

## CHI Aerospace C150 Pre-flight Checklist

### CABIN

Control Locks.....Remove  
Pitot Cover.....Remove  
Wheel Chocks.....Remove  
Documents (AROW).....Check  
Hobbs & Tach.....Record  
Ignition.....Off  
Electrical Equipment.....Off  
Fuel Valve.....Open  
Master.....On  
Flaps.....Extend Fully  
External Lights.....Check, Then Off  
Pitot Heat.....Check, Then Off  
Fuel Gauges.....Check  
Master.....Off  
Baggage.....Secure  
FOD.....Remove  
Fuel Tank QTY.....Dip/Check

### LEFT WING

Overhead Cabin Vent Inlets.....Clear  
Wing Strut.....Inspect  
Leading Edge.....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 Pad/Line/Rotor/Tire  
Fuel Tank.....Drain/Check Sump  
Fuel Cap.....Check/Secure

### EMPENNAGE

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 Pad/Line/Rotor/Tire  
Fuel Tank Sump.....Drain/Check  
Fuel Cap.....Check/Secure  
Overhead Cabin Vent Inlets.....Clear

### NOSE

Engine Oil.....Check (4-5 Qts)  
Fuel Strainer.....Pull (3-5 Sec)  
Exhausts.....Check  
Nose Strut.....Check  
Nose Wheel.....Check/Inflated  
Engine Air Intake & Filter.....Check Clear  
Propellor/Spinner.....Check  
Static Port.....Check Clear  
Cowling.....Check

### PRE-START

Passenger Brief.....S.A.F.E.T.Y  
Pre-Flight Inspection.....Complete  
Tiedown/Chocks/Towbar.....Out  
Seats.....Adjust/Locked  
Safety Belts.....Fastened/Secure  
Fuel Valve.....Open  
Electrical Equipment.....Off

#### To Prevent Avionics Damage

Brakes.....Test and Hold  
Circuit Breakers.....Check  
Loose Items.....Stowed

# CHI Aerospace C150 Checklist

## ENGINE START

Mixture.....Rich  
Carb Heat.....Cold  
Primer (2-5, 0 if warm).....In/Locked  
Master.....On  
Beacon.....Verify On  
Throttle.....Open 1/4 inch  
Prop Area....."Clear Prop"  
Ignition Switch.....Start  
Throttle.....1000 RPM  
Oil Pressure.....Check Rising  
Starter.....Verify Disengaged  
Mixture.....Lean Aggressively

## AFTER START

Nav Lights.....On  
TailX Switch.....On  
Radios.....On  
Headset.....On

**KPSM ATIS: 132.05 // KPSM Ground: 120.95**

Altimeters.....Set x 2  
Transponder.....Set/Verify  
Flight Instruments.....Set  
Flaps.....Up

## 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 Valve.....Open  
Run Up Area.....Clear  
Mixture.....Rich  
Throttle.....1700 RPM  
Magnetos.....Check (125 Max/75 Diff)  
Carb Heat.....Check RPM Drop  
Ammeter.....Check (Lnd Lgt & Flaps)  
Engine Instruments.....In Limits  
Throttle.....Check Min Idle, then 1000  
Throttle Friction.....Adjust

### Pre-Takeoff Brief

<b>Engine Fail/Abnormal on takeoff roll:</b>	<b>Airborne - Insufficient Runway</b>
Throttle Idle / Stop ahead	Airspeed.. 65
	Landing Area - Select
<b>Engine Fail: Liftoff w/Runway</b>	Mixture - Idle Cut Off
<b>Remaining:</b>	Fuel Shutoff Valve - Closed
Airspeed.. 65	Ignition Switch - Off
Throttle Idle	Flaps - As Required
Land with braking as required	Master - Off
	Land - Min Airspeed
	180 Min Alt / Turn Direction

## BEFORE TAKEOFF

Pre-Takeoff Brief.....Complete  
Carb Heat.....Cold  
Mixture.....Rich  
Elevator Trim.....Takeoff  
Flaps.....Up  
Doors/Windows.....Closed + Locked  
Transponder.....Set  
Beacons.....Verify On  
Landing Light.....On (Cleared for takeoff)

#### Normal Takeoff:

Flaps - Up  
Elevator Control - Lift Nose Wheel at 50 MPH  
Climb Speed - 73 MPH

#### Maximum Performance Takeoff:

Flaps - Up  
Brakes - Hold  
Throttle - Full Open  
Brakes - Release  
Elevator Control - Slightly Tail Low  
Climb Speed - 64 MPH (with obstacles ahead)

## CHI Aerospace C150 Checklist

### ENROUTE CLIMB (>1000' AGL)

Airspeed.....75-80 MPH  
Throttle.....Full Open  
Mixture.....Full Rich (Unless Rough)

### CRUISE

Power.....2000-2750 RPM  
Mixture.....Lean Above 3,000'  
Lights.....As Req.

### IN RANGE/DESCENT

**KPSM ATIS: 132.05**

ATIS.....Obtain  
Altimeters.....Set x 2  
Fuel Valve.....Open  
Mixture.....Rich  
Carb Heat.....On if < 2100 RPM  
Descent.....1500 RPM  
Engine Instruments.....Monitor  
Flt/Nav Instruments.....Set  
Go-Around Procedure.....Review

### BEFORE LANDING

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

### BALKED LANDING/GO AROUND

Throttle.....Full  
Carb Heat.....Cold  
Flaps.....Reduce to 20°  
Flaps.....Retract > 60 MPH  
Climb.....64 MPH (with obstacles ahead)  
Climb.....73 MPH (clear of obstacles)

### AFTER LANDING

**KPSM ATIS: 120.95**

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

### SHUTDOWN/SECURING

Throttle.....1000 RPM  
Radios/Nav.....Off  
Taxi & Nav Lights.....Off  
TailX Switch.....Off  
Mixture.....Idle Cut Off  
Ignition.....Off  
Master Switch.....Off  
Electrical Equipment.....Verify Off  
Key.....Remove  
Elevator Trim.....Set Takeoff  
Fuel Valve.....Off  
Hobbs/Tach.....Record  
Aircraft.....Chock/Control Lock  
Pitot Cover.....Install