

CESSNA 172R QUICK REFERENCE CHECKLIST

ENGINE FAILURE DURING FLIGHT (RESTART)

Airspeed Best Glide ~ 65 KIAS
Landing Site SELECTED
Fuel Selector BOTH
Fuel Shutoff ON (push full in)
Mixture RICH
Aux Fuel Pump ON
Ignition Switch BOTH

FORCED LANDING

Radio Call AS REQUIRED
121.5 or last known frequency
Transponder 7700
Airspeed Flaps Up: 70 KIAS
Flaps Down: 65 KIAS
Fuel Shutoff OFF (pull full out)
Mixture IDLE CUT OFF
Ignition Switch OFF
Flaps AS REQUIRED
Master Switch OFF
Doors UNLATCH
Touchdown SLIGHTLY TAIL LOW
Brakes APPLY HEAVILY/AS REQUIRED

ENGINE FIRE IN FLIGHT

Mixture IDLE CUT OFF
Fuel Shutoff OFF (pull full out)
Aux Fuel Pump OFF
Master Switch OFF
Cabin Heat & Air OFF
Airspeed 100 KIAS OR MORE
Forced Landing EXECUTE

ELECTRICAL FIRE IN FLIGHT

Master Switch OFF
Vents, Cabin Heat & Air OFF
Fire Extinguisher ACTIVATE (if needed)
Avionics Master OFF
Other Switches (except ignition) OFF
Vents/Cabin Heat/Air OPEN IF FIRE IS OUT
FIRE IS OUT/ELECTRICAL POWER IS NEEDED
Master Switch ON
Circuit Breakers CHECK
DO NOT RESET CIRCUIT BREAKERS
Radio Switches OFF
Avionics Master ON
Essential Electrical Equip ON
(Defective Equip. OFF)

FIRE DURING ENGINE START

Cranking CONTINUE
IF ENGINE STARTS:
Power 1700 RPM
(2 min.)
Engine SHUTDOWN
IF ENGINE FAILS TO START:
Throttle FULL OPEN
Mixture IDLE CUT-OFF
Cranking CONTINUE
Fuel Shutoff Valve OFF (pull full out)
Aux Fuel Pump OFF
Master Switch OFF
Ignition Switch OFF
Parking Brake RELEASE
Fire Extinguisher OBTAIN
Airplane EVACUATE
Fire EXTINGUISH

LOW VOLTAGE LIGHT

Avionics Master OFF
Alternator Circuit Breaker CHECK-IN
Master Switch OFF
Master Switch ON
Low Voltage Light CHECK-OFF
Avionics Master ON
IF CONDITION RECURS:
Alternator Switch OFF
Non-Essential Electrical OFF
Flight TERMINATE (When Practical)

AMMETER SHOWS EXCESSIVE RATE OF CHARGE

Alternator OFF
Alternator Circuit Breaker PULL
Nonessential Electrical Equipment OFF
Flight TERMINATE (When Practical)

PREFLIGHT

CABIN

Hobbs/Tach CHECKED
Required Documents ABOARD
Control Wheel Lock REMOVE
Ignition Switch OFF
Avionics Power Switch OFF
Master Switch ON
Gyros CHECK AUDIBLY
Fuel Quantity CHECK
Avionics Power Switch ON
Avionics Cooling Fan CHECK AUDIBLY
Avionics Power Switch OFF
Alternate Static Source ON/CHECK/OFF
Annunciator Panel Switch TEST & RELEASE
Flaps EXTEND/FULL DOWN
Lights/Pitot Heat ON/CHECK/OFF
Master Switch OFF
Parking Brake SET

EMPENNAGE

Tail Tie Down DISCONNECT
Control Surfaces CHECK
Trim Tab CHECK
Antennas CHECK

RIGHT WING

Flap & Aileron CHECK
Wing Tie-Down DISCONNECT
Main Wheel Tire & Brake CHECK
Fuel Tank Sump DRAIN & CHECK (5)
Fuel Quantity CHECK VISUALLY
Fuel Filler Cap SECURE/CHECK VENT

NOSE

Fuel Strainer DRAIN & CHECK
Fuel Reservoir & Selector DRAIN & CHECK
Oil CHECK 6-8 QTS
Alternator Belt CHECK
Engine Cooling Air Inlets CLEAR
Prop & Spinner CHECK
Air Filter CHECK
Nose Wheel Strut & Tire CHECK
Static Source CHECK

LEFT WING

Fuel Tank Sump DRAIN & CHECK (5)
Fuel Quantity CHECK VISUALLY
Fuel Filler Cap SECURE/CHECK VENT
Pitot Tube CHECK
Stall Warning Opening CHECK
Fuel Tank Vent Opening CHECK
Wing Tie-Down DISCONNECT
Flap & Aileron CHECK
Main Wheel Tire and Brake CHECK
Parking Brake RELEASE
Tow Bar and Baggage Door SECURE

LOCAL FREQUENCIES

LNK ATIS 118.05
LNK GROUND 121.9
LNK TWR 118.5
OMA VOT 109.0
CLEARANCE 120.7
APPROACH 124.0
LNK Tower 402-458-2400



PERFORMANCE
A I R C R A F T

CESSNA 172R QUICK REFERENCE CHECKLIST

BEFORE STARTING ENGINE

Preflight COMPLETE
Passenger Briefing COMPLETE
Seats & Seat Belts ADJUST & LOCK
Parking Brake SET
Circuit Breakers CHECK IN
Electrical Equip. OFF
Avionics Power Switch OFF
Fuel Selector Valve BOTH
Fuel Shutoff Valve ON (PUSH FULL IN)

STARTING ENGINE

Throttle OPEN ¼ INCH
Mixture IDLE CUTOFF
Master Switch ON
Beacon ON
Aux Fuel Pump (omit for warm start) ON
Mixture (omit for warm start) ADVANCE
(Until fuel flow rises, then idle cut-off)
Aux. Fuel Pump (omit for warm start) OFF
Prop Area CLEAR
Ignition Switch START
Mixture ADVANCE AS ENGINE FIRES
Starter CHECK DISENGAGED
Throttle 1000 RPM
Oil Pressure CHECK

BEFORE TAXI

Mixture LEAN AS REQUIRED
Avionics Power Switch ON
Radios/GPS SET
ATIS/Altimeter/DG CHECK/SET X 3
Transponder STANDBY/CODE SET
Flaps RETRACT
Parking Brake/Brakes RELEASE/TEST
Lights AS REQ.

BEFORE TAKEOFF

Parking Brake SET
Passenger Seat Backs MOST UPRIGHT
Seats & Seatbelts CHECK SECURE
Cabin Doors CLOSED & LOCKED
Flight Controls FREE & CORRECT
Electric Trim / Auto Pilot TEST
Elevator Trim SET FOR TAKEOFF
Fuel Quantity CHECK
Flight Instruments CHECK/SET
Fuel Selector Valve RECHECK BOTH
Mixture RICH
Throttle 1800 RPM
Magnetos CHECK
..... (<150 RPM Drop Each, <50 Difference)
Vacuum Gauge CHECK
Engine Instruments CHECK
Ammeter CHECK
Annunciator Panel NONE ILLUMINATED
Throttle Idle ..Engine runs smoothly ~600 RPM
Throttle 1000 RPM
Mixture RICH
Throttle Friction SET
Lights AS REQUIRED
Radios & Avionics SET
Autopilot OFF
Transponder CODE SET/ALT
Parking Brake RELEASE

TAKEOFF

NORMAL

Flaps 0°-10°
Throttle FULL OPEN
Mixture RICH/AS REQUIRED
Tach/Engine Instruments CHECK GREEN
Rotate 55 KIAS
Climb Speed Vy – 79 KIAS/Vx – 60 KIAS
Flaps Retract

SHORT FIELD

Flaps 10°
Brakes APPLY
Throttle FULL OPEN
Mixture RICH/AS REQUIRED
Tach/Engine Instruments CHECK GREEN

SHORT FIELD (continued)

Brakes RELEASE
Elevator Control SLIGHTLY TAIL LOW
Rotate 55 KIAS
Climb Speed.. 60 KIAS (until obstacles cleared)
Flaps Retract

ENROUTE CLIMB

Airspeed 80-90 KIAS
Throttle Full Open
Mixture LEAN AS REQUIRED

CRUISE

Pitch HORIZON
Power 2000-2400 RPM
Trim AS REQUIRED
Mixture LEAN AS REQUIRED

BEFORE LANDING

Seat Backs MOST UPRIGHT
Seats & Seatbelts CHECK SECURE
Fuel Selector Valve BOTH
Mixture RICH/AS REQUIRED
Lights AS REQUIRED
Autopilot OFF

BALKED LANDING

Throttle FULL OPEN
Flaps RETRACT TO 20°
Climb Speed 55 KIAS
Flaps RETRACT TO 10°
(until obstacles cleared)
Climb Speed 60 KIAS
Flaps UP (Obstacles Cleared)

LANDING

NORMAL LANDING

Airspeed 65-75 KIAS (flaps up)
Flaps AS DESIRED
(0°-10° below 110 KIAS)
(10°-30° below 85 KIAS)
Airspeed 60-70 KIAS (flaps down)
Touchdown MAIN WHEELS FIRST
Braking AS REQUIRED

SHORT FIELD

Flaps FULL DOWN 30°
Airspeed 62 KIAS (until flare)
Power REDUCE (When landing assured)
Touchdown MAIN WHEELS FIRST
Braking APPLY HEAVILY/AS REQUIRED
Flaps RETRACT

AFTER LANDING

Flaps UP
Transponder STANDBY/1200
Mixture LEAN AS REQUIRED
Lights AS REQUIRED
Trim SET FOR TAKE-OFF

SHUTDOWN

Avionics Master Switch OFF
Electrical Equipment OFF (except beacon)
Throttle IDLE
Throttle 1000 RPM
Mixture IDLE CUT OFF
Ignition Switch OFF
Master Switch OFF
Control Lock INSTALLED
Fuel Selector Valve LEFT OR RIGHT TO
PREVENT X-FEEDING

AIR SPEEDS IN KIAS

Vso 33
Vs 44
Vr 55
Best Glide/Max Gross Wt 65
Vx 60
Vy 79
Vfe 110 (10° flaps) ... 85 (11° - 30° flaps)
Va 99 (2450 lbs) ... 91 (2000 lbs)
..... 82 (1600 lbs)
Max X-Wind Component 15 knots