

Cessna 172R Checklist

PRE-FLIGHT INSPECTION

CABIN

Pitot Tube Cover REMOVE
POH ACCESSIBLE
Weight & Balance CHECKED
Parking Brake SET
Control Wheel Lock REMOVE
Ignition Switch OFF
Avionics Master Switch OFF
Master Switch ON
Fuel Qty (L & R) CHECK
Low Fuel Annunciators (L & R) CHECK
Avionics Master Switch ON
Avionics Cooling Fan CHECK
Avionics Master Switch OFF
Static Pressure Alt Source Valve OFF
Annunciator Panel Switch TEST
Fuel Selector Valve BOTH
Fuel Shutoff Valve ON
Flaps EXTEND
Pitot Heat CHECK, THEN OFF
Master Switch OFF
Elevator Trim SET FOR TAKEOFF
Baggage Door CHECK
Autopilot Static Source CHECK

EMPENNAGE

Rudder Gust Lock REMOVE
Tail Tiedown DISCONNECT
Control Surfaces CHECK
Trim Tab CHECK
Antennas CHECK

RIGHT WING

Flap CHECK
Aileron CHECK

RIGHT WING, CONT.

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

NOSE

Fuel Strainer Valve DRAIN
Engine Oil CHECK, MIN. 5 QT
Engine Air Inlets CLEAR
Propeller/Spinner CHECK
Air Filter CLEAR
Nosewheel Strut & Tire CHECK
Static Source Opening CHECK

LEFT WING

Fuel Quantity CHECK VISUALLY
Fuel Filler Cap SECURE, VENT CLEAR
Fuel Tank Sump Valves DRAIN
Main Wheel Tire CHECK
Fuel Tank Vent Opening CHECK
Stall Warning Opening CHECK
Wing Tiedown DISCONNECT
Landing/Taxi Lights CHECK
Aileron CHECK
Flap CHECK

BEFORE ENGINE START

Preflight Inspection COMPLETE
Passenger Briefing COMPLETE
Seats & Seatbelts ADJUST & LOCK
Brakes TEST & SET
Circuit Breakers CHECK IN
Electrical Equipment OFF

BEFORE ENGINE START, CONT.

Avionics Master Switch OFF
Avionics must be off during engine start to prevent possible damage to avionics
Fuel Selector Valve BOTH
Fuel Shutoff Valve ON
Avionics Circuit Breakers CHECK

STARTING ENGINE (W/BATTERY)

Throttle Control OPEN 1/4 INCH
Mixture Control IDLE CUTOFF
Propeller Area CLEAR
Master Switch ON
Flashing Beacon ON
Aux. Fuel Pump Switch ON
Mixture Control FULL RICH
(3-5 SEC) then set to IDLE CUTOFF
Aux. Fuel Pump Switch OFF
Ignition Switch START
Mixture ADVANCE TO RICH
Oil Pressure CHECK
Navigation Lights ON AS REQ.
Avionics Master Switch ON
Radios ON
Flaps RETRACT

BEFORE TAKEOFF

Parking Brake SET
Seatbacks UPRIGHT POSITION
Seats & Seatbelts SECURE
Cabin Doors CLOSED & LOCKED
Flight Controls FREE & CORRECT
Flight Instruments CHECK & SET
Fuel Quantity CHECK
Mixture RICH
Fuel Selector Valve RECHECK BOTH
Throttle 1800 RPM

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BEFORE TAKEOFF, CONT.

Magnetos MAX RPM DROP 150
 Vacuum Gauge CHECK
 Instruments & Ammeter CHECK
 Annunciators CHECK
 Throttle CHECK IDLE
 Throttle 1000 RPM OR LESS
 Throttle Friction Lock ADJUST
 Strobe Lights AS DESIRED
 Radios & Avionics SET
 NAV/GPS Switch SET
 Autopilot OFF
 Manual Electric Trim CHECK
 Elevator Trim SET FOR TAKEOFF
 Wing Flaps SET FOR TAKEOFF
 Brakes RELEASE

TAKEOFF

Wing Flaps UP - 10 DEGREES
 Throttle FULL OPEN
 Mixture RICH
 Elevator Control LIFT NOSEWHEEL
 AT 55 KIAS
 Climb Speed 70-80 KIAS
 Wing Flaps RETRACT

SHORT FIELD TAKEOFF

Wing Flaps 10 DEGREES
 Brakes APPLY
 Throttle FULL OPEN
 Mixture RICH
 Brakes RELEASE
 Elevator Control SLIGHTLY TAIL LOW
 Climb Speed 57 KIAS
 Wing Flaps RETRACT SLOWLY
 AT 60+ KIAS

ENROUTE CLIMB

Airspeed 70-85 KIAS
 Throttle FULL OPEN
 Mixture RICH
 (LEAN FOR MAX RPM ABOVE 3000 FT)

CRUISE

Power 2000-2400 RPM
 Elevator Trim ADJUST
 Mixture LEAN

DESCENT

Power AS DESIRED
 Mixture ADJUST AS NEEDED
 Altimeter SET
 NAV/GPS Switch SET
 Fuel Selector Valve BOTH
 Wing Flaps AS DESIRED
 (0-10 DEG BELOW 110 KIAS,
 10-30 DEG BELOW 85 KIAS)

BEFORE LANDING

Seat Backs MOST UPRIGHT
 Seats & Seatbelts SECURED & LOCKED
 Fuel Selector Valve BOTH
 Mixture RICH
 Landing & Taxi Light ON
 Autopilot OFF

LANDING

Airspeed 65-75 KIAS, FLAPS UP
 Wing Flaps AS DESIRED
 (0-10 DEG BELOW 110 KIAS,
 10-30 DEG BELOW 85 KIAS)
 Airspeed 60-70 KIAS, FLAPS DOWN

LANDING, CONT.

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

SHORT FIELD LANDING

Airspeed 65-75 KIAS, FLAPS UP
 Wing Flaps FULL DOWN (30 DEG)
 Airspeed 62 KIAS
 Power REDUCE TO IDLE
 Touchdown MAIN WHEELS FIRST
 Brakes APPLY HEAVILY
 Wing Flaps RETRACT

BALKED LANDING

Throttle FULL OPEN
 Wing Flaps RETRACT TO 20 DEG
 Climb Speed 55 KIAS
 Wing Flaps 10 DEG TIL CLEAR
 RETRACT AFTER REACHING 60 KIAS

AFTER LANDING

Wing Flaps UP

SECURING AIRPLANE

Parking Brake SET
 Electrical Equipment OFF
 Avionics Master Switch OFF
 Mixture IDLE CUTOFF
 Ignition Switch OFF
 Master Switch OFF
 Control Lock INSTALL
 Fuel Selector Valve LEFT OR RIGHT