

FOR USE WITH

N19688

PREFLIGHT C – 172L

1. Aircraft Documents -CK.
2. Weather - Suitable.
3. Baggage - Weighed, stowed, secured.
4. Weight and C.G. - CK.
5. Navigation - Planned.
6. Charts and Nav aids -CK.
7. Performance Determined
8. VOR Log (IFR) - CK.

INTERIOR

1. Hobbs / Tach time - CK.
2. P.O.H. - On board.
3. Control Lock - Remove.
4. Avionics - Off.
5. Electrical Switches - Off.
6. Primer - Locked
7. Carb Heat - Cold.
8. Mixture - I.C.O.
9. Master Switch -On/Call.
10. Fuel Quantity - CK.
11. Lights (Night) - CK.
12. Flaps - Down / CK.
13. Master Switch - Off.
14. Flight Controls - CK.
15. Fuel Selector - Both.
16. Trim - Neutral.
17. Windows - CK Clean.

EXTERIOR

AS PER MANUAL

BEFORE START

1. Preflight - Complete.
2. Passenger Briefing - Complete.
3. Cabin Doors - Closed .
4. Seats - Adjusted / Locked.
5. Belts / Harnesses- Secure
6. Circuit Breakers - CK In.
7. All Switches - Off.
8. Brakes - Set and Test.

START

1. Mixture - Rich.
2. Throttle - Open 1/4”.
3. Master Switch - On / Call.
4. Flaps - UP.
5. Beacon - On.
6. Nav. Lights - As Req.
7. Prop Area - Clear / Call.
8. Starter - Engage.
9. Throttle - 700 RPM.
10. Oil Pressure - CK.
11. Mixture - Lean for Taxi.

PRE - TAXI

1. Radios - On / Set.
2. Transponder – Sby/1200
3. Radio Calls - As Req.
4. Taxi Area - Clear.
5. Throttle - Apply Smoothly.
6. Brakes - CK.

TAXI

Controls - Position for wind Instruments - Ck on taxi

RUN - UP

1. Brakes - Set.
2. Fuel Selector - Both.
3. Mixture - Rich.
4. Throttle - 1700 RPM.
5. Magnetos
Max Drop - 125
Max Diff - 50
6. Carb Heat - CK.
7. Engine Instruments - CK.
8. Suction Gauge - CK.
9. Ammeter - CK.
10. Engine Idle - CK
11. Throttle - 700 RPM.
12. Mixture – Lean for taxi
12. Mixture – Lean for taxi

BEFORE TAKEOFF

1. Flight Instruments - Set.
2. Radios / Avionics - Set.
3. Engine Gauges - CK.
4. Mixture – Set for Takeoff
5. Carb Heat - Off.
6. Belts / Harnesses - CK.
7. Flaps - As Req.
8. Trim - Set for takeoff.
9. Controls - CK.
10. Doors / Windows – Latch.
11. Brakes - Recheck.

CROSSING HOLD LINE

Strobes - On
Transponder – Altitude
Mixture – Set for Takeoff

TAKEOFF

Normal Vr - 60 MPH
Short / Soft - Per Manual

CLIMB

Vx - 68 MPH
Vy - 80 MPH
Cruise Climb - 85 MPH.

CRUISE

1. Power - Per Manual.
2. Trim - Adjust.
3. Mixture - Set.
4. Landing Light - Off.
5. Engine Instruments - CK.
6. Flight Instruments - Set.

PRE - DESCENT

1. Fuel Selector - Both.
2. Power - As Req.
3. Mixture - Enrichen.
4. Carb Heat - As Req.
5. Flight Instruments - Set.
6. Engine Gauges - Monitor.

45 ENTRY / DOWNWIND CK

Fuel Selector - Both.
Mixture - Full Rich.
Throttle - As Req(100MPH).
Landing Lts / Strobes-As Req.
Ignition - Both
Master Switch - On.
Primer - Locked.
Belts / Harnesses - CK.

LANDING

Normal, Short, and Soft field
As per manual.
Normal Final - 70 MPH.

ON FINAL

G. U. M.P.S.

AFTER LANDING

1. Throttle - 700 RPM.
2. Mixture - Lean for Taxi.
3. Carb Heat - Cold.
4. Flaps - Up.
5. Trim - Neutral.
6. Landing / Strobes - As Req.
7. Transponder – Off/1200
8. Unnecessary Avionics - Off.
9. Radio Calls - As Req.

SHUTDOWN / SECURING

1. Avionics / Electrical - Off.
2. Throttle - idle
3. P-lead - CK
4. Mixture - I.C.O.
5. Ignition - Off / Key on dash.
6. Master - Off.
7. All Switches - Off.
8. Windows - Close / Latch.
9. Seatbelts - Stow.
10. Control Lock - Install.
11. Fuel Selector - Left or Right
12. Hobbs / Tach / Name Record
13. Aircraft – Properly Secure.
14. Discrepancies Write Up.

V - SPEEDS	C – 172L
Vso	52 MPH
Vs	59 MPH
Vr	60 MPH
Vx	68 MPH
Vy	80 MPH
Va (2300 #)	122 MPH
Vfe	100 MPH
Vno	140 MPH
Vne	174 MPH
Final Approach	70 MPH
Final (short field)	68 MPH
Best Glide	80 MPH

Property of Vista Air

ENGINE FAILURES

TAKEOFF RUN

1. Throttle - Idle.
2. Brakes - Apply.
3. Wing Flaps - Retract.
4. Mixture - I.C.O..
5. Ignition - Off.
6. Master Switch - Off.

AFTER TAKEOFF

1. Airspeed - 75 MPH.
2. Mixture - I.C.O..
3. Fuel Selector - Off.
4. Ignition Switch - Off.
5. Wing Flaps - As Req.
6. Master Switch - Off.

DURING FLIGHT

1. Airspeed - 75 MPH.
2. Carb Heat - ON.
3. Primer - Locked.
4. Fuel Selector - Both.
5. Mixture - Rich.
6. Ignition Switch - Both.

FORCED LANDINGS

WITHOUT POWER

1. Airspeed
75 MPH (flaps up)
70 MPH (flaps dn)
2. Mixture - I.C.O..
3. Fuel Selector - Off.
4. Ignition Switch - Off.
5. Wing Flaps - As req.
6. Master Switch - Off.
7. Doors - Unlatch.
8. Touchdown - Tail Low.
9. Brakes - Apply Heavily.

WITH POWER

1. Airspeed - 75 MPH.
2. Wing Flaps - 20 Deg.
3. Field - Overfly/Inspect
Retract Flaps at safe altitude and airspeed.
4. Avionics/ Electrical - Off.
5. Wing Flaps - 40 ° (final)
6. Airspeed - 70 MPH.
7. Master Switch - Off.
8. Doors - Unlatch.
9. Touchdown - Tail Low.
10. Ignition Switch - Off.
11. Brakes - Apply Heavily.

DITCHING

1. Radio-Transmit Mayday.
2. Heavy Objects
Secure/Toss
3. Approach - Into high winds.
Parallel to swells in light winds.
4. Wing Flaps - 40 Deg.
5. Power-300'/min 75 MPH
6. Doors - Unlatch.
7. Touchdown -
Level attitude
@ 300'/min.
8. Face - Cushion at Impact.
9. Aircraft - Evacuate.
Flood Cabin if necessary.
10. Life Vests / Rafts

FIRES

DURING START

1. Cranking - Continue.

If Engine Starts

2. Power - 1700 RPM (few min)
3. Engine - Shutdown
Inspect for damage.

If Engine Fails to Start

4. Cranking - Continue.
5. Fire Extinguisher
Obtain.
6. Engine - SECURE.
A. Master - Off.
B. Ignition - Off.
C. Fuel Selector - Off.
7. Fire - Extinguish.
8. Fire Damage - Inspect.

ENGINE FIRE IN FLIGHT

1. Mixture - I.C.O..
2. Fuel Selector - Off.
3. Master Switch - Off.
4. Cabin Heat and Air - Off. (except wing root vents)
5. Airspeed - 100 MPH. (faster if needed)
6. Forced Landing
Execute.

ELECTRICAL FIRE IN FLIGHT

1. Master Switch - Off.
2. All Other Switches - Off. (except ignition switch)
3. All Vents - Closed.
4. Fire Extinguisher
Activate.
5. Cabin - Ventilate.

If fire appears Out.

6. Master Switch - On.
7. Circuit Breakers -
Check for faulty circuit don't reset.
8. Electrical Switches - On one at a time with delay until short circuit is localized.
9. Vents - Open as required.

CABIN FIRE

1. Master Switch - Off.
2. Vents - Close.
3. Fire Extinguisher -
Activate.
4. Cabin - Ventilate.
5. Land Aircraft as soon as possible to inspect for damage.

WING FIRE

1. Nav Lights - Off.
2. Strobes - Off.
3. Pitot Heat - Off.
4. Side slip away from flames.

LANDING WITH A FLAT MAIN TIRE

1. Wing Flaps - As desired.
2. Approach - Normal.
3. Touchdown - Good tire first.

ELECTRICAL MALFUNCTIONS

OVERVOLTAGE LIGHT ON

1. Master Switch - Off (both sides).
2. Master Switch - On.
3. Over Voltage Light - Off.

If over voltage light remains on.

4. Flight - Terminate as soon as practical.

AMMETER SHOWS DISCHARGE

1. Alternator - Off.
2. Electrical Load - Reduce.
3. Flight - Terminate as soon as practical.

SPIN RECOVERY

1. Power - Idle.
2. Ailerons - Neutral.
3. Rudder - Opposite.
4. Elevator - Forward.
5. Recover from dive.

**C-172L CHECKLIST
CONSULT P.O.H. FOR
DETAILED INFORMATION
ABOUT THIS AIRCRAFT
AND ITS PROCEDURES.**