• Landing Gear	DOWN
• Mixture	RICH
• Propeller	HIGH RPM
• Flaps	DOWN
• GUMPS	RECHECK

AFTER LANDING CHECK

• "LIGHTS" (Except Beacon)	OFF
• "CAMERA" (Transponder)	OFF
• "ACTION"	
Carb Heat	OFF
Mixture	LEANED
Flaps	RETRACT
Cowl Flaps	OPEN

ENGINE SHUTDOWN

• 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

EMERGENCY PROCEDURES

AIRSPEEDS FOR EMERGENCY OPERATIONS

- Engine Failure After Takeoff 70 KTS
- Maneuvering Speed:
2650 LBS/106 KTS • 2250 Lbs/98 KTS • 1850 Lbs/89 KTS
- Maximum Glide 73 KTS
- Landing Without Engine Power:
Flaps Up 75 KTS Flaps Down 65 KTS

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

- Fuel Selector BOTH
 - Mixture RICH
- IF ENGINE FAILS TO RESTART
- Airspeed 70 KTS
 - Mixture CUTOFF
 - Fuel Selector OFF
 - Ignition Switch OFF
 - Master Switch OFF

ENGINE FAILURE DURING FLIGHT

- Airspeed 75 KTS
- FLY THE AIRPLANE
- Carburetor Heat ON
 - Fuel Selector BOTH
 - Mixture RICH
 - Ignition Switch BOTH
 - Primer IN & LOCKED

EMERGENCY LANDING WITHOUT POWER

- Airspeed 75 KTS
- Mixture CUTOFF
- Fuel Selector OFF
- Ignition Switch OFF
- Landing Gear DOWN OR UP AS REQ'D)
- 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 CONTINUE FOR START

- Cranking
If Engine Fails To Start
- Throttle FULL OPEN
- Mixture CUTOFF
- Master Switch OFF
- Ignition Switch OFF
- Fuel Selector OFF

ENGINE FIRE IN FLIGHT

- Mixture CUTOFF
- Fuel Selector 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

EMERGENCY LANDING GEAR EXTENSION

- Master Switch ON
- Landing Gear Lever DOWN
- Circuit Breakers IN
- Gear Hand Pump Handle EXTEND - PUMP
About 35 Cycles
- Gear Down Light ON
- Pump Handle STOW

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

172 RG

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