

Civil Air Patrol

Cessna: CT206H (NAVIII)

CVD: 1 Sep 16 (G1000 & GFC700)

Preflight Cabin

1. AIF...Review all & Inspect for Airworthiness
2. Pitot Tube...Remove Cover/check clear
3. Cowl Inlet Covers.....Remove
4. POH & G1000 Cockpit Reference Guide..... Accessible to Pilot.
5. Documents..... AROW in airplane.
6. Cargo Door Locking Pin...Remove & Stow.
7. Airplane Weight & Balance .. Check.
8. Parking Brake Set.
9. Hobbs & Tach Time Record
10. Fire Extinguisher...Charged/Secure
11. Control Wheel Lock..... Remove.

Warning

When turning on the master switch, using an external power source, or pulling the propeller through by hand, treat the propeller as if the ignition switch were on. Do not stand, nor allow anyone else to stand, within the arc of the propeller, since a loose or broken wire, or a component malfunction, could cause the propeller to rotate.

12. Cowl flaps.....Open
13. MAGNETOS (Ignition) Switch ..Off.
14. Avionics Switch (BUS1 & 2)Off
15. CAP Mission Master SwitchOff
16. Master SwitchOn
17. Primary Flt Display.....Verify On
18. Fuel QTY (L&R)..... Check Quantity
19. LOW FUEL AnnunciatorsOff.
20. OIL PRESS Annunciator On.
21. LOW VOLTS Annunciator On.
22. LOW VACUUM AnnunciatorOn.
23. AVIONICS Switch (BUS 1)On.
24. Forward Avionics Fan.....Listen.
25. AVIONICS Switch (BUS 1)Off.
26. AVIONICS Switch (BUS 2)On.
27. Aft Avionics Fan.....Listen.
28. AVIONICS Switch (BUS 2)Off.
29. PITOT HEAT Switch.... On/Check.
30. Stall Warning System Check.
31. PITOT HEAT Switch.....Off
32. Strobes/Ext.Lights... Check as Req'd.
33. Low Volts Annunciator.....Check.
34. MASTER Switch (ALT & BAT)Off.
35. Trim Controls..... Takeoff Position.

36. Fuel Selector.....Both.
37. ALT STATIC AIR Valve..Off (push full in).
38. Oxygen Sup. Press..Check(as req).
39. Oxygen Masks.....Check (as req.).

Preflight Empennage

1. Rudder Gust LockRemove.
2. Tail Tie-Down Disconnect.
3. Control Surfaces.Check freedom of movement and security.
4. Trim Tabs.....Check (security)
5. Cargo Door..... Check, visually verify Latched & Locked

Note

The cargo doors must be fully closed and latched before operating the electric wing flaps...See POH.

6. Antennas.....Check Secure

Preflight Right Wing trailing edge

1. Flap.....Check (security & condition).
2. Aileron...Check (movement & security).
3. Wingtip & Light.....Check.

Preflight Right Wing

1. Landing/Taxi Lights.....Check (cond. & clean).
2. Wing Tie Down..... Disconnect.
3. Right Fuel Tank Vent.....Check for stoppage
4. Main Wheel Tire & Brake... Check.
5. Right Wing Fuel Sumps (5).....Drain

See Fuel Contamination Warning in the POH.

6. Right Fuel Qty..Manually Determine
7. Fuel Cap Secure, vent unobstructed.

Nose

1. Right Static Source.....Check Clear.
2. Engine Fuel Sumps (3).....Drain.
3. Engine Oil Level 6-11 Quarts.
4. Dipstick/Filler Cap.....Secure.
5. Prop & Spinner Check.
6. Eng. Cooling Inlets/Outlets...Check.
7. Air Filter.....Check.
8. Alternator Belt.....Check.
9. Nose Wheel, Strut & Tire Check.
10. Towbar.....Removed and Stowed.
11. Left Static Source.....Check Clear.
12. Nose Tie-Down Disconnect.

Preflight Left Wing

1. Left Fuel Qty.....Manually Determine.
2. Fuel Cap ... Secure,Vent Unobstructed.

3. Left Wing Fuel Sumps (5).....Drain.
4. Fuel Tank Vent ...Check for Stoppage.
5. Pitot Tube.....Check Clear.
6. Stall Warning Vane.....Check.
7. Wing Tie Down.....Disconnect.
8. Landing/Taxi Light(s) Lens....Check.
9. Left Wingtip and Lights.....Check.

Left Wing Trailing Edge

1. Aileron...Check (movement & security).
2. Flap Check (security & condition).
3. Main Wheel Tire & Brake.....Check.

Before Starting Engine

1. Preflight InspectionComplete.

PASSENGER BRIEF

1. Seat Belts / Shoulder Harness
2. Personal Electronic Devices off
3. Air Vents / Comfort
4. Fire Extinguisher Location / Operation
5. Emergency Procedures & Exits

MISSION BRIEF

1. Mission Objective
2. Destination, WX, Route, Alt, ETE
3. NOTAMS
4. Crew Coordination & CRM
5. Sterile Cockpit Procedures
6. Cockpit Layout
7. Intercom & Radio Usage
8. Seats, Seatbelts, Doors
9. Emergency Action & Equipment
2. Passenger BriefComplete.
3. Sterile Cockpit.....Comply.
4. Seats / Belts / Shoulder Harness
Adjust & lock, check inertia reels. (front & rear).
5. Brakes Test & Set.
6. Circuit Breakers Check In.
7. Electrical Equipment..... Off.
8. Avionics Switch (Bus 1&2)..... Off.
9. Cowl Flaps..... Open.
10. Fuel SelectorRecheck Both.

Caution (See Complete Caution in POH)
The avionics switch (Bus 1 and 2) must be off during engine start ...

Starting Engine (With Battery)

1. Throttle Control..... Open ¼ Inch.
2. Propeller ControlHigh RPM (full in).
3. Mixture Control..... Idle Cut Off (full out).
4. Stby Batt Switch..... Test & Arm
Hold for 10 seconds, verify that green test lamp does not go out, then ARM and verify that PFD comes on).

5. Engine Indicating System.....Check parameters. (verify no red Xs through ENGINE page indicators).
6. Bus E Volts.....24 volts min.
7. M Bus Volts Verify <1.5 volts.
8. Batt S Amps Discharge (neg).
9. Stby Batt Annunciator..... On.
10. Propeller Area Clear.
11. Master Switch (Alt and Bat)..... On.
12. Beacon Light Switch...On as required.

Note

If engine has been shut down less than 10 minutes, omit priming procedure of steps 13, 14, and 15 below.

13. Fuel Pump Switch On.
14. Mixture Control.. Advance to Full Rich, wait until fuel flow indication is stable, and then return to idle cut off position.
15. Fuel Pump Switch Off.
16. Magnetos Switch Start.
17. Mixture Control..... Advance to full rich when engine starts.

Note

If the engine floods, place the mixture control in the Idle Cut Off position, open the throttle control ½ to full, and engage the starter motor (Start). When the engine starts, advance the mixture control to the Full Rich position and retard the throttle control promptly.

18. Oil PressureCheck.
19. Mixture.....'Ground Lean'.
 - Throttle 1200 RPM
 - Mixture Lean to Max RPM.
 - Throttle 1,000 RPM
20. Amps (M Batt & Batt S)Check.
charge (positive).
21. Low Volts Annunciator....Verify Off.
22. Nav Lights Switch.....On as req.
23. Avionics Switch (Bus1&2) On.
24. CAP Mission Master Switch.....On.
25. Check MFD for correct A/C type and Navigation database expiration dates, then press ENT.
26. TAS.....Standby
27. TAWS.....Enabled
28. Flight Plan.....Enter
29. ATIS / AWOSCopy
30. Altimeters: PFD & Standby.....Set.
31. Electric/Manual TrimCheck
32. GPS #2 statusCheck
33. Heat / Vents / Defrost. As Required

Taxi

1. Brakes Test
2. Attitude Indicator....Verify Proper Ops.
3. Turn Coordinator....Verify Proper Ops.
4. HSI & Compass.....Verify Proper Ops.

Before Takeoff - Run-Up

1. Parking Brake Set.
2. Passenger Seat Backs. Upright pos.
3. Seats and Seat Belts..... Secure.
4. Cabin DoorsClosed and Locked.
5. Cargo Doors..... Check (Locking Pin Removed & Stowed).
6. Flight Controls Free & Correct.
7. Flight Instruments Check no red Xs.
8. Altimeters Recheck:
 - PFD (Baro) Set.
 - Standby Altimeter Set.
9. G1000 Altitude Select Set.
10. Standby Flight Instruments. Check.
11. Fuel Quantity.....**RESET** & Check.
Note
Flight is not recommended when both fuel quantity indicators are in the yellow arc range.
12. Mixture.....Rich enough for runup.
13. Fuel Selector Valve.....Set BOTH.
14. Autopilot.....ENGAGE, verify can overpower in pitch and roll.
15. Autopilot.....DISCONNECT, verify aural alert andOff.
16. Flight DirectorOff.
17. Elevator & Rudder Trim Set for T.O.
18. Throttle Control..... 1800 RPM.
 - Magnetos Switch .Check (RPM drop 175 or 50 differential between mags)
 - Prop Control..Cycle from high to low RPM, return to high RPM.
 - VAC Indicator..... Check.
 - Engine Indicators.....Check.
 - Ammeters & Voltmeters..... Check.
19. Annunciators...Check (none shown).
20. Throttle Check Idle.
21. Throttle 1000 RPM or less.
22. Throttle Friction Lock..... Adjust.
23. Mixture.....Lean as Required.
24. Com Frequency(s)..... Set.
25. Nav Frequency(s) Set.
26. FMS/GPS Flight Plan ..As Desired.
27. Transponder Code Set/ALT.
28. CDI Softkey Select NAV source.

**Caution: (See Full Caution in POH)
The G1000 HSI does not provide a warning "Flag". The missing D-Bar is considered to be the warning flag.**

WARNING
(See Full Warning in POH)
Interruption of NAV signal to the autopilot will cause autopilot to revert to ROL mode with NO warning chime or PFD annunciation.

29. Cowl Flaps Open.
30. Cabin Windows..Closed & Locked.
31. Cabin Power 12V SwitchOff.
32. Wing Flaps.....0-20 (10 Preferred).
33. TAS.....Operate.
34. TAWS.....Enabled.
35. Terrain.....Displayed at 30nm.
36. Brakes..... Release.
37. Time.....Record.

Takeoff

1. Wing Flaps.....0-20 (10 Preferred).
2. Strobe Lights.....On
3. Throttle Control.....39 in. Hg.
4. Propeller Control.....2500 RPM.
5. Mixture....Adjust to 34 gph fuel flow.
6. Engine Instruments.....In Green.
7. Rotate (Lift Nosewheel).....55 KIAS.
8. Climb Speed.....75-85 KIAS.
 - Short Field T.O... 20° Flaps / 69 KIAS Until Clear ; retract flaps slowly above 90 KIAS.
 - Soft Field T.O..... 20° Flaps / Ground Effect ASAP.
7. Flaps..... Retract at safe altitude and when clear of obstacles.

Note: Do not reduce power until wing flaps have been retracted.

Normal Climb

1. Airspeed 95-105 KIAS.
2. Throttle30" Hg.
3. Propeller.....2400 rpm
4. Mixture... Lean to 20 gal/hr fuel flow.
5. Fuel Selector Both.
6. Cowl Flaps..... Open as required.
7. Engine Instruments Check.
8. Oxygen Control Lever...On as Req'd
9. 12V PowerOn as Req'd

Cruise

1. Power...15-30 in. at 2000-2400 RPM (no more than 75%).
2. Elevator & Rudder Trim Adjust.
3. Mixture.....Lean
(Verify Engine Lean page T.I.T. never exceeds 1675° F).
4. Cowl Flaps.....Closed as required.
5. Oxygen Supply Pres.....Check.
6. FMS/GPS..... Review & Brief.
7. Auto Pilot.....As desired.

Note

Set the FUEL PUMP Switch to the ON position when changing fuel tanks.

Descent

1. PowerAs Desired.
2. Mixture Enrich as required.
3. Cowl Flaps Closed.
4. Altimeters:
 - PFD (Baro)..... Set.
 - Standby Altimeter..... Set.
5. G1000 Alt Select..... Set.
6. CDI Softkey...Select NAV source.
7. FMS/GPS Review & Brief.
8. Fuel Selector Valve Both.
9. Wing Flaps As desired.

See Caution in Before Takeoff Run-up.

See Warning in Before Takeoff-Run-up.

Before Landing

1. Sterile Cockpit.....Comply.
2. PAX Seats...As far forward as practical.
3. Pilot & PAX Seat Backs... Upright Position.
4. Seats & Seat Belts.....Secured & Locked.
5. Fuel Selector.....Recheck Both.
6. Mixture Control..... Rich.
7. Propeller Control High RPM.
8. Landing/Recog. Lights.....On.
9. Autopilot.....Off.
10. 12V Power Switch.....Off.

Normal Landing

1. Airspeed... 80-90 KIAS (Flaps Up).
2. Wing Flaps.....As Desired.
3. Airspeed...70-80 KIAS (Full Flaps).
4. Elevator & Rudder Trim Adjust.
5. Touchdown Main Wheel First.
6. Landing Roll...Gently Lower Nose.
7. Braking..... Minimum Required.

Balked Landing

1. Throttle Control 39 in. Hg.
2. Propeller Control2500 RPM.
3. Mixture.....34 GPH (fuel flow).
4. Wing Flaps...Retract to 20° IMMEDIATELY if set greater than 20.
5. Climb Speed..... 83 KIAS.
6. Flaps...Retract Slowly (at safe Alt).
7. Cowl Flaps.....Open.

After Landing (Clear of Runway)

1. Mixture.....'Ground Lean'
 - Throttle 1200 RPM
 - Mixture Lean to Max RPM.
 - Throttle 1,000 RPM
2. Wing Flaps Up.
3. Cowl Flaps..... Open.
4. Lights.....As Required.
5. Pitot Heat.....Off.
6. COM FrequencySelect
7. TAS.....Standby

Securing Aircraft

1. Parking Brake..... Set.
2. ELT (121.5)...Confirm Not Activated.
3. Throttle.....1000 rpm.
4. CAP Mission Master.....Off
5. Avionics Switch (Bus 1&2)Off.
6. Mixture Idle Cut-Off.
7. Sterile Cockpit.....Terminate
8. Magneto Switch...Off (Keys on dash).
9. Master Switch (ALT/BAT)..... Off.
10. Hobbs, Tach and Fuel.....Record.
11. Stby Batt Switch Off.
12. Control Wheel Lock..... Install.
13. Cowl Flaps Closed.
14. Fuel Selector Left or Right.
15. OXYGEN Control LeverOFF.
16. Chocks.....Install.
17. Parking Brake Off.
18. Aircraft..... Secured & Locked.
19. Flight Plan & FRO Closed.

This checklist is a guide to coordinate Pilot Operating Handbook and STC data applicable to this particular aircraft only. The applicable Pilot Operating Handbook and STC installations remain the official documentation for this aircraft. The pilot in command is responsible for complying with all items in the Pilot Operating Handbook and applicable STCs.