

# C-172 Checklist

Pre-Flight Inspection Complete

## PRE-START

Baggage.....Secure  
Pass. Briefing .....Belts, doors, emerg  
equipment, no smoking  
Controls, Trim ..... check  
Lights and Breakers ..... check  
Avionics Master ..... **OFF**  
Fuel Selector ..... On both  
Mixture ..... Full rich  
Carb Heat..... Cold  
Master ..... On  
Brakes ..... On  
Throttle set.....Prime as necessary  
Prop .....Check clear around a/c  
Start ..... **1000 rpm**

## POST-START

Oil pressure..... **Rising**  
Mixture ..... Lean for taxi  
Flaps ..... Up  
Avionics Master ..... On  
ATIS..... **128.40**  
Call Ground ..... **121.90**  
Taxi light on..... Check  
Brakes ..... Check  
Instrument ..... Rolling check



## PRE-FLIGHT CHECKS

Flight Instruments ..... Check and set  
Engine Instruments ..... Check  
Fuel Quantity..... Check  
Fuel Selector..... On both  
Lights and Breakers..... Check  
Alternator..... Test  
Controls and trim..... Check  
Flaps..... Set for take off  
Departure Procedure  
Engine Failure Briefing  
Belts and Doors..... Secure  
Nav aids..... Tune, identify, test

## ENGINE RUN-UP

Oil temp and pressure ..... Green  
Mixture..... Full rich  
**1700 rpm**  
Oil temp and pressure.....Green  
Mag Test.....125/50  
Suction.....Green  
Carb Heat.....1700 and idle  
Mixture..... Lean for taxi  
Call for taxi clearance..... **121.90**

## PRE TAKE-OFF CHECKS

Belts, doors, windows..... secured  
Traffic.....Check  
Call for clearance.....**118.30**  
Clearance..... Received  
**Mixture..... FULL RICH**  
Carb Heat..... Hot  
Transponder..... to Alt (Mode C)  
Taxi light OFF ..... Check  
Landing light ON .....Check  
H.I. ....Set to runway heading  
Go No Go

**PRE-FLIGHT CHECKS**

Full Power ..... 2300 to 2420 rpm  
  
Carb heat..... Cold  
Engine Gauges..... Green  
Airspeed alive  
Positive rate of climb  
Airspeed above 70 ..... Flaps up  
Airspeed 80 ..... Climb speed

**CRUISE**

Power ..... Set to 2500 rpm  
Mixture ..... Lean as required  
TAS, ETA and fuel ..... Check

**CRUISE DESCENT**

Mixture rich  
Power reduce for desired rate  
Airspeed 110

**DESCENT**

Mixture rich  
Carb heat on  
Power to 1500 rpm  
Airspeed 80

**PRE-LANDING CHECK**

**(Downwind)**

Mixture full rich  
Carb heat hot  
Power reduce to 1500 rpm  
Below Vfe set Flaps to 10°  
Airspeed 80  
Fuel Selector on both  
Passenger Safety Briefing  
Landing light on as required

**BASE (or final)**

Flaps 20  
  
Airspeed 70  
Check mixture full rich  
**Short Final**  
Flaps 30  
Airspeed 65

**AFTER LANDING**

Mixture lean for taxi  
Ground ..... **..121.90**  
Transponder..... Standby  
Carb heat ..... Cold  
Flaps ..... Up  
Landing Light..... Off

**SHUT DOWN**

Radios..... check **121.50**  
Avionics Master..... **OFF**  
1000 rpm ..... **Mixture I.C.O.**  
Nav and Interior lights..... **OFF**  
Mags and Master..... **OFF**  
Control Lock ..... **ON**

**OVERSHOOT**

Mixture full rich  
Power full  
Carb heat off  
Flaps to 20, airspeed 65  
Flaps to 10, airspeed 70  
Flaps up, airspeed 80