

FOR USE WITH

N94MN

PREFLIGHT C – 182

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. Cowl Flaps - Open
10. Master Switch -On/Call.
11. Fuel Quantity - CK.
12. Lights (Night) - CK.
13. Flaps - Down / CK.
14. Master Switch - Off.
15. Flight Controls - CK.
16. Fuel Selector - Both.
17. Trim - Neutral.
18. 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. Cowl Flaps - Open
7. Circuit Breakers - CK In.
8. All Switches - Off.
9. Brakes - Set and Test.

START

1. Mixture - Rich.
2. Propeller – High RPM
3. Throttle - Open 1/4".
4. Prime – 3 shots if cold, 1-2 shots if hot
4. Master Switch - On / Call.
5. Flaps - UP.
6. Beacon - On.
7. Nav. Lights - As Req.
8. Prop Area - Clear / Call.
9. Starter - Engage.
10. Throttle - 700 RPM.
11. Oil Pressure - CK.
12. 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. Propeller - Cycled
6. Magnetos –
Max Drop 150
Max Diff 50
7. Carb Heat - CK.
8. Engine Instruments - CK.
9. Suction Gauge - CK.
10. Ammeter - CK.
11. Engine Idle- CK
12. Throttle - 700 RPM.
13. 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 - 50 KTS
Short / Soft - Per Manual

CLIMB

Vx - 59 KTS
Vy - 81 KTS
Cruise Climb – 95 KTS.
Cowl Flaps – Open
NOTE: Use cruise climb
whenever possible for engine
cooling

CRUISE

1. Power - Per Manual.
2. Propeller – Adjust per manual
3. Trim - Adjust.
4. Mixture - Set.
5. Cowl Flaps - Closed
6. Landing Light - Off.
7. Engine Instruments - CK.
8. Flight Instruments - Set.

PRE - DESCENT

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

45 ENTRY / DOWNWIND CK

Fuel Selector - Both
Mixture - Full Rich
Throttle - As Req (100 KTS)
Propeller – High RPM
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 - 75 KTS.

ON FINAL

G. U. M.P.S.

AFTER LANDING

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

SHUTDOWN / SECURING

1. Avionics / Electrical - Off.
2. Throttle – idle
3. P-lead - CK
2. 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 times - Record
13. Aircraft - Properly Secure.
14. Discrepancies - Write Up.

V - SPEEDS	C – 182
Vso	40 KTS
Vs	50 KTS
Vr	50 KTS
Vx	59 KTS
Vy	81 KTS
Va (3100 #)	111 KTS
Vfe	95 KTS
Vno	143 KTS
Vne	179 KTS
Final Approach	75 KTS
Final (short field)	70 KTS
Best Glide	76 KTS

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 KTS.
2. Mixture - I.C.O..
3. Fuel Selector - Off.
4. Ignition Switch - Off.
5. Wing Flaps - As Required.
6. Master Switch - Off.

DURING FLIGHT

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

WITH POWER

1. Airspeed - 75 KTS.
2. Wing Flaps - 20 Deg.
3. Field - Overfly/Inspect
Retract Flaps at Safe
altitude and airspeed.
4. Avionics / Electrical -
Off.
5. Wing Flaps - Full.
(final)
6. Airspeed - 70 KTS.
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 – 20-30 Deg.
5. Power - 300'/min @ 60
KTS.
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 -
Inflate.

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. Mixture – I.C.O.
6. Fire Extinguisher -
Obtain.
7. Engine - SECURE.
A. Master - Off.
B. Ignition - Off.
C. Fuel Selector - Off.
8. Fire - Extinguish.
9. 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 overhead vents)
5. Airspeed - 105 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

AMMETER SHOWS EXCESSIVE RATE OF CHARGE

1. Alternator - Off
2. Alternator Circuit
Breaker - Pull.
3. Nonessential Electrical
Equip. - Off
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-182 CHECKLIST
CONSULT P.O.H. FOR
DETAILED INFORMATION
ABOUT THIS AIRCRAFT
AND ITS PROCEDURES.