

CESSNA 172

Quick Reference Checklist

PREFLIGHT

CABIN

Required Documents/POH.....ABOARD
 Parking Brake.....SET
 Control Wheel Lock.....REMOVE
 Ignition Switch.....OFF
 Elevator Trim.....NEUTRAL
 Mixture.....OFF
 Throttle.....OFF
 Alternate Static Source.....CHECKED/OFF
 Electrical Switches.....OFF
 Avionics Power Switch.....OFF
 Master Switch.....Prop Area Clear-ON
 Fuel Quantity.....CHECK
 Flaps.....DOWN
 Lights.....DAY OFF/NIGHT CHECKED
 Master Switch.....OFF

LEFT WING/FUSELAGE

Main Wheel Tire and Brake.....CHECK
 Fuel Tank Sump.....DRAIN/CHECK
 Fuel Quantity.....CHECK/SECURE CAP
 Leading Edge.....CHECK
 Pilot Tube.....CHECK
 Stall Warning.....CHECK
 Fuel Tank Vent.....CHECK
 Tie Down.....REMOVE
 Aileron and Flap.....CHECK
 ELT.....ARMED
 Baggage Door.....CLOSED/LOCKED

EMPENNAGE

Control Surfaces.....CHECK
 Elevator Trim Tab.....CHECK
 Tail Tie Down.....REMOVE

RIGHT WING/FUSELAGE

Airplane Antennas.....CHECK
 Aileron and Flap.....CHECK
 Leading Edge.....CHECK
 Tie-Down.....REMOVE
 Main Wheel Tire and Brake.....CHECK
 Fuel Tank Sump.....DRAIN
 Fuel Quantity.....CHECK

NOSE

172M 172N 172P

Oil.....CHECK - **minimum** 6qts. 5qts. 4qts.
 Fuel Strainer/Belly Sump.....DRAIN/CHECK
 Exhaust Stack.....SECURE
 Alternator Belt.....CHECK
 Propeller and Spinner.....CHECK
 Landing Lights.....CHECK
 Air Filter.....CHECK
 Nose Wheel Tire and Strut.....CHECK
 Static Source.....CHECK

BEFORE STARTING ENGINE

Preflight.....COMPLETE
 Passengers.....BRIEFED
 Seats and Seat Belts.....ADJUST & LOCK
 Parking Brake.....SET
 Fuel Selector Valve.....BOTH
 Mixture.....RICH
 Throttle.....OPEN ¼"
 Carb Heat.....OFF
 Avionics and Electrical.....OFF
 Circuit Breakers.....IN
 Beacon.....ON

STARTING ENGINE

Prime.....2-6 STROKES/LOCKED
 Prop Area.....CLEAR
 Master Switch.....ON
 Ignition Switch.....START
 Throttle.....1000 RPM
 Oil Pressure.....CHECK-GREEN
 Mixture.....LEAN

PRE TAXI

Ammeter.....NORMAL CHARGE
 Flaps.....UP
 Avionics.....ON/SET
 Altimeter.....SET
 Transponder.....STANDBY/CODE
 Brakes.....TEST

RUNUP

Parking Brake.....SET
 Flight Controls.....FREE/CORRECT
 Fuel Selector.....BOTH
 Trim.....TAKE-OFF
 Throttle.....1700RPM
 Carb Heat.....CHECKED/OFF
 Magnetos (125/50).....CHECKED/BOTH
 Engine Instruments.....GREEN ARCS
 Ammeter.....CHECKED
 Vacuum.....4.5-5.4"
 Throttle.....1000RPM

BEFORE TAKEOFF

Flaps.....AS REQUIRED
 Doors.....LATCHED
 Heading Indicator.....SET
 Attitude Indicator.....SET
 Pre-Takeoff Briefing.....COMPLETE

TAKE OFF

Transponder.....ON
 Strobe/Landing Light.....ON
 Mixture.....RICH
 Throttle.....2300RPM +/- 50

NORMAL	172M	172N	172P
Rotate	55	55	55KIAS
Climb - Vy	78	73	76KIAS
Climb - Vx	64	59	60KIAS
SHORT/SOFT	172M	172N	172P
Flaps - Short	0	0	10
Flaps - Soft	10	10	10
Elevator - Soft		FULL BACK	
Taxiing - Soft		DON'T STOP	
Carb Heat		COLD	
Brakes - Short		HOLD - On Rwy	
Brakes - Soft		DON'T HOLD	
Throttle		FULL OPEN	
*CHECK TACHOMETER AND ENGINE INSTRUMENTS			
Brakes - Short		RELEASE	
Rotate/Climb - Short	55/59	55/59	55/56KIAS
Rotate/Lift-Off - Short		ASAP	

Soft - Stay in Ground Effect to 56KIAS & Climb.
 Above Obstacles - Transition to Vy Climb Speed.

CLIMB

Power.....AS PLANNED
 Mixture.....AS REQUIRED
 Flaps.....UP

CRUISE

Power.....AS PLANNED
Mixture.....AS PLANNED
Landing Light.....OFF

BEFORE LANDING

ATIS/WX.....COPY
Airport Information.....REVIEW
Fuel Selector Valve.....BOTH
Mixture.....RICH or AS REQUIRED
Carb Heat.....ON
Landing Light.....ON
Primer.....IN and LOCKED
Seat Belts.....ADJUST and LOCK

LANDING

NORMAL

Flaps.....SET ON AIRSPEED
Airspeed.....55 - 70KIAS
Touchdown.....MAIN WHEELS
Braking.....AS REQUIRED

SHORT/SOFT

172M 172N 172P

Flaps.....40 40 30
Airspeed.....60 60 61KIAS

Reduce power to idle as obstacles are cleared

Power at Touchdown - **Soft**.....~800RPM
Touchdown.....MAIN WHEELS

Soft - Touchdown on Main Wheels - HOLD NOSE OFF

Brakes - **Short**.....APPLY HEAVILY
Brakes - **Soft**.....APPLY LIGHTLY
Flaps - **Short**.....RETRACT
Flaps - **Soft**.....LEAVE EXTENDED
Taxiing - **Soft**.....DON'T STOP

BALKED LANDING (GO AROUND)

Throttle.....FULL OPEN
Carb Heat.....COLD
Flaps.....20
Climb.....55KIAS

Above Obstacles & 60KIAS - Slowly Retract Flaps

AFTER LANDING

Flaps.....UP
Carb Heat.....COLD
Lights.....AS REQUIRED
Transponder.....STANDBY
Mixture.....LEAN AS REQUIRED

SHUTDOWN

Parking Brake.....SET
Avionics and Transponder.....OFF
Throttle.....IDLE
Mixture.....IDLE CUT-OFF
Ignition Switch.....OFF
Master Switch.....OFF
Control Wheel Lock.....INSTALL
Post-Flight Walkaround.....COMPLETE

INSTRUMENT APPROACH BRIEFING GUIDE

ATIS Briefing
Planned Approach/Alternate Approach
Field Elevation
Min. Altitudes: IAF, Procedure Turn, FAF, GSIA
Localizer or Final Approach Course
MDA or DH
Missed Approach Procedure
Approach Speed & Time From FAF to MAP
Runway/Approach Lighting
Caution Items Depicted on Plate

EMERGENCY PROCEDURES

ENGINE FAILURE DURING FLIGHT

Airspeed.....65KIAS
Carb Heat.....ON
Landing Site.....SELECT
Fuel Selector Valve.....BOTH
Mixture.....RICH
Primer.....IN & LOCKED
Ignition Switch.....BOTH - START

FORCE LANDING

Radio Call.....AS REQUIRED
121.5 or One in Use (if already in contact with ATC)
Transponder.....7700
Airspeed.....65KIAS
Mixture.....IDLE CUT-OFF
Fuel Selector Valve.....OFF
Ignition Switch.....OFF
Flaps.....AS REQUIRED
Master Switch.....OFF
Doors.....UNLATCH
Touchdown.....TAIL LOW
Brakes.....APPLY HEAVILY IF NECESSARY

ENGINE FIRE IN FLIGHT

Mixture.....IDLE CUT-OFF
Fuel Selector Valve.....OFF
Master Switch.....OFF
Cabin Heat and Air.....OFF
Airspeed.....100KIAS or MORE
Forced Landing.....EXECUTE

DO NOT ATTEMPT RESTART

ELECTRICAL FIRE IN FLIGHT

Master Switch.....OFF
Avionics and Electrical Switches.....OFF
Cabin Heat-Air Vents.....CLOSED
Fire Extinguisher.....ACTIVATE
Vents.....OPEN

IF FIRE IS OUT AND ELECTRICAL POWER IS NEEDED:

Master Switch.....ON
Circuit Breakers.....CHECK

DO NOT RESET CIRCUIT BREAKERS

Avionics and Electrical Switches.....ON ONE BY ONE

FIRE DURING ENGINE START

Cranking.....CONTINUE
IF ENGINE STARTS:
Power.....1700RPM (2 min.)
Engine.....SHUTDOWN
IF ENGINE FAILS TO START:
Throttle.....FULL OPEN
Mixture.....IDLE CUT-OFF
Cranking.....CONTINUE
Fire Extinguisher.....OBTAIN
Master and Ignition Switch.....OFF
Fuel Selector Valve.....OFF
Fire.....EXTINGUISHER

LOW/HIGH VOLTAGE LIGHT

Avionics Power.....OFF
Alternator Circuit Breaker.....CHECK-IN
Master Switch.....OFF (Both Sides)
Low/High Voltage Light.....CHECK - OFF
Avionics Power.....ON

IF LIGHT ILLUMINATES AGAIN:

Alternator.....OFF
Non-Essential Electrical Equipment.....OFF
Flight.....LAND AS SOON AS PRACTICAL