

C-172 RG

Pre-Flight Inspection Complete

PRE-START

Baggage.....secure
Passenger Briefing..belts, doors
Emergency equip. No smoking
Controls & Trim.....check
Lights and breakers.....check
Avionics Master.....**OFF**
Gear Selector.....**DOWN**
Cowl Flaps.....open
Fuel Selector.....on both
Mixture.....full rich
Carb heatcold
Master.....on
Brakeson
Throttle set, Prime as necessary
Prop.....check clear around a/c
Start..... **1000rpm**

POST-START

Oil Pressure.....rising
Flaps.....confirm/up
Avionics Master.....on
ATIS.....**128.40**
Call Ground**121.90**
Brakes Check
Instrumentsrolling check

PRE-FLIGHT CHECKS

Flight Instruments.....set
Engine Instruments.....check
Fuel quantity, Selector on both
Breakers check, Alternator test
Gear.....horn/light test
Emergency Fuel Pump.....test
Controls and trim.....check

Flaps.....set
Departure Briefing
Engine Failure Briefing
Belts & Doors.....secure
Nav Aids..... tune, I.D., test

RUN UP

Temps and Pressures in the green
Mixture Full Rich.....1800 RPM
Temps and Pressures in the green
Mags.....150/50
Suction.....in the green
Prop.....cycle
Carb Heat.....1800 and Idle
Taxi Clearance.....**121.90**

PRE-TAKE OFF CHECK

Belts, doors, windows secured
Traffic.....check
Tower.....**118.30**.....clearance
Cowl Flaps.....open
Mixture.....full rich
Prop.....full fine
Carb Heat.....hot
Transponder.....Alt (Mode C)
H.I.set to runway heading

TAKE – OFF

Full Power2700 RPM
Carb Heat.....cold
Engine Gauges.....green
Airspeed alive
Runway gone, gear up
Airspeed above 70, flaps up
500 feet, climb power 25/25
Airspeed 90

MAXIMUM CLIMB

Airspeed....Vy(77 to 84 Kts)
Obstacle.....63 KTS
Power...full and 2700 RPM
Carb heatcold

NORMAL CLIMB

Airspeed.....90Kts
Power...25 Inches/2500 rpm
Fuel Selector.....both
Mixture.....full rich
Cowl Flaps.....open

CRUISE

Power23"/ 2400rpm
Mixturelean as required
Cowl Flaps.....as req'd
TAS, ETA and fuel....check

CRUISE DESCENT

Mixture rich
Power reduce 500 fpm
Airspeed 120

DESCENT

Mixture rich
Carb heat on
Power reduce.....500 fpm
Airspeed 80

PRE-LANDING CHECK

(Downwind)
Mixture full rich
Carb Heat hot
Power reduce
Speed below Vlo, gear down
Green light on, gear out
Speed below Vfe, flaps 10
Airspeed 90
Fuel Selector on both
Passenger Safety Briefing

BASE (or final)

Flaps 20
Airspeed 80
Mixture – full rich
Prop – full fine

SHORT FINAL

Gear down
Carb heat hot
Throttle set
Prop full fine
Mixture full rich
Flaps set
Fuel valve on both
Airspeed 70

AFTER LDG CHK

Taxi Clearance..**Ground 121.90**
Transponder.....standby
Carb Heat.....cold
Flaps.....confirm/up
Cowl Flaps.....open
Landing Light.....off

SHUT-DOWN

Radio.....**121.50**.....check
Avionics Master.....**OFF**
1000 RPM.....**Mixture I.C.O.**
Nav & Interior Lights.....**OFF**
Mags and Master.....**OFF**
Control Lock.....**ON**

OVERSHOOT

Mixture full rich, Prop full fine
Throttle full, Carb heat off
Gear up
Flaps to 20 airspeed 70
Flaps to 10 airspeed 80
Flaps up airspeed 90
Cowl flaps checked