

FOR USE WITH

N828SP

PREFLIGHT C – 172S

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. Mixture - I.C.O.
7. Master Switch -On/Call.
8. Fuel Quantity - CK.
9. Lights (Night) - CK.
10. Flaps - Down / CK.
11. Master Switch - Off.
12. Flight Controls - CK.
13. Fuel Shutoff - In
14. Fuel Selector - Both.
15. Trim - Neutral.
16. 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. Throttle - Full
2. Mixture - Rich
3. Master switch - On/Call
4. Flaps - Up
5. Beacon - on
6. Nav Lights - As Req.
7. Boost Pump-on 3 secs
8. Throttle - in 1/4"
9. Mixture - ICO
10. Starter - Engage
11. Mixture - rich when running
12. Throttle - 700 RPM
13. Oil Pressure - CK
14. Mixture - Lean for taxi

HOT START

1. Throttle in 1/4 "
2. Mixture - ICO
3. Master - on
4. Flaps - up
5. Beacon - on
6. Mixture - rich when running
7. Oil Pressure - CK
8. Mixture - Lean for taxi

PRE - TAXI

1. Radios - On / Set.
2. Transponder - Sby.
3. Flaps - Up.
4. Radio Calls - As Req.
5. Taxi Area - Clear.
6. Throttle - Apply Smoothly
7. 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 - 1800 RPM.
5. Magnetos - Max Drop 150 Max Diff 50
6. Engine Instruments - CK.
7. Suction Gauge - CK.
8. Ammeter - CK.
9. Engine Idle - CK
10. Throttle - 700 RPM
11. Mixture - Lean for taxi

BEFORE TAKEOFF

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

CROSSING HOLD LINE

Strobes - On
Transponder - Altitude
Mixture - Set for Takeoff

TAKEOFF

Normal Vr - 55 KTS
Short / Soft - Per Manual

CLIMB

Vx - 62 KTS
Vy - 74 KTS
Cruise Climb - 85 KTS.

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. Flight Instruments - Set.
5. Engine Gauges - Monitor.

45 ENTRY / DOWNWIND CK

Fuel Selector - Both.
Mixture - Full Rich.
Throttle - As Req (85 KTS).
Landing Lts / Strobes-As Req.
Ignition - Both
Master Switch - On.
Belts / Harnesses - CK.

LANDING

Normal, Short, and Soft field
As per manual.
Normal Final - 65 KTS.

ON FINAL

G. U. M.P.S.

AFTER LANDING

1. Throttle - 700 RPM.
2. Mixture - Lean for Taxi.
3. Flaps - Up.
4. Trim - Neutral.
5. Landing / Strobes - As req.
6. Transponder - Sby / Off.
7. Unnecessary Avionics - Off.
8. 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. Name, Date, Hobbs, Tach times - Record
13. Aircraft - Properly Secure.
14. Discrepancies - Write Up.

V - SPEEDS C – 172S

V _{so}	40 KTS
V _s	48 KTS
V _r	55 KTS
V _x	62 KTS
V _y	74 KTS
V _a (2550)	105 KTS
V _{fe}	85 KTS
V _{no}	129 KTS
V _{ne}	163 KTS
Final Approach	65 KTS
Final (short field)	62 KTS
Best Glide	65 KTS

Property of Vista Air

ENGINE FAILURES

TAKEOFF RUN

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

AFTER TAKEOFF

1. Airspeed - 65 KTS.
2. Mixture - I.C.O..
3. Fuel Shutoff - In.
4. Ignition Switch - Off.
5. Flaps - As Required.
6. Master Switch - Off.

DURING FLIGHT

1. Airspeed - 65 KTS.
2. Fuel Shutoff - In.
4. Fuel Selector - Both.
5. Boost Pump - On
6. Mixture - Rich.
7. Ignition Switch - Both.

FORCED LANDINGS

WITHOUT POWER

1. Airspeed
65 KTS (flaps up)
60 KTS (flaps dn)
2. Mixture - I.C.O..
3. Fuel Shutoff - Off.
4. Ignition Switch - Off.
5. Flaps - As Required.
6. Master Switch - Off.
7. Doors - Unlatch.
8. Touchdown - Tail Low.
9. Brakes - Apply Heavily.

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

2. Throttle - Full
3. Mixture I.C.O.
4. Cranking - Continue.
5. Fire Extinguisher - Obtain.
6. Engine - SECURE.
 - A. Master - Off.
 - B. Ignition - Off.
 - C. Fuel Shutoff - Pull.
7. Fire - Extinguish.
8. Fire Damage - Inspect.

ENGINE FIRE IN FLIGHT

1. Mixture - I.C.O.
2. Fuel Selector - Pull.
3. Boost Pump - Off
4. Cabin Heat and Air - Off.
(except wing root vents)
5. Airspeed - 100 KTS.
(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

OVER VOLTAGE LIGHT ON

1. Master Switch - Off
 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. Avionics switch - Off
2. Alternator switch - Cycle.
3. Electrical Load- Reduce.
4. 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-172S CHECKLIST
CONSULT P.O.H. FOR DETAILED INFORMATION ABOUT THIS AIRCRAFT AND ITS PROCEDURES.