

CHI Aerospace C172 Preflight Checklist

CABIN

Control Locks.....Remove
Fuel Tank QTY.....Dip/Check
Documents (AROW).....Check
Hobbs & Tach.....Record
Ignition.....Off
Avionics Master.....Off
Master.....On
Flaps.....Extend Fully
External Lights.....Check, Then Off
Pitot Heat.....Check, Then Off
Master.....Off
Baggage.....Secure
FOD.....Remove
Fire Extinguisher.....In Green
Fuel Quantity.....Verify

EMPENNAGE

Baggage Door.....Secure
Empennage.....Inspect
Elevator.....Check/Free Movement
Trim Tab.....Check
Rudder.....Check/Free Movement
Antennas.....Check

RIGHT WING

Flaps.....Check Secure
Aileron.....Check/Free Movement
Wingtip.....Inspect
Leading Edge.....Inspect
Wing Strut.....Inspect
Main Gear.....Check/Inflated
Brake.....Check Pad/Line/Rotor
Fuel Tank Sump.....Drain/Check
Fuel Cap.....Check/Secure
Overheard Cabin Vent Inlets.....Clear

NOSE

Right Side Cowling.....Check
Engine Oil.....Check (5-7 Qts)
Fuel Strainer.....Pull (3-5 Sec)
Exhaust.....Check
Nose Strut.....Check
Nose Wheel.....Check/Inflated
Engine Air Intake.....Check Clear
Propellor/Spinner.....Check
Alternator Belt.....Check
Engine Air Filter.....Check Clear
Static Port.....Check Clear
Left Side Cowling.....Check
Windscreen.....Check/Clean

LEFT WING

Overhead Cabin Vent Inlets.....Clear
Leading Edge.....Inspect
Wing Strut.....Inspect
Pitot Tube.....Check Clear
Fuel Tank Vent.....Check Clear
Stall Warning.....Inspect
Wingtip.....Inspect
Aileron.....Check/Free Movement
Flaps.....Check Secure
Main Gear.....Check/Inflated
Brake.....Check Pad/Line/Rotor
Fuel Tank.....Drain/Check Sump
Fuel Cap.....Check/Secure
Wheel Chocks.....Remove

CHI Aerospace C172 Normal Checklist

PRE-START

Passenger Brief.....S.A.F.E.T.Y
Pre-Flight Inspection.....Complete
Tiedown/Chocks/Towbar.....Out
Baggage Door.....Secure
Seats.....Adjust/Locked
Safety Belts.....Fastened/Secure
Fuel Selector.....Both
Avionics Master.....Off
Brakes.....Test and Hold
Circuit Breakers.....Check
Loose Items.....Stowed

ENGINE START

Mixture.....Rich
Carb Heat.....Cold
Primer (2-6, 0 if warm).....In/Locked
Master (Batt + Alt)On
Beacon.....On
Throttle.....Open 1/8 inch
Prop Area....."Clear Prop"
Ignition Switch.....Start
Throttle.....1000 RPM
Oil Pressure.....Check Rising
Starter.....Verify Disengaged
Mixture... Lean Aggressively

AFTER START

Avionics Master.....On
Nav Lights.....On
Headset.....On
COMMS.....As Req.

KPSM ATIS: 132.05 // KPSM Ground: 120.95

Altimeters.....Set x 2
Transponder.....Set
Flight Instruments.....Set
Flaps.....Up
Flight Plan.....Load (As Req.)

CHI Aerospace C172 Normal Checklist

TAXI

Airport Diagram.....Review
Taxi Light.....On
Taxi Area.....Clear
Brakes.....Test

KPSM Ground: 120.95

Taxi Clearance.....Obtain
During Taxi.....Check Instruments/XWind Cor

ENGINE RUNUP

Brakes.....Hold
Seat/Safety Belts.....Check Secure
Doors/Windows.....Closed/Locked
Flight Controls.....Free & Correct
Elevator Trim.....Takeoff
Flight Instruments.....Set

KPSM Tower: 128.4 // BOS Appr: 125.05

Radios.....Set
Fuel Selector.....Both
Run Up Area.....Clear
Mixture.....Rich
Throttle.....1700 RPM
Magnetos.....Check (125 Max/50 Diff)
Carb Heat.....Check RPM Drop
Ammeter.....Check (Lnd Lgt & Flaps)
Engine Instruments.....In Limits
Throttle.....Check Idle
Throttle.....1000 RPM
Throttle Friction.....Adjust
Primer.....Locked

Pre-Takeoff Brief

Engine Fail/Abnormal on takeoff roll:

Throttle Idle / Stop ahead

Ref Eng Fail - Reject checklist

Engine Fail: Liftoff w/Runway

Remaining:

Airspeed.. 65 (Flaps up), 60 (Flaps

10-Full)

Throttle Idle

Land with max braking

Airborne - Insufficient Runway

Airspeed.. 65 (Flaps up), 60 (Flaps

10-Full)

Landing Area - Select

Mixture - Idle Cut Off

Fuel Shutoff Valve - Closed

Ignition Switch - Off

Flaps - As Required

Master - Off

Land - Min Airspeed

180 Min Alt / Turn Direction

CHI Aerospace C172 Normal Checklist

BEFORE TAKEOFF

Pre-Takeoff Brief.....On
Carb Heat.....Cold
Mixture.....Rich
Elevator Trim.....Takeoff
Flaps.....As Req.
Doors/Windows.....Closed + Locked
Transponder.....Set
Strobes.....On (Taking the active)
Landing Light.....On (Cleared for takeoff)

ENROUTE CLIMB (>1000' AGL)

Airspeed.....80-85 KIAS
Throttle.....Full Open
Mixture.....Full Rich (Lean > 3000')

CRUISE

Power.....2000-2700 RPM
Mixture.....Lean Above 3,000'
Fuel Selector.....Left/Right As Req.
Lights.....As Req.

IN RANGE/DESCENT

KPSM ATIS: 132.05

ATIS.....Obtain
Fuel Selector.....Both
Mixture.....Rich
Carb Heat.....On if < 2100 RPM
Descent.....1500 RPM
Approach.....Review/Brief/Load
Min Alt.....Confirm
Engine Instruments.....Monitor

APPROACH

Approach.....Briefed/Activated As Req.
Altimeters.....Set x 2
Fuel Selector.....Both
Taxi Light.....On
Flt/Nav Instruments.....Set
Engine Instruments.....Monitor
Go-Around Procedure.....Review

CHI Aerospace C172 Normal Checklist

BEFORE LANDING

Seat/Harness.....Check/Locked
Engine Instruments.....In Limits
Fuel Selector.....Both
Mixture.....Rich
Carb Heat.....On if < 2100 RPM
Landing Light.....On

BALKED LANDING/GO AROUND

Throttle.....Full
Attitude.....Climb
Carb Heat.....Cold
Flaps.....20°
Airspeed.....55 KIAS
Flaps.....10° Until Clr of Obs
Flaps.....Retract > 60 KIAS

AFTER LANDING

KPSM ATIS: 120.95

Trim.....Set to Takeoff
Carb Heat.....Cold
Flaps.....Up
Strobes.....Off
Landing Light.....Off
Transponder.....1200/VFR

SHUTDOWN/SECURING

Throttle.....1000 RPM
Parking Brake.....As Req.
Avionics Master.....Off
Taxi & Nav Lights.....Off
Mixture.....Idle Cut Off
Ignition.....Off
Master Switch.....Off
Key.....Remove
Elevator Trim.....Set Takeoff
Fuel Selector.....Left or Right
Hobbs/Tach.....Record
Aircraft.....Chock and Gust Lock
Pitot Cover.....Install