

Cessna 172R Normal Procedures Checklist

PREFLIGHT**CABIN**

HOBBS/TACH.....RECORDED
 AROW.....CHECK
 PARKING BRAKE.....SET
 CONTROL LOCK.....REMOVE
 FIRE EXTINGUISHER.....GREEN ARC/SECURE
 FUEL SELECTOR (feel for detent).....L/R/BOTH
 FUEL SHUTOFF VALVE.....VERIFY IN
 TRIM WHEEL.....TAKEOFF
 ALT STATIC.....CHECK
 MIXTURE.....IDLE CUTOFF
 THROTTLE.....IDLE
 SWITCHES/CIRCUIT BREAKERS....OFF/NORMAL
 IGNITION.....OFF
 BEACON.....ON
 MASTER SWITCH.....ON
 BATTERY VOLTAGE.....CHECK
 LIGHTS/PITOT HEAT.....ON/CHECK
 AVIONICS MASTER.....ON/LISTEN FOR FAN
 FLAPS.....EXTEND
 CO DETECTOR.....CHECK
 ELT SWITCH/LIGHT.....CHECK
 ANNUNCIATOR PANEL/LIGHTS.....CHECK
 FUEL QUANTITY.....CHECK
 SWITCHES/MASTER.....OFF

FUEL

FUEL SUMPS.....13
 FUEL QUANTITY.....DIP TO VERIFY
 FUEL CAPS.....SECURE

EMPENNAGE

BAGGAGE DOOR.....UNLOCK
 ANTENNAS.....CHECK
 FUSELAGE.....INSPECT
 HORIZONTAL STABILIZER.....INSPECT
 GUST LOCK (IF INSTALLED).....REMOVE
 VERTICAL STABILIZER.....INSPECT
 CONTROL SURFACES.....INSPECT

RIGHT WING

FLAP/AILERON.....INSPECT
 WING TIP/LIGHTS.....INSPECT
 LEADING EDGE.....INSPECT
 AIR VENTS.....CHECK
 MAIN GEAR.....INSPECT

NOSE

ENGINE OIL.....6-8 QTS
 COWLING.....INSPECT
 AIR FILTER.....CHECK
 ENGINE COOLING VENTS.....INSPECT

ALTERNATOR BELT.....INSPECT
 PROPELLER/SPINNER.....INSPECT
 NOSE GEAR/ DRAINS.....INSPECT
 STATIC SOURCE.....CHECK

LEFT WING

AIR VENTS.....CHECK
 LEADING EDGE.....INSPECT
 PITOT TUBE.....CHECK
 STALL WARNING HORN.....CHECK
 FUEL VENT.....CHECK
 WING TIP/LIGHTS.....INSPECT
 AILERON/FLAP.....INSPECT
 MAIN GEAR.....INSPECT

FINAL ITEMS

WING/TAIL TIE DOWNS.....REMOVE
 360° WALK AROUND.....COMPLETE
 BAGGAGE DOOR.....SECURE
PREFLIGHT INSPECTION.....COMPLETE

BEFORE START

BRIEFING.....COMPLETE
 SEAT/ SEATBELTS.....SECURED
 FUEL SELECTOR.....VERIFY BOTH
 FUEL SHUTOFF.....VERIFY IN
 SWITCHES.....SET
 BRAKES.....TESTED/SET
 DOORS.....CLOSED/LOCKED
BEFORE START CHECKLIST.....COMPLETE

ENGINE START

MIXTURE.....IDLE CUTOFF
 THROTTLE.....1/4 INCH OPEN
 MASTER SWITCH.....ON
 ENGINE START PROCEDURE.....EXECUTE

MIXTURE.....LEAN FOR CONDITIONS
 CIRCUIT BREAKERS.....CHECK
 GAUGES.....CHECK
ENGINE START CHECKLIST.....COMPLETE

BEFORE TAXI

AVIONICS MASTER.....ON
 AVIONICS.....SET
 FLIGHT INSTRUMENTS.....SET
 PRE-TAXI/DEPARTURE BRIEF.....COMPLETE
 FLAPS.....UP
 LIGHTS.....AS REQUIRED
 FLIGHT CONTROLS.....FREE AND CORRECT
BEFORE TAXI CHECKLIST.....COMPLETE

TAXI

PARKING BRAKE.....RELEASE
 BRAKES.....TEST
 FLIGHT INSTRUMENTS.....CHECK
TAXI CHECKLIST.....COMPLETE

BEFORE TAKEOFF

PARKING BRAKE.....SET
 FUEL SELECTOR.....VERIFY BOTH
 MIXTURE.....FULL RICH
 OIL TEMPERATURE / PRESSURE.....CHECK
 THROTTLE.....1800 RPM
 MAGS (R, then L).....CHECKED
 GAUGES.....CHECKED
 AMMETER.....CHECK
 ANNUNCIATOR PANEL.....CHECK/TEST
 THROTTLE.....IDLE/1000 RPM
 MIXTURE.....LEAN FOR CONDITIONS
 FLIGHT CONTROLS.....FREE AND CORRECT
BEFORE TAKEOFF CHECKLIST.....COMPLETE

TAKEOFF

AVIONICS/FLIGHT INSTRUMENTS.....SET
 TRANSPONDER.....CODE, ALT
 FLAPS.....SET ___°
 TRIM.....SET
 IGNITION.....BOTH
 =====
 RUNWAY/FINAL APPROACH.....CLEAR
 MIXTURE.....FULL RICH
 LIGHTS.....ALL ON
TAKEOFF CHECKLIST.....COMPLETE

V_R- 55 KIAS **V_X**- 60 KIAS **V_{SO}**- 33 KIAS

V_G- 65 KIAS **V_Y**- 79 KIAS **V_{S1}**- 44 KIAS

CLIMB

FLAPS.....UP
 MIXTURE.....FULL RICH
 GAUGES.....CHECK
CLIMB CHECKLIST.....COMPLETE

CRUISE

CRUISE POWER.....SET
 MIXTURE.....LEAN AS APPROPRIATE
 LIGHTS.....AS REQUIRED
CRUISE CHECKLIST.....COMPLETE

DESCENT

ARRIVAL BRIEFING.....COMPLETE
 THROTTLE/MIXTURE.....SET ___ RPM/ENRICH
 LIGHTS.....ON
DESCENT CHECKLIST.....COMPLETE

BEFORE LANDING

FUEL SELECTOR.....BOTH
 MIXTURE.....FULL RICH
 LOOSE ITEMS.....SECURE
 SEATS/SEATBELTS.....SECURE
 =====
 FLAPS.....SET ___°
BEFORE LANDING CHECKLIST.....COMPLETE

AFTER LANDING

TRIM.....ADJUSTED
 FLAPS.....RETRACT
 MIXTURE.....LEAN FOR CONDITIONS
 LIGHTS.....AS APPROPRIATE
AFTER LANDING CHECKLIST.....COMPLETE

SHUTDOWN

THROTTLE.....800 RPM
 TRANSPONDER.....STBY
 AVIONICS MASTER.....OFF
 MAGNETOS.....GROUND
 MIXTURE.....IDLE CUTOFF
 IGNITION SWITCH.....OFF
 SWITCHES/MASTER.....OFF
 PUSHBACK/AIRCRAFT SECURE.....COMPLETE
 HOBBS/TACH.....RECORD
SHUTDOWN CHECKLIST.....COMPLETE

AIRCRAFT SECURE

Tie downs (3).....ATTACHED
 Parking Brake.....SET (if tie-downs unavailable)
 Pitot tube cover.....INSTALLED
 Cowl plugs.....INSTALLED
 Extension cord (as appropriate) ... PLUGGED IN
 Hobbs and Tach Times.....RECORDED
 Squawks.....RECORDED
 Fuel Used/Remaining.....RECORDED
 Cabin and Baggage Areas.....CLEAN
 Personal items.....REMOVED
 Window(s).....SECURED
 Cabin and baggage doors.....SECURED/LOCKED